APPENDIX 6.6A

Fish and Fish Habitat Baseline Report

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Aerial Reconnaissance Field Data

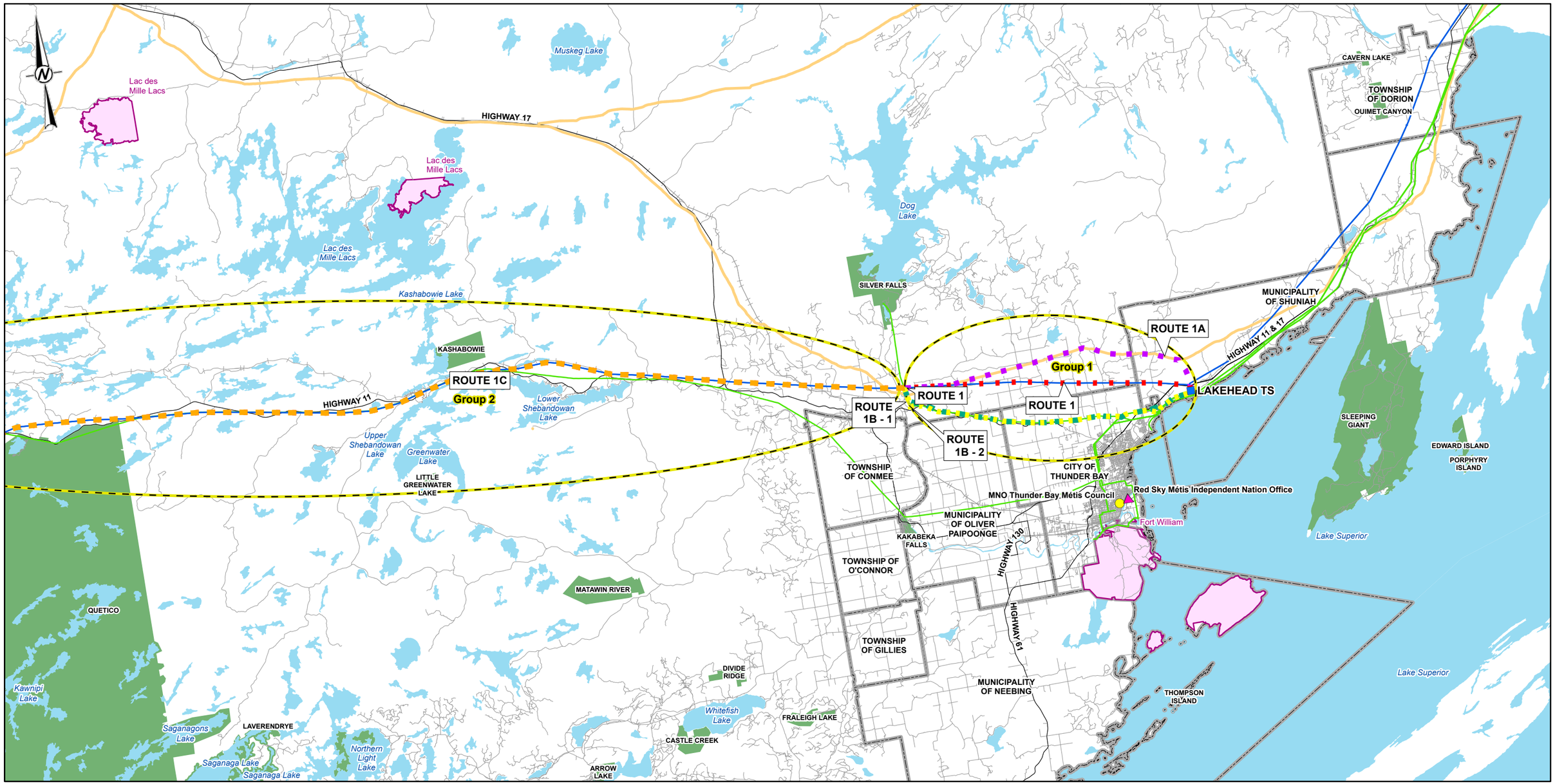
1.0 Introduction

Hydro One Networks Inc. (Hydro One) is proposing to construct a new double-circuit 230 kilovolt (kV) transmission line between Lakehead Transformer Station (TS) in the Municipality of Shuniah and Mackenzie TS in the Town of Atikokan, and a new single-circuit 230 kV transmission line between Mackenzie TS and Dryden TS in the City of Dryden. The purpose of the Project is to ensure an adequate, safe, reliable and affordable supply of power to support future growth in northwestern Ontario. In particular, the Project will maintain reliable electricity supply to areas west of Atikokan and north of Dryden. Figure 1.1-1 illustrates the location of the Project.

1.1 Rationale for Baseline Program

The objective of the aquatics baseline program was to gather necessary data on fish and fish habitat to support the completion of a comprehensive environmental assessment (EA) under the provincial *Environmental Assessment Act* (EAA) 2022. This report describes baseline conditions for fish and fish habitat. The baseline program was designed to:

- Characterize existing conditions in the study area defined for the Project;
- Identify potential environmental constraints associated with the Project; and
- Compile sufficient baseline data to allow an assessment of direct and indirect effects from the Project on the fish and fish habitat.



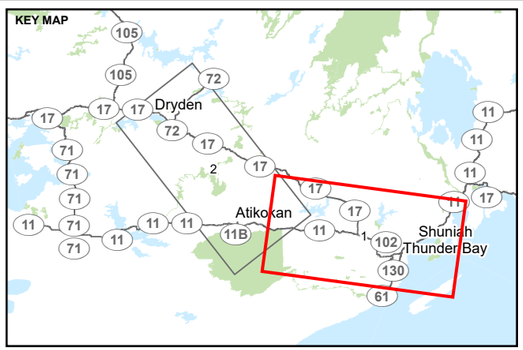
LEGEND

GROUP 1
- ALTERNATIVE ROUTE 1
- ALTERNATIVE ROUTE 1A
- ALTERNATIVE ROUTE 1B - 2
- ALTERNATIVE ROUTE 1B - 1

GROUP 2
- ALTERNATIVE ROUTE 1C

- MNO COUNCIL OFFICE
- RED SKY MÉTIS INDEPENDENT NATION OFFICE
- 230 KV TRANSFORMER STATION (TS)
- HIGHWAY
- LOCAL ROAD
- RAILWAY
- NATURAL GAS PIPELINE
- TRANSMISSION LINE (115 KV)
- TRANSMISSION LINE (230 KV)
- FIRST NATIONS RESERVE
- WATERBODY
- PROVINCIAL PARK
- MUNICIPAL BOUNDARY

KEY MAP



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REFERENCE(S)
1. BASE DATA OBTAINED FROM THE MRNF JUNE 2020
2. ROUTE ALTERNATIVES PROVIDED BY HYDRO ONE, AUGUST 2020
3. PROJECTION: UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

CONSULTANT
wsp

YYYY-MM-DD	2023-05-10
DESIGNED	HK
PREPARED	MM
REVIEWED	HK
APPROVED	CS

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
PROJECT LOCATON AND ALTERNATIVE ROUTES

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	1.1-1-1

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1.2 Project Description Overview

In general, the Project includes the construction, operation and maintenance of a proposed 230 kV transmission line originating in the Municipality of Shuniah and terminating in the City of Dryden in northwestern Ontario (Figure 1.1-1). The Project includes the following main components:

- An overhead alternating current (AC) 230 kV transmission line and associated components that will be located within a typical 46 metre (m) wide transmission line right-of-way (ROW), approximately 360 kilometres (km) in length.
- Modification to existing infrastructure at Lakehead TS, Mackenzie TS, and Dryden TS, and separation of the existing 230 kV transmission lines (circuits F25A and D26A) out of the Mackenzie TS in Atikokan.
- Development of temporary infrastructure associated with construction including, but not limited, to temporary access roads or trails, temporary workspace (including helicopter staging areas), construction camps, laydown areas, and waterbody crossings.
- Development of aggregate pits to support the Project.
- Development of associated permanent infrastructure, such as access roads and water crossings, to support the operation and maintenance phase of the Project.

A preferred route for the Project was identified as discussed in Section 2.0 of the EA. Baseline studies were completed on all alternative routes based on feedback from Indigenous communities and agencies.

1.3 Study Areas

Study areas were developed for the fish and fish habitat and surface water components to define the spatial extent of the baseline and effects assessments for the Project. These study areas are outlined herein and consider the alternative routes listed in Table 1.3-1 and shown on Figure 1.1-1, generally from southeast to northwest (consistent with the alternative routes that were presented in the Amended Terms of Reference (ToR) [Hydro One 2021], albeit renumbered into four groupings).

Table 1.3-1: Alternative Routes and Section

Section	Alternative Routes
Thunder Bay (Lakehead TS to Node 1)	• Alternative Route 1 • Alternative Route 1A • Alternative Route 1B-1 • Alternative Route 1B-2

Section	Alternative Routes
Thunder Bay to Atikokan (Node 1 to Node 3)	• Alternative Route 1 • Alternative Route 1C
Atikokan (Node 3 to Node 5)	• Alternative Route 2A • Alternative Route 2B • Alternative Route 2C
Atikokan to Dryden (Node 5 to Dryden TS)	• Alternative Route 3A • Alternative Route 3B • Alternative Route 3C

A preliminary Project footprint was identified for each alternative route. The components included in the preliminary Project footprint are listed in Table 1.3-2. The Project includes the development of new access roads and the use of existing access roads. Existing access roads include roads that require no improvements and roads that will require improvements such as additional clearing, expansion of the graded area and new or upgraded water crossings (i.e., the crossing of a body of water by the transmission line or access road/tails). The existing access roads that do not require improvements were not evaluated during the aquatics baseline surveys or assessed during the EA for potential surface water effects as the potential for direct effects resulting from expected Project-related activities (i.e., driving on the roads during construction) was considered nil, although indirect effects such as noise, spills, and use of herbicides were considered for these locations when determining potential effects on fish and fish habitat. Potential effects during the operation stage, where road improvements or culvert maintenance may be required were considered as potential for direct effects.

Based on the preliminary Project footprint, preliminary Local Study Areas (LSAs) and preliminary Regional Study Areas (RSAs) were established for the Project. The preliminary LSAs include the boundaries of the preliminary Project footprint and represent the areas where measurable Project-related changes to the environment may be anticipated, while the preliminary RSAs include the boundaries of the preliminary LSAs and represent the areas within which the potential effects of the Project may interact with the effects of other projects (resulting in the potential for cumulative effects). The LSAs and RSAs for the assessment, along with the Project footprint, are further described in Table 1.3-2, noting the following:

- The geographic boundary of the LSAs and RSAs was discipline specific and varied depending on the relevant assessment criteria and indicators;
- The Fish and Fish Habitat LSA comprised a 1 km area outside of the Project footprint (Figure 1.1-1), with the understanding that this 1 km area included the 150 m alternative route corridors from the Amended ToR; and

- The Fish and Fish Habitat RSA was measured at a tertiary watershed scale (i.e., tertiary watersheds that are expected to be overlain by the Project footprint) (Figure 1.3-2), with the understanding that the boundaries for the Fish and Fish Habitat RSA will be:
  - Used to support the overall baseline characterization and effects assessment for the preferred route; and
  - Reviewed by Indigenous communities and agencies prior to the completion of the EA report.

For fish and fish habitat and surface water (Section 6.2), the field surveys were focused on the area within the preliminary Project footprint, as well as the immediate upstream and downstream environment, while the corresponding desktop analyses were extended to the limits of the fish and fish habitat LSA. For simplicity, the terms fish and fish habitat LSA and RSA are used interchangeably with the aquatics LSA and aquatics RSA.

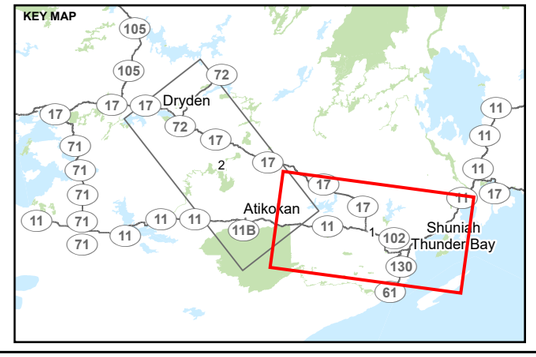
Lac des Mille Lacs
Lac des Mille Lacs
Muskeg Lake
HIGHWAY 17
Lac des Mille Lacs
Dog Lake
SILVER FALLS
CAVERN LAKE
TOWNSHIP OF DORION
OUIMET CANYON
MUNICIPALITY OF SHUNIAH
HIGHWAY 11 & 17
Kashabowie Lake
KASHABOWIE
HIGHWAY 11
Upper Shebandowan Lake
Lower Shebandowan Lake
HIGHWAY 102
DAWSON ROAD
LAKEHEAD TS
SLEEPING GIANT
EDWARD ISLAND
PORPHYRY ISLAND
Greenwater Lake
LITTLE GREENWATER LAKE
TOWNSHIP OF CONMEE
CITY OF THUNDER BAY
MNO Thunder Bay Métis Council
Red Sky Métis Independent Nation Office
MUNICIPALITY OF OLIVER PAIPOONGE
KAKABEKA FALLS
HIGHWAY 130
Lake Superior
TOWNSHIP OF O'CONNOR
Fort William
HIGHWAY 61
MATAWIN RIVER
QUETICO
TOWNSHIP OF GILLIES
DIVIDE RIDGE
MUNICIPALITY OF NEEBING
Lake Superior
Kawnipi Lake
Whitefish Lake
FRALEIGH LAKE
THOMPSON ISLAND
Saganagons Lake
LAVERENDRYE
CASTLE CREEK
Northern Light Lake
Saganaga Lake
Saganaga Lake
ARROW LAKE

N

LEGEND

- ALTERNATIVE ROUTE 1
- ALTERNATIVE ROUTE 1A
- ALTERNATIVE ROUTE 1B - 2
- ALTERNATIVE ROUTE 1B - 1
- ALTERNATIVE ROUTE 1C
- LOCAL STUDY AREA
- REGIONAL STUDY AREA
- MNO COUNCIL OFFICE
- RED SKY MÉTIS INDEPENDENT NATION OFFICE
- 230 KV TRANSFORMER STATION (TS)
- HIGHWAY
- LOCAL ROAD
- RAILWAY
- NATURAL GAS PIPELINE
- TRANSMISSION LINE (115 KV)
- TRANSMISSION LINE (230 KV)
- FIRST NATION RESERVE
- WATERBODY
- PROVINCIAL PARK
- MUNICIPAL BOUNDARY

KEY MAP



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REFERENCE(S)
1. BASE DATA OBTAINED FROM THE MRNF JUNE 2020
2. ROUTE ALTERNATIVES PROVIDED BY HYDRO ONE, AUGUST 2020
3. PROJECTION: UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

CONSULTANT
wsp

YYYY-MM-DD	2023-05-10
DESIGNED	HK
PREPARED	MM
REVIEWED	HK
APPROVED	CS

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS LOCAL STUDY AREA

PROJECT NO.	CONTROL	REV.	FIGURE
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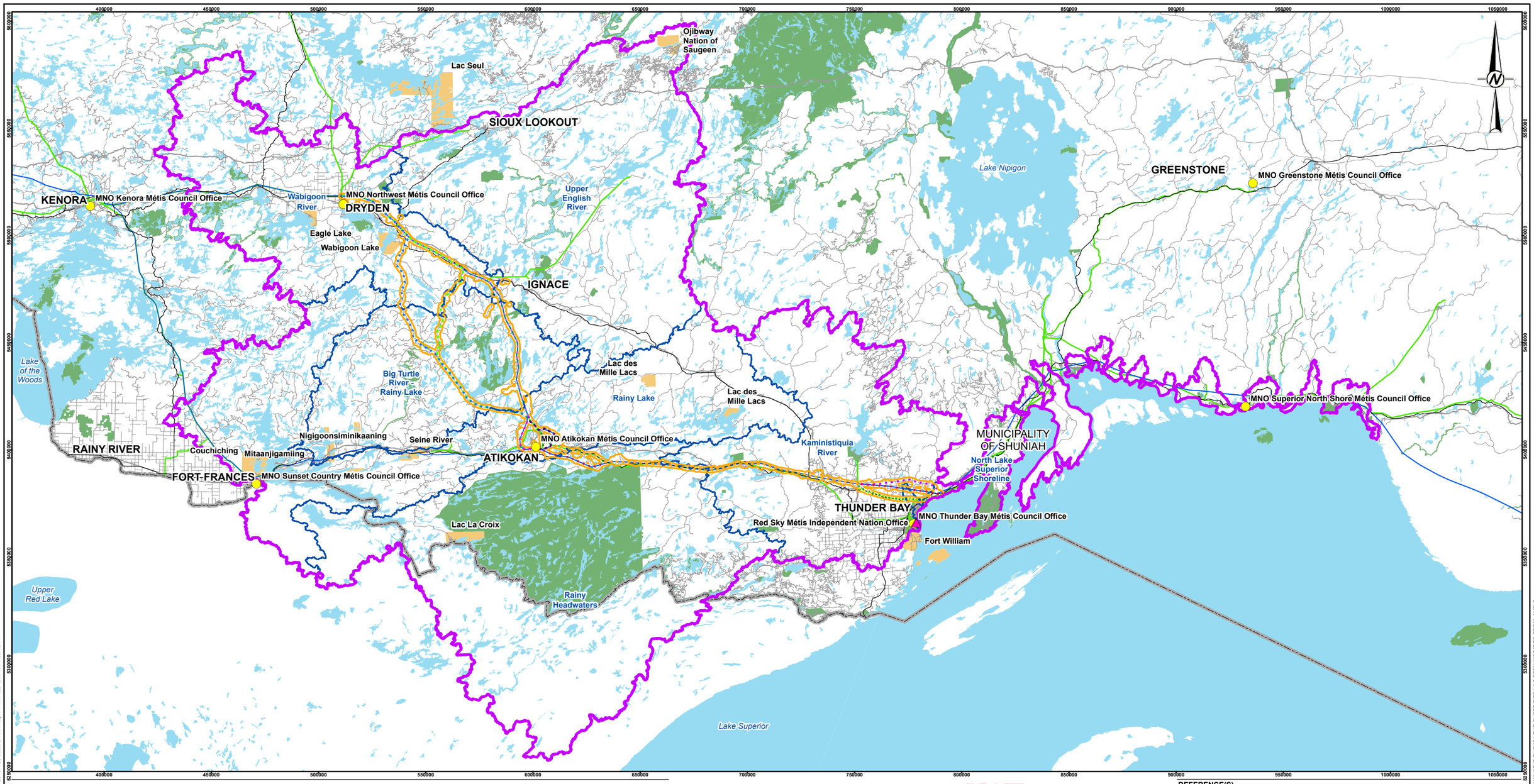

LEGEND

- ALTERNATIVE ROUTE 1
- ALTERNATIVE ROUTE 1A
- ALTERNATIVE ROUTE 1B - 1
- ALTERNATIVE ROUTE 1B - 2
- ALTERNATIVE ROUTE 1C
- ALTERNATIVE ROUTE 2A
- ALTERNATIVE ROUTE 2B
- ALTERNATIVE ROUTE 2C
- ALTERNATIVE ROUTE 3A
- ALTERNATIVE ROUTE 3B
- ALTERNATIVE ROUTE 3C
- MNO COUNCIL OFFICE
- RED SKY MÉTIS INDEPENDENT NATION OFFICE
- TRANSMISSION LINE (115 KV)
- TRANSMISSION LINE (230 KV)
- HIGHWAY
- RAILWAY
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- TERTIARY WATERSHED
- FIRST NATION RESERVE
- INTERNATIONAL BORDER
- WATERBODY
- PROVINCIAL PARK

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REFERENCE(S)

1. BASE DATA OBTAINED FROM THE MNRF JUNE 2020
2. ROUTE ALTERNATIVES PROVIDED BY HYDRO ONE, AUGUST 2020
3. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 15N

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

CONSULTANT
WSP GOLDER

YYYY-MM-DD	2022-12-14
DESIGNED	CS
PREPARED	PS/DB
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APPROVED	

TITLE
REGIONAL STUDY AREA - AQUATIC

PROJECT NO.	CONTROL	REV.	FIGURE
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Table 1.3-2: Fish and Fish Habitat Study Areas

Spatial Boundaries	Area (ha)	Description	Rationale
Project footprint	7,373	The Project footprint includes: • Typical 46 m wide transmission ROW; • Widened ROW for the separation of circuits F25A and D26A for 1 km; • Expansion of the Lakehead TS, Mackenzie TS, and Dryden TS; • Access roads (improved existing roads and new); and • Temporary supportive infrastructure associated with construction including fly yards, construction/stringing pads, laydown areas, construction camps, and helicopter pads; and aggregate pits.	Designed to capture the potential direct effects of the physical footprint of the Project on the aquatic environment
Aquatics LSA	170,156	Includes the Project footprint and extends approximately 1 km from the alternative routes ROW boundary and approximately 500 m from the boundaries of existing and new access roads, storage yards, laydown yards, construction camps, and temporary construction easements, unless intersected by the shoreline of Lake Superior or a nearshore area of Lake Superior (in instances where Lake Superior is crossed by the study area) (Figure 1.3-1).	Selected to capture all Project activities that could potentially influence conditions within the aquatic environment

Spatial Boundaries	Area (ha)	Description	Rationale
Aquatics RSA	7,029,988	Encompasses the seven tertiary watersheds that are intersected by the Project footprint, extending from the watershed headwaters to Lake Superior and Lake Winnipeg (i.e., tertiary watersheds 021B – North Lake Superior Shoreline,02AB – Kaministiquia River, 05PAB – Rainy Headwaters, 05PBB – Rainy Lake, 05PBA – Big Turtle River, 05QA – Upper English River, and 05QD – Wabigoon River) (Figure 1.3-2.	Designed to provide regional context for the assessment of Project-related effects on the aquatic environment

Construction of linear infrastructure, including transmission lines and access roads that either cross or encroach on waterbodies, may have the potential to adversely influence the fish and fish habitat. The structure and function of aquatic ecosystems can be affected by human activity and disturbances through, for example, indirect changes to the abundance and distributions of fish, quantity and quality of fish habitats, or the direct loss of habitat.

A detailed water crossing list was created for the Project to identify potential waterbodies that were expected to be crossed by the preliminary Project footprint for each alternative route. The field surveys for fish and fish habitat were conducted concurrently with surface water field surveys and, as such, the reports should be read in conjunction with one another (see Appendix 6.2-A Surface Water Baseline Report). The field surveys focused on a subset of these waterbodies as described in Section 2.3.1. At each waterbody selected for field surveys, the field team endeavoured to survey 200 m, including 50 m upstream from the crossing and 150 m downstream from the crossing (see Section 2.3.3 and 3.2 for details). Where feasible for temporary workspaces, the Project design incorporated the 30 m setback between the preliminary Project footprint for each alternative route and any adjacent potential waterbodies (i.e., potential waterbodies not crossed by the preliminary Project footprint but located closely adjacent to it). Potential effects to these waterbodies have widely accepted, industry standard mitigation measures that can reduce the risk of Project-related effects. As such, adjacent waterbodies were not surveyed and the mitigation measures proposed in the EA are expected reduce the likelihood of negative effects. Potential waterbodies on the ROW where the 30 m setback could not be applied were surveyed using the same methods as waterbodies that are proposed to be crossed. For access roads, only those crossings that were identified as requiring

improvements were included in the crossing list and waterbodies that were beyond the 10 m buffer for access roads or did not require improvements were not considered further. The field surveys were designed to capture the area where direct and immediate indirect effects from the Project on fish and fish habitat and surface water were anticipated (i.e., within the Project footprint of the alternative routes and the LSA).

1.4 Valued Component, Criteria, and Indicators

The following draft list of criteria and indicators was taken from Appendix D of the Amended Terms of Reference (ToR) and augmented based on feedback from Indigenous communities, government agencies, and interested persons and organizations.

Considering the feedback received, and the background and field data collected to date and presented in this report, the appropriateness and relevance of each criterion was reviewed and a final set have been selected for the use in the net effects assessment of the preferred route in the environmental assessment. Additional details regarding changes to the criteria and indicators since the approved Amended ToR are provided in Section 6.5 of the EA.

The baseline conditions presented herein will provide the data to inform the indicators presented in Table 1.4-1. As such, the table references where the data for each criterion and indicator can be found.

Table 1.4-1: Valued Component, Criteria and Indicators for Fish and Fish Habitat

Valued Component	Criteria	Indicator(s)	Baseline Report Section Reference

Fish and Fish Habitat: Species at Risk	Lake Sturgeon (Great Lakes – Upper St. Lawrence population) (*Acipenser fulvescens)*	• Habitat quantity:
		  ◦ Changes to the amount (m^2) of fish habitat identified in the study area
		• Habitat quality:
		  ◦ Changes (qualitative) to the type and condition of habitat available for various life history stages of fish
		• Survival and reproduction:
		  ◦ Changes (qualitative) to a fish population as a result of altering survival and reproduction
		• Distribution and connectivity:
		  ◦ Changes (qualitative) to habitat availability, including the effects on fish movement and habitat connectivity.
			Section 2.3, 3.3, 3.3.8.1

Valued Component	Criteria	Indicator(s)	Baseline Report Section Reference

Fish and Fish Habitat: Species at Risk	Lake Sturgeon (Nelson River population) (*Acipenser fulvescens)*	• Habitat quantity:
		  ◦ Changes to the amount (m^2) of fish habitat identified in the study area
		• Habitat quality:
		  ◦ Changes (qualitative) to the type and condition of habitat available for various life history stages of fish
		• Survival and reproduction:
		  ◦ Changes (qualitative) to a fish population as a result of altering survival and reproduction
		• Distribution and connectivity:
		  ◦ Changes (qualitative) to habitat availability, including the effects on fish movement and habitat connectivity.
			Section 2.3, 3.3, 3.2.2.7

Fish and Fish Habitat: Species at Risk	American Eel (*Anguilla rostrata*)	• Habitat quantity:
		  ◦ Changes to the amount (m^2) of fish habitat identified in the study area
		• Habitat quality:
		  ◦ Changes (qualitative) to the type and condition of habitat available for various life history stages of fish
		• Survival and reproduction:
		  ◦ Changes (qualitative) to a fish population as a result of altering survival and reproduction
		• Distribution and connectivity:
		  ◦ Changes (qualitative) to habitat availability, including the effects on fish movement and habitat connectivity.
			Section 2.3., 3.3, 3.3.8.2

Fish and Fish Habitat (criteria species)	• Lake Trout *(Salvelinus namaycush)*
	• Brook Trout *(Salvelinus fontinalis)*
	• Northern Pike *(Esox Lucius)*
	• Walleye *(Sander vitreus)*
		• Habitat quantity:
		  ◦ Changes to the amount (m^2) of fish habitat identified in the study area
		• Habitat quality:
		  ◦ Changes (qualitative) to the type and condition of habitat available for various life history stages of fish
		• Survival and reproduction:
		  ◦ Changes (qualitative) to a fish population as a result of altering survival and reproduction
			Section 2.3, 3.3, 3.3.10

Valued Component	Criteria	Indicator(s)	Baseline Report Section Reference
	• Species of Conservation Concern (SOCC)	• Distribution and connectivity: ◦ Changes (qualitative) to habitat availability, including the effects on fish movement and habitat connectivity.	

Note: SOCC include Northern Brook Lamprey (*Ichthyomyzon fossor*), Silver Lamprey - Great Lakes - Upper St. Lawrence populations (*Ichthyomyzon unicuspis pop. 1*), Coaster Brook Trout (*Salvelinus fontinalis*) and Deepwater Sculpin - Great Lakes - Western St. Lawrence Populations (*Myoxocephalus thompsonii* pop. 2).

The draft assessment criteria and indicators will be used to complete the net effects assessment for the preferred route. The results of the baseline conditions assessment (presented herein) will provide the data to inform the identified indicators.

1.4.1 Definitions

For the purposes of this document, waterbodies are defined as areas with defined bed and/or banks, whether or not water is continuously present (Government of Ontario 2009, Stanfield 2017). A waterbody may be permanent, intermittent, or ephemeral (i.e., non-permanent). Types of waterbodies include watercourses (i.e., depression in the ground with flowing water) (e.g., streams, rivers) and lakes and ponds (i.e., body of water with no discernable flow) (Government of Ontario 2009). A water crossing is defined as a geographic location where proposed transmission lines or access roads are expected to cross a waterbody or drainage feature (i.e., a geographic low area that may convey water and has no defined bed or banks).

Fish are defined as the parts of fish, and all life stages (i.e., eggs, sperm, spawn, larvae, spat and juvenile and adult) of fish, crustaceans, shellfish and marine mammals (Canada 1985).

Fish habitat is defined as water frequented by fish and any other areas on which fish depend directly or indirectly to carry out their life processes, including spawning grounds and nursery, rearing, food supply and migration areas (Canada 1985).

For the purposes of this report, aquatic Species at Risk (SAR) are defined as the following:

- Any freshwater fish or mussel species listed under Schedule 1 of the *Species at Risk Act*, S.C. 2002, c. 29 (SARA) as Threatened, Endangered, or Extirpated; and/or
- Any freshwater fish or mussel species listed under the *Endangered Species Act*, 2007, S.O. 2007, c. 6 (ESA) as Threatened, Endangered, or Extirpated.

Any aquatic SAR documented within 1 km of the alternative route that may be present in the waterbodies along the alternative route were included as criteria for the environmental assessment.

For the purposes of this report, aquatic Species of Conservation Concern (SOCC) are defined as:

- Any freshwater fish or mussel species listed under Schedule 1 of SARA as Special Concern;
- Any freshwater fish or mussel species designated Threatened, Endangered, or Extirpated by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) (unless otherwise listed as SAR under SARA or the ESA);
- Any freshwater fish or mussel species listed under the ESA as Special Concern (unless otherwise listed as SAR under SARA);
- Any freshwater fish or mussel species with a subnational rank (SRank) of S1 – S3 or SH as designated by the Natural Heritage Information Centre (NHIC)/NatureServe (2022); and/or
- Any freshwater fish or mussel species that have local significance (e.g., Coaster Brook Trout [*Salvelinus fontinalis*] [Bobrowicz 2014]).

A criteria species is a species that is used as characteristic of a criterion that, if changed as a result of the Project, may demonstrate a physical, biological or socio-economic effect. The species selected as criteria species for the EA were selected due to their abundance within the RSA and LSA as well as their ecological, Indigenous and socio-economical importance and included the following:

- Lake Trout (*Salvelinus namaycush*);
- Brook Trout *(Salvelinus fontinalis*);
- Northern Pike (*Esox lucius*); and
- Walleye (*Sander vitreus*).

Species of importance to Indigenous communities have been assessed as part of the socio-economical assessment and, as such, are included in Sections 7.1, 7.7 and 7.8.

Sensitive habitats were those that contained any of the following identified habitats:

- Habitats of aquatic SAR or SOCC species;
- All Lake Trout and/or Brook Trout habitats; and
- Spawning and/or nursery habitats of other criteria species.

2.0 Methods

The following sections discuss the methods used to support the consultation and engagement for the Project and the baseline data characterization including the background data review, field studies and data analysis.

2.1 Regulatory Agency Consultation

A high-level overview of the planned field studies was included in the Amended ToR and a commitment was included to develop a field work plan for Indigenous community and agency review. A key comment from agencies during the ToR process was that additional field work should be completed on all alternative routes to support the selection of a preferred route. This requirement was not included in the ToR given the significant effort required to survey multiple alternative routes on a 360 km transmission Project, but after approval of the Amended ToR Hydro One decided to complete this additional field work to address comments received from Indigenous communities and agencies, and to support a timely EA review by agencies.

Hydro One prepared the Aquatics Field Work Plan (FWP) for agency review and comment on March 22, 2022. Comments were received by agencies and addressed prior to work starting. The Aquatics FWP was finalized in September 2022 after comments from Indigenous communities were received and addressed as per Section 2.2. A high-level summary of the field results for the 2022 field program was provided to the Government Review Team on November 22, 2022.

2.2 Indigenous Engagement

Indigenous communities also noted during the ToR process that additional field surveys should be completed on all alternative routes. The importance of water to Indigenous communities was recognized and factored into the decision to survey all alternative routes for baseline studies, which was not committed to in the Amended Terms of Reference.

The draft Aquatics FWP was provided to Indigenous communities for review on March 22, 2022. Comments were received by Indigenous communities throughout the field season and addressed before releasing the final Aquatics FWP in September 2022.

Notices were provided to Indigenous communities ahead of planned field activities, which provided details on the proposed field surveys, methods, locations and a request for Indigenous participants in the surveys. Maps were available for download and an on-line mapping platform was made available for Indigenous communities to review proposed field survey locations to identify any concerns. Hydro One also completed open house sessions with Indigenous communities where the field plans and maps were made available.

No concerns from Indigenous communities were received on the proposed aquatics field survey locations. There was one section of Alternative Route 3B that was identified by an Indigenous community as being culturally sensitive and field surveys were avoided in this area. Bi-weekly field summary reports were provided to Indigenous communities to provide regular updates on the field survey progress throughout the field season.

2.2.1 Indigenous Participation

Hydro One believes that the Project benefits greatly with the active engagement of Indigenous communities since they hold Indigenous Knowledge/Traditional Lands and Resource Use (IK/TLRU) information for the area. Indigenous communities identified interested community members to participate in field work as equal members of the field team.

Incorporation of Indigenous participation and other considerations in the field work and baseline studies included the following:

- Indigenous field crew members were included as valued core team members for field surveys;
- Indigenous field crew members were provided with training and technology to assist with data and field collections;
- Mapping of proposed survey locations was provided prior to field work;
- Field study schedules were shared with Indigenous communities and modified based on availability of field monitors;
- Monitors from Wabigoon Lake Ojibway Nation were present for all field work completed within their traditional territory;
- Field crew members completing work within the traditional territory of Wabigoon Lake Ojibway Nation completed Wabigoon Lake Ojibway Nation's cultural awareness training;
- All non-Indigenous field crew members completed WSP internal Indigenous cultural awareness training; and
- Indigenous businesses were used during field work for fuel, food and accommodation

The Project team thanks and acknowledges the support from Indigenous communities to identify participants for the field surveys. In total, there were 17 representatives from Indigenous communities that participated in the field surveys. Participation varied based on the preferences from the Indigenous community and included joining the field crew as monitors to represent the interests and concerns of their community, Indigenous field crew members that participated to gain technical training and build capacity for their community, and Hydro One facilitated site visits to meet with field crews to observe and learn about the field work. Eleven of these community representatives participated in the aquatics field program, and this included two

members of Fort William First Nation, five members of Wabigoon Lake Ojibway Nation, one member of Migisi Sahghaigan (Eagle Lake First Nation), two members of Lac des Mille Lacs First Nation, and one member of Couchiching First Nation.

2.2.2 Indigenous Knowledge

Hydro One is committed to considering Indigenous Knowledge at all stages of the Project. Indigenous Knowledge was shared through a variety of sources, including from Indigenous field crew members, Indigenous Knowledge studies completed by Indigenous communities and/or through engagement with Indigenous communities. Indigenous Knowledge received in relation to fish and fish habitat was highlighted and incorporated in the baseline studies and effects assessments, where it was shared by Indigenous communities for inclusion.

As noted in Section 2.2, the importance of water to Indigenous communities has been expressed repeatedly throughout the Project, including the reference to “water is life” as a key value to many Indigenous communities. The detailed field surveys completed for surface water and fish and fish habitat reflect the significant effort made to accurately characterize the baseline environment and to enable a thorough effects assessment of the preferred route including the identification of mitigation measures to reduce adverse effects.

2.3 Baseline Characterization Data Collection Methods

The fish and fish habitat baseline characterization program involved the development of a water crossing list using all data gathered from the desktop study, including a review of aerial imagery, an aerial reconnaissance in 2020 (Golder 2021) and field surveys completed at a subset of water crossings (i.e., target of 25% of the total number of crossings identified) (Attachment 6.6-A-1, Table 1 and Figure 1 to Figure 39). Where appropriate, the results from the 2020 aerial reconnaissance (Golder 2021) and supplemental 2022 aerial reconnaissance surveys that were completed as part of the alternative routes baseline survey were incorporated into the description of the existing environment.

The water crossing list and desktop study were completed for potential waterbodies that were identified as being crossed by the alternative route footprints as described in Section 1.3.

A conservative approach was taken with regards to determining fish habitat potential. A waterbody was determined to have fish habitat potential if any of the following conditions were met:

- Background data contained fish occurrences or fish habitat (e.g., spawning areas) records for the water crossing or for waterbodies hydrologically connected to the waterbody within 1 km of the water crossing.
- Background data of mapped watercourses or waterbodies from the Ontario Hydro Network (OHN) layer (MNRF 2022c) indicated that defined bed and banks were present.

- On the ground or helicopter field surveys captured fish species or observed waterbodies with defined beds/banks.

2.3.1 Development of the Water Crossing List

The initial task for the fish and fish habitat baseline characterization program involved the development of a water crossing list to identify all the waterbodies that are expected to be crossed by the alternative routes. The water crossing list was initially developed using a preliminary design of each alternative route that was developed by Hydro One's contractor. This preliminary design was progressively refined as new information became available (e.g., additional field reconnaissance to determine the constructability of proposed access roads). The preliminary design of the preferred route was subsequently refined to account for the specific placement of transformer station expansions, temporary laydown areas, temporary construction camps, and new and existing access roads or trails (all of which were associated with the preliminary Project footprint). The water crossing list was developed using Geographic Information Systems (GIS). This involved overlaying the preliminary Project footprint with the Ontario Hydro Network (OHN) datasets for watercourses and waterbodies (MNRF 2022c) to identify "mapped" water crossing locations along the length of the Project route (i.e., MNRF-mapped waterbodies that are expected to be traversed by the Project footprint). The mapped features (MNRF 2022c) were then further assessed based on a review and interpretation of aerial imagery and associated digital elevation model (DEM) information to confirm, to the extent possible, the presence of defined bed or banks (i.e., the criterion for the definition of a waterbody in Ontario [*Impact Assessment Act 2019*; Stanfield 2017; *Lakes and Rivers Improvement Act 1990*]). This same imagery and DEM information was also relied on to identify the presence of unmapped water crossing locations (i.e., surface water features with defined channel conditions that are not included on MNRF mapping but are expected to be crossed by the Project).

Each of the identified water crossings from the crossing list were assigned a unique, site ID that consisted of a common, two-letter code (specifically "WC" that signifies Water Crossing) and a unique number (e.g., WC-1090.00). This unique number corresponded to the numerical sequence and geographic location of the crossing within the Project footprint (i.e., generally ascending from east to west) and the crossings were generally arranged/grouped by segments of the alignment, noting the following:

- Sites ending in "00" represented water crossings on mapped waterbodies (i.e., available on the OHN data layers [MNRF 2022c]); and
- Site IDs ending in "0.1, 0.2, 0.3…." and "0.11, 0.12, 0.13…" represented crossings at unmapped waterbodies that were inferred based on desktop review at the time of the initial assessment (2021), identified during field reconnaissance (2022) or additional desktop review, respectively.

Site IDs ranging from WC-1000 to WC-1999 corresponded to transmission line crossings between Lakehead TS and Mackenzie TS, while site IDs ranging from WC-2000 to WC-2999 corresponded to transmission line crossings between Mackenzie TS and Dryden TS. Access road crossings were assigned WC-3000 to 3999.

The full list of water crossing locations is provided in Attachment 6.6-A-1, Table 1 and presented in Attachment 6.6-A-1, Figure 1 to Figure 39, this includes crossing locations that had been initially inferred to include waterbodies, but were subsequently confirmed to be features that did not satisfy the required criteria (i.e., the surface water features were generally swales, runoff pathways, or low-lying areas of seasonal ponding with no defined bed or banks). These are also provided in Attachment 6.6-A-1, Table 1 and are categorized as “no defined channel” under waterbody type.

2.3.2 Background Data Review

This baseline report incorporates historical and recent information from available literature, existing knowledge, field surveys, and information provided by the MNRF and Ministry of the Environment, Conservation and Parks (MECP), as well as IK/TLRU. A background review was completed to identify existing knowledge pertaining to the biophysical setting in the region related to surface water features, fish and fish habitat, aquatic SAR and SOCC, as well as listed fish species and fish habitat features to support the requirements for the fish and fish habitat baseline.

The background review involved the review and compilation of relevant information from the sources presented in Table 2.3-1.

Table 2.3-1: List of Records Reviewed and Sources

Record Source	Records Reviewed
WSP Golder Aerial (helicopter) Reconnaissance	• Waterbody presence • Approximate waterbody dimensions • Approximate flow conditions and characteristics • Visual permanency • Visual fish habitat availability
MNRF Restricted Datasets requested and/or accessed June 2022	• Cultural heritage values • Fish nursery areas • Fish spawning areas

Record Source	Records Reviewed
Land Information Ontario (LIO) data requested and/or accessed (MNRF 2022a, c)	• Active aggregate pits • Areas of Natural and Scientific Interest (ANSIs) • Aquatic feeding areas • Aquatic Resource Area water line/water polygon segment • Crown Land Use Policy Atlas (CLUPA) • Conservation reserves (CLUPA, GapTool) • Forest Resource Inventory Ecosite and Wetland Layer (LIO) • Waterbodies/Watercourses • Wetlands • Woodlands • National parks • Provincial parks (CLUPA, GapTool) • Recreation and tourism, such as canoe routes, trails, portages, and campsites
Natural Heritage Information Centre data accessed June 2022 (NHIC 2022)	• Aquatic SAR • Fish community occurrences • Provincially tracked species
Species at Risk in Ontario List (SARO List), accessed January 30, 2022	Accessed to determine the status of wildlife, fish or plant species
MNRF Fish ON-Line (MNRF 2022b)	• Fish species and angler reporting • Stocking information
MNR Atlas of Brook Trout Streams and Rivers in Ontario (MNR 2003)	Brook Trout habitat and occurrence records
MNRF Atlas of Walleye Streams and Rivers in Ontario (MNR 2004)	Walleye habitat and occurrence records
MNRF Inland Ontario Lakes designated for Lake Trout Management (MNRF 2015a)	Lake Trout habitats and occurrence records
MNRF Historical Brook Trout Stocking Mapping Application (1905-2016) (MNRF 2018a)	Historical Brook Trout stocking area maps

Record Source	Records Reviewed
Fisheries and Oceans Canada (DFO) Aquatic Species at Risk Mapping (DFO 2022)	Aquatic Species at Risk Mapping
Royal Ontario Museum (ROM) Global Biodiversity Information Facility IPT, Ichthyology Collection (ROM 2016)	Historical fish occurrence records
Royal Ontario Museum (ROM) Freshwater Fishes of Ontario (Field Guide) (Holm et al. 2021)	Field Guide to Freshwater Fishes of Ontario including range maps, information on fisheries life history needs and identification keys.
COSEWIC Assessment Reports (Various 2013 to 2017)	COSEWIC assessment and status report on various SAR
Marten Falls First Nation Draft Baseline Report-Fish and Fish Habitat (Golder 2020)	Fish occurrence and habitat records
Pygmy Whitefish (*Prosopium coulterii*), Great Lakes – Upper St. Lawrence populations (Canada 2021)	Fish occurrence, distribution and life history data
Atlas of the freshwater fishes of Canada with a taxonomic key (Mandrak et al. in prep)	Canadian fish distribution data by watershed
Quetico Fishes (Crossman 1976)	Fish occurrence and life history data
Freshwater Mussels of Ontario (Metcalfe-Smith et al. 2005)	Freshwater mussels distribution, life history data, and identification
Canadian Freshwater Mussel Guide (Toronto Zoo-DFO 2022)	Freshwater mussels distribution and identification
Data provided by MNRF for the draft Waasigan Hydro One Terms of Reference, generated by Dillon (Dillon 2020)	Fish occurrence and habitat data

Record Source	Records Reviewed
MECP Species at Risk Information	Species at Risk documents pertaining to: • Northern Brook Lamprey (*Ichthyomyzon fossor*) (MECP 2014) • Shortjaw Cisco (*Coregonus zenithicus*) (MECP 2019a) • Pugnose Shiner (*Notropis anogenus*) (MECP 2019b) • Upper Great Lakes Kiyi, (*Coregonus kiyi kiyi*) (MECP 2019c)
Ontario Parks (MECP)	GapTool data set, including reports and shapefiles for underrepresented Landform/Vegetation (L/V) associations for Ecodistricts and critical L/V associations within protected areas iNaturalist data, including for provincial parks and conservation reserves
iNaturalist (iNaturalist. 2022)	Fish occurrence data
Canadian Aquatic Barriers Database (Canadian Wildlife Federation [CWF]-DFO 2022)	Fish barrier and dam mapping
Domtar Forest Management Plan for the Wabigoon Forest (Domtar 2018)	Forest Management Plan Fish Spawning Areas
Dryden Forest Management Company, Forest Management Plan for the Dryden Forest (Dryden Forest Management Company 2018)	Forest Management Plan Fish Spawning Areas
Greenmantle Forest Inc. Lakehead Forest Management Plan (Greenmantle 2020)	Forest Management Plan Fish Spawning Areas
The Ecosystems of Ontario, Part I: Ecozones and Ecoregions (Crins et al. 2009 and Crins 2002).	• Ecozones • Ecoregions
Great Lakes Conservation Blueprint for Aquatic Biodiversity, Volume 2: Tertiary Watershed Summaries (Phair et al., 2005)	Watershed summaries

2.3.2.1 Species at Risk and Species of Conservation Concern Exclusions

The following species have been documented within the Lake Superior area (i.e., within 1 km of an alternative route) but have been excluded from the baseline as they are unlikely to be present within the LSA:

- Species at Risk
  - Shortjaw Cisco (*Coregonus zenithicus*; Threatened [ESA/COSEWIC]) prefer deep waters, usually between 55 and 180 m in depth and migrate to shallower waters (i.e., 10 to 60 m) to spawn (MECP 2019a; Attachment 6.6-A-2, Table 1 and Attachment 6.6-A-3, Table 1). The alternative routes within the Lake Superior LSA contain smaller waterbodies with shallow water depths and it is highly unlikely that Shortjaw Cisco would move into these waterbodies at any time of the year. Therefore, Shortjaw Cisco were excluded from the alternative route evaluation.
  - Shortnose Cisco (*Coregonus reighardi*) (Endangered [ESA/SARA/COSEWIC]) prefer deep waters, usually between 37 m and 150 m in depth and spawning occurs in the spring at depths of 50 to 150 m (COSEWIC 2005). Waterbodies are crossed by the proposed alternative routes within the Lake Superior LSA, but the routes contain smaller waterbodies with shallow water depths and it is highly unlikely that Shortnose Cisco would move into these waterbodies at any time of the year. Therefore, Shortnose Cisco were excluded from the alternative route evaluation.
  - Based on distribution records provided on the MECP Species at risk in Ontario distribution mapping for Pugnose Shiner (*Notropis anogenus*; Threatened [ESA/SARA/COSEWIC]), ROM Field Guide to Freshwater Fishes of Ontario, and Freshwater Fishes of Canada (MECP 2019b, Holm et al. 2021, Scott and Crossman 1973), Pugnose Shiner are only found in southern Ontario; however, Pugnose Shiner are listed in the Land Information Ontario, Aquatic Resources Area data layer (MNRF 2022a) as being present in Lake Superior. The data provided on the MECP distribution mapping, the ROM Field Guide, and Freshwater Fishes of Canada (MECP 2019b) likely reflects the accurate range of this species and, therefore, Pugnose Shiner were excluded from the alternative route evaluation. This assumption was confirmed with the MNRF through the review of the FWP (Hydro One Inc. 2022).
  - Pygmy Whitefish (*Prosopium colterii*; Threatened [COSEWIC]) prefer deep waters, usually greater than 30 m deep (Government of Canada 2021). Waterbodies are crossed by the alternative routes within the Lake Superior LSA, but the routes contain smaller waterbodies with shallow water depths and it is highly unlikely that Pygmy Whitefish would move into these waterbodies at any time of the year. Therefore, Pygmy Whitefish were excluded from the alternative route evaluation.
- Species of Conservation Concern
  - Upper Great Lakes Kiyi (*Coregonus kiyi*; Special Concern [ESA/SARA/COSEWIC]) prefer deep waters, usually between 35 m to 200 m in depth and is rarely found in

water less than 100 m deep (MECP 2019c). Waterbodies are crossed by the alternative routes within the Lake Superior LSA, but the routes contain smaller waterbodies with shallow water depths and it is highly unlikely that Kiyi would move into these waterbodies at any time of the year. Therefore, Kiyi were excluded from the alternative route evaluation.

- Northern Sunfish (*Lepomis peltastes*; NAR [ESA/SARA/COSEWIC). Background data indicate there are two populations of Northern Sunfish, the Great-Lakes St. Lawrence population and the Nelson River population. Records (Mandrak et al. unpublished information) documented Northern Sunfish (Nelson River population) (*Lepomis peltastes)* within the Upper Rainy, Rainy Lake and Wabigoon River watersheds (i.e., within the aquatics RSA). However, Northern Sunfish within the Nelson River population are ranked as Not at Risk under SARO/ESA/SARA and were therefore not considered further under the aquatic SAR/SOCC category (MECP 2017). There were also no records of Northern Sunfish in the background data within the LSA (i.e., 1 km of the alternative routes) and no individuals were captured or observed during the field program. Therefore, Northern Sunfish were excluded from the alternative route evaluation.

2.3.3 Field Studies

Field studies completed in support of the Project included:

- Helicopter aerial reconnaissance survey;
- Ground-based fish habitat surveys; and
- Fish community surveys.

Field studies are detailed in Sections 2.3.3.1 to 2.3.3.3.

2.3.3.1 Helicopter Aerial Reconnaissance

An aerial reconnaissance survey of the alternative routes was completed from October 20 to 24, 2020 on 267 potential water crossings that intersected the proposed alternative routes and for a limited number of sites in September 2022 (i.e., ten water crossings along alternative route 3A where road access was not available) to collect data for surface water, fish and fish habitat, and the terrestrial environment to support the alternative route evaluation.

Objectives of the aerial reconnaissance related to fish and fish habitat were to:

- Confirm desktop findings and identify additional unmapped sensitive features along the alternative routes, for the purpose of informing the alternative route evaluation; and
- Identify areas or features warranting further investigation during appropriate timing windows and using appropriate survey methods during the 2022 field program.

The aerial reconnaissance was conducted by two qualified professionals (i.e., ecologist, environmental technician) and, where possible, accompanied by an Indigenous Community member. The survey was completed during the fall under leaf-off conditions and prior to ice-on conditions, to facilitate the highest level of visibility of fish habitats and the presence of waterbodies.

For each water crossing location that had been previously identified at the desktop level, the aerial reconnaissance for the fish and fish habitat baseline study included the documentation/characterization of the following parameters, where visible from the air:

- Approximate bankfull width of waterbodies;
- Inferred permanency of a waterbody (i.e., non-permanent or permanent), noting that further refinement is required based on these estimates and a combination of the results from the ground-based field studies and desktop analyses (e.g., review of historical flow records from available stream gauge stations for similar-scaled catchments);
- General configuration of a waterbody (e.g., channel pattern/planform, wetted width);
- Fish habitat features (i.e., habitat morphology [run, riffle, pool], substrate, overhead and in-water cover, presence of aquatic vegetation), where visible;
- Identification of fish habitat features (i.e., spawning areas [shoals, cobble bars, falls] migratory routes, nursery, or overwintering areas), where visible;
- Evidence of instream barriers/impediments or hydraulic controls (e.g., beaver dams, bedrock outcrops, hydroelectric dams, road and rail crossings) and general erosion-sedimentation patterns (it is noted that barriers observed during the aerial reconnaissance may not be actual barriers to fish movement and migration; but if barriers/impediments were identified, they may be seasonal in nature and the presence of a barrier does not preclude fish presence upstream of the barrier; details of impediments and barriers were added to the crossing list and provided Attachment 6.6-A-1, Table 1;
- Changes from previously mapped conditions (e.g., such as the influence of beaver dams and activity on the landscape in creating new wetlands); and
- Accessibility for the ground-based field surveys scheduled for 2022.

The ability to assess fish habitat potential for aquatic SAR and SOCC, other than Lake Sturgeon (*Acipenser fulvescens*), present in the LSA was limited during the aerial reconnaissance due to the habitat preferences of these species (e.g., Northern Brook Lamprey [*Ichthyomyzon fossor*] prefer smaller watercourses with fine substrate, which is not always visible from the air). Habitat mapping for Lake Sturgeon was not included in the aerial reconnaissance; however, suitable habitats for Lake Sturgeon along the alternative routes were noted during the aerial reconnaissance at each waterbody surveyed, where possible and where visible by air, and

these were used to inform the alternative route analysis. For the alternative route evaluation, all waterbodies included on the final water crossing list were classified as having fish habitat potential. As part of the EA, the fish habitat potential for each group of species and in some cases specific species was assessed within the LSA.

The data collected from the aerial reconnaissance were incorporated into the water crossing list and were used to support the baseline assessments. Data collected during the aerial reconnaissance provided value-added information (i.e., additional context) for the net effects assessment of the preferred route.

2.3.3.2 Ground-Based Fish Habitat Surveys

Fish and fish habitat surveys of the alternative routes were completed from June 16 to September 30, 2022, for approximately 25% of the total number of water crossings identified in the crossing list. The site selection process for the subset of water crossings was based primarily on a 'scaled approach', with the objective of selecting a representative number of water crossings under different categories of watershed size (i.e., four categories for watersheds: greater than 500 square kilometres [km^2], between 50 km^2 and 500 km^2, between 2 km^2 and 50 km^2, and less than 2 km^2). This approach also considered balancing site selection between mapped and unmapped water crossing locations. The selected water crossing locations were evenly distributed along the length of all alternative routes and among the relevant tertiary watersheds to the extent possible/practicable.

Fish and fish habitat surveys were completed concurrently with surface water quality surveys (Section 6.2) and incidental observations for terrestrial ecology characteristics were recorded (Section 6.4 and 6.5) where possible to support the alternative route evaluation and EA.

The length of the section of each waterbody surveyed (i.e., reach) was dependent on the size and type of the waterbody. The field crew endeavoured to survey a 200 m reach of each waterbody, including 50 m upstream from the crossing and 150 m downstream from the crossing on watercourses and 200 m along the shoreline of lakes/ponds. If it was not possible to survey 200 m due to site logistics (e.g., dense forest, land access issues), the field crew surveyed as much of the planned reach as was safely accessible, up to 200 m. For large waterbodies, field data collected consisted of a habitat assessment from shore. If a helicopter was used to access the waterbody (not accessible by vehicle or on foot) during the ground-based field survey, a low-level helicopter fly-over was used to determine substrate and available cover for fish.

At each water crossing selected for the survey, a detailed habitat assessment was completed. Fish habitat was categorized based on the following parameters:

- Waterbody types were based on a visual assessment (at the time of the field survey):
  - **Watercourse –** A flowing body of water within a defined channel (includes rivers, brooks, creeks, and streams).

  - **Lake/Pond –** A non-flowing body of water that is surrounded by land and has no discernible flow. Those that were >8 ha in area were categorized as **lakes** and those <8 ha as **ponds**.
  - **No defined channel –** A potential waterbody (based on desktop or aerial surveys) that was determined to have no defined bed and/or banks during the field survey was not considered to provide fish habitat.
- Location in Universal Transverse Mercator (UTM) coordinates, North American Datum (NAD) 83.
- Visually observed flow regime and permanence:
  - **Non-Permanent –** The non-permanent flow regimes included:
    - **Ephemeral –** Flows or wetted conditions only during and after large precipitation events for a period of a few days to a few weeks;
    - **Intermittent –** Flows or wet conditions during wet seasons and in the summer after a major rain event, a non-permanent feature with a defined channel and evidence of annual scour or deposition; and
- **Permanent –** Flows or has a wetted condition for most of the year (i.e., 8 months of the year or longer) but can become dry during drought conditions.

The classification was determined through professional experience based on site observations, habitat features of the assessed reach, or site-specific evidence (e.g., absence of defined bed and bands) at the time of the assessment.

The channel was classified by the following habitat morphology types (modified from O'Neil and Hildebrand 1986):

- **Backwater –** Discrete, localized area of variable size, exhibiting reverse flow direction; generally produced by bank irregularities; velocities variable but generally lower than the main flow; substrate similar to adjacent channel, but with higher proportion of fines.
- **Cascade –** Extremely high gradient and velocity; extremely turbulent with entire water surface broken; may have short vertical sections, but overall is passable to fish; armoured substrate; may be associated with rapids and chutes.
- **Falls –** Highest water velocity; involves water falling over a vertical drop; may be impassable to some fish species depending on height of the falls.
- **Flat –** Area of channel characterized by very low current velocities (relative to riffle and run and pool types); near laminar (i.e., nonturbulent) flow character. Depositional area featuring predominantly fines substrate (e.g., sand/silt). Differentiated from pool habitat type on basis of high channel uniformity and lack of direct riffle/run association, as well

as turbulence, lower velocity and fine substrates. More depositional in nature than run habitat (e.g., sand/silt substrate, lower food production, low cover).

- **Impoundment –** Pools formed behind dams (natural or anthropogenic); tend to accumulate sediment/organic debris more than scour pools; may have cover associated with damming structure.
- **Pool –** Discrete portion of channel featuring increased depth and reduced or low velocity (downstream oriented) relative to riffle and run habitat types; low turbulence and variable substrate classes may be present. Deeper water incisions formed by channel scour (i.e., removal of bed or bank material by flowing water) often associated with the downstream end of an elevation drop (e.g., culvert outlet, falls etc.).
- **Rapids –** Portion of channel with highest velocity relative to other habitat types. Deeper than riffle (ranging from approximately 0.25 m to 0.5 m); often formed by channel constriction. Substrate extremely coarse; dominated by large cobble and boulder material. Instream cover provided in pocket eddies and associated with cobble/boulder substrate.
- **Riffle –** Portion of channel with increased velocity relative to run and pool habitat types; broken water surface due to effects of submerged or exposed bed materials; relatively shallow (less than 0.25 m) during moderate to low flow periods.
- **Run –** Portion of channel characterized by moderate to high current velocity relative to pool and flat habitat; water surface largely unbroken. Deeper than riffle habitat type.

Within each habitat morphology type, the following parameters were measured or visually assessed (where applicable):

- Bankfull width, wetted width, and channel length was measured to the nearest 1 m. Maximum depth was measured in watercourses to the nearest 0.10 m, and in lakes and ponds the mean depth (m) was estimated from the shoreline.
- Substrate composition was visually estimated as a percentage of total area within each habitat unit of watercourses and waterbodies. Substrate classifications use the Modified Wentworth Scale (Wentworth 1922):
  - Organic – Organic material.
  - Silt – Particles less than 0.06 millimetres (mm) in diameter.
  - Sand – Particles between 0.06 mm and 2.00 mm in diameter.
  - Gravel – Particles between 2 mm and 64 mm in diameter; range of sizes may be present.
  - Cobble – Particles between 64 mm and 256 mm in diameter.

  - Boulder – Particles greater than 256 mm in diameter.
  - Bedrock – Consolidated rock.

- Availability of in-water cover was visually assessed using the following constituents: overhanging vegetation (i.e., riparian vegetation overhanging banks), substrate, depth/turbulence, aquatic vegetation, undercut banks, and woody debris as a percentage of total area within each habitat unit.
- Bank shape was visually assessed as sloping, vertical, or undercut (See EA Section 6.2).
- Bank stability was visually assessed as percent stable.

Basic in-situ water quality parameters (conductivity, pH, temperature, dissolved oxygen and turbidity) were measured using a multi-parameter water quality meter (i.e., AquaTroll 600) at each water crossing, where water depth was sufficient to allow measurements to be collected. A visual estimate of water colour was also documented. Water quality parameters were compared to applicable Canadian Council Ministers of the Environment (CCME) Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG) (CCME 1999) and the MECP Provincial Water Quality Objectives (PWQO) (MECP 1994). It should be noted that the water quality values detailed in Section 3.2 represent single point-in-time measurements, collected at the time of the survey and are not necessarily an accurate indication of season or diurnal fluctuations that may occur within a waterbody. These parameters have been used as contextual at the time of survey to provide a general indication of the water quality of each waterbody.

The following additional variables were measured or visually assessed within the entire survey reach:

- Presence of potential fish passage impediments and barriers. The type, height, and potential permanency of the barrier/impediment was documented if present. It is acknowledged that the presence of a barrier does not preclude fish presence upstream or downstream of the barrier. Barriers/impediments were considered permanent if characteristics suggested they are likely to have been present for more than 20 years (e.g., an anthropogenic dam). They were considered non-permanent if characteristics suggested they have not been present for more than 20 years or could be naturally altered (e.g., a relatively recently constructed beaver dam or debris jam);
- Type of riparian vegetation present, average height, and the presence of critical riparian vegetation cover;
- Evidence or presence of sensitive features (e.g., watercress, groundwater seepage/ springs, iron staining, etc.) that indicate higher water quality, and/or high-quality spawning areas (e.g., gravel bars, shoals, rocky islands, rapids, etc.) that are often limited in quantity within the LSA;

- Pollution point sources and/or existing infrastructure if present;
- Supporting and environmental information (e.g., weather conditions, such as air temperature, wind direction, precipitation type, and percent cloud cover) and access notes; and
- Photographs at each waterbody including upstream, downstream, of the left and right downstream banks or cardinal directions for waterbodies and substrates, at the proposed crossing location. Representative photos of habitat types were taken along the survey reach.

Based on the habitat features described above, the fish habitat potential in each waterbody for each critical life history stage (i.e., spawning, rearing, foraging, overwintering) for each species group that may be present (i.e., small-bodied fish, large-bodied fish, SAR, SOCC) were rated as follows:

- **Nil –** The waterbody had no habitat available and will not support fish because defined bed and banks (even if not well defined) were not present.
- **Low –** The waterbody had low-quality habitat available, which may include an ephemeral to non-permanent flow regime, poorly defined banks, limited abundance of habitat and substrate types to provide life history functions for fish (e.g., only pool habitat with silt substrate), partial barriers/impediments to fish movement (e.g., beaver dams, log jams), and minimal instream cover.
- **Moderate –** The waterbody had moderate-quality habitat available, which may include a non-permanent to permanent flow regime, some habitat and substrate type variety (e.g., more than two types available), absence of barriers/impediments to fish movement in the assessed reach, and multiple sources of instream cover.
- **High –** The waterbody had high-quality habitat available, which may have included a permanent flow regime, a variety of habitat and substrate types to meet life history requirements for several species of fish (including spawning habitat), presence of sensitive features (e.g., watercress, groundwater seepage/springs, or iron staining), absence of barriers/impediments, and variety of instream cover. Waterbodies with ephemeral and semi-permanent flow regimes may have been rated as having high rearing potential for young-of-the-year (YOY) fish as these waterbodies are known to provide nursery habitat, particularly for YOY Brook Trout.

The fish habitat potential rating system is conservative and if there was any potential for SAR and/ or SOCC fish to be present in a waterbody, the habitat potential ratings documented that potential, even if it was low quality habitat.

Small-bodied fish, also called forage fish or baitfish, were defined as generally small fish (total adult lengths generally less than 200 mm) that may serve as food for larger predators. Forage fish species would include families such as Leuciscidae (formerly Cyprinidae) (e.g., Lake Chub

[*Couesius plumbeus*]) and Cottidae (e.g., Slimy Sculpin [*Cottus cognatus*]), as well as several others. Large-bodied fish (including predator fish species) were defined as those that generally have fork lengths (length of a fish measured from the tip of the snout to the end of the middle caudal fin rays) greater than 200 mm when they are adults, and would include species from such families as Acipenseridae (e.g., Lake Sturgeon, Salmonidae (e.g., Brook Trout), and Catostomidae (e.g., White Sucker [*Catostomus commersonii*]).

The field crew used a variety of gear that included, but was not limited to, measuring tapes/sticks, wading rods, flow meters and YSI or AquaTroll water quality meters, GPS, and cameras. Data were recorded on electronic (e.g., collector or survey 123 platforms) or paper datasheets.

IK/TLRU related to fish and fish habitat (as available from Indigenous crew members) was recorded on a site-specific basis for inclusion in the EA, if permission was provided by the Indigenous field crew member.

All fish habitat assessment parameters collected at the time of the field survey were opinions/measurements/observations based on the site conditions, habitat features of the area, or sufficient evidence to support data at the time of the assessment, that was captured within a single moment in time (i.e., single year and often single season, single day) and are subject to natural changes such as beaver activity, flooding and climate change. The data may not be representative of conditions in subsequent years.

2.3.3.3 Fish Community Sampling

The fish community sampling required Licences to Collect Fish for Scientific Purposes (LCFSP) issued by MNRF (Licence numbers: 1101384, 1101549 and 1101314). The permit applications were submitted through the one-window EA contact, who provided the applications to each of the Thunder Bay, Fort Frances, and Dryden MNRF district offices. All fish sampling was completed per the licence conditions.

Visual inspection of the sampling area was completed prior to sampling to observe if any spawning activities were occurring or if eggs/larvae were present in a redd (i.e., spawning nest). If spawning activities or redds were observed, fish sampling was not completed, and the field crew avoided stepping in the water but recorded the activity and species observed. Freshwater mussel presence, to the extent possible, was also documented during the visual inspection if observed, and while conducting fish community assessments.

Fish community sampling was completed using a variety of capture techniques as determined by the individual site conditions at the time of the survey. The fish sampling gear included, but was not limited to, a backpack electrofisher (e.g., Smith Root LR-24 or equivalent), dip nets, seine nets, hoop nets, and minnow traps. Holding pens/tubs, aerators, length boards, weight scales (0.1 grams [g]), and a camera were used for processing fish.

Electrofishing was the preferential fishing method and was completed by qualified staff. Electrofishing has proven sampling efficiencies with limited incidents of fish mortality and injury (Portt et al. 2006) compared to other sampling methods if conducted by qualified, experienced individuals using appropriate settings. The use of electrofishing equipment was limited to wadable areas based on flow, substrate, and water depth. A field-level assessment of site conditions was completed to determine the safety and efficacy of electrofishing-based sampling. Where site conditions supported electrofishing, the electrofisher operator waded upstream and sampled in the immediate vicinity of suspected fish holding sites (e.g., overhanging branches, undercut banks, submerged logs, or boulders). The netter, who was positioned immediately downstream of the anode, typically adjacent to the electrofisher operator, collected temporarily immobilized fish and placed them in a hand-held container (typically a bucket) filled with water. Electrofishing was completed within the survey reach (i.e., approximately 50 m upstream from the crossing and 150 m downstream from the crossing). The length of channel sampled depended on the distribution of available habitat, and the type of fish (if captured). Electrofishing settings were determined by the site conditions (e.g., conductivity), but standard electrofishing settings were used to start [e.g., 125 to 600 volts (V) or direct current and frequency of 25 to 100 Hertz] (Smith Root 2021).

Other fishing methods were employed to complement electrofishing efforts or as designated in habitats where electrofishing may not be suitable (Portt et al. 2006). Seine nets, approximately 30 m long with 0.01 m mesh, were used at beach or shoreline areas where two field staff can wade (i.e., less than 1 m water depth) and walk in a U-shaped pattern to encircle fish. Use of seine nets were limited by current velocity and water depth. Hoop nets, approximately 1 m opening with 0.01 m mesh, were set in waterbodies where the tunnels could be submerged, the channel bottom was flat and free from large obstructions (i.e., large, coarse substrate/boulders, dense vegetation, or woody debris) with the opening facing downstream and the trap end at the upstream extent.

Minnow traps (Gee type) were widely used in all waterbody types to target small-bodied fish species. Minnow traps, approximately 0.41 m long with 0.22 m openings and 0.005 m mesh, were submerged in water with the trap entrances below the waterline. Minnow traps were baited with dried cat food to increase the potential of catch success. Minnow traps were generally set between one to five hours and/or overnight, where possible.

The captured and observed fish were enumerated and identified to species, where feasible. The first ten fish of each fish species captured were weighed and measured. Captured forage and small-bodied fish species were weighed to the nearest 0.1 g and large-bodied fish were weighed to the nearest gram. Captured fish were measured by fork length or total length (species dependent) to the nearest millimetre. Approximate lengths of observed fish that were not captured were estimated, where possible. Captured fish were released immediately downstream of their capture locations, outside the active fishing area.

No SAR, SOCC, or invasive species were captured or observed during the field program; as such, no additional sampling measures were required to be undertaken for these species.

Data were recorded on electronic (e.g., collector or survey 123 platforms) or paper datasheets and included sampling location, capture methods, date, start/end times, size of the area sampled (distance in m), effort (measured in electrofishing seconds by the backpack unit), electrofishing settings, net sizes and number of netters, number of runs or traps set, number and species of fish captured and observed, and fish weights and lengths, as described above.

No species-specific sampling was completed for freshwater mussels and none were observed during the field survey.

As with fish habitat data, IK/TLRU related to fish communities (as available from Indigenous crew members) was recorded on a site-specific basis to be incorporated into the EA, if permission was provided by the Indigenous field crew member.

2.3.3.3.1 Disinfecting Procedure

Field gear was disinfected according to the LCFSP conditions. Field gear (e.g., waders, electrofisher, fish processing equipment and water quality meters) were disinfected using a bleach solution prior to the field survey and then between each site to reduce the risk of spreading invasive species, viral hemorrhagic septicemia, and/or whirling disease,.

2.3.3.3.2 MNRF Licence to Collect Fish for Scientific Purposes Mandatory Reporting

The Licence to Collect Fish from each MNRF District was provided in a timely manner, such that it aided in the quick initiation of field surveys. As such the Project team thanks and acknowledges the support provided by the MNRF toward the Project.

The mandatory reporting required per licence conditions upon completion of the field survey will be submitted to the Thunder Bay, Fort Frances, and Dryden MNRF district offices prior to January 31, 2023 (or as mandated).

2.3.4 Data Analysis and Water Crossing List Refinement

The water crossing list was refined following the field surveys so that it included results from both the desktop analysis and field surveys. Sensitive information, such as SAR, SOCC or IK data, were protected where that information cannot be shared publicly. Information was masked by generalizing locations or data types. Data from field surveys were used, as appropriate, to refine the pre-field desktop fish and fish habitat existing conditions and evaluate the potential for fish habitat (including SAR habitats).

To provide an estimate of the overall habitat quantity (in square metres) of each criteria species in the preliminary footprint for each alternative route, the estimated bankfull width at each water crossing was multiplied by the width of the proposed disturbance. To support a qualitative assessment of fish distribution, a list of potential fish species was generated for each waterbody hydrologically connected to other waterbodies within 1 km (i.e., the LSA) where fish occurrence records existed. This was a conservative assessment that took into consideration the waterbody type, fish distribution in the tertiary watershed (i.e., RSA), and known habitat preferences for

each fish species. If there were any uncertainties about the ability of a waterbody to support a species of fish or to provide fish habitat, a conservative approach was used, and it was assumed the fish and fish habitat have the potential to be present in the waterbody. In the absence of historical or field-collected fish occurrence or habitat records, all OHN mapped waterbodies (areas with defined beds and banks [MNRF 2022c]) were conservatively considered to have fish habitat potential.

Due to the remote nature of the Project and the absence of background information at many of the crossings, the confidence in the historical data for these locations was low. Higher confidence was placed on data from mapped, named waterbodies with historical or field-collected fish and fish habitat data that generally were located near populated areas and roadways.

3.0 Results

3.1 Environmental Setting

The Project is located within the Ontario Shield Ecozone, Ontario's portion of the national Boreal Shield Ecozone (Crins et al. 2009). The Ontario Shield Ecozone, which occupies more than half of the province, includes both the boreal forest and the Great Lakes – St. Lawrence forest regions (Crins et al. 2009). With a few exceptions, this Ecozone contains the Precambrian bedrock in the province. These rocks are typically granites, gneisses, and greenstone belts made up of metavolcanic and metasedimentary rocks, as well as younger volcanic and sedimentary rocks (MRD 126-Rev 1, 1:250,000 scale Bedrock Geology of Ontario, OGS, 1991). The surficial geology and substrates are diverse across the Ecozone; however, exposed bedrock also constitutes a significant portion of the Ecozone. Topography varies based on both the local bedrock and surficial deposits (Crins, et. al. 2009).

The RSA is located within three Ecoregions: Lake Nipigon (3W), Lake Wabigoon (4S), and Pigeon River (4W) (Crins, et. al., 2009). A summary of the waterbodies, watershed, and aquatic species of each Ecoregion within the RSA, derived from The Ecosystems of Ontario, Part 1: Ecozones and Ecoregions (Crins et al. 2009) is provided below.

Lake Nipigon Ecoregion (3W)

This well drained ecoregion is situated in the Great Lakes Watershed. The most prominent aquatic ecosystem is Lake Nipigon (Crins et al. 2009). The ecoregion is bounded on its south side by the north shore of Lake Superior, including Black Bay and Nipigon Bay. Rivers and lakes are numerous. Dog, Muskeg, Pakashkan, Caribou, Mojikit, Onaman, Esnagami, and Long Lakes exemplify the larger lakes found here. Rivers such as the Dog, Gull, Kopka, Blackwater, Nipigon, Black Sturgeon, Gravel, Steel, and Pic Rivers originate in, or flow through, the ecoregion.

In aquatic ecosystems, species such as Shortjaw Cisco, Lake Whitefish (*Coregonus clupeaformis)*, Fathead Minnow (*Pimephales promelas)*, Burbot (*Lota lota*), Brook Stickleback (*Culaea inconstans*), Yellow Perch (*Perca flavescens)*, Lake Trout, Brook Trout, and Mottled Sculpin (*Cottus bairdii)* are found (Crins et al. 2009).

Lake Wabigoon Ecoregion (4S)

Many lakes have formed in this ecoregion, including Lac Seul, Lake of the Woods (northern portion is in this ecoregion), Rainy, Umfreville, Eagle, Shoal, Minnitaki, and Wabigoon Lakes (Crins et al. 2009). The ecoregion is generally well drained by the Nelson Watershed westward into Manitoba and then northward via the Nelson River to Hudson Bay. River systems found include the English, Wabigoon, and Winnipeg Rivers (Crins et al. 2009).

In addition to widespread fish species such as Lake Trout, Northern Pike, and Northern Redbelly Dace (*Chrosomus eos)*, species with more southern or western affinities, such as

Goldeye (*Hiodon alosoides*), Muskellunge (*Esox masquinongy)*, Pumpkinseed (*Lepomis gibbosus)*, and River Darter (*Percina shumardi*), inhabit rivers and lakes of this ecoregion (Crins et al. 2009).

Pigeon River Ecoregion (4W)

Most of this ecoregion drains through the Nelson Watershed. Numerous bedrock-rimmed lakes are characteristic of the landscape, especially in central and western locations (Crins et al. 2009). Some of these include Loch Lomond, Lac la Croix, Whitefish, Northern Light, Saganaga, Agnes, Basswood, Pickerel, Quetico, Namakan, and Marmion Lakes. A complex system of minor waterways is present throughout the ecozone that eventually connects to the Seine River in the west. The Pigeon River is one of the few major rivers in the ecoregion and flows eastward along the Ontario-Minnesota border through the Great Lakes to Lake Superior watersheds.

Lake Trout, Lake Chub, Northern Pike, Burbot, Golden Shiner (*Notemigonus crysoleucas)*, Bluntnose Minnow (*Pimephales notatus*), and Rock Bass (*Ambloplites rupestris)*, are characteristic species that inhabit the watercourse and waterbodies of the ecozone (Crins et al. 2009).

The RSA is located in the secondary watersheds of the English River, the Winnipeg River, and Northwestern Lake Superior and encompasses the following seven tertiary watersheds (based on the OHN data [MNRF 2022c]) which were used through out the EA section to define fish and fish habitat for the Project:

- North Lake Superior Shoreline (296,930 ha)
- Kaministiquia River (888,340ha)
- Rainy Headwaters (1,638,233 ha)
- Rainy Lake (1,273,240 ha)
- Big Turtle River - Rainy Lake (644,880 ha)
- Upper English River (1,414,260 ha)
- Wabigoon River (875,170 ha)

The RSA included the Turtle River-White Otter Lake Provincial Park boundary (11 water crossings) and the Campus Lake Conservation reserve (three water crossings).

The RSA fell within three MNRF Fish Management Zones (FMZ), including FMZ 4, 5 and 6, as well as three management districts (i.e., Thunder Bay, Fort Frances and Dryden).

3.2 Fish Habitat

Fish habitat is described below per tertiary watershed and per alternative route segment based on background and/ or field survey data indicative of fish habitat potential. The results of the fish habitat data analysis are presented in Attachment 6.6-A-1, Table 1, Figure 1 to Figure 39 and detailed data per crossing visited during the field survey are presented in Attachment 6.6-A-2, Table 1 to 437. Fish habitat at all other locations remains unknown and will be field verified prior to the permitting phases of the Project.

A total of 1,549 water crossings were identified through the background review and field surveys. Field surveys were completed at 425 water crossings (i.e., 27.4% of the total number of water crossings). Historical fish occurrence data were available for 602 water crossings. Fish were captured during field surveys at 108 water crossings, of which 103 had no previous fish occurrence records; therefore, fish occurrence records were available for 705 water crossings (i.e., 45.5% of the total number of water crossings). As a conservative measure, fish habitat potential was also considered present where the MNRF identified a waterbody type (i.e., lake/pond or watercourse) within the OHN layer (MNRF 2022c), as the assumption of the presence of beds and banks was made. These waterbodies were considered to hold fish habitat potential and accounted for 344 water crossings (i.e., 22.2% of the total number of water crossings).

No MNRF-identified travel corridors, staging, feeding or nursery areas for fish were present in the background data provided by Dillon (Dillon 2020).

No mapped critical habitat for any aquatic SAR was available for any of the waterbodies of the LSA including Lake Superior (DFO 2022).

A summary of the various parameters used to assess the criterion indicators by watershed and alternative route are provided in Table 3.2-1 and summarized in Sections 3.2.1 to 3.2.7.

Table 3.2-1: Summary of Fish and Fish Habitat by Watershed and Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds (m^2)	Number of Watercourses (Streams/ Rivers)	Area of Watercourses (m^2)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitat	Area of Fish Habitat (m^2)
North Lake Superior Shoreline	79	23	5	7,920	50	4,043	15	495	9	12,633	60	12,033
Kaministiquia River	385	91	29	84,798	195	60,473	126	7,485	35	158,151	239	149,946
Rainy Headwaters	203	69	63	290,610	81	28,328	37	4,249	22	324,062	150	319,868
Rainy Lake	287	99	63	109,575	119	49,242	53	5,609	52	171,391	201	161,782
Big Turtle River - Rainy Lake	308	79	43	206,980	143	40,962	67	6,495	55	258,069	221	249,582
Upper English River	17	5	1	2,920	10	2,323	4	70	2	5,363	11	5,243
Wabigoon River	270	59	25	57,880	146	32,626	70	4,265	29	100,312	189	95,221
Grand Total	1,549	425	229	760,683	744	217,997	372	28,668	204	1,030,046	1,071	993,675

Notes: m^2 = square metres.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project.

An additional 154 sites were reviewed through background data and 26 additional water crossings were surveyed or identified during the field season, but they cross Project components that have moved or were removed as the preliminary design was refined. These water crossings were removed from the water crossing list for the Project. The results of the field surveyed data for these crossings were provided to MNRF, as per the conditions outlined within the Licence to Collect Fish for Scientific Purposes but are not discussed further within this report since they are no longer being considered for inclusion in the Project. No aquatic SAR or SOCC were captured or observed during the field surveys at these crossings.

Watershed results summaries presented below reference Table 3.2-1 with regard to the number and area of waterbodies potentially impacted by the Project. Attachment 6.6-A-1, Table 1 provides additional detail regarding the fish habitat parameters summarized below and provides the location of each site surveyed.

3.2.1 North Lake Superior Shoreline

The North Lake Superior Shoreline tertiary watershed encompasses the area closest to Thunder Bay, Ontario and includes Alternative Routes 1, 1A, 1B-1/1B-2. Named waterbodies in the watershed are: Ishkibibble Creek, North Star Creek, McVicar Creek and Lake Superior shoreline.

Seventy nine (79) water crossings intersected the LSA within the North Lake Superior shoreline tertiary watershed, of which field surveys were completed at 23 water crossings (Attachment 6.6-A-1, Table 1 and Table 3.2-1). Although access to field survey locations was limited in this watershed primarily by lack of landowner access permissions, sufficient background data were available.

MNRF-identified thermal regime data were available for 18 coldwater waterbodies (including Ishkibibble Creek and various unnamed waterbodies), two coolwater waterbodies (including NorthStar Creek within Alternative Route 1B-1/1B-2) (MNRF 2022a).

Based on the background data and through visual observation at the time of the field survey, there were flow regimes for 51 permanent, 9 non-permanent, and 3 ‘nil’ (i.e., dry) water crossings within the North Lake Superior Shoreline tertiary watershed (MNRF 2022c). If a watercourse was not visited as part of the ground-based surveys or there was no flow regime information found through the desktop data analysis, the watercourse was assumed to be permanent; this accounted for the remaining 16 water crossings. Of the 79 water crossings present in this watershed, a total of 34 crossings had historical fish occurrence records that confirmed fish habitat potential. Novel occurrence records for three crossings were added through the field survey collections (Attachment 6.6-A-1, Table 1).

Fish habitat potential was identified for 60 water crossings; of which, 40 were identified with sensitive habitat features (e.g., SAR or SOCC habitat, overwintering, foraging, spawning or rearing locations, etc.). The total area of fish habitat within the North Lake Superior Shoreline watershed was 12,033 m^2 over 79 water crossings (Table 3.2-3).

Fish habitat for criteria species were identified at 31 waterbodies within the watershed. Potential aquatic SAR habitats were identified at 18 waterbodies, mostly associated with waterbodies within 1 km from Lake Superior. No critical habitat was mapped within Lake Superior for Deepwater Sculpin, Kiyi, Shortnose Cisco, Silver Lamprey (*Ichthyomyzon unicuspis pop. 1)* and Northern Brook Lamprey (DFO 2022). No critical habitat was mapped for Silver Lamprey and Northern Brook Lamprey within the larger watercourses connected to Lake Superior (i.e., Kaministiquia River, Neebing River, McIntyre River). SOCC habitats were identified within this watershed in the background or field data at 14 water crossings, all of which were present along Alternative Route 1B-1/1B-2.

Fish habitat surveyed within this watershed consisted of mainly short run/shallow watercourses with flat or riffle morphology that ranged in habitat quality from low to high (Attachment 6.6-A-1, Table 1). Some of these watercourses with riffle morphology, sufficient water depth and coarse substrates would likely provide higher quality Brook Trout rearing habitats. The flats observed within this watershed contained highly organic substrates and were often associated with increased beaver activity. Sensitive indicator features identified in the field included: iron staining (suggesting groundwater inputs) at WC-3068, WC-3096, and WC-1011.02, as well as a groundwater seep/spring at WC-3120.

There were no historical records of impediments/barriers within the North Lake Superior Shoreline LSA; however, multiple potential impediments/barriers were observed during field investigations along the alternative routes that included:

- Alternative Route 1: debris piles, subsurface flows, dense terrestrial vegetation and isolated wetlands. A small drop in elevation (0.1 m) was identified at WC-1011.02 which may act as a seasonal impediment for fish movement.
- Alternative Route 1A: drop in elevation (0.6 m) was identified at WC-3120.
- Alternative Route 1B-1/1B-2: beaver dams, subsurface flows, thick aquatic and terrestrial vegetation, and drops in elevation. Two drops which were present at WC-1164.01 were measured at 0.2 m and 0.5 m.

Water temperatures measured in this watershed ranged from 9.6°C to 23°C during field investigations. Dissolved oxygen levels were measured at 12 water crossings within the watershed and four were below the CCME CWQG for the protection of aquatic life and MECP PWQO (i.e., <5.5 mg/L). This may reduce the quality of habitats available and limit which species are able to inhabit the area to those more tolerant to lower dissolved oxygen levels. High dissolved oxygen values (i.e., >9.5 mg/L) were recorded at two water crossings. Values for pH ranged from 6.1 to 8.7. All except WC-3015 (i.e., pH 6.1) were within the CCME CWQG and MECP PWQO of pH 6.5 to 9.5. Water was typically clear, and all sites measured had low levels of turbidity based on in-situ measurements (i.e., <8 NTU).

Table 3.2-2: Summary of Fish and Fish Habitat in North Lake Superior Watershed by Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds	Number of Watercourses (Streams/ Rivers)	Area of Watercourses (Streams/ Rivers)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitats	Area of Fish Habitat (m^2)
North Lake Superior Shoreline	**79**	**23**	**5**	**7,920**	**50**	**4,043**	**15**	**495**	**9**	**12,633**	**60**	**12,033**
1	29	12	1	310	19	1,258	4	340	5	2,038	20	1,568
1A	10	2	0	0	9	185	0	0	1	195	9	185
1B-1 / 1B-2	39	9	3	1,210	22	2,600	11	155	3	4,000	30	3,880
2A	1	0	1	6,400	0	0	0	0	0	6,400	1	6,400

Notes: m^2 = square metres.

Values are presented as whole numbers in the table above, although decimal values were used for area calculations.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project

3.2.2 Kaministiquia River

The Kaministiquia River watershed has the most water crossings (i.e., 385) of all the watersheds crossed by the LSA, of which 91 were surveyed (Attachment 6.6-A-1, Table 1 and Table 3.2-3). The watershed is crossed by five alternative routes (i.e., 1, 1/1A, 1/1C, 1A, 1B-1/1B-2). There are 17 named watercourses and waterbodies within the Kaministiquia River Watershed: Amp Lake, Current River, Ferguson Creek, Gorham Creek, Kaministiquia River, Kashabowie River, Long Lake, McIntyre River, Middle Shebandowan Lake, Mud Lake, Neebing River, North Current River, Oskondaga River, Savigny Creek, Strawberry Creek, Sunshine Creek, and Swamp River.

MNRF-identified thermal regime data were available for 80 coldwater waterbodies and 21 coolwater waterbodies within this tertiary watershed (MNRF 2022a).

Based on the background data and determined through the field survey by visual observation at the time of the survey, there were flow regimes for 204 permanent, 33 non-permanent, and 20 'nil' (i.e., dry) water crossings within the Kaministiquia River watershed (MNRF 2022c). If a watercourse was not visited as part of the ground-based surveys or there was no flow regime information found as a result of the desktop data analysis, then the watercourse was assumed to be permanent; this accounted for the remaining 128 waterbodies. Of the 385 water crossings present in this watershed, a total of 130 crossings had historical fish occurrence records that confirmed fish habitat potential. Additional occurrence records for 32 crossings were added through the field survey collections (Attachment 6.6-A-1, Table 1).

The total area of fish habitat within the Kaministiquia River watershed was 149,946 m^2 over 239 water crossings (Table 3.2-3). Sensitive habitat features were identified at 172 of the crossings, with the majority (i.e., 57 water crossings) intersecting with Alternative Route 1/1C.

Fish habitat for criteria species was identified at 125 waterbodies within the watershed (Attachment 6.6-A-4, Table 1 to 437). One watercourse was identified as potential SAR habitat for American Eel. Critical habitat was mapped for Lake Sturgeon (Great Lakes – Upper St. Lawrence population) in the Kaministiquia River (DFO 2022), but no records occur upstream of Kakabeka Falls (a substantial barrier to the passage of all fish species due to its 40 m height) or within 5 km of any water crossings in this watershed. SOCC habitats were identified at six water crossings for: Deepwater Sculpin at one crossing, Northern Brook Lamprey at four water crossings, and Silver Lamprey at one water crossing.

A variety of habitat morphologies were identified including undefined channels, areas of subsurface flow, riffles, runs, flats, impoundments, pools, lakes, and a cascade. Overwintering habitat was identified at 24 crossing locations within the tertiary watershed, with 18 of those sites providing moderate to high quality habitat. Overhanging vegetation, woody debris, and aquatic vegetation were the dominant instream cover types. Organic and silt substrates were the most prevalent substrate type observed at crossings; however, approximately one third of the surveyed channel units contained the coarse substrates required for designation as higher quality spawning/rearing habitats of trout species. Sensitive habitat indicator features were

identified at 14 water crossings: groundwater upwellings at WC-1134, WC-3132, and WC-3214; iron staining at WC-1137.02, WC-1138, WC-1153, WC-1182.01, WC-1183, WC-3043, WC-3045, WC-3048, WC-3239, and WC-3240; a headwater feature at WC-1179; an island at WC-1182.01, and 3043; and gravel bars at WC-1183 and WC-3048.

Habitat quality within the Kaministiquia River watershed ranged from nil to high. A larger proportion of habitats that were identified as high quality intersected with Alternative Routes 1A (38 waterbodies), and 1/1C (40 waterbodies) than with the other alternative routes. These included waterbodies with a cool or cold thermal regime, permanent flow classification and fish habitat that supported salmonid or trout species as well as aquatic SAR or SOCC.

Historical and field-identified impediments/barriers were identified in the Kaministiquia River watershed along the alternative routes that included:

- Alternative Route 1: beaver dams and subsurface flows.
- Alternative Route 1/1A: subsurface flows and elevation drops. A large (20 m) drop exists at WC-1031.
- Alternative Route 1/1C: beaver dams, debris piles, dense terrestrial vegetation, subsurface flows, and elevation drops. WC-1056 and WC-1057 have records identifying a dam upstream, and a waterfall of unknown height downstream (CWF DFO 2022).
- Alternative Route 1A: subsurface flows.
- Alternative Route 1B-1/1B-2: beaver dam, debris pile, elevation drops, subsurface flows, and areas of thick aquatic vegetation. A slightly perched culvert (i.e., 0.1 m) acts as a more permanent barrier at WC-3045. WC-1161 has a recorded waterfall of unmeasured height upstream of the crossing location (CWF DFO 2022).

Water temperatures measured in the Kaministiquia River watershed during field investigations ranged from 7.7°C to 30.4°C, with an average temperature of 17.6°C. Dissolved oxygen levels were below the CCME CWQG for protection of aquatic life and MECP PWQO (i.e., <5.5 mg/L) at 21 water crossings within the watershed. This may be indicative of lower quality habitats, where use may be limited to those species that are more tolerant to low dissolved oxygen levels. The pH values measured ranged from 2.4 to 8.5, and 15 water crossings were identified as having pH values below the CCME CWQG for protection of aquatic life and MECP PWQO (i.e., <6.5). Turbidity was low (i.e., <8 NTU), at 38 crossings where in-situ water quality was measured, moderate at 17 crossings (i.e., >8 NTU; <80 NTU) and high at 6 crossing where values ranged from 90.6 NTU to 241.1 NTU.

Table 3.2-3: Summary of Fish and Fish Habitat in Kaministiquia River Watershed by Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds	Number of Watercourses (Streams/ Rivers)	Area of Watercourses (Streams/ Rivers)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitats	Area of Fish Habitat (m^2)
Kaministiquia River	**385**	**91**	**29**	**84,798**	**195**	**60,472**	**126**	**7,485**	**35**	**158,151**	**239**	**149,946**
1	91	16	9	7,213	37	12,564	36	1,238	9	22,245	49	19,837
1 / 1A	22	8	0	0	16	920	5	105	1	1,050	16	920
1 / 1C	112	31	13	71,880	56	22,825	33	594	10	95,644	74	94,880
1A	73	13	3	2,410	45	8,165	19	4,715	6	15,325	51	14,765
1B-1/1B-2	87	23	4	3,295	41	15,999	33	833	9	23,887	49	19,544

Notes: m^2 = square metres.

Values are presented as whole numbers in the table above, although decimal values were used for area calculations.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project

3.2.3 Rainy Headwaters

The Rainy Headwaters watershed includes three alternative routes (i.e., 1, 1/1C, and 1C), with a total of 203 water crossings, with 69 water crossings assessed within the 2022 field season (Attachment 6.6-A-1, Table 1). There are 13 named watercourses and waterbodies within the Rainy Headwaters: Arbour Lake, Crystal River, Flood River, French River, Little Eva Lake, Little Pickerel River, Mink Lake, Nickleby Lake, Niobe Lake, Nym Lake, Obadinaw River, Wawiag River, and Windigoostigwan Lake.

Based on background data and determined through the field program, by visual observation of in-situ conditions during each survey, flow regimes have been identified for 121 permanent, 35 non-permanent, and 10 'nil' (i.e., dry) waterbodies (MNRF 2022c). If a watercourse was not visited as part of the ground-based surveys or there was no flow regime information found as a result of the desktop data analysis, then the watercourse was assumed to be permanent; this accounted for the remaining 37 waterbodies. Limited background information was available for thermal regimes within the Rainy Headwaters, where 18 of the 203 crossings were identified as coolwater and 10 were identified as coldwater habitats (MNRF 2022a).

Fish habitat potential was identified at 150 water crossings, with 70 water crossings having fish community records within 1 km of the crossing location. Additionally, the field program provided an additional 28 records from sampling efforts, 27 of which were novel to historic records, thus a total of 97 water crossings had available fish occurrence data within 1 km of the crossing. Fish habitat for criteria species was identified at 64 waterbodies within the watershed, and 13 background records of potential Lake Sturgeon habitat (within a 5 km radius of the crossing locations) were documented. No occurrence records of SOCC were available and no suitable habitat locations were identified within this watershed in the background or field data. No SAR or SOCC were captured during the 2022 field program. A total of 150 crossings were identified as potential fish habitat, spanning over 319,868 m^2, of which, 93 water crossings were identified as having sensitive habitat features.

Waterbodies within this watershed showed a higher variety of habitat types than other watersheds assessed, which ranged in quality and included: no defined channels (i.e., no fish habitat), flats, impoundments, pools, runs, riffles, to lakes and ponds (Attachment 6.6-A-4, Table 1 to 437). Habitat with sufficient depth were identified at 17 crossing locations that would provide moderate to high quality overwintering habitats. Organic substrates were prevalent in most waterbodies assessed. A high amount of in-water cover was observed at most water crossing in the form of aquatic vegetation, overhanging vegetation and woody debris. Sensitive habitat features were only identified within the Alternate Route 1/1C at six crossings in the Rainy Headwaters watershed. These features included: iron staining (an indicator of groundwater inputs) at: WC-1063, WC-1083, WC-3267; a permanent inflowing tributary at WC-3261 (potential to provide high quality Brook Trout rearing habitats and upstream spawning habitats); an island at WC-1079, and a shoal at WC-1095 (islands and shoals provide potential spawning habitats to species with coarse substrate spawning preferences).

Historical and field-identified impediments/ barriers were identified at 24 locations within the Rainy Headwaters watershed along the alternative routes:

- Alternative Route 1: beaver dams identified at WC-1109, 3413, 3414, and 3415.
- Alternative Route 1/1C: beaver dams identified at WC-1063, WC-1064, WC-1065, WC-1074, WC-3258, WC-3260, WC-3261, WC-3276, WC-3279 and WC-3284; thick aquatic vegetation at WC-1070.01, WC-3267, and WC-3284; subsurface flow at WC-1083, WC-2385, and WC-3288; thick aquatic vegetation at WC-3267 and WC-3284; dense terrestrial vegetation at WC-3267; and drops in elevation at WC-3267 and 3268. Perched culverts were also identified at WC-1075 and WC-3285 which may act as seasonal impediments to fish movement.
- Alternative Route 1C: subsurface flow at WC-3334 and WC-3335; thick aquatic vegetation at WC-1192.02.

Where sufficient water depth was present (i.e., enough water to cover the sonde), in-situ water quality measurements were collected. Water quality measurements were taken at 50 water crossings out of the 69 assessed during the 2022 field season. Water temperatures recorded ranged from 10.6°C to 24.9°C, with 23 water crossings having recorded temperatures under 20°C. Dissolved oxygen levels ranged from 1.2 mg/L to 9.8 mg/L, with 29 water crossings having sufficient to high dissolved oxygen (i.e., >5.5 mg/L), and ten water crossings showed stagnant dissolved oxygen levels below 3 mg/L. The pH values within the Rainy Headwaters varied between acidic and neutral with values ranging from 3.5 to 7.5; 34 of which recorded values below the CCME CWQG and MECP PWQO for pH (i.e., <6.5). Water colour was mainly clear, with low turbidity (i.e., <8 NTU) for all water crossing where in-situ water quality was measured except for eight sites where moderate turbidity ranged from 10.4 NTU to 37.4 NTU.

Table 3.2-4: Summary of Fish and Fish Habitat in Rainy Headwaters Watershed by Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds	Number of Watercourses (Streams/ Rivers)	Area of Watercourses (Streams/ Rivers)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitats	Area of Fish Habitat (m^2)
Rainy Headwaters	**203**	**69**	**63**	**290,610**	**81**	**28,328**	**37**	**4,249**	**22**	**324,062**	**150**	**319,868**
1	74	15	24	139,485	27	7,495	16	1,050	7	148,090	54	147,425
1 / 1C	106	46	32	125,065	48	16,808	17	3,144	9	145,617	82	142,333
1C	23	8	7	26,060	6	4,025	4	55	6	30,355	14	30,110

Notes: m^2 = square metres.

Values are presented as whole numbers in the table above, although decimal values were used for area calculations.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project.

3.2.4 Rainy Lake

The Rainy Lake tertiary watershed includes 13 alternative route segments (i.e., 1, 1/1C/2A/2C, 1/1C/2C, 1C, 1C/2C, 2A, 2A/2B/2C, 2A/2C2B, 2B, 2B_V2, 2C, 3A and 3B/3C). Numerous named waterbodies and watercourses are noted within the watershed and include: Air Hole Lake, Atikokan River, Blue Creek, Eye River, Forsberg Lake, Green Creek, Lower Basin A Lake, Plateau Lake, Seine River and diversion, Strawhat Creek and lake, Upper Basin A Lake and White Lake

The Rainy Lake tertiary watershed contains 287 water crossings, and field surveys were completed at 99 water crossings (Attachment 6.6-A-1, Table 1 and Table 3.2-5). Field sites surveyed were limited by the remote location and inability of field crews to physically access some locations (e.g., dense forest, no existing roads/trails, etc.). The number of lakes/ ponds within this watershed were limited (i.e., <10) across all alternative routes, except for Alternative Route 2C which contained 23. The number of watercourses was also low (i.e., ≤15) across all routes with the exception of Alternative Route 2B that contained 34.

Twenty-five (25), coolwater watercourses and lakes/ponds were identified within this watershed. Coldwater habitats were limited to three waterbodies (MNRF 2022a and 2022c). Desktop review identified fish occurrence records at 115 waterbodies, which was supplemented with findings from field surveys at 23 sites, for a total of 138 water crossings (48% of all water crossing present within the Rainy Lake LSA).

Fish habitat for criteria species was identified at 113 waterbodies within the watershed. No aquatic SAR, or critical habitat was identified through desktop review within the LSA of the Rainy Lake watershed (DFO 2022). Of the water crossings evaluated through field surveys or desktop review, 201 (i.e., 70% of identified crossings in the Rainy Lake LSA) water crossings were identified as potential fish habitat with a total area of 161,782 m^2. Additionally, 76 of the previously mentioned water crossings were identified to contain sensitive habitat features.

Waterbodies within this watershed exhibited a wide range of habitat morphologies and quality that included: subsurface flow and no defined channels to cascades, falls and backwaters as well as deep pools, impoundments, and large lakes (Attachment 6.6-A-4, Table 1 to 437). Many of the watercourses had wetted widths of greater than 10 m that provides higher quality habitat to a variety of species due to the typical habitat diversity inherent in watercourses of that size. Coarse substrates were dominant features in the faster flowing watercourses, whereas organic and silt and sand substrates were dominant within slow flowing watercourses and waterbodies. Sensitive habitat indicator features that were identified in the field included a rocky island at WC-3654, groundwater seep/springs at WC-3346, and WC-2158.01, and a shoal at WC-2048. Numerous overwintering sites were identified during the field program within this watershed, and included eight high quality overwintering sites with water depths of >1.5 m. Four water crossings were identified as having potential for the habitat quality to be influenced by a possible pollution source that included a mine site near WC-3486, a landfill near WC-3479 and a site with known historical polychlorinated biphenyls (PCBs) contamination at WC-3488.

Historical and field-identified impediments/barriers were identified at 40 locations within the Rainy Lake watershed along the alternative routes:

- Alternative Route 1: beaver dams and a waterfall US of WC-1127 of unknown height (CWF DFO, 2022).
- Alternative Route 1/1C/2C: a waterfall upstream of WC-1206, WC-2032, and WC-3490 of unknown heigh (CWF DFO, 2022).
- Alternative Route 1C: beaver dams.
- Alternative Route 1C/2C: beaver dams.
- Alternate Route 2A: a beaver dam at WC-2002.01, Waterfalls upstream of WC-2002 and 3470, a perched culvert at WC-3495, and a large drop in elevation (1 m) was observed at WC-3486.
- Alternate Route 2A/2C: beaver dams and anthropogenic dams were observed in connection with WC-3489 and WC-2008 on the Ontario Power Generation property that included: Dam F-B and F-B1 (named on mapping) that have the potential to act as a barrier to upstream fish movements to Moore Lake and impede downstream movements.
- Alternate Route 2B: beaver dams, thick aquatic vegetation, drops in elevation, and subsurface flows.
- Alternate Route 2C: anthropogenic dams as part of waterbody Lower Basin A, as well as a buried culvert at WC-3542.
- Alternate Route 3A: thick aquatic vegetation and a beaver dam.
- Alternate Route 3B/3C: subsurface flows and a slightly perched culvert (0.1 m) was observed at WC-2158.01 which could act as a seasonal impediment to fish at times of low-flow.

In-situ water quality was measured at 71 of the water crossings visited during the field survey, where sufficient water depth was present. Water temperature within the watershed ranged from 10.6°C to 24.9°C. Dissolved oxygen values were below the CCME CWQG and MECP PWQO (i.e., <5.5 mg/L) at 39 water crossings, whereas the remainder of crossings surveyed conveyed water with levels within or above the guideline values (i.e., 31 crossings), one value was null. The pH values measured ranged from acidic to neutral (i.e., 3.5 to 7.8), and 46 water crossings were below the CCME CWQG and MECP PWQO (i.e., pH of <6.5). Water clarity ranged from clear and tea for most crossings, where turbidity values were generally low (i.e., <8 NTU), with the exceptions of eight crossings.

Table 3.2-5: Summary of Fish and Fish Habitat in Rainy Lake Watershed by Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds	Number of Watercourses (Streams/ Rivers)	Area of Watercourses (Streams/ Rivers)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitats	Area of Fish Habitat (m^2)
Rainy Lake	**287**	**99**	**63**	**109,575**	**119**	**49,242**	**53**	**5,609**	**52**	**171,391**	**201**	**161,782**
1	36	15	7	6,215	13	4,550	7	890	9	16,655	20	10,765
1 / 1C / 2A / 2C	3	0	0	0	3	320	0	0	0	320	3	320
1 / 1C / 2C	5	0	0	0	5	795	0	0	0	795	5	795
1C	19	13	5	5,030	3	1,990	1	10	10	7,430	8	7,020
1C / 2C	19	11	5	3,485	6	3,545	4	40	4	8,200	12	8,150
2A	29	9	5	16,605	12	3,085	8	125	4	19,975	19	19,725
2A / 2B / 2C	3	0	2	8,690	1	25	0	0	0	8,715	3	8,715
2A / 2C	18	7	5	1,820	7	7,195	2	70	4	9,120	13	9,025
2B	50	11	7	6,060	34	17,845	4	119	5	24,094	43	23,990
2B_V2	2	0	0	0	2	50	0	0	0	50	2	50
2C	56	19	23	56,980	11	2,290	16	2,465	6	61,795	40	59,355
3A	30	8	2	2,140	15	5,102	8	560	5	7,857	21	7,542
3B / 3C	17	6	2	2,550	7	2,450	3	1,330	5	6,385	12	6,330

Notes: m^2 = square metres.

Values are presented as whole numbers in the table above, although decimal values were used for area calculations.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project.

3.2.5 Big Turtle River-Rainy Lake

The Big Turtle River-Rainy Lake tertiary watershed is characterized by remote sites with difficult access and numerous potential water crossings that required helicopter access. Four alternative routes (i.e., 3A, 3B, 3B/3C and 3C) cross this watershed. A total of 308 water crossings were identified within the watershed and 79 field surveys were completed in this area (Attachment 6.6-A-1, Table 1 and Table 3.2-6).

The alternative routes intersect 43 mapped lakes/ponds and 143 mapped watercourses within the watershed. Alternative Route 3B/3C contains the largest area of lakes/ponds (i.e., 78,960 m^2); however, Alternative Route 3C contains the largest combined area of watercourses (i.e., 17.356 m^2). The watershed contains the second greatest area of lakes intersected by the Project footprint (i.e., 206,980 m^2), next to the Rainy Headwaters tertiary watershed.

Watercourses aside from Balmoral River, Bending Creek, Little Turtle River, Nora Creek, Side Creek, and Turtle River are largely unnamed in this watershed. Named waterbodies include: Bigwalk Lake, Crook Lake, Crowrock Lake, Dashwa Lake, Elsie Lake, Frawly Lake, Grey Trout Lake, Knight Lake, Lautons Lake, Mabel Lake, Mae Lake, Roberts Lake, Slim Lake, South Crook Lake, and West Hawk Lake.

MNRF-identified thermal regime data were available for 43 coldwater waterbodies and 50 coolwater waterbodies within this tertiary watershed (MNRF 2022a).

Based on the background data and determined through the field survey by visual observation at the time of the survey, there were flow regimes for 164 permanent, 50 non-permanent, and 27 ‘nil’ (i.e., dry) water crossings within the Big Turtle River-Rainy Lake tertiary watershed (MNRF 2022c). If a watercourse was not visited as part of the ground-based surveys or there was no flow regime information found as a result of the desktop data analysis, then the watercourse was assumed to be permanent; this accounted for the remaining 67 waterbodies. Of the 308 water crossings present in this watershed, a total of 174 crossings had historical fish occurrence records that confirmed fish habitat potential. Additional occurrence records for 8 crossings were added through the field surveys (Attachment 6.6-A-1, Table 1).

Fish habitat potential was identified for 221 water crossings; of which, 142 were identified with sensitive habitat features. Additionally, fish habitat for criteria species was identified for 159 waterbodies within the watershed. No aquatic SAR or SOCC species or their habitats were identified within the background or field data.

Watercourses assessed in this watershed consisted primarily of slower moving flats and run habitats with softer substrates and sufficient depth to support fish habitats. Sensitive habitat indicator features identified in the field included permanent inflowing tributaries at WC-2073, WC-2075 and WC-2203; headwater drainage feature/ non-permanent in-flows at WC-2055, groundwater inputs/natural springs at WC-2226.03, rocky islands at WC-2056, and shoals at WC-2080 which may provide spawning opportunities for some species. Moderate to high quality

overwintering sites were identified at seven water crossings within this watershed. Habitat within this watershed was ranked as moderate to high for most (>60%) water crossings (Attachment 6.6-A-4, Table 1 to 437).

Historical and field-identified impediments/barriers were identified at 15 locations within the Rainy Lake watershed along the alternative routes:

- Alternative Route 3A: beaver dams, drops in elevation, subsurface flows, thick aquatic vegetation, and dense terrestrial vegetation.
- Alternative Route 3B: beaver dams, subsurface flows, a perched culvert which may seasonally impede passage, and a waterfall of unknown height downstream of WC-2221 (CWF DFO, 2022).
- Alternative Route 3B/3C: subsurface flows and an anthropogenically built dam (i.e., Turtle Lake Hydro Dam), downstream of WC-2165 (CWF DFO, 2022).
- Alternative Route 3C: drops in elevation which may cause seasonal impediments to fish movement.

In-situ water quality was measured at 39 of the water crossings visited during the field survey, where sufficient water depth was present. Water temperature within the watershed ranged from 8.1°C to 25.4°C. Dissolved oxygen values were below the CCME CWQG and MECP PWQO (i.e., <5.5 mg/L) at 17 water crossings, whereas most crossings surveyed conveyed water with levels within or above the guideline values (i.e., 20 crossings). The pH values measured ranged from acidic to neutral (i.e., 3.7 to 7.6), and 34 water crossings were below the CCME CWQG and MECP PWQO (i.e., pH of <6.5). Water clarity was clear or tea coloured for most crossings, where turbidity values were generally low (i.e., <8 NTU), with the exceptions of six crossings. The highest turbidity recorded was 64 NTU at WC-2082 during a moderate rain event.

Table 3.2-6: Summary of Fish and Fish Habitat in Big Turtle River - Rainy Lake Watershed by Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds	Number of Watercourses (Streams/ Rivers)	Area of Watercourses (Streams/ Rivers)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitats	Area of Fish Habitat (m^2)
Big Turtle River - Rainy Lake	**308**	**79**	**43**	**206,980**	**143**	**40,962**	**67**	**6,495**	**55**	**258,069**	**221**	**249,582**
3A	140	25	18	55,320	79	8,206	32	5,705	11	71,723	114	64,941
3B	46	15	2	1,500	22	9,280	13	190	9	11,080	35	10,935
3B / 3C	43	13	11	78,960	13	6,120	7	85	12	85,210	25	85,090
3C	79	26	12	71,200	29	17,356	15	515	23	90,056	47	88,616

Notes: m^2 = square metres.

Values are presented as whole numbers in the table above, although decimal values were used for area calculations.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project.

3.2.6 Upper English River

The Upper English River watershed encompasses the northeastern portion of the alternative routes near Ignace, Ontario. It has the smallest area of waterbodies within the RSA (i.e., 5,363 m^2 wetted area) and contains a single alternative route (i.e., 3A). Seventeen (17) water crossings were identified within this watershed (Attachment 6.6-A-1, Table 1 and Table 3.2-7). Field surveys were completed at five water crossings within the watershed and fish habitat was identified for eleven of the water crossings based on background and field data.

The Osaquan River was the only named waterbody identified in the background data, although many of the water crossings had flow and thermal regime data available through the MNRF (MNRF 2022c). Seven of the 17 water crossings were identified as having coldwater thermal regimes, and two as coolwater (MNRF 2022c).

Based on the background data and through visual observations at the time of the field survey, there were flow regimes for eight permanent and five non-permanent water crossings within the Upper English River watershed (MNRF 2022c). If a watercourse was not visited as part of the ground-based surveys or there was no flow regime information found as a result of the desktop data analysis, then the watercourse was assumed to be permanent; this accounted for the remaining four waterbodies. Of the 17 water crossings crossed in this watershed, a total of four crossings had historical fish occurrence records that confirmed fish habitat potential (Attachment 6.6-A-1, Table 1).

Fish habitat potential was identified for 11 water crossings and encompassed 5,243 m^2; of which, 6 water crossings were identified with sensitive habitat features. Fish habitat for criteria species were identified at four waterbodies within the watershed. No aquatic SAR or SOCC critical habitats were identified within this watershed in the background or field data (DFO 2022; NHIC 2022).

A single permanent pond (i.e., WC-2086) was evaluated within this watershed during the field survey (Attachment 6.6-A-4, Table 1 to 437). The pond was observed to be sufficiently deep to provide moderate fish habitat quality and potential overwintering habitat. Watercourses within this watershed contained numerous relatively fast flowing channel units in the form of cascades, riffle habitats and low-quality runs. Dominant cover types observed at the time of assessment were woody debris and depth/ turbulence. Substrates were primarily organic and sand in many of the waterbodies assessed. No sensitive habitat indicator features (i.e., watercress, ground water seeps/ springs etc.) were observed during the field surveys for the water crossings. High quality habitats were present at three of the 17 water crossings within the watershed and characterized by multiple habitat morphologies, cover types and substrate types within the assessed reach.

Although no historic records were identified, field-identified impediments/barriers were observed at one location within the Upper English River watershed along the alternative routes:

- Alternative Route 3A: drops in elevation and subsurface flow at WC-3762.

In-situ water quality was measured at 5 of the water crossings visited during the field survey, where sufficient water depth was present. Water temperature within the watershed ranged from 10.4°C to 21.5°C. Dissolved oxygen values were within or above the CCME CWQG and MECP PWQO (i.e., <5.5 mg/L) at all water crossings sampled. The pH values measured were found to be acidic (i.e., 4.6 to 5.2) at all stations and were below the CCME CWQG and MECP PWQO (i.e., pH of <6.5). All crossings exhibited tea coloured water and low turbidity values (i.e., <8 NTU).

Table 3.2-7: Summary of Fish and Fish Habitat in Upper English River Watershed by Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds	Number of Watercourses (Streams/Rivers)	Area of Watercourses (Streams/Rivers)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitats	Area of Fish Habitat (m^2)
Upper English River	**17**	**5**	**1**	**2,920**	**10**	**2,323**	**4**	**70**	**2**	**5,363**	**11**	**5,243**
3A	17	5	1	2,920	10	2,323	4	70	2	5,363	11	5,243

Notes: m^2 = square metres.

Values are presented as whole numbers in the table above, although decimal values were used for area calculations.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project.

3.2.7 Wabigoon River

The Wabigoon River watershed encompasses the area closest to the City of Dryden and Wabigoon Lake with 270 water crossings, 59 of which were surveyed in the field. The watershed is crossed by six alternative routes (i.e., 3A, 3A/3B/3C, 3A/3C, 3B, 3C, and 4) (Attachment 6.6-A-1, Table 1 and Table 3.2-8). With the wetted area of 25 lakes/ponds and 146 watercourses making up 57,880 m^2 and 32,626 m^2, respectively, the watershed contains moderate aerial coverage when compared to the other watersheds assessed. Alternate Route 3B had the largest number of lakes/ponds (9 crossings); however, this accounts for 49% (28,600 m^2) of waterbodies surface area within this watershed. Alternate Route 3A/3C had the largest number of watercourses (46 crossings) which encompasses 31% (10,179 m^2) of watercourses surface area.

Named waterbodies within the Wabigoon River watershed include Wabigoon River as well as Battle Creek, Blackwater Creek, Hebden Brook, Katisha Creek, Long Lake River, McHugh Creek, Melgund Creek, Nugget Creek, and the Revell River. The Alternative Routes crossed many of the named waterbodies numerous times.

MNRF-identified thermal regime data were available for 20 coldwater waterbodies and 55 coolwater waterbodies within this tertiary watershed (MNRF 2022a).

Based on the background data and through visual observations at the time of the field survey, there were flow regimes for 140 permanent, 49 non-permanent, and 11 ‘nil’ (i.e., dry) water crossings within the Wabigoon River watershed (MNRF 2022c). If a watercourse was not visited as part of the ground-based surveys or there was no flow regime information found as a result of the desktop data analysis, then the watercourse was assumed to be permanent; this accounted for the remaining 70 waterbodies. Of the 270 water crossings crossed in this watershed, a total of 75 crossings had historical fish occurrence records that confirmed fish habitat potential. Additional occurrence records for 10 crossings were added through the field survey collections (Attachment 6.6-A-1, Table 1).

Fish habitat potential was identified for 189 water crossings and encompassed 95,221 m^2. Additionally, of the 189 crossing identified as fish habitat potential, 68 are considered to have sensitive habitat features. Fish habitat for criteria species were identified for 65 waterbodies within the watershed. No aquatic SAR or SOCC critical habitats were identified within this watershed in the background or field data (DFO 2022; NHIC 2022).

Sandy substrates were often observed within the waterbodies of this watershed and in general a greater variety of substrates were present than in other watersheds sampled. Run, flat and pool habitat morphologies were commonly observed during the field surveys within watercourses (Attachment 6.6-A-4, Table 1 to 437). Depth and turbulence provided the dominant fish cover type within this watershed followed by overhanging vegetation.

Sensitive habitat indicator features were observed at two water crossings during the field program. At WC-2091 a permanent, inflowing tributary was recorded, which could function as access to spawning and rearing habitat. Iron staining/groundwater inputs were observed at WC-2087.01, which could indicate groundwater seepage, contributing to a reduction in average temperature. Moderate to high potential overwintering sites were identified at 15 water crossings, where depths ranged from 1 m to >2 m, and potential for moderate to high quality fish habitat was identified at 120 water crossings, or 44.4% of water crossings identified within the Wabigoon River watershed.

Historical and field-identified impediments/ barriers were identified at 21 locations within the Rainy Headwaters watershed along the alternative routes:

- Alternative Route 3A: various beaver dams, drops in elevation, dense terrestrial vegetation, and debris piles.
- Alternate Route 3A/3B/3C: beaver dam, thick aquatic vegetation and anthropogenically built dams located upstream of three crossings (WC-2138, WC-2139 and WC-3897) (CWF DFO, 2022).
- Alternate Route 3A/3C: beaver dam, drops in elevation, and subsurface flows.
- Alternate Route 3B: various beaver dams, debris piles, subsurface flows, and coarse substrates. Additionally, a perched culvert at WC-3830 was observed which may impede fish movement.
- Alternate Route 3C: beaver dam at WC-2199, and several barriers/impediments at WC-3611 which included a perched culvert (i.e., 0.6 m height), beaver dam and debris piles, which may seasonally impede fish movement.

In-situ water quality was measured at 38 of the water crossings visited during the field survey, where sufficient water depth was present (i.e., deep enough to accommodate the sonde). Water temperature within the watershed ranged from 5.8°C to 25.9°C, with an average temperature of 16°C. Dissolved oxygen values were below the CCME CWQG and MECP PWQO (i.e., <5.5 mg/L) at 16 water crossings, whereas most crossings surveyed conveyed water with levels within or above the guideline values (i.e., 22 crossings). The pH values measured ranged from acidic to neutral (i.e., 2.1 to 7.6), and 23 water crossings were below the CCME CWQG and MECP PWQO (i.e., pH of <6.5). Most crossings surveyed were clear to tea in colour, where turbidity values were generally low (i.e., <8 NTU), with the exceptions of seven crossings. One crossing was recorded at high turbidity levels (i.e., >80 NTU), WC-3640 at 296 NTU.

Table 3.2-8: Summary of Fish and Fish Habitat in Wabigoon River Watershed by Alternative Route, 2022

Watershed	Total Number of Water Crossings	Total Number of Waterbodies Assessed	Number of Lakes/ Ponds	Area of Lakes/ Ponds	Number of Watercourses (Streams/ Rivers)	Area of Watercourses (Streams/ Rivers)	Number of Unmapped Watercourses	Area of Unmapped Watercourses	Number of No Defined Channels	Total Wetted Surface Area (m^2)	Number of Waterbodies with Fish Habitats	Area of Fish Habitat (m^2)
Wabigoon River	**270**	**59**	**25**	**57,880**	**146**	**32,626**	**70**	**4,265**	**29**	**100,312**	**189**	**95,221**
3A	32	13	4	10,920	15	1,752	6	145	7	12,942	22	12,787
3A / 3B / 3C	67	9	7	8,910	35	6,048	19	560	6	19,079	47	18,548
3A / 3C	58	15	0	0	46	10,179	8	170	4	10,374	46	10,179
3B	55	10	9	28,600	29	8,972	13	2,100	4	39,707	44	38,512
3C	34	12	4	8,500	10	5,475	12	450	8	16,220	16	14,010
4	24	0	1	950	11	200	12	840	0	1,990	14	1,185

Notes: m^2 = square metres.

Values are presented as whole numbers in the table above, although decimal values were used for area calculations.

Fish habitat at all other locations is unknown and to be field verified for permitting phases of the Project.

3.3 Fish Communities

Documentation of fish species and their distributions in northern Ontario is limited and is often a mixture of historical records (i.e., >20 years old) and sporadic newer data, which are particularly restricted to developed areas that are more easily accessible, such as roadside sites associated with forestry and mining operations. Most of the background data available are for larger lakes and rivers in the region, whereas data are more limited for small to medium sized waterbodies (MNR 2011).

Fish and mussel species were documented within each of the tertiary watersheds of the RSA (Attachment 6.6-A-3, Table 1 and Attachment 6.6-A-, Table 1) and a summary is presented below in Table 3.3-1. Common large-bodied fish species that occur within all watersheds of the RSA are detailed in Attachment 6.6-A-3, Table 1 and Attachment 6.6-A-, Table 1, and included: Brook Trout, Burbot, Cisco (*Coregonus artedi*), Lake Trout, Lake Whitefish, Northern Pike, Rock Bass, Sauger (*Sander canadensis)*, Shorthead Redhorse (*Moxostoma macrolepidotum)*, Smallmouth Bass (*Micropterus dolomieu)*, Walleye, White Sucker and Yellow Perch. Prevalent members of the small-bodied fish community included: Central Mudminnow (*Umbra limi*), Finescale Dace (*Chrosomus neogaeus)*, Brook Stickleback, Northern Redbelly Dace, and Pearl Dace (*Margariscus nachtriebi*), all of which have occurrence records in every watershed.

Table 3.3-1: Summary of Fish and Freshwater Mussel Species Occurrence Records per Tertiary Watershed of the RSA

Parameters	Fish	Mussels
Conservation Ranking: ESA	13	0
Conservation Ranking: SARA	9	0
Conservation Ranking: COSEWIC	29	0
North Lake Superior Shoreline Watershed	64	5
Kaministiquia River Watershed	70	9
Rainy Headwaters Watershed	54	4
Big Turtle River - Rainy Lake Watershed	63	8
Upper English River Watershed	45	4
Wabigoon River Watershed	52	6

Notes: ESA*: Endangered Species Act*; SARA: *Species at Risk Act*; COSEWIC: Committee on the Status of Endangered Wildlife in Canada.

Project criteria species such as Northern Pike and Walleye occupy a variety of habitat types and morphologies and are prevalent in the waterbodies across the RSA. Whereas Brook Trout and Lake Trout occupy specific habitats (i.e., clear cold water habitats), and aquatic SAR and SOCC are of conservation concern due to low abundances and/or habitat limitations. Consistent with the habitat preferences and provincial ranking statuses, the densities of the criteria fish, aquatic SAR and SOCC species (selected according to percentage of the total of each of the known occurrence records for the species across all water crossings) are listed below:

- Northern Pike: present within approximately 27% of water crossings
- Walleye: present within approximately 20% of water crossings
- Lake Trout: present within approximately 16% of water crossings
- Brook Trout: were present in approximately 10% of water crossings
- Aquatic SAR: present within approximately 2% of water crossings
- Aquatic SOCC: present within approximately <2% of water crossings

A list of all species with occurrence records within the RSA (Mandrak et al., unpublished information) is presented in Attachment 6.6-A-3, Table 1. The following species with records in the RSA were not recorded in background data within the LSA (i.e., 1 km of the alternative routes (i.e., LSA), nor were they captured during field investigations:

- Thirty-nine species are only found within Lake Superior (outside of the LSA) (Attachment 6.6-A-3, Table 1 and Attachment 6.6-A-4, Table 1).
- Seventeen species are found in the RSA but not within the LSA (Attachment 6.6-A-3, Table 1 and Attachment 6.6-A-4, Table 1): Allegheny Pearl Dace (*Margariscus margarita)* (this species listing occurs outside of its mapped range, but the record has been retained within this list as it was referenced in MNRF 2022a Aquatic Resource Area (ARA), Land Information Ontario [LIO]. Ontario Ministry of Natural Resources & Forestry. Queens Printer 2022), Banded Killifish (*Fundulus diaphanus*), Blackfin Cisco (*Coregonus nigripinnis*), Blackside Darter (*Percina maculata)*, European flounder (*Platichthys flesus)*, Fourhorn Sculpin (*Myoxocephalus quadricornis*), Gizzard Shad (*Dorosoma cepedianum*), Kiyi (Upper Great Lakes), Mooneye (*Hiodon tergisus)*, Northern Sunfish - Nelson River population, Pugnose Shiner, Pygmy Whitefish, Redfin Shiner (*Lythrurus umbratilis)*, River Chub (*Nocomis micropogon*), Ruffe (*Gymnocephalus cernua)*, Shortjaw Cisco and Shortnose Cisco; however, several of the species listed above or that are present in the historical records are substantially outside their known range or have had taxonomic changes since the records were documented (e.g., Allegheny Pearl Dace, Redfin Shiner[1], Johnny Darter x Tessellated Darter, Tessellated Darter, etc.).

Unique species within the dataset include fish and mussel species and only found within a single RSA watershed and include the following (Attachment 6.6-A-3, Table 1):

- North Lake Superior Shoreline: Coho Salmon (*Oncorhynchus kisutch*), Goldfish (*Carassius auratus*), Eastern Elliptio (*Elliptio complanata;* mussel), and Shortnose Cisco;
- Kaministiquia River: Blackside Darter, Brook Silverside (*Labidesthes sicculus*), Fourspine Stickleback (*Apeltes quadracus*), Threespine Stickleback (*Gasterosteus aculeatus)*, White Perch (*Morone americana*) and invasive species such as European Flounder and Ruffe;
- Rainy Headwaters: no unique species;
- Big Turtle-Rainy Lake: Banded Killifish, Black Bullhead (*Ameiurus melas)*, Greater Redhorse (*Moxostoma valenciennesi)*, and Tessellated Darter; however, it is likely that the Tessellated Darter record is a Johnny Darter since the record is substantially outside its known range (Holm et al 2021);
- Upper English River: River Darter (Saskatchewan - Nelson River populations); and
- Wabigoon River: no unique species.

A detailed list of historical and field occurrence records for each fish species by tertiary watershed, alternative route and water crossing is presented in Attachment 6.6-A-4, Table 1.

3.3.1 North Lake Superior Shoreline

The North Lake Superior Shoreline tertiary watershed includes a high diversity in fish species within the RSA, with occurrence records for 64 species (Attachment 6.6-A-3, Table 1). The large-bodied fish community includes, but was not limited to: Bass, Bullheads, Carp, Catfishes, Ciscos, Whitefish, Lampreys, Northern Pike, Salmon, Sunfishes, Trouts, Redhorses, Walleye, Suckers and Perch. The small-bodied fish community included, but was not limited to, various minnow (i.e., Leuciscidae), darter, and stickleback species.

A summary of the fish community for the watershed by each alternative route is presented in Table 3.3.1-1. Fish species occurrence records were available for 37 water crossings within the North Lake Superior Shoreline watershed. Criteria species were present in 31 waterbodies within the watershed. Background records of aquatic SAR were identified at 18 waterbodies, but mostly associated with Lake Superior. Records of aquatic SOCC were identified within this watershed in the background or field data at 14 crossings.

Table 3.3-2: Summary of Fish Community Metrics in the North Lake Superior Shoreline Watershed by Alternative Route Segment within the LSA

Watershed and Alternative Route	Total Number of Water Crossings	Total Number of Water Crossings Assessed	Number of Water Crossings with Fish Occurrence Records	Number of Waterbodies with Criteria Species Present	Number of Waterbodies with Aquatic SAR Species Present	Number of Waterbodies with Aquatic SOCC Species Present
North Lake Superior Shoreline	**79**	**23**	**37**	**31**	**18**	**14**
1	29	12	8	6	0	0
1A	10	2	1	1	0	0
1B-1/1B-2	39	9	28	23	18	14
2A	1	0	0	1	0	0

Note: Occurrence records of fish species potential presence was derived from a combination of background and field data; when both were present due to results of the field program, only a single occurrence was recorded for the water crossing.

Introduced and invasive species (e.g., Common Carp, Rainbow Smelt, Round Goby, etc.) were prevalent in the fish community records from this tertiary watershed and were typically associated with urban areas and Lake Superior (Section 3.3.1.12).

A total of 206 individuals representing four species of fish were captured/observed during the 2022 field survey (Attachment 6.6-A-3, Table 1.). Moderate numbers (i.e., <100 individuals) of Brook Stickleback, Common Shiner and Northern Redbelly Dace were captured during the field program, in comparison to high numbers (i.e., >100 individuals) of Finescale Dace. No aquatic SAR or SOCC listed under ESA or SARA or Project criteria species were captured or observed during the 2022 field survey.

3.3.2 Kaministiquia River

The Kaministiquia River tertiary watershed included a mixture of fish species that prefer cool and coldwater thermal regimes. The large-bodied fish community was comprised of American Eel, Black Crappie (*Pomoxis nigromaculatus*), Bass, Burbot, Cisco, Northern Pike, Suckers, Trout, Walleye, Whitefish, and Yellow Perch. The small-bodied fish community included a variety of minnow (i.e., Leuciscidae) and darter species (Attachment 6.6-A-3, Table 1).

A summary of the fish community for the watershed by each alternative route is presented in Table 3.3-3. Fish species occurrence records were available for 162 water crossings. Fish habitat for criteria species was identified for 125 waterbodies within the watershed. One watercourse within the RSA was identified as having habitat for American Eel (MNRF 2022a). Critical habitat was mapped for Lake Sturgeon (Great Lakes – Upper St. Lawrence population) in the Kaministiquia River, but no records occur upstream of Kakabeka Falls or within 5 km of any water crossings (CWF DFO 2022). SOCC habitats were identified within this watershed in the background data for Northern Brook Lamprey, Deepwater Sculpin, and Silver Lamprey within nine waterbodies.

Table 3.3-3: Summary of Known Fish Species Present within the Kaministiquia River watershed crossed by the Alternative Routes, 2022

Watershed and Alternative Route	Total Number of Water Crossings	Total Number of Water Crossings Assessed	Number of Water Crossings with Fish Occurrence Records	Number of Waterbodies with Criteria species Present	Number of Waterbodies with SAR Species Present	Number of Waterbodies with Aquatic SOCC Species Present
Kaministiquia River	**385**	**91**	**162**	**125**	**1**	**9**
1	91	16	29	23	0	4
1 / 1A	22	8	2	0	0	0
1 / 1C	112	31	50	40	0	3
1A	73	13	40	34	0	0
1B-1 / 1B-2	87	23	41	28	1	2

Note: Occurrence records of fish species presence was derived from a combination of background and field data; when both were present due to results of the field program, only a single occurrence was recorded for the water crossing.

A total of 1,307 individuals representing 18 species of fish were captured/observed during the 2022 field survey. Low numbers (i.e., <10 individuals) of Bluntnose Minnow, Brook Trout, Golden Shiner, White Sucker, and Unknown YOY were captured. Moderate numbers (i.e., >10 but <100 individuals) of Brook Stickleback, Central Mudminnow, Creek Chub, Dace spp., Fathead Minnow, Northern Pike, and Yellow Perch were also captured in comparison to high numbers (i.e., >100 individuals) of Blacknose Dace, Finescale Dace, Northern Redbelly Dace, and Pearl Dace. No listed aquatic SAR were captured or observed during the 2022 field survey. Brook Trout and Northern Pike are Project criteria species that were captured during the field survey within this watershed.

3.3.3 Rainy Headwaters

Background data indicate that the Rainy Headwaters tertiary watershed contains a mixture of fish species that prefer cool and coldwater thermal regimes including: Burbot, Cisco (*Coregonus artedi)*, Lake Trout, Lake Whitefish, Northern Pike, Sculpins, Trout-Perch (*Percopsis omiscomaycus*), Walleye, White Sucker and Yellow Perch. The small-bodied fish community was comprised of various minnow (i.e., Leuciscidae) and darter species (Attachment 6.6-A-3, Table 1. and Attachment 6.6-A-4, Table 1).

Occurrence records for criteria species were identified for 64 waterbodies within the watershed. Fish species occurrence records were available for 97 water crossings. Fish habitat for criteria species was identified for 64 waterbodies within the watershed. There were 13 records of Lake Sturgeon (an aquatic SAR) within the Rainy Headwaters that were identified within the background data (Dillon, 2020). However, there are no records of aquatic SOCC identified within this watershed in the background or field data. A summary of the fish community for the watershed by each alternative route is presented in Table 3.3-4.

Table 3.3-4: Summary of Fish Community Metrics within the Rainy Headwaters watershed by Alternative Route Segment within the LSA

Watershed and Alternative Route	Total Number of Water Crossings	Total Number of Water Crossings Assessed	Number of Water Crossings with Fish Occurrence Records	Number of Waterbodies with Criteria species Present	Number of Waterbodies with SAR Species Present	Number of Waterbodies with Aquatic SOCC Species Present
Rainy Headwaters	**203**	**69**	**97**	**64**	**13**	**0**
1	74	15	47	39	1	0
1 / 1C	106	46	38	13	10	0
1C	23	8	12	12	2	0

Note: Occurrence records of fish species presence was derived from a combination of background and field data; when both were present due to results of the field program, only a single occurrence was recorded for the water crossing.

A total of 1,040 individuals representing 11 species of fish were captured/observed during the 2022 field survey. Low numbers (i.e., <10 individuals) of Blacknose Dace, Creek Chub, Iowa Darter (*Etheostoma exile*), Pumpkinseed, and White Sucker were captured. Moderate numbers (i.e., >10 but <100 individuals) of Blacknose Shiner (*Notropis heterolepis*), Finescale Dace, Northern Pike, and Yellow Perch were also captured in comparison to high numbers (i.e., >100 individuals) of Central Mudminnow and Northern Redbelly Dace. No listed aquatic SAR were captured or observed during the 2022 field survey. Northern Pike, a Project criteria species, was captured during the field survey within this watershed.

3.3.4 Rainy Lake

The large-bodied fish community within the Rainy Lake tertiary watershed consisted of Black Bullhead, Brook Trout, Brown Bullhead (*Ameiurus nebulosus)*, Burbot (*Lota lota)*, Cisco, Lake Trout, Lake Whitefish, Muskellunge, Northern Pike, Pumpkinseed, Rainbow Trout, Shorthead Redhorse, Shortjaw Cisco, Smallmouth Bass, Walleye, White Sucker and Yellow Perch. The small-bodied fish community consisted of various minnow (i.e., Leuciscidae), darters, and stickleback species (Attachment 6.6-A-3, Table 1. and Attachment 6.6-A-4, Table 1).

A summary of the fish community for the watershed by each alternative route is presented in Table 3.3-5. Fish species occurrence records were available for 138 water crossings. Criteria species occurrence records were identified for 113 waterbodies within the watershed. No aquatic SAR or SOCC occurrence records were identified within this watershed in the background or field data (DFO 2022; NHIC 2022).

Table 3.3-5: Summary of Fish Community Metrics within the Rainy Lake watershed by Alternative Route Segment within the LSA

Watershed and Alternative Route	Total Number of Water Crossings	Total Number of Water Crossings Assessed	Number Water Crossings with Fish Occurrence Records	Number of Waterbodies with Criteria species Present	Number of Waterbodies with SAR Species Present	Number of Waterbodies with Aquatic SOCC Species Present
Rainy Lake	**287**	**99**	**138**	**113**	**0**	**0**
1	36	15	14	10	0	0
1 / 1C / 2A / 2C	3	0	1	1	0	0
1 / 1C / 2C	5	0	5	5	0	0
1C	19	13	8	5	0	0
1C / 2C	19	11	11	3	0	0
2A	29	9	10	7	0	0
2A / 2B / 2C	3	0	0	0	0	0
2A / 2C	18	7	6	5	0	0
2B	50	11	28	24	0	0
2B_V2	2	0	2	2	0	0
2C	56	19	24	24	0	0
3A	30	8	18	16	0	0
3B / 3C	17	6	11	11	0	0

Note: Occurrence records of fish species presence was derived from a combination of background and field data; when both were present due to results of the field program, only a single occurrence was recorded for the water crossing.

A total of 884 individuals representing 13 species of fish were captured/ observed during the 2022 field survey (Attachment 6.6-A-3, Table 1). Low numbers (i.e., <10 individuals) of Black Bullhead, Blacknose Shiner, Leuciscidae spp., and White Sucker were captured. Moderate numbers (i.e., >10 but <100 individuals) of Blackchin Shiner (*Notropis heterodon*), Brook Stickleback, Fathead Minnow, and Iowa Darter were also captured in comparison to high numbers (i.e., >100 individuals) of Central Mudminnow, Chrosomus sp., Finescale Dace, Northern Redbelly Dace and Pearl Dace. No listed aquatic SAR were captured or observed during the 2022 field survey. Northern Pike, a Project criteria species, was captured during the field survey within this watershed.

3.3.5 Big Turtle River-Rainy Lake

Big Turtle River-Rainy Lake tertiary watershed includes a mixture of large-bodied species such as: Brook Trout, Burbot, Cisco, Greater Redhorse, Lake Trout, Lake Whitefish, Pumpkinseed, Walleye, White Sucker and Yellow Perch (Attachment 6.6-A-3, Table 1). The small-bodied fish community consisted of various minnow (i.e., Leuciscidae) darters, sculpins, and stickleback species.

Fish species occurrence records were available for 182 water crossings. Occurrence records for Project criteria species (i.e., Brook Trout, Lake Trout, Northern Pike and Walleye) were identified for 159 waterbodies within the watershed. No aquatic SAR or SOCC occurrence records were identified within this watershed in the background or field data (DFO 2022; NHIC 2022). A summary of the fish community by watershed for each alternative route is presented in Table 3.3-6.

Table 3.3-6: Summary of Fish Community Metrics within the Big Turtle River-Rainy Lake watershed by Alternative Route Segment within the LSA

Watershed and Alternative Route	Total Number of Water Crossings	Total Number of Water Crossings Assessed	Number of Water Crossings with Fish Occurrence Records	Number of Waterbodies with Criteria species Present	Number of Waterbodies with SAR Species Present	Number of Waterbodies with Aquatic SOCC Species Present
Big Turtle River - Rainy Lake	**308**	**79**	**182**	**159**	**0**	**0**
3A	140	25	94	80	0	0
3B	46	15	28	26	0	0
3B / 3C	43	13	20	20	0	0
3C	79	26	40	33	0	0

Note: Occurrence records of fish species presence was derived from a combination of background and field data; when both were present due to results of the field program, only a single occurrence was recorded for the water crossing.

A total of 280 individuals representing 8 species of fish were captured/observed during the 2022 field survey. Low numbers (i.e., <10 individuals) of Central Mudminnow, Finescale Dace, Johnny Darter, and White Sucker were captured. Moderate numbers (i.e., >10 but <100 individuals) of Fathead Minnow, Lake Chub and Yellow Perch were also captured in comparison to high numbers (i.e., >100 individuals) of Pearl Dace. No aquatic SAR listed under ESA or SARA were captured or observed during the 2022 field survey. Northern Pike was the only Project criteria species that was captured during the field survey within this watershed.

3.3.6 Upper English River

Fish species in the Upper English River tertiary watershed within the LSA includes occurrence records for Lake Trout, Pearl Dace, Northern Pike, Walleye, White Sucker and Yellow Perch (Attachment 6.6-A-3, Table 1and Attachment 6.6-A-4, Table 1). A limited number of desktop occurrence records exist for this watershed (i.e., 4 records) and no fish were captured during the 2022 field surveys. It is recommended that additional surveys be completed in this area to capture more data to support permitting.

Fish species occurrence records were available for four water crossings. Occurrence records for Project criteria species were identified for four waterbodies within the watershed. No aquatic SAR or SOCC occurrence records were identified within this watershed in the background or field data (DFO 2022; NHIC 2022). A summary of the fish community for the watershed by each alternative route is presented in Table 3.3-7.

Table 3.3-7: Summary of Fish Community Metrics within the Upper English River watershed by Alternative Route Segment within the LSA

Watershed and Alternative Route	Total Number of Water Crossings	Total Number of Water Crossings Assessed	Number of Water Crossings with Fish Occurrence Records	Number of Waterbodies with Criteria species Present	Number of Waterbodies with SAR Species Present	Number of Waterbodies with Aquatic SOCC Species Present
Upper English River	**17**	**5**	**4**	**4**	**0**	**0**
3A	17	5	4	4	0	0

Note: Occurrence records of fish species presence was derived from a combination of background and field data; when both were present due to results of the field program, only a single occurrence was recorded for the water crossing.

During the 2022 field survey, fish community sampling was attempted at all five of the water crossings assessed within the Upper English River watershed. Of those five crossings, minnow traps were placed at one crossing (i.e., WC-2086) and electrofishing efforts were applied at two crossings (i.e., WC-3762 and WC-2085); however, it should be noted that efforts were restricted at WC-2085 due to high water velocity and safety considerations (i.e., recent and ongoing rainfall limiting the time that electrofishing could occur). The remaining sites were limited in water depth and were identified to have nil fish habitat potential. At the sites where fish community sampling occurred in the Upper English River watershed, no fish were captured.

3.3.7 Wabigoon River

Fish communities within the Wabigoon River tertiary watershed LSA consisted of a mix of species preferring cool and coldwater thermal regimes, although some species with warmwater preferences were present and included: Black Crappie, Brook Trout, Burbot, Cisco, Lake Trout, Lake Whitefish, Northern Pike, Quillback (*Carpiodes cyprinus)*, Rock Bass, Sauger, Shorthead Redhorse, Walleye, White Sucker and Yellow Perch (Attachment 6.6-A-3, Table 1 and Attachment 6.6-A-4, Table 1). The small-bodied fish community was comprised of various minnow (i.e., Leuciscidae) and darter species.

Fish species occurrence records were available for 85 water crossings. Occurrence records for Project criteria species were identified for 65 waterbodies within the watershed. No aquatic SAR or SOCC occurrence records were identified within this watershed in the background or field data (DFO 2022; NHIC 2022) A summary of the fish community for the watershed by each alternative route is presented in Table 3.3-8.

Table 3.3-8: Summary of Fish Community Metrics within the Wabigoon River watershed by Alternative Route Segment within the LSA

Watershed and Alternative Route	Total Number of Water Crossings	Total Number of Water Crossings Assessed	Number of Water Crossings with Fish Occurrence Records	Number of Waterbodies with Criteria species Present	Number of Waterbodies with SAR Species Present	Number of Waterbodies with Aquatic SOCC Species Present
Wabigoon River	**270**	**59**	**85**	**65**	**0**	**0**
3A	32	13	9	8	0	0
3A / 3B / 3C	67	9	8	16	0	0
3A / 3C	58	15	21	7	0	0
3B	55	10	13	15	0	0
3C	34	12	24	10	0	0
4	24	0	10	9	0	0

Note: Occurrence records of fish species presence was derived from a combination of background and field data; when both were present due to results of the field program, only a single occurrence was recorded for the water crossing.

A total of 338 individuals representing 11 species of fish were captured/observed during the 2022 field survey. Low numbers (i.e., <10 individuals) of Blacknose Shiner, Iowa Darter, Johnny Darter, Least Darter (*Etheostoma microperca*), Longnose Dace, and White Sucker were captured. Moderate numbers (i.e., >10 but <100 individuals) of Brook Stickleback, Fathead Minnow, Lake Chub and Northern Redbelly Dace were also captured in comparison to high numbers (i.e., >100 individuals) of Finescale Dace. No aquatic SAR or SOCC listed under ESA or SARA were captured or observed during the 2022 field survey. Northern Pike was the only Project criteria species that were captured during the field survey within this watershed.

3.3.8 Species at Risk

3.3.8.1 Lake Sturgeon

Lake Sturgeon are Ontario's largest and longest-lived fish species and can be traced back over 200 million years (Golder Associates Ltd. [Golder] 2011). The species has a rich history associated with Indigenous communities and was also commercially harvested between the late 1800s to mid-1900s throughout most of the species' range (Golder 2011; COSEWIC 2017a).

Population Status and Distribution

There are at least 229 waters (i.e., 128 lakes and reservoirs and 101 rivers) in Ontario that are known to support Lake Sturgeon (Kerr 2002). Once very abundant in the Great Lakes and large inland lakes and rivers in Ontario, many populations have rapidly declined due to habitat loss, overfishing, and declining water quality (Golder 2011). Two populations of Lake Sturgeon are still prevalent in the RSA in northern Ontario, the Great Lakes – Upper St. Lawrence population and the Saskatchewan - Nelson River population. The Great Lakes – Upper St. Lawrence population has been provincially ranked as Endangered and federally ranked by COSEWIC as Threatened but is not subject to the prohibitions under the federal SARA since it is not listed under Schedule 1. The Saskatchewan – Nelson River population has been provincially ranked as Threatened and federally ranked by COSEWIC as endangered (Attachment 6.6-A-3, Table 1); however, as with the Great Lakes – Upper St. Lawrence population, it is not subject to the prohibitions under the federal SARA since it is not listed under Schedule 1.

Lake Sturgeon occurrences were present in the background records in all of the tertiary watersheds within the RSA (Attachment 6.6-A-3, Table 1). All background records of Lake Sturgeon from the Great Lakes – Upper St. Lawrence population were located along the Alternative Route 1B-1/1B-2. All background records of Lake Sturgeon from the Saskatchewan – Nelson River population were located along Alternative Routes 1C and 1/1C. No Lake Sturgeon were observed or captured during the field program.

Habitat Selection and Use

Lake Sturgeon are migratory species that travel between several habitats to fulfill seasonal and life history stage requirements (Golder 2011). Habitat selection generally favours high quality shoal areas of large lakes and rivers at depths of 5 m to 10 m or more. Lake Sturgeon occupy

rivers characterized by a wide range of turbidity, dissolved oxygen, and clarity levels, and can withstand temperatures between 0°C and 30°C (COSEWIC 2017a).

Lake Sturgeon are bottom dwellers that have adapted to feeding over substrates of mud and gravel and have little competition with other bottom feeders (i.e., Lake Whitefish) as they inhabit different areas (Scott and Crossman 1973). They are filter-feeders that feed using their protruding tube-like mouth, on very small soft-bodied organisms as juveniles and a wide range of benthic organisms (i.e., clams, mussels, and crayfish) as adults (Scott and Crossman 1973; DFO 2010).

Lake Sturgeon spawn from early May to late June when water temperatures are between 13°C and 18°C. The age at which Lake Sturgeon reach sexual maturity ranges from 12 to 20 years in males and 20 to 30 years in females (Scott and Crossman 1973). Individuals generally begin migration from lakes not long after the ice melt, sometimes beginning their travel upriver under the ice, and continuing up to 400 km to reach spawning habitat (Scott and Crossman 1973). Spawning habitat is typically characterized by clean coarse substrates (i.e., cobble and gravel) and by the high flow found in rapids or at the base of waterfalls and dams (COSEWIC 2017a). In the lower Great Lakes, Lake Sturgeon are also known to spawn in the wave action around rocky ledges and islands. Directly after spawning, adults retreat to downstream habitats. Larval Lake Sturgeon hatch and drift downstream to a variety of habitats. YOY tend to favour shallow water with low velocity and exhibit nocturnal behaviour, actively feeding at night, and camouflaging into different substrate types (i.e., organic, cobble, and gravel) during the day when they are less active (Golder 2011). Overwintering begins in the early fall, where adults retreat to downstream portions of rivers or return to offshore habitats in lakes, remaining relatively immobile over the winter (Golder 2011).

Potential Lake Sturgeon spawning and migration habitat was identified within the LSA and RSA during the aerial reconnaissance survey for one watercourse. The Seine River contains two known spawning habitats for Lake Sturgeon in the lower portion of the Seine River, within the RSA (Haines 2017). Due to the presence of dams and the distance between the LSA and the known spawning habitat, the habitat quality and quantity at the identified location is limited. Rearing/nursery, feeding, overwintering and migratory potential was ranked for this species during the field program for the EA.

3.3.8.2 American Eel

American Eel play key ecological roles; small American Eels are valuable food sources for larger fish and fish-eating birds, larger eels are predatory and aid in population management of smaller fish; they also act as a mussel larvae host species (e.g., Eastern elliptio [*Elliptio complanata*]) (USFWS 2022a), affect community structure and supplement upstream habitats by sequestering and transporting nutrients (MacGregor et al. 2013). As reported by MNRF, American Eel have also been noted to play key cultural roles as highly valued species by Indigenous communities and European settlers (MacGregor et al. 2013).

Population Status and Distribution

American Eel is provincially ranked as Endangered and as critically imperiled (S1/S2 [NHIC 2022, NatureServe 2022]), whereas the species has no designation under SARA and COSEWIC ranks it as Threatened (Attachment 6.6-A-3, Table 1). This species' historical range includes all freshwater connected to the Atlantic Ocean, including within Canada (COSEWIC 2012). The American Eel historically occurred in the Ottawa and St. Lawrence rivers and Lake Ontario and its tributaries. Their range expanded to include lakes Erie, Huron and Superior and their tributaries after the creation of the Welland Canal in the early 1800's (Holm et al. 2021). (Despite being at-risk, American Eel are geographically widespread and have colonized the Great Lakes as far west as Thunder Bay (Great Lakes Fishery Commission 2022), including Current River and Thunder Bay Harbour (Northern Bioscience. 2012). American Eel have undergone local extirpations or substantial declines in many regions throughout their North American range, in contrast to their ability to colonize a variety of habitats over a large range.

American Eel were listed in the background records at 18 water crossings within the Northern Lake Superior Shoreline watershed and at one crossing location within the Kaministiquia River watershed, all of which are within Alternative Route 1B-1/1B-2... No American Eel were captured or observed during the field program.

Habitat Selection and Use

American Eel's preferred freshwater habitat includes all lakes and watercourses connected to Lake Superior (within the RSA) extending from the high-water mark down to at least 10 m depth (COSEWIC 2012). Female eel often inhabit headwater streams (MacGregor et al. 2013). While small eel tend to be found in faster flowing water, larger eel are associated with slow, deep, and muddy habitats (Fuller et al. 2022). American Eel are nocturnal species and take refuge during the daylight hours within rock cavities/interstitial spaces, muddy substrates and use aquatic grasses as cover (COSEWIC 2012). Eel generally do not demonstrate consistent preferences for habitat type, cover, substrate, or water temperature in freshwater watercourses and may also use freshwater ponds formed by dams. Overwintering areas may include mud and cobble substrates, but little is known about their overwintering habitats (COSEWIC 2012).

Juvenile eel's diet is primary insects, whereas the adult diet will include larger prey such as fish, fish eggs, crabs, worms, clams, frogs, and dead animal matter (fish and crustaceans) (Fuller et al. 2022).

American Eel may spend as little as three years, but up to 25 years, within freshwater watercourses prior to spawning. They then migrate thousands of kilometres from freshwater rivers and streams to the ocean to spawn, based on current understanding, in the Sargasso Sea in the Atlantic Ocean (Fuller et al. 2022). Spawning occurs after migration to the Sargasso Sea from late winter to late spring. Adults are believed to die after spawning. Eel larvae post hatch (Leptocephali) are carried to the Atlantic coast after about one year of drifting through sea currents, by which time they have metamorphosed into glass eel and are in the process of changing into yellow eel. The post-larval yellow eel are mainly bottom dwelling and find refuge

in burrows, plant masses, and snags (COSEWIC 2006). Since the species spawns only in the Sargasso Sea, no spawning areas were considered within the LSA or RSA, but rearing/nursery, feeding, overwintering and migratory potential was ranked for the EA.

3.3.9 Species of Conservation Concern

3.3.9.1 Lampreys

Lamprey play significant ecological and culturally important roles (Close et al. 2002). Lamprey contribute to the biodiversity and are prey for a variety of fish and terrestrial species. The ammocoetes are filter feeders and detritivores that recycle the organic mater and can have an impact on the physical and geochemical conditions in a stream (DFO 2016). Silver Lamprey have a parasitic adult phase, which can affect other fish species. Lamprey within the RSA include the species listed in Table 3.3-9 below and Attachment 6.6-A-3, Table 1.

Table 3.3-9: SOCC Lamprey Species with Occurrence Data within the RSA

Common Name	Scientific Name
Northern Brook Lamprey	*Ichthyomyzon fossor*
Silver Lamprey - Great Lakes - Upper St. Lawrence populations	*Ichthyomyzon unicuspis pop. 1*
American Brook Lamprey	*Lethenteron appendix*

Population Status and Distribution

Northern Brook Lamprey is found within the Great Lakes, with two SAR designable units in Ontario. The Saskatchewan – Nelson populations are undetermined (COSEWIC designation: Data Deficient), whereas the Great Lakes – Upper St. Lawrence populations have a COSEWIC designation of Special Concern; however, neither of the populations is regulated under Schedule 1 of SARA. It is also not protected by the prohibitions of the ESA since it is ranked Special Concern under that legislation. Within the North Lake Superior Shoreline watershed, Northern Brook Lamprey are known to occur within Black Sturgeon River, Nipigon River, Pearl River, Prairie River, Sibley Creek, Stokey Creek and some unnamed tributaries (DFO 2016). Northern Brook Lamprey occurrence records were recorded within 1 km of 18 crossing locations of the North Lake Superior Shoreline watershed for Alternative Route 1B-1/1B-2 and the Kaministiquia River watershed for Alternative Route 1 (MNRF 2022a).

Silver Lamprey have been documented through the Great Lakes, Lake Nipissing and the Saskatchewan – Nelson River watershed (COSEWIC 2009). Populations are known to occur in Big Carp River, Carp River, Pancake River and the Neebing-McIntyre River (COSEWIC 2009). Silver Lamprey – Great Lakes – Upper St. Lawrence populations, are listed as Special Concern under SARA, ESA and SARO. Silver Lamprey occurrences were recorded within 1 km of 15 water crossings, mostly within the North Lake Superior Shoreline watershed and one within the Kaministiquia River watershed for Alternative Route 1B-1/1B-2 (MNRF 2022a).

American Brook Lamprey are not designated under SARA, COSEWIC, ESA or SARO and have a provincially rare S3 conservation status (NHIC 2022, NatureServe 2022). American Brook Lamprey inhabit tributaries to Lake Superior within the RSA. American Brook Lamprey occurrence records exist for 14 water crossings within the North Lake Superior Shoreline watershed for Alternative Route 1B-1/1B-2.

A single juvenile lamprey of unknown species was observed during the 2022 field surveys. It is almost impossible to identify juvenile lampreys to species since they lack the morphological characteristics of the adult that facilitate identification.

Habitat Selection and Use

Juvenile habitats for all three lamprey species include coldwater habitats, where the ammocoetes burrow in soft substrates of silt and sand. They use larval drift to disperse and undertake migrations to upstream habitats for spawning upon maturity (DFO 2016).

Northern Brook Lamprey inhabit sand and gravel streams, with larger coarse substrates required for spawning as well as swift-flowing water. Adults spawn in the spring when water temperatures are between 13°C to 15°C (Holm et al. 2021) and die shortly afterwards.

Silver Lamprey adults are parasitic, feeding off the host fish for 12 to 20 months before migrating upstream to spawn when water temperatures near 18°C (Holm et al. 2021) and die shortly after (MECP 2021). Silver Lamprey require clear water to find fish hosts, larvae require clean stream beds of sand and organic debris, and unrestricted migration routes for spawning (MECP 2021). Silver Lamprey, because of the parasitic phase, are more mobile and able to colonize more watercourse habitats due to the movement of their hosts (DFO 2016).

American Brook Lamprey inhabit cool, small to medium sized watercourses with clear water with substrates from sand to gravel. Spawning occurs during April and May, at water temperatures ranging from 12°C to 17°C and nests are constructed in gravel and cobble substrate just upstream of riffles (Holm et al. 2021 and Mundahl and Sagan 2005).

3.3.9.2 Coaster Brook Trout

Coaster Brook Trout are a lake dwelling and ecotype or life history variant of local Brook Trout (*Salvelinus fontinalis*) (Wilson et al. 2008). Coaster Brook Trout play important roles in the Great Lakes fish community and were historically popular with anglers due to their large body size (Meek 2022). Coaster Brook Trout were identified as having local significance in the Thunder Bay area within the tributary watercourses of Lake Superior (Bobrowicz 2014).

Population Status and Distribution

Coaster Brook Trout of Lake Superior migrate to tributary rivers to spawn and are larger than stream dwelling Brook Trout (National Park Services 2022). Coaster Brook Trout occurrence records are documented in ≥ 118 tributaries of Lake Superior. Within the LSA, Coaster Brook Trout are known to occur in Lake Superior and Wild Goose Creek (Golder 2020, Mucha and

Mackereth 2008; Bobrowicz 2014) that may interact with Alternative Route 1/1C/2A/2C. No Coaster Brook Trout were captured or observed during the field program.

This species is of local concern due to the unique ecotype and is of conservation concern resulting from overfishing, forestry, mining, and hydro-electric dam pressures that have reduced populations (Huckins et al. 2008, MNRF 2017). Coaster Brook Trout are not afforded protection under SARA, ESA or SARO. Populations of Coaster Brook Trout are limited to Lake Superior and occur both in Canada and the United States.

A Coaster Brook Trout occurrence record exists for one water crossing within the North Lake Superior Shoreline watershed for Alternative Route 1A.

Habitat Selection and Use

Knowledge on Coaster Brook Trout habitat selection and use is limited, although it is anticipated to be relatively consistent with typical Brook Trout preferences. Spawning is known to occur in October and November, when spawning beds are created in silt-free gravel and well oxygenated tributary streams (National Park Services 2022). Because of their larger size, there is increased predation of smaller fish species.

3.3.9.3 Deepwater Sculpin - Great Lakes - Western St. Lawrence Populations

Deepwater Sculpin are an ecologically important benthic dwelling species in deep lake ecosystems. They prey on invertebrates, crustaceans, and fish eggs; as well, they are prey for large-bodied fish. Deepwater Sculpin are important coldwater species due to their habitat restrictions to deep/cold lakes, their rarity, and the limited range they occupy.

Population Status and Distribution

Deepwater Sculpin occur in the former glacial regions of Canada including the Great Lakes. Several other populations have been defined outside Ontario. In Ontario, the Great Lakes – Western St. Lawrence populations are ranked as Special Concern under SARA Schedule 1 but hold a provincial rank of S3 (NHIC 2022, NatureServe 2022) and SARO has deemed them Not at Risk (COSARRO 2017). Therefore, they are not protected by the provincial ESA. These species are widespread in Canada, but their distribution has been difficult to record because of the remote nature of most of the potential habitat locations as well as their considerable depths (COSEWIC 2017b). Most occurrence records are in the form of bycatch and not due to targeted sampling of the species. There is a high probability that Deepwater Sculpin also inhabit other deep remote lakes. They were recently found in Eagle and Teggau Lakes in Northwestern Ontario (west of Dryden) where they have not previously been recorded (COSEWIC 2017b). DFO Aquatic Species at Risk mapping also included records for Deepwater Sculpin in lakes south of the Shebandowan Lakes, near and within Lake Superior (DFO 2022). According to the ROM Field Guide to Freshwater Fishes of Ontario, their northern Ontario range includes Lake Superior, Quetico Park, and a stretch from Kenora to north of Thunder Bay (Holm et al. 2021).

Deepwater Sculpin were identified in the background data, 1 km from connecting habitat with Middle Shebandowan Lake in the Kaministiquia River watershed along Alternative Route 1/1C as well as within Lake Superior (DFO 2022 and ROM 2016) at the eastern extent of Alternative Route 1A/1B/1C. Deepwater Sculpin occurrence records exist for 1 water crossing within the Kaministiquia River watershed for Alternative Route 1/1C. No Deepwater Sculpin were captured or observed during the field program.

Habitat Selection and Use

Deepwater Sculpin prefer deep (e.g., >50 m), cold, highly oxygenated freshwater glacial lakes, as they are bottom-dwelling species that only occur in lake environments (COSEWIC 2017b). Sculpin in Lake Superior were commonly captured at depths greater than 70 m and up to 407 m (Selgeby 1988). Preferred water temperature is <7°C. Dissolved oxygen needs for Deepwater Sculpin fall within the CCME CWQG for coldwater (i.e., >6.5 mg/L) with a preference for dissolved oxygen levels >10 mg/L (COSEWIC 2017b).

The spawning and larval development period for Deepwater Sculpin is unknown but spawning is expected to occur in Lake Superior from late November to mid-May, peaking in January (Selgeby 1988), with larval movements to the inshore areas of lakes in the spring and to deeper waters again by the fall.

Deepwater Sculpins' diets are largely composed of relict crustaceans *Mysis relicta* and *Diporeia* spp. Chironomid larvae are also regularly found in the diet and zooplankton compose the primary diet of the larval stage (COSEWIC 2017b). Deepwater Sculpin are an important prey item in the diet of predators, such as Lake Trout and Burbot (Scott and Crossman 1973). The ecological requirements of the species limits dispersal and migration among inland lakes.

3.3.11 Criteria Species

3.3.11.1 Lake Trout

Lake Trout are a native sport and commercial fish species with socio-economical importance and the only major species adapted to oligotrophic lakes (MNRF 2019). As top predator species they hold ecological importance in maintaining healthy and balanced food webs (USFWS 2022b).

Population Status and Distribution

Lake Trout are found throughout Canada and Ontario, across the RSA and LSA and are considered a provincially secure species (i.e., SRank 5) despite rarity of Lake Trout lakes in Ontario (MNRF 2019) (Attachment 6.6-A-3, Table 1). Lake Trout occurrence records were present in the background records of all alternative routes within the LSA and were most common in the Big Turtle River – Rainy Lake and Kaministiquia River watersheds. No Lake Trout were captured or observed during the field program.

Habitat Selection and Foraging

Lake Trout prefer oligotrophic lakes that have characteristically low nutrient levels, high dissolved oxygen levels, and typically deep areas with very cold water (10°C; Janoscik 2001).

Lake Trout live mostly in large, deep lakes, though occasionally they are found in shallower bodies of water and large rivers (DFO 2016). Juvenile Lake Trout avoid deeper colder habitats occupied by adults to avoid cannibalism and are often restricted to water temperatures between 3°C to 7°C and low oxygen between 2 mg/L and 6 mg/L during mid-summer (Janoscik 2001).

Lake Trout are fall spawning species that are reliant upon temperature and length of daylight as spawning cues. Spawning occurs in shallows barely deep enough to cover the fish, down to 55 m, over a variety of surfaces but typically larger rubble/cobble/small boulder shoals (Marcus et al. 1984). Newly hatched trout may make vertical migrations to the surface, but fry migrate from the spawning area within a month of hatching to deeper areas of the lake. YOY fish and older Lake Trout inhabit the deeper waters (Marcus et al. 1984).

Lake Trout are generalized predators that take advantage of the most abundant food available including plankton, insects, fish or small terrestrial animals (Marcus et al. 1984). Adult Lake Trout exhibit seasonal variation in their diet and foraging behaviour. Spring diets consist of littoral organisms, while the summer diets are mainly pelagic prey fish (e.g., Cisco) (Janoscik 2001). Opossum shrimp (*Mysis relicita*) are an important food source that all size classes consume (Marcus et al. 1984). Smallmouth Bass presence may reduce the amount of prey available in shallow lake areas and limit foraging activity and habitat use (Janoscik 2001).

Lake Trout are highly mobile and make both horizonal and vertical movements in their range in response to various abiotic and biotic factors (Marcus et al. 1984). They can travel vast distances in large lakes in search of prey, particularly in the spring and fall, and are considered nomadic (Janoscik 2001).

3.3.11.2 Brook Trout

Brook Trout are a socio-economically, recreationally, and ecologically important species that are a food source, a highly sought-after sportfish and contribute to biodiversity of the ecosystem as a top level predator. Additionally, they can be viewed as ecosystem health indicators since their habitat suitability requirements include the need for clear, cold, groundwater fed streams and lakes (MNRF 2017) that have very little anthropogenic influence such as chemical pollutants.

Population Status and Distribution

Brook Trout are commonly found throughout Ontario, with smaller populations found in FMZ 4, 5 and 6 within the waterbodies of the LSA (MNRF 2017). Brook Trout are a provincially secure species (i.e., SRank 5) (NHIC 2022, NatureServe 2022) (Attachment 6.6-A-3, Table 1). Brook Trout records in FMZ6 were reduced to <37 Brook Trout Lakes from the previously reported 105 lakes in 1980 (MNRF 2017). Brook Trout occurrence records were present in the background records of all alternative routes within the LSA and were most common in the Kaministiquia River and Big Turtle River-Rainy Lake watersheds. Six Brook Trout were captured at a single water crossing (WC-1153) during the 2022 field program.

Habitat Selection and Foraging

Brook Trout's relative adaptability and diversity span a variety of conditions (i.e., various stream sizes, lakes, ponds, headwaters, and tributaries), although populations are declining due to environmental constraints and degraded stream conditions (Hoxmeier et al. 2015).

Habitat preferences include headwater spring ponds and small spring-fed streams that have cool, clear waters with sand and gravel bottoms and moderate amounts of vegetation (Minnesota Department of Natural Resources [MDNR] 2022). They are also known to congregate behind beaver dams. Juvenile Brook Trout have a high affinity for instream cover objects (i.e., rubble substrate rather than overhead cover (i.e., riparian plants) (Raleigh 1982).

Brook Trout are opportunistic predators (Raleigh 1982). Juvenile Brook Trout consume mainly small insects, while adult or larger Brook Trout consume many types of aquatic insects (i.e., sideswimmers, snails, and worms) as well as small-bodied fish.

Spawning occurs yearly in the fall at temperatures between 4.5°C to 10°C. Riverine Brook Trout have limited migratory movements to headwater streams or tributaries for spawning. Spawning typically occurs in well oxygenated riffles over a silt-free gravel nest known as a redd; however, areas that provide groundwater upwellings are preferred (Raleigh 1982). Spawning success is reduced by fine sediment and decreased oxygen concentrations. Riffle-run-pool habitats with deep water, well-vegetated stream banks, abundant instream cover and stable flow, temperature and banks are preferred for rearing, foraging and resting (Raleigh 1982). For this reason, headwater ephemeral streams provide important rearing habitats for Brook Trout (MNRF 2021)

Lake-dwelling Brook Trout habitat includes oligotrophic clear, cold lakes and ponds with hydrological stream connections for spawning but may spawn in gravel areas with upwelling (Raleigh 1982).

Adult Brook Trout overwinter in deeper pool or lake habitats with cover, commonly in aggregations. In watercourses, older adults occupy faster and deeper water than juveniles (Cunjak and Power 1986). Trout fry overwinter in low velocity shallow areas with rubble substrates (Raleigh 1982).

3.3.11.3 Northern Pike

Northern Pike were chosen as a Project criteria species due to their predatory success, tolerance to a variety of environmental conditions and wide distribution across the study area. Northern Pike provide a valuable contribution to the recreational fishery as well as occupying an important position in the food chain as an apex predator.

Population Status and Distribution

Northern Pike are a widely distributed species throughout Ontario, were present in all tertiary watersheds within the RSA and are considered a provincially secure species (i.e., SRank 5) (NHIC 2022) (Attachment 6.6-A-3, Table 1). Northern Pike occurrence records were present in the background records of all alternative routes within the LSA and were most common in the Rainy Lake and Big Turtle River-Rainy Lake watersheds. Northern Pike were captured at six water crossings during the 2022 field program.

Habitat Selection and Foraging

Northern Pike inhabit a wide range of waterbody types from headwater streams to nearshore waters (Holm et al. 2021). Northern Pike are primarily found in shallow, moderately productive, vegetated waters, at depths less than 4 m, with a preference for nearshore habitat, vegetated side channels, sloughs, and backwaters (Harvey 2009). Aquatic vegetation is key in all life stages of Northern Pike and is necessary to provide camouflage and cover for hunting and concealment. Adults are usually found in clear water with at least 30% aquatic vegetation cover (Casselman 1995).

Northern Pike are ambush predators, and opportunistic feeders (Holm et al. 2021). Juvenile Northern Pike feed on large zooplankton and aquatic insects as well as small fishes, while adults feed on whatever is readily available including, frogs, leeches, crayfish, mice, muskrats, ducks, but primarily fishes (Holm et al. 2021; Harvey 2009). Cannibalism can also occur when food sources are low, which acts as a natural population control mechanism (Harvey 2009).

Spawning occurs in early spring under ice conditions or after ice melt when water temperatures reach 5°C (Holm et al. 2021). Spawning areas are often located within tributaries, typically shallow, slow-moving waters with heavily vegetated floodplains of streams or lakes (Harvey 2009). Spawning migrations vary between individuals and populations in that some travel tens of kilometres while others travel hundreds of kilometres to ideal spawning locations; however, there is no evidence supporting homing to particular spawning grounds, only to relevant suitable

habitat (Harvey 2009). Eggs are attached to vegetation and hatch in about two weeks. There is no parental care, and no nests are built(Holm et al. 2021).

During the summer season, Northern Pike move to deeper, cooler water becoming more active and feeding nocturnally. In the winter as the oxygen concentrations and water temperatures decrease, Northern Pike stay closer to the surface and increase their activity and feeding during the day. Northern Pike are less active below 6°C and stop feeding as oxygen drops below 2 mg/L (Casselman 1995).

3.3.11.4 Walleye

Walleye are a native freshwater fish that contribute a valuable socio-economic benefit by supporting substantial recreational and commercial fisheries. Walleye play significant roles in lake systems as a main predator that helps structure smaller fish and invertebrate communities (Pandit et al. 2013).

Population Status and Distribution

Walleye are widely distributed throughout Canada, forming a dominant portion of fisheries, specifically in the boreal forest zone, including in Ontario (Scott and Crossman 1973). They are present in all tertiary watersheds within the RSA and are considered a provincially secure species (i.e., SRank 5 [NHIC 2022, NatureServe 2022]) (Attachment 6.6-A-3, Table 1). Walleye occurrence records were present in the background records of all alternative routes within the LSA and were most common in the Big Turtle River – Rainy Lake and Rainy Lake watersheds. No Walleye were captured or observed during the field program.

High demand in the recreational angling community has driven dramatic Walleye range expansions in Ontario through stocking, intended to enhance the fish community in suitable waterbodies where passage barriers may have impeded natural migration (Hartman 2009). Northern Ontario populations are considered more abundant relative to southern Ontario due to a lower rate of stressors (i.e., angling pressure, shoreline alteration, agricultural contaminants, and introduction of invasive species) (MNRF 2016a).

Habitat Selection and Foraging

Walleye are known to tolerate a vast range of environmental parameters (Scott and Crossman 1973 and Holm et al. 2021). Walleye are known to prefer moderate to large sized lakes (i.e., >100 ha) and river systems with moderate amounts of nutrients and extensive shorelines (McMahon et al. 1984). Areas consisting of clean, rocky substrate with shallow to moderate depth and no turbidity with an overall coolwater thermal regime are known to have the highest number of Walleye in lake systems and, when these conditions are present, also provide optimal habitat in riverine systems (McMahon et al. 1984). In deeper lakes, Walleye are often found in the upper water layers of a lake; and slightly deeper areas in clear lakes that provide suitable refuge during times of high light intensity (Kitchell et al. 1977).

Walleye are extremely sensitive to light, and most feeding activity occurs at dawn and dusk (Hartman 2009; Kitchell et al. 1977). In clear deep lakes, nocturnal feeding has also been

observed when forage species are abundant (McMahon et al. 1984). The diet of Walleye undergoes shifts with growth, beginning with zooplankton in fry, shifting to benthic invertebrates, then a fish diet when mouth size allows, preying upon whatever species may fit (McMahon et al. 1984). Cannibalism is commonly observed in Walleye.

Walleye spawn in the late spring (May to June) when water temperatures are >2°C (Holm et al. 2021). Spawning occurs at night (Scott and Crossman 1973). Walleye are broadcast spawners and prefer shallow gravel or cobble (Hartman 2009). They will spawn in mouths of watercourses, along shorelines, sand bars, in cobble and boulder, in riffles, in tributaries at the base of falls and over broken rocks. In lakes they prefer areas with wave action, shallow bays, and rocky shoals (Hartman 2009, Holm et al 2021). Lake dwelling Walleye have moderate migration lengths with most migrations being less than 25 km to reach spawning habitat. Rearing habitat requires well oxygenated, clean, firm, gravel substates (Hartman 2009).

During non-spawning times adult fish may move into deeper water to seek colder and/or darker habitats. Adults overwinter in deeper habitats and winter water temperatures affect the success of egg maturing (i.e., needs to be below 10°C) (Hartman 2009).

3.3.12 Freshwater Mussel Species

Freshwater mussel species are an important part of aquatic ecosystems, providing water filtration and food sources for other animals. Freshwater mussels are considered ecosystem health indicators and suitable study organisms as they have long lives, are filter feeders, are relatively sessile and are vulnerable to changes within their habitat such as pollution, changing water levels, temperature and invasive species (Toronto Zoo and DFO 2022). Freshwater mussels are considered fish under the *Fisheries Act* and are afforded similar protection from death by means other than fishing and in-habitat disturbances (Government of Canada 1985).

A background review was completed of potential mussel species, whereby species with ranges overlapping the study area or recent occurrence records in the vicinity were screened by comparing their habitat requirements to broadly existing habitat conditions within the RSA. The potential for the species to occur was determined through a probability of occurrence.

Population Status and Distribution

In general, there is limited information available on freshwater mussel distributions in Ontario. However, there were no mussels documented in the study area (Toronto Zoo and DFO 2022, DFO 2022 and MNRF 2020b), although the Fish and Fish Habitat RSA contained a variety of habitat morphology types and waterbody types that possessed a range of habitat qualities suitable to support freshwater mussels.

Of the 41 endemic species of mussels in Ontario, 10 species have distribution ranges that overlap the RSA (Metcalfe et al. 2005) (Table 3.3-10). No federally or provincially significant species (i.e., SAR or SOCC) have known ranges within the LSA (Table 3.3-10 and Attachment 6.6-A-3, Table 1) (Metcalfe-Smith et al. 2005 and DFO 2022). All species listed are common and native to Ontario (NHIC 2022).

Habitat Selection and Use

The habitat preferences for the ten species with ranges overlapping the RSA are summarized in Table 3.3-10, and include a variety of stream, river, pond, and lake habitats.

Table 3.3-10: Freshwater Mussels with Potential to Occur in the LSA

Common Name	Scientific Name	Habitat Preference
Black Sandshell	*Ligumia recta*	Medium-sized to large rivers in riffles or raceways in gravel or firm sand and occasionally mud; often in very shallow water.
Creek Heelsplitter	*Lasmigona compressa*	Small streams and the headwaters of small to medium-sized rivers in fine gravel or sand.
Creeper	*Strophitus undulatus*	Small to medium-sized streams or occasionally large rivers in mud, sand or fine gravel in a range of flow conditions.
Cylindrical Papershell	*Anodontoides ferussacianus*	Small, slow-moving streams and the headwaters of large streams in silt or mud or sometimes sand; occasionally in lakes or large rivers.
Eastern Elliptio	*Elliptio complanata*	Virtually any permanent pond, lake, stream, or river in all types of substrate including gravel, sand, clay, and mud.
Fatmucket	*Lampsilis siliquoidea*	Small to medium-sized streams in clay, mud, sand or gravel often in very shallow waters along the margins of pools; also occurs in lakes; frequently abundant.
Flutedshell	*Lasmigona costata*	Small to large rivers in a variety of substrates but preferring coarse gravel and sand in areas with moderately strong current.
Giant Floater	*Pyganodon grandis*	Small streams to large rivers in backwaters with little or no current in clay, silt, or mud and in lakes, wetlands, ponds, and reservoirs.
Pink Heelsplitter	*Potamilus alatus*	Medium-sized and large rivers in mixed mud, sand and gravel; especially abundant in quiet backwaters.
White Heelsplitter	*Lasmigona complanata*	Small streams to medium-sized rivers, lakes and reservoirs in quiet water on sandy or muddy substrates; tolerant of disturbance.

Source: Metcalfe-Smith et al. 2005

No field surveys specifically targeting the presence of freshwater mussel species were undertaken. No incidental observations of mussels or shells were recorded by the field crews during the surveys; however, they were tasked with recording observations if they incidentally observed mussels or shells while conducting habitat and fish community assessments. As such, the confidence in the data available is low and the potential for occurrence was assessed conservatively.

3.3.13 Invasive and Introduced Species

Invasive species are defined as harmful alien species whose introduction or spread threatens the environment, the economy, or society, including human health. Established invasive species are extremely difficult and costly to control and eradicate, and their ecological effects are often irreversible (OMNR 2012).

Aquatic invasive species records within the RSA are limited from the lack of occurrence records, although the following list is provided in Table 3.3-11 (EDDMaps 2022). All invasive species with potential to occur may not be limited to those listed below. Thirty occurrence records are available for invasive fish species within the Kenora District and 118 within the Thunder Bay District of Ontario. No invasive species records are available for the Fort Frances District. Field precautions were taken to avoid the transfer of invasive species between water crossings, which included the use of disinfection procedures. No invasive species were observed or captured during the 2022 field survey.

Table 3.3-11: Invasive Species with Established Records or with Occurrence Data within the RSA

Common Name	Scientific Name
Alewife	*Alosa pseudoharengus*
Asian Clam	*Corbicula fluminea*
Common Carp	*Cyprinus carpio*
Curly leaf pondweed	*Potamogeton crispus*
Eurasian Ruffe (Ruffe)	*Gymnocephalus cernuus*
European Flounder	*Platichthys flesus*
European frog-bit	*Hydrocharis morsus-ranae*
Fourspine Stickleback	*Apeltes quadracus*
Freshwater jellyfish	*Craspedacusta sowerbyi*
Goldfish	*Carassius auratus*
New Zealand Mudsnail	*Potamopyrgus antipodarum*
Quagga Mussel	*Dreissena bugensis*
Reed canarygrass	*Phalaris arundinacea*
Round Goby	*Neogobius melanostomus*
Rusty Crayfish	*Orconectes rusticus*
Sea Lamprey	*Petromyzon marinus*
Spiny waterflea	*Bythotrephes longimanus*

Common Name	Scientific Name
Threespine Stickleback	*Gasterosteus aculeatus*
Tubnose Goby	*Proterorhinus semilunaris*
Zebra mussel	*Dreissena polymorpha*

Source: EDDMaps 2022, OFAH 2014

Most of the fish species in the LSA were considered native to Ontario; however, several species may have been introduced (i.e., are non-native species that have become established in ecosystems outside their natural historic range as a result of human actions) and since naturalized (i.e., introduced species that has become established in the ecosystem) in the RSA. Native populations of Brook Trout are present in North Lake Superior Shoreline and Kaministiquia River watersheds, although some stocking also occurred (OMNR 2009). Brook Trout were introduced in Wabigoon River and Upper English River tertiary watersheds. Rainbow Trout are considered introduced throughout Ontario and may be present in the Wabigoon River and southern portion of the Upper English River tertiary watersheds. Brown Trout (*Salmo trutta*) were introduced to Arrow River in 1980s, some Brown Trout are occasionally caught in the tributaries of Lake Superior within FMZ 6 (OMNR 2009). Smallmouth Bass are considered native in Lake Superior and lakes were stocked around the Thunder Bay area; they have since become naturalized in the Wabigoon and Upper English River tertiary watersheds but are introduced to the northeast portion of the Upper English River tertiary watershed. Walleye, Splake (a hybrid of Lake Trout and Brook Trout) and Lake Trout are considered native in the LSAs but may have been introduced as sport fish to waterbodies in the LSA. Rainbow Smelt (*Osmerus mordax),* considered an invasive species, have been introduced into the Wabigoon River and Upper English River watersheds and since considered naturalized, are present in all of the RSA watersheds (Attachment 6.6-A-3, Table 1) (MNR 2012b). Largemouth Bass (*Micropterus salmoides)* and Black Crappie are considered introduced (MNR 2012b). White Perch invaded Lake Ontario in 1950 and subsequently the Great Lakes and nearshore tributaries of the RSA and are now considered naturalized (Holm et al. 2021).

4.0 References

Bobrowicz, S. 2014. Personal Communications with Dillon Consulting Limited. Ontario Ministry of Natural Resources and Forestry.

Canada (Government of Canada). 1985. *Fisheries Act.* R.S.C. 1985, c. F-14. Current to December 31, 2016. Last amended on April 5, 2016. Minister of Justice. Ottawa, ON. Accessed April 21, 2023. Available at https://www.laws-lois.justice.gc.ca/PDF/F-14.pdf.

Canada (Government of Canada). 2002. *Species at Risk Act*. S.C. 2002, c. 29. Current to April 4, 2023. Last amended on February 3, 2023. Accessed April 21, 2023. Available at https://www.laws-lois.justice.gc.ca/PDF/S-15.3.pdf.

Canada (Government of Canada). 2021. Pygmy Whitefish (*Prosopium coulterii*), Great Lakes - Upper St. Lawrence populations. Accessed April 21 2023. Available at https://species-registry.canada.ca/index-en.html#/species/1338-968.

Canadian Wildlife Federation and Fisheries and Oceans Canada (DFO). 2022. Canadian Aquatic Barriers Database. Accessed April 21 2023. Available at https://aquaticbarriers.ca/.

Casselman, J.M. 1995. Age, growth, and environmental requirements of pike. In: J.F. Craig, editor, Pike: biology and exploitation. Chapman and Hall, London. pp. 69-101.

CCME (Canadian Council of Ministers of the Environment). 1999. Canadian Environmental Quality Guidelines. Winnipeg MB: Canadian Council of Ministers of the Environment. Accessed April 21, 2023. Available at http://ceqg-rcqe.ccme.ca/en/index.html.

Close, D.A., Fitzpatrick, M.S., & Li, H.W. 2002. Traditional ecological knowledge of Pacific lamprey (*Entophenus tridentatus*) in northeastern Oregon and southeastern Washington from Indigenous people of the confederated tribes of Umatilla Indian reservation. J. Northwest Anthropology, 38, 14-16.

COSEWIC. 2003. COSEWIC Assessment and Update Status Report on the Shortjaw Cisco *Coregonus zenithicus* in Canada Updated November 26, 2020. Accessed April 21, 2023. Available at https://wildlife-species.canada.ca/species-risk-registry/virtual_sara/files/cosewic/sr_shortjaw_cisco_e.pdf.

COSEWIC. 2005. COSEWIC assessment and update status report on the Lake Ontario kiyi *Coregonus kiyi orientalis* and Upper Great Lakes kiyi *Coregonus kiyi kiyi* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 17 pp. Accessed April 21, 2023. Available at https://www.sararegistry.gc.ca/virtual_sara/files/cosewic/sr_kiyi_e.pdf.

COSEWIC 2006. COSEWIC assessment and status report on the American eel *Anguilla rostrata* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 71 pp. Accessed April 21, 2023. Available at www.sararegistry.gc.ca/status/status_e.cfm.

COSEWIC. 2007. COSEWIC Assessment and Update Status Report on the Northern Brook Lamprey *Ichthymyzon fossor*. Great Lakes-Upper St. Lawrence populations, Saskatchewan-Nelson Population in Canada. Accessed: April 21, 2023. Available at https://www.sararegistry.gc.ca/virtual_sara/files/cosewic/sr_ichthyomyzon_fossor_e.pdf

COSEWIC. 2009. COSEWIC assessment and status report on the Silver Lamprey *Ichthyomyzon unicuspis* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 42 pp. . Accessed April 21, 2023. Available at https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry/cosewic-assessments-status-reports/silver-lamprey-2011.html.

COSEWIC. 2011. COSEWIC Assessment and Status Report on the Silver Lamprey *Ichthyomyzon unicuspis* Great Lakes-Upper St. Lawrence populations Saskatchewan-Nelson River populations inn Canada. Accessed: April 21, 2023. Available at https://sararegistry.gc.ca/virtual_sara/files/cosewic/sr_silver_lamprey_0911_eng.pdf

COSEWIC. 2012. COSEWIC assessment and status report on the American Eel *Anguilla rostrata* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xii + 109 pp. Accessed April 21, 2023. Available at https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry/cosewic-assessments-status-reports/american-eel-2012.html.

COSEWIC. 2013. COSSARO Candidate Species at Risk Evaluation for Pugnose Shiner (*Notropis anogenus*) Committee on the Status of Species at Risk in Ontario (COSSARO) Assessed by COSSARO as THREATENED June 2013 Final. Accessed April 21, 2023. Available at http://cossaroagency.ca/wp-content/uploads/2017/06/Final-COSSARO-Evaluation-Pugnose-Shiner_GFM-FINAL-s.pdf.

COSEWIC. 2016. COSEWIC assessment and status report on the Pygmy Whitefish Prosopium coulterii, Southwestern Yukon Beringian populations, Yukon River populations, Pacific populations, Western Arctic populations, Great Lakes – Upper St. Lawrence populations, Waterton Lake populations and Saskatchewan - Nelson Rivers populations in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xxxvi + 69 pp. Accessed April 21, 2023. Available at https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry/cosewic-assessments-status-reports/pygmy-whitefish-2016.html.

COSEWIC. 2017a. COSEWIC assessment and status report on the Lake Sturgeon Acipenser fulvescens, Western Hudson Bay populations, Saskatchewan-Nelson River populations, Southern Hudson Bay James Bay populations and Great Lakes-Upper St. Lawrence populations in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xxx + 153 pp. Accessed April 21, 2023. Available at http://www.registrelepsararegistry.gc.ca/default.asp?lang=en&n=24F7211B-1.

COSEWIC. 2017b. COSEWIC assessment and status report on the Deepwater Sculpin Myoxocephalus thompsonii, Great Lakes-Upper St. Lawrence populations, Southern Hudson Bay-James Bay populations, Saskatchewan-Nelson River populations, Waterton Lake population, Western Hudson Bay populations and Western Arctic populations in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xxxvii + 61 pp. Accessed April 21, 2023. Available at http://www.registrelepsararegistry.gc.ca/default.asp?lang=en&n=24F7211B-1.

COSSARA (Committee on the Status of Species at Risk in Ontario). 2017. Ontario Species at Risk Evaluation Report for Deepwater Sculpin (Myoxocephalus thompsonii) Great Lakes – Upper St. Lawrence populations, Southern Hudson Bay – James Bay populations and Saskatchewan – Nelson River populations. November 2017. 22pp. Accessed April 21, 2023. Available at http://cossaroagency.ca/wp-content/uploads/2018/06/Accessible_COSSARO_Evaluation_Deepwater_Sculpin_FINAL_30JAN2018.pdf.

Crins, W.J. 2002. Ecozone, Ecoregions, and Ecodistricts of Ontario [map]. Produced by the Planning and Research Section, Ontario Parks. Queen’s Printer, Ontario.

Crins, W.J., Gray, P.A., Uhlig, P.W.C., and Wester, M.C. 2009. The ecosystems of Ontario, Part 1: Ecozones and Ecoregions. Ministry of Natural Resources and Forestry (MNRF) Peterborough Ontario, Inventory, Monitoring and Assessment, SIB TER IMA TR- 01, 71pp.

Crossman, E.J. 1976. Quetico Fishes. Toronto ON: Royal Ontario Museum. 100 p.

Cunjak, R.A. and G. Power. 1986. Winter Habitat Utilization by Stream Resident Brook Trout (Salvelinus fontinalis) and Brown Trout (Salmo trutta). Canadian Journal of Fisheries and Aquatic Sciences. October 1986. Accessed April 21, 2023. Available at https://doi.org/10.1139/f86-242

DFO (Fisheries and Oceans Canada). 2010. Recovery potential assessment of Lake Sturgeon: Nelson River populations (Designatable Unit 3). DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2010/050. Accessed April 21, 2023. Available at https://waves-vagues.dfo-mpo.gc.ca/library-bibliotheque/342210.pdf

DFO (Fisheries and Oceans Canada). 2013. Ontario Restricted Activity Timing Windows for the Protection of Fish and Fish Habitat. Date modified: 2013-12-27. Accessed April 21,2023. Available at https://www.dfo-mpo.gc.ca/pnw-ppe/timing-periodes/on-eng.html

DFO (Fisheries and Oceans Canada). 2016. Lake Trout. Date modified: 2016-12-19. Accessed April 21, 2023. Available at https://www.dfo-mpo.gc.ca/species-especes/profiles-profils/lake-trout-touladi-eng.html

DFO (Fisheries and Oceans Canada). 2016. Management Plan for the Northern Brook Lamprey (*Ichthyomyzon fossor*) in Canada (Great Lakes – Upper St. Lawrence populations) [Proposed]. *Species at Risk Act* Management Plan Series. Fisheries and Oceans Canada, Ottawa. vi + 34 pp. Accessed April 21, 2023. Available at https://www.registrelep-sararegistry.gc.ca/virtual_sara/files/plans/Mp-NthnBrookLamprey-v00-2016Aug05-Eng.pdf

DFO (Fisheries and Oceans Canada). 2020. Projects Near Water. Accessed April 21, 2023. Available at http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html.

DFO (Fisheries and Oceans Canada). 2022. Aquatic Species at Risk Mapping. [Date modified March 13, 2023]. Species Occurrence Data [Date modified March 13, 2023], Critical Habitat Data. [Date modified March 13, 2023]. Accessed April 21, 2023. Available at https://www.dfo-mpo.gc.ca/species-especes/sara-lep/map-carte/index-eng.html.

Dillon. 2020. Data provided by MNRF for draft for the Waasigan Hydro One Terms of Reference, generated by Dillon. [pers. comm.]. Email: To Callum Squires; From Sarah Galloway, August 19, 2020.

Domtar. 2018. 2019-2029 Forest Management Plan for the Wabigoon Forest. 333 p.

Dryden Forest Management Company. 2016. 2011-2021 Forest Management Plan for the Dryden Forest. Phase II Planned Operations for the Second Five Year Term. 98 p.

EDDMaps. 2022. Early Detection and Distribution Mapping System for Invasive Species. Accessed April 21, 2023. Retrieved from https://www.eddmaps.org/

Fuller, P.L., Nico, M., Neilson, K., Dettloff, and Sturtevant, R. 2022, *Anguilla rostrata* (Lesueur, 1817): U.S. Geological Survey, Nonindigenous Aquatic Species Database, Gainesville, FL. [peer reviewed 2 May 2016; updated 12 September 2019]; Accessed April 21, 2023. Available at https://nas.er.usgs.gov/queries/factsheet.aspx?SpeciesID=310

Great Lakes Fishery Commission. 2022. American Eels in Peril. Accessed April 21, 2023. Available at http://www.glfc.org/eforum/article2.html

Golder (Golder Associates LtdGolder). 2011. Recovery Strategy for Lake Sturgeon (*Acipenser fulvescens*) – Northwestern Ontario, Great Lakes-Upper St. Lawrence River and Southern Hudson Bay-James Bay populations in Ontario. Ontario Recovery Strategy Series. Prepared for the Ontario Ministry of Natural Resources, Peterborough, Ontario. vii + 77 pp.

Golder (Golder Associates Ltd). 2020. Marten Falls First Nation Draft Baseline Report. Fish and Fish Habitat. Prepared for AECOM Canada Ltd. September 2020.

Golder (Golder Associates Ltd). 2021. Hydro One Waasigan Transmission Line. 2020 Field Work Summary and Ongoing Desktop Analysis. March 12, 2021.

Haines, R., and Seine River First. Nation. 2017. Use of Traditional Phenological Knowledge Indicators to Predict Lake Sturgeon Spawning Timing on the Seine River.

Hartman, G.F. 2009. A biological synopsis of walleye (Sander vitreus). Can. Manuscr. Rep. Fish. Aquat. Sci. 2888: v + 48 p.

Harvey, B. 2009. A Biological Synopsis of Northern Pike (Esox lucius). Canadian Manuscript Report of Fisheries and Aquatic Sciences 2885. Accessed April 21, 2023. Available at https://waves-vagues.dfo-mpo.gc.ca/library-bibliotheque/337844.pdf

Holm, E., Mandrak, N. Burridge, M. 2021. A field Guide to Freshwater Fishes of Ontario. ROM. 486 pp.

Hoxmeier, J.H., Dieterman, D.J., Miller, L.M. 2015. Brook Trout Distribution, Genetics, and Population Characteristics in the Driftless Area of Minnesota. North American Journal of Fisheries Management, 35:4,632-648, DOI: 10.1080/02755947.2015.1032451 (PDF) Brook Trout Distribution, Genetics, and Population Characteristics in the Driftless Area of Minnesota. Accessed April 21, 2023. Available at https://www.researchgate.net/publication/281229519_Brook_Trout_Distribution_Genetics_and_Population_Characteristics_in_the_Driftless_Area_of_Minnesota.

Huckins, C., Baker, E., Fausch, K., Leonard, J. 2008. Ecology and Life History of Coaster Brook Trout and Potential Bottlenecks in Their Rehabilitation. North American Journal of Fisheries Management. 28. 1321-1342. 10.1577/M05-191.1.

Hydro One (Hydro One Networks Inc.). 2021. Waasigan Transmission Line Amended Terms of Reference. June 2021.

Impact Assessment Act. 2019. Impact Assessment Act. S.C. 2019, c. 28, s. 1. Last Amended August 28, 2019. Accessed April 21, 2023. Available at https://laws.justice.gc.ca/eng/acts/I-2.75/index.html.

iNaturalist. 2022. Observations Map. Accessed April 21, 2023. Available at https://www.inaturalist.org/observations/.

Janoscik, T. 2001. Monitoring the abundance of Lake Trout (*Salvelinus namaycush*) with index netting. Accessed April 21, 2023. Available at https://tspace.library.utoronto.ca/bitstream/1807/15233/1/MQ63239.pdf

Kerr, S.J. 2002. Atlas of lake sturgeon waters in Ontario. Fish and Wildlife Branch. Ontario Ministry of Natural Resources. Peterborough, Ontario. 12 pp

Kitchell, J.F., Johnson, M.G., Minns, C.K., Loftus, K.H., Grieg, L., and C.H. Olver. 1977. Percid habitat : the river analogy . J. Fish . Res . Board Can . 34 (10) : 1936-1940 .

MacGregor, R., Casselman, J., Greig, L., Dettmers, J., Allen, W.A., McDermott, L., and T. Haxton. 2013. Recovery Strategy for the American Eel (*Anguilla rostrata*) in Ontario. Ontario Recovery Strategy Series. Prepared for Ontario Ministry of Natural Resources, Peterborough, Ontario. x + 119 pp.

Mandrak, N.E., Curry, R.A., Dumont, P., Holm, E., and D. Watkinson. (in prep). Atlas of the freshwater fishes of Canada with a taxonomic key.

Marcus, M.D., Hubert, W.A., and S.H. Anderson. 1984. Habitat Suitability Index Models: Lake Trout (exclusive of the great lakes). US Fish and Wildlife Service. FWS/0BS-82/10.84. 12pp.

McMahon, T.E., Terrell, J.W., and P.C. Nelson. 1984. Habitat suitability information: Walleye. U.S. Fish Wildl . Serv . FWS / OBS - 82 / 10.56 . 43 pp.

Meek, M. 2022. Meek Lab Conservation Genomics at Michigan State University. Genetic and life history diversity of Brook Trout in the Lake Superior Basin. Accessed April 21, 2023. Available at https://meeklab.com/lsbrooktrout/

MDNR. 2022. Brook Trout. Excerpt by Nicole Paulson & Jay T. Hatch, from Natural History of Minnesota Fishes. Accessed April 21, 2023. Available at https://www.lakesuperiorstreams.org/understanding/brooktrout.html

MECP (Ministry of Environment, Conservation, and Parks [nee Ministry of the Environment and Energy]). 1994. Provincial Water Quality Objectives (PWQO). [updated 16 August 2021]. Accessed April 21, 2023. Available at https://www.ontario.ca/page/water-management-policies-guidelines-provincial-water-quality-objectives#section-9

MECP (Ministry of Environment, Conservation and Parks). 2014, updated August 2021. Species at Risk: Northern Brook Lamprey (Ichthyomyzon fossor). Accessed April 21, 2023. Available at https://www.ontario.ca/page/northern-brook-lamprey.

MECP (Ministry of Environment, Conservation and Parks). 2017, updated August 2021. Northern Sunfish. Accessed April 21, 2023. Available at https://www.ontario.ca/page/northern-sunfish#:~:text=In%20Ontario%2C%20the%20Northern%20Sunfish,they%20can%20avoid%20strong%20currents.

MECP (Ministry of Environment, Conservation and Parks). 2019a. Shortjaw Cisco, Scientific name: Coregonus zenithicus. Accessed April 21, 2023. Available at https://www.ontario.ca/page/shortjaw-cisco

MECP (Ministry of Environment, Conservation and Parks). 2019b. Pugnose Shiner, Scientific name: Notropis anogenus. Accessed April 21, 2023. Available at https://www.ontario.ca/page/pugnose-shiner

MECP (Ministry of Environment, Conservation and Parks). 2019c. Upper Great Lakes kiyi, Scientific name: Coregonus kiyi kiyi. Accessed April 21, 2023. Available at https://www.ontario.ca/page/upper-great-lakes-kiyi

MECP (Ministry of Environment, Conservation and Parks). 2021. Silver lamprey. Accessed April 21, 2023. Available at https://www.ontario.ca/page/silver-lamprey

Metcalfe-Smith J, Mackenzie A, Carmichael I, McGoldrick D. 2005. Photo Field Guide to the Freshwater Mussels of Ontario. ON: Aylmer Express

MNR (Ministry of Natural Resources). 2011. Aquatic Ecosystems of the Far North. State of Knowledge. 52 pp.

MNR (Ministry of Natural Resources). 2012b. Background Information for the Development of a Fisheries Management Plan in Fisheries Management Zone 5, January 2012. Government of Ontario. Accessed April 21, 2023. Available at https://dr6j45jk9xcmk.cloudfront.net/documents/2611/stdprod-093015.pdf

MNRF (Ministry of Natural Resources and Forestry). 2016a. Guidance for Development Activities in Redside Dace Protected Habitat. Version 1.2 Ontario Ministry of Natural Resources and Forestry, Peterborough, Ontario. iv+32 pp. Accessed April 21, 2023. Available at https://www.ontario.ca/page/guidance-development-activities-redside-dace-protected-habitat.

MNRF (Ministry of Natural Resources and Forestry). 2016b. Fisheries Management Plan (Fisheries Management Zone 18). Accessed April 21, 2023. Available at https://www.ontario.ca/document/fisheries-management-plan-fisheries-management-zone-18

MNRF (Ministry of Natural Resources and Forestry). 2017. The Conservation and Management of Brook Trout in Ontario: Past, Present and Future. Latornell Conservation Symposium. November 2017. Accessed April 21, 2023. Available at http://www.latornell.ca/wp-content/uploads/files/presentations/2017/Latornell_2017_W3A_Jacquelyn_Wood.pdf

MNRF (Ministry of Natural Resources and Forestry). 2019. Inland lakes designated for lake trout management. [published 31January 2019; updated 10 December 2019]. Accessed April 21, 2023. Available at https://www.ontario.ca/page/inland-lakes-designated-lake-trout-management

MNRF (Ministry of Natural Resources and Forestry). 2020a. Aggregate resources of Ontario standards: A compilation of the four standards adopted by Ontario Regulation 244/97 under the Aggregate Resources Act. Available at https://files.ontario.ca/mnrf-aggregates-combined-standards-en-2020-08-27.pdf

MNRF (Ministry of Natural Resources and Forestry). 2020b. Fisheries Management Plan (Fisheries Management Zone 4). Updated: June 15, 2021. Published: January 10, 2020. Accessed April 21, 2023. Available at https://www.ontario.ca/page/fisheries-management-plan-fisheries-management-zone-4#:~:text=The%20fisheries%20management%20goals%20for,ecosystem%20diversity%20within%20FMZ%204.

MNRF (Ministry of Natural Resources and Forestry). 2021. Agency Response to Waasigan FWP 2021-2022.

MNRF (Ministry of Natural Resources and Forestry). 2022a. Aquatic Resource Area (ARA), Land Information Ontario (LIO). Ontario Ministry of Natural Resources & Forestry. Queens Printer 2022.

MNRF. 2022b. Fish ON-Line. Accessed: April 21, 2023. Available at https://www.lioapplications.lrc.gov.on.ca/fishonline/Index.html?viewer=FishONLine.FishONLine&locale=en-CA

MNRF (Ministry of Natural Resources and Forestry). 2022c. Ontario Hydrographic Network (OHN), Land Information Ontario (LIO). Ontario Ministry of Natural Resources & Forestry. Queens Printer 2022.

MTO (Ontario Ministry of Transportation). 2020. Environmental Guide to Fisheries (interim). Accessed April 21, 2023. Available at https://www.library.mto.gov.on.ca/SydneyPLUS/TechPubs/Portal/tp/espViews.aspx

Mucha, J.M. and R.W. Mackereth. 2008. Habitat use and movement patterns of Brook Trout in Nipigon Bay, Lake Superior. Transactions of the American Fisheries Society. 137: 1203-1212.

Mundahl, N., Sagan, R. 2005. Spawning ecology of the American brook lamprey, *Lampetra appendix*. *Environ Biol Fish* 73, 283–292. Accessed: April 21, 2023. Available at https://doi.org/10.1007/s10641-005-2145-4

National Park Services. 2022. Coaster Brook Trout. Coaster Brook Trout - Isle Royale National Park (U.S. National Park Service) (nps.gov). Accessed April 21, 2023. Available at https://www.nps.gov/isro/learn/nature/coaster-brook-trout.htm

New York Natural Heritage Program. 2022. Online Conservation Guide for *Ichthyomyzon fossor*. Accessed April 21, 2023. Available at https://guides.nynhp.org/northern-brook-lamprey.

NHIC (Natural Heritage Information Centre). 2022. Accessed April 21, 2023. Available at http://www.mnr.gov.on.ca/MNR/nhic/nhic.cfm.

NatureServe. 2022. NatureServe Explorer. Accessed April 21, 2023. Available at http://www.natureserve.org/explorer/

Northern Bioscience. 2012. Thunder Bay North Harbour -Fish Community and Habitat Synthesis. Prepared for Environment Canada. Dec 21, 2012. Accessed April 21, 2023. Available at https://infosuperior.com/download/aocs/tbay/North%20Harbour/reports_and_studies/Northern%20Biosci%20-%20Fish%20Community%20and%20Habitat%20Synthesis%20%28Dec%202012%29.pdf.

O'Neil, J. and L. Hildebrand. 1986. *Fisheries Resources Upstream of the Oldman River Dam.* Prepared for Alberta Environment, Planning Division by RL&L Environmental Services Ltd. RL&L Report No. 181: 131 p. + 7 app.

Ontario (Government of Ontario). 2007. *Endangered Species Act*, *2007*. S.O. 2007, Chapter 6. Consolidation Period: From June 30, 2008 to December 21, 2016. Accessed April 21, 2023. Available at https://www.ontario.ca/laws/statute/07e06.

Ontario (Government of Ontario). 2009. Renewable Energy Approvals Under Part V.0.1 of the Act, Environmental Protection Act. Ontario Regulation 359/09. Last Amendment 275/21. Consolidation period: from June 1, 2019 to April 18, 2023. Accessed April 21, 2023. Available at https://www.ontario.ca/laws/regulation/090359

Ontario (Government of Ontario). 2022. *Species at Risk in Ontario List*. Accessed April 21, 2023. Available at https://www.ontario.ca/environment-and-energy/species-risk-ontario-list.

Ontario (Government of Ontario). 2022. *Environmental Assessment Act* (EAA). , R.S.O. 1990, c. E.18.

Ontario Federation of Anglers and Hunters (OFAH). 2014. The Lake Superior Aquatic Invasive Species Guide. Prepared in collaboration with the Lake Superior Binational Program and the Great Lakes Panel on Aquatic Nuisance Species. Available at www.Invadingspecies.com.

Ontario Federation of Anglers and Hunters. 2014. The Lake Superior Aquatic Invasive Species Guide. Prepared in collaboration with the Lake Superior Binational Program and the Great Lakes Panel on Aquatic Nuisance Species. Accessed April 21, 2023. Available at www.Invadingspecies.com.

Ontario Geological Survey (OGS). 1991. Bedrock Geology of Ontario, East-central Sheet. Map 2543, Ontario Geological Survey, Queen's Printer for Ontario, Toronto, Ontario.

Ontario Ministry of Natural Resources. 2012. Ontario Invasive Species Strategic Plan. Toronto: Queen's Printer for Ontario. 58 pp.

Pandit, S.N., Zhao, Y., Ciborowski, J.J., Gorman, A.M., Knight, K.T. 2013. Suitable habitat model for walleye (Sander vitreus) in Lake Erie: Implications for inter-jurisdictional harvest quota allocations. Journal of Great Lakes Research, Volume 39, Issue 4, 2013, Pages 591-601.

Portt, C.B., G.A. Coker, D.L. Ming, and R.G. Randall. 2006. A review of fish sampling methods commonly used in Canadian freshwater habitats. Can. Tech. Rep. Fish. Aquat. Sci. 2604 p.

Raleigh, RF. 1982. Habitat suitability index models: Brook trout. U.S. Dept. Int., Fish Wildlife. Servo FWS/OBS-82/10.24. 42 pp.

ROM (Royal Ontario Museum). 2016. Global Biodiversity Information Facility IPT, Ichthyology Collection – Royal Ontario Museum. Darwin Core Archive (DwC A). Accessed August 2020 to April 2023. Available at http://gbif.rom.on.ca/ipt/resource?r=fishes&v=18.4

Species at Risk Act (SARA). S.C. 2002, c. 29. Government of Canada.

Scott, W.B. and E. Crossman. 1973. The freshwater fishes of Canada. Fisheries Research Board of Canada Bulletin 184, 966 p.

Selgeby, J.H. 1988. Comparative biology of the sculpins of Lake Superior. Journal of Great Lakes Research. 14:44-51.

Shaul, L. 1988. Taku River Coho Salmon *(Oncorhynchus kisutch)* Adult Escapement and Juvenile Tagging Investigation. Alaska Department of Fish and Game. Accessed April 21, 2023. Available at http://www.adfg.alaska.gov/fedaidpdfs/RIR.1J.1988.13.pdf.

Smith Root. 2021. LR-24 Backpack electrofisher user manual. Accessed April 21, 2023. Available at https://www.smith-root.com/support/downloads/lr-24-electrofisher-manual

Stanfield, L. (Editor). 2017. Ontario Stream Assessment Protocol Version 10.0. Accessed April 21, 2023. Available at https://s3-ca-central-1.amazonaws.com/trcaca/app/uploads/2019/06/05112225/osap-master-version-10-july1-accessibility-compliant_editfootnoteS1M4.pdf.

Toronto Zoo and DFO. 2022. Canadian Freshwater Mussel Guide. 2021. Canadian Freshwater Mussel Guide. Accessed April 21, 2023. Available at http://www.musselguide.ca/

USFWS. 2022a. American Eel. Accessed April 21, 2023. Available at https://www.fws.gov/species/american-eel-anguilla-rostrata.

USFWS. 2022b. Lake Trout. Accessed April 21, 2023. Available at https://www.fws.gov/species/lake-trout-salvelinus-namaycush.

Wentworth, C.K. 1922. A Scale of Grade and Class Terms for Clastic Sediments. J. Geology 30: 377-392.

Wilson, C.C., Stott, W., Miller, L., D'Amelio, S., Jennings, M.J., and A.M. Cooper. 2008. Conservation Genetics of Lake Superior Brook Trout: Issues, Questions, and Directions. North American Journal of Fisheries Management - NORTH AM J FISH MANAGE. 28. 1307-1320. 10.1577/M05-190.1.

5.0 Glossary

Term	Definition
Abundance	The number of individuals in a given area or sample.
Abiotic	A non-living part of an ecosystem that shapes its environment.
Alevin	A newly hatched salmon or trout that is still attached to the yolk sac.
Anthropogenic	Referring to structures created by humans.
Baseline	Background or reference; conditions before Project development.
Barrier	An obstacle that prevents movement or access.
Benthic	Of, relating to, or occurring at the lowest level of a waterbody, including the sediment surface and sub-surface layers.
Biotic	A living component of an ecosystem.
Boreal Forest	The forested area within the boreal zone of Canada.
Boulder	Particles greater than ~256 mm in diameter.
Clay	Particles less than 0.0039 mm in diameter.
Critical Habitat	The habitat that is necessary for the survival or recovery of a species at risk or species of conservation concern and that is identified as the species' critical habitat in the recovery strategy or in an action plan for the species.
Cobble	Particles between ~64.1 mm and ~256 mm in diameter.
Coldwater	Water with temperatures below 18°C.
Commercial fish	Species targeted on a large scale for the purpose of commercial marketing or profit.
Community (ecology)	Group of co-existing organisms in an ecosystem.
Coolwater	Water with temperatures between 18-25°C.
Criteria species	An organism whose presence, absence or abundance reflects a specific environmental condition.
Debris	Organic material (usually wood) occurring in the stream channel.
Density	The number of individuals per unit area.
Detritivore	An organism that feeds on dead and decomposing organic matter.
Dissolved Oxygen	The concentration of oxygen dissolved in water expressed in mg/L.
Distribution	The pattern of dispersion of an entity within its range.
Diversity	A numerical index that incorporates evenness and richness; diversity measures the proportional distribution of organisms in the community.
Drainage feature	A geographic low area that may convey water and has no defined bed or banks
Ecology	The study of the relationships between living organisms and their physical environment.
Ecoregion	Relatively homogeneous subdivisions of an ecozone, which are characterized by distinctive climatic zones or regional landforms.

Term	Definition
Ecosystem	Ecological system consisting of all the organisms in an area and the physical environment with which they interact.
Ecozone	Areas of the earth's surface representative of large and very generalized units characterized by interactive and adjusting abiotic and biotic factors. The ecozone lies at the top of the ecological hierarchy and defines, on a subcontinental scale, the broad mosaics formed by the interaction of macroscale climate, human activity, vegetation, soils, geological, and physiographic features of the country.
Ephemeral	A waterbody with flow only during or after large precipitation events or snowmelt for a period of a few days to a few weeks.
Fish	Fish are defined as the parts of fish, and all life stages (i.e., eggs, sperm, spawn, larvae, spat and juvenile and adult) of fish, crustaceans, shellfish and marine mammals (Canada 1985).
Fish Habitat	Fish habitat is defined as water frequented by fish and any other areas on which fish depend directly or indirectly to carry out their life processes, including spawning grounds and nursery, rearing, food supply and migration areas (Canada 1985).
Flat	Area of channel characterized by low current velocities (relative to riffle and run cover types); non turbulent flow character; and sand/silt substrates. Differentiated from pool habitat type on basis of high channel uniformity and lack of direct riffle/run association.
Footprint	The proposed development area that directly affects the fish and fish habitat components of the landscape.
Forage	Behaviour that involves searching for food and the exploitation of food resources by an organism.
Global Positioning System (GPS)	A space-based satellite navigation system that provides location and time information in all weather conditions, anywhere on or near the Earth where there is an unobstructed line of sight to four or more Global Positioning System satellites.
Gravel	Particles between ~2.01 mm and ~64 mm in diameter.
Gravel bar	An elevated region of gravel that has been deposited by the flow, lacks any rooted vegetation and is located either between the stream banks and the wetted perimeter of the stream or entirely within the wetted perimeter of the stream.
Groundwater upwelling	Water that originates from an area with naturally occurring groundwater that rises from the bedrock or soil to become surface water (e.g., seep or spring).
Habitat	The physical space within which an organism lives, and the abiotic and biotic entities (e.g., resources) it uses and selects in that space.
Headwater	The upper tributary of a stream or river; its source.
Impediment	A physical hinderance or obstruction that impedes the flow of water and/ or passage of fish.

Term	Definition
Impoundment	Pools formed behind dams that tend to accumulate sediment/organic matter and may have cover associated with the damming structure.
Intermittent	Streams that usually flow during wet seasons and in the summer after a major rain event. Non-permanent flowing drainage feature with a defined channel and evidence of annual scour.
Introduced species	An organism that is not native to the location where it is found and has been accidentally or deliberately transported to the location by human activity.
Invasive species	An organism that causes ecological or economic harm in a new environment where it is not native.
Invertebrate	An animal lacking a vertebral column, or backbone (i.e., spiders, worms, snails, crustaceans, and insects).
Iron staining	Iron deposits in water that lead to red, brown, or yellow iron bacteria forming on the waters surface.
Juvenile	A young fish that has not reached sexual maturity.
Lake	A waterbody that is surrounded by land and has no discernible flow, greater than 8 ha in size.
Large-bodied fish	Fish that generally have fork lengths (length of a fish measured from the tip of the snout to the end of the middle caudal fin rays) greater than 200 mm when they are adults and would include species from such families as Acipenseridae (e.g., Lake Sturgeon [*Acipenser fulvescens*]), Salmonidae (e.g., Brook Trout [*Salvelinus fontinalis*]), and Catostomidae (e.g., White Sucker [*Catostomus commersonii*]).
Local Study Area (LSA)	Area outside of the preliminary Project footprint for each alternative route where measurable changes to the environment resulting from the proposed activities from any Project phase may be anticipated.
Littoral	Of, relating to, or situated or growing on or near the shore of a waterbody.
Mean	Average value. The mean is found by adding up all the values and then dividing the sum by the number of values.
Migration/migratory	The relocation of an individual or population from one area or waterbody to another. Migration often occurs in connection to spawning activity and can vary in distance depending on the species.
Nutrients	A substance that promotes growth, provides energy, and maintains life.
Occurrence	Something existing or being found in a place or under a particular set of conditions.
Oligotrophic lakes	Lakes with low levels of nutrients, high dissolved oxygen levels, and typically deep areas with very cold water.
Organic substrate	A surface or material composed of natural plant matter.
Overhanging vegetation	Riparian vegetation that directly shades or overhangs a waterbody within 1 m of the waters surface.

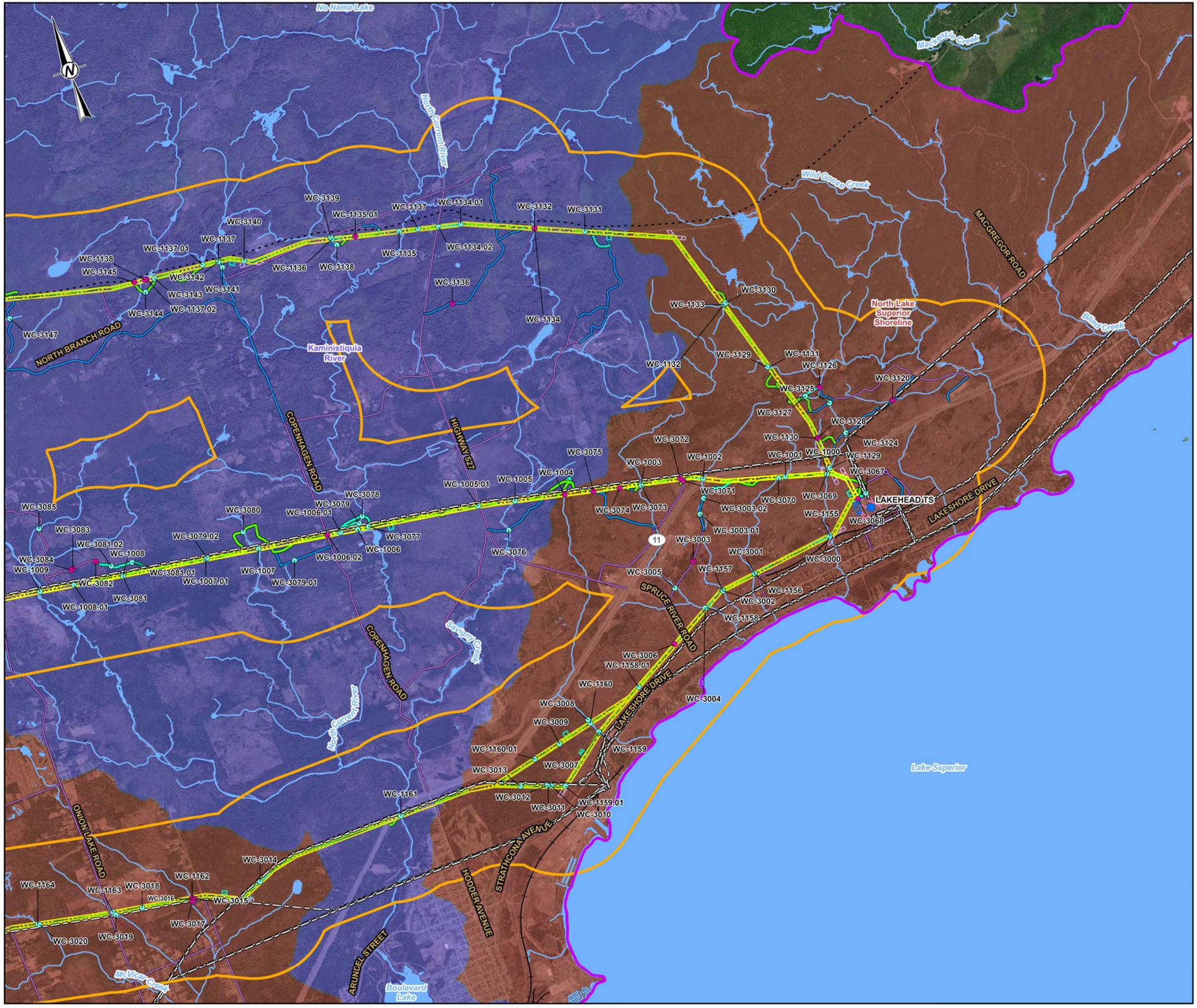
Term	Definition
Overwintering	Relating to the specific conditions or habitat required for a species during the winter months.
pH	Strictly defined as potential for Hydrogen. The negative log of the concentration of the hydronium ion. The pH is a measure of the acidity or alkalinity of all materials dissolved in water, expressed on a scale from 0 to 14, where 7 is neutral, values below 7 are acidic, and values over 7 are alkaline.
Pelagic	Of, relating to, living or occurring within the water column (not near the bottom or the shore) of coasts, open oceans, and lakes.
Perched culvert	A drop at the culvert inlet or outlet, referred to as a perched or hanging culvert, that may act as a barrier to fish passage under certain or all flow conditions depending on species present and flows.
Permanent	A permanent waterbody is one that usually flows or occurs for most of the year but can run dry during drought conditions. The bed of the waterbody is typically below the water table and groundwater or a permanent water feature is the primary source of flow.
Pool	Discrete portion of channel featuring increased depth and reduced velocity (downstream oriented) relative to riffle and run habitat types; formed by channel scour (i.e., removal of bed or bank material by flowing water).
Population	A group of individuals of the same species that is primarily affected by natural and human-related factors that change survival and reproduction of individuals
Prey	An animal that is killed by another for food.
Predator	An animal that naturally kills others for food.
Pond	A body of water that is surrounded by land and has no discernible flow, less than 8 ha in size.
Range	The geographic limits within which an organism occurs.
Rearing/Nursery	A habitat or set of environmental conditions that provides an optimal location for larval and juvenile fish to find the food and shelter needed for growth and survival.
Reconnaissance Survey	A preliminary survey.
Recreational fish	Species targeted recreationally for leisure or competition.
Regional Study Area (RSA)	The area within which the potential effects of the Project may interact with the effects of other projects, resulting in the potential for cumulative effects. The RSA was defined at the tertiary watershed scale.
Riffle	Portion of channel with increased velocity relative to run and pool habitat types; broken water surface due to effects of submerged or exposed bed materials.
Riparian	Terrain, vegetation or a position next to or associated with a watercourse, floodplain or standing body of water.

Term	Definition
Run	Portion of channel characterized by moderate to high current velocity relative to pool and flat habitat; water surface largely unbroken. Deeper than riffle habitat type.
Sand	Particles between ~0.06 mm and 2.00 mm in diameter.
Scale	The resolution at which patterns are measured, perceived, or represented. Scale can be broken into several components, including geographic extent, resolution, and other aspects.
Seep/ Spring	Water that originates from an area with naturally occurring groundwater that rises from the bedrock or soil to become surface water.
Silt	Particles between 0.004 mm and 0.06 mm diameter.
Small-bodied fish	Small-bodied fish, also called forage fish or baitfish, are generally small fish (total adult lengths generally less than 200 mm) that may serve as food for larger predators. Forage fish species would include families such as Leuciscidae (formerly Cyprinidae) (e.g., Lake Chub [*Couesius plumbeus*]) and Cottidae (e.g., Slimy Sculpin [*Cottus cognatus*]) as well as several others.
Spawning	The process in which certain aquatic animals reproduce.
Species	A group of organisms that actually or potentially interbreed and are reproductively isolated from all other such groups; a taxonomic grouping of genetically and morphologically similar individuals; the category below genus.
Species At Risk (SAR)	For the purposes of this report, aquatic Species at Risk (SAR) are defined as the following: • Any freshwater fish or mussel species listed under Schedule 1 of the Species at Risk Act, S.C. 2002, c. 29 (SARA) as Threatened, Endangered, or Extirpated; and/or • Any freshwater fish or mussel species listed under the Endangered Species Act, 2007, S.O. 2007, c. 6 (ESA) as Threatened, Endangered, or Extirpated.
Species of Conservation Concern (SOCC)	For the purposes of this report, aquatic Species of Conservation Concern (SOCC) are defined as: • Any freshwater fish or mussel species listed under Schedule 1 of SARA as Special Concern; • Any freshwater fish or mussel species designated Threatened, Endangered, or Extirpated by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) (unless otherwise listed as SAR under SARA or the ESA); • Any freshwater fish or mussel species listed under the ESA as Special Concern (unless otherwise listed as SAR under SARA); • Any freshwater fish or mussel species with a subnational rank (SRank) of S1 – S3 or SH as designated by the NHIC/NatureServe; and/or

Term	Definition
	• Any freshwater fish or mussel species that have local significance (e.g., Coaster Brook Trout [Salvelinus fontinalis]).
Species richness	The number of different species occupying a given area.
Staging Areas	Key locations, often along the migratory routes of fish, where they concentrate in huge numbers to replenish the body fat and energy reserves needed for spawning.
Study Area	The area where immediate direct and indirect effects from the Project are expected to occur.
Substrate	The surface or material on or from which an organism lives, grows, or obtains its nourishment.
Subsurface flow	Any flow of water below the surface of the ground.
Tertiary Watershed	A polygon feature that identifies one of the 145 subdivisions of the secondary watershed divisions which comprise the entire Province of Ontario. Tertiary watersheds range in size from 700 km^2 to 31,000 km^2.
Transect	A method of sampling snow along a path or fixed line.
Tributary	A river or stream flowing into a larger river or lake.
Turbidity	A measure of the relative water clarity in a stream. It can be described as haziness or cloudiness and is determined by measuring the amount of light that is scattered by material in the water when light is shone on it.
Waterbody	An area of water such as a river, stream, lake or sea.
Lake/Pond	A water feature that has well-defined channel or basin conditions (e.g., defined bed and banks), no discernible flow, and supports wetted conditions on an intermittent or permanent basis. Types include lakes and ponds.
Watercourse	Riverine systems such as creeks, brooks, streams and rivers. A watercourse has a defined channel that may have either permanent or non-permanent (i.e., intermittent or ephemeral) flow of water throughout the year.
Water crossing	A geographic location where proposed transmission lines or access roads are expected to cross a waterbody or drainage feature.
Watershed	The upstream land area drained by a river network.
Wetland	Wetlands are land where the water table is at, near, or above the ground surface or which is saturated for a long enough period to promote such features as wet-altered soils and water tolerant vegetation. Wetlands include organic wetlands or “peatlands,” and mineral wetlands or mineral soil areas that are influenced by excess water but produce little or no peat.
Young-of-the-Year (YOY)	All individuals of a species that are younger than one year of age.
Zooplankton	Small aquatic microorganisms that float, drift or weakly swim in the water column.

ATTACHMENT 6.6-A-1

Water Crossings and Fish Habitat Results

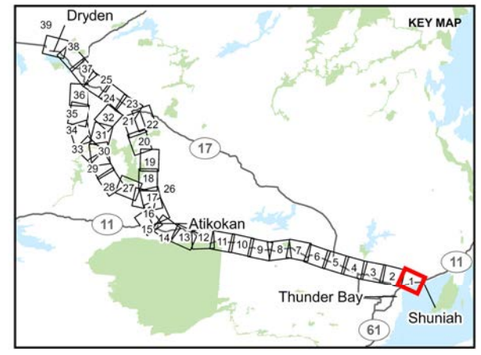


LEGEND

- 230 kV TRANSFORMER STATION (TS)
- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- TRANSFORMER STATION FENCELINE - EXISTING
- TRANSFORMER STATION FENCELINE - APPROXIMATE AREA OF EXPANSION
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER
- NORTH LAKE SUPERIOR SHORELINE



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT
wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-1

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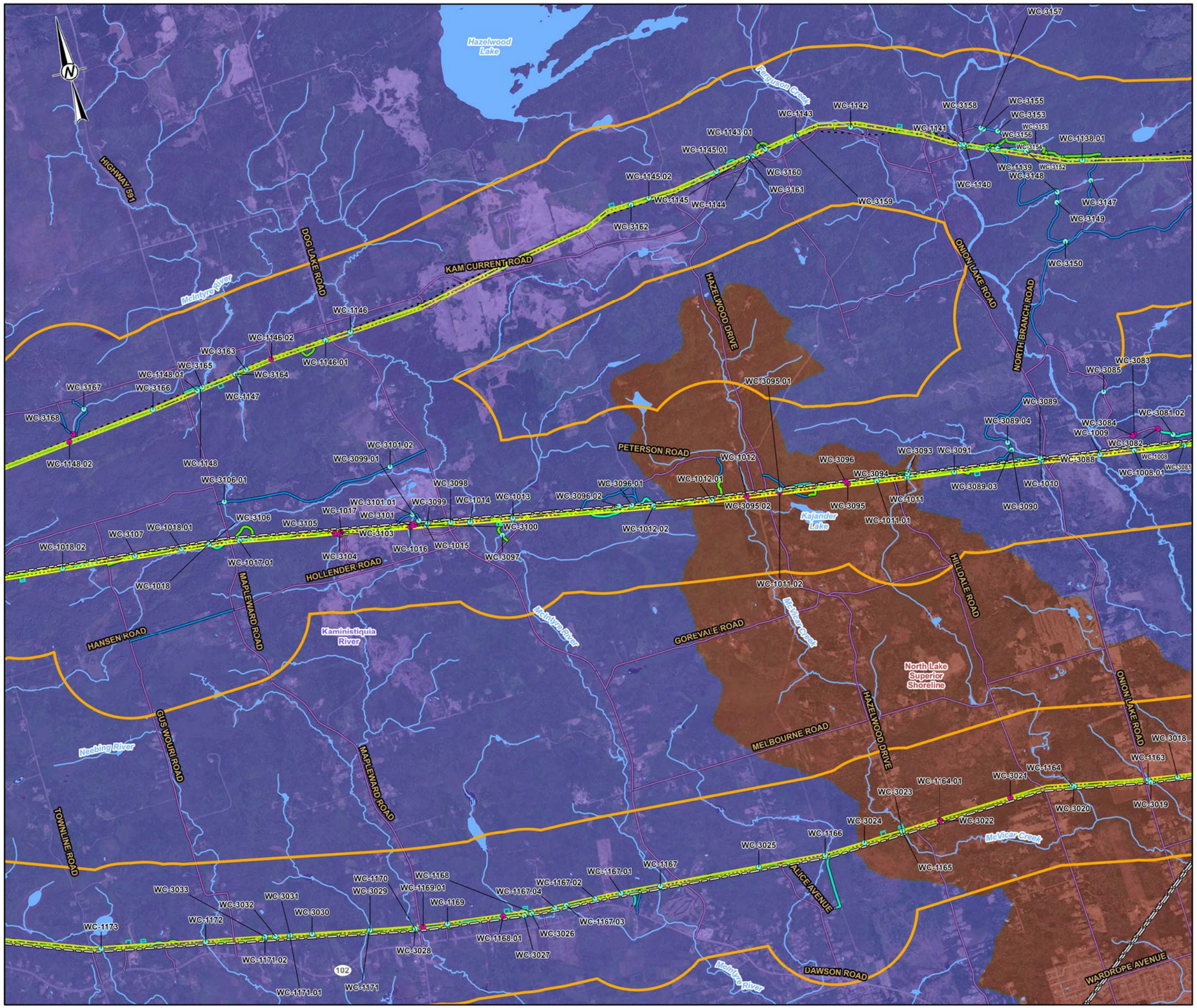
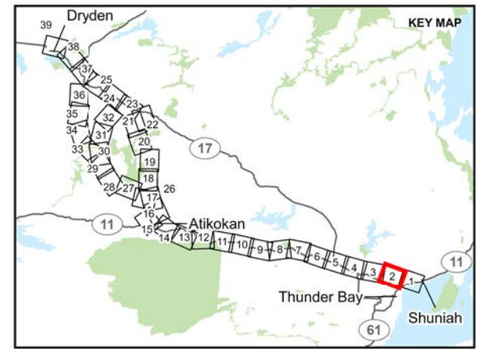


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER
- NORTH LAKE SUPERIOR SHORELINE



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PROJECT
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TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT
wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-2

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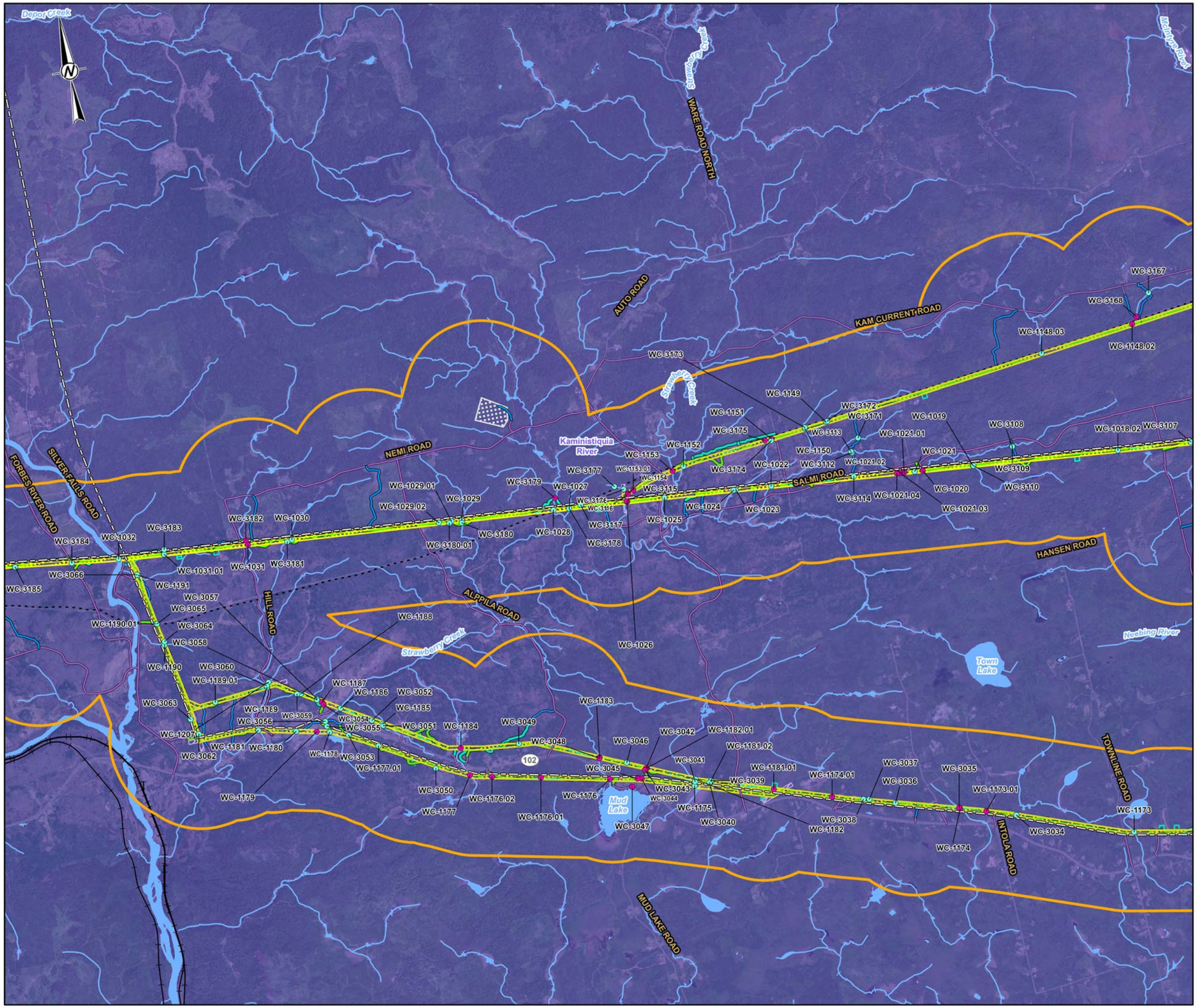
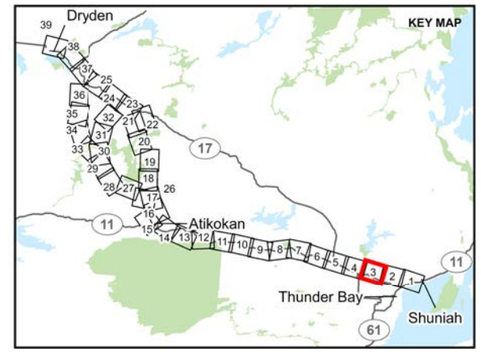


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER



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1:50,000 KILOMETRES

REFERENCE(S)

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PROJECT
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AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-3

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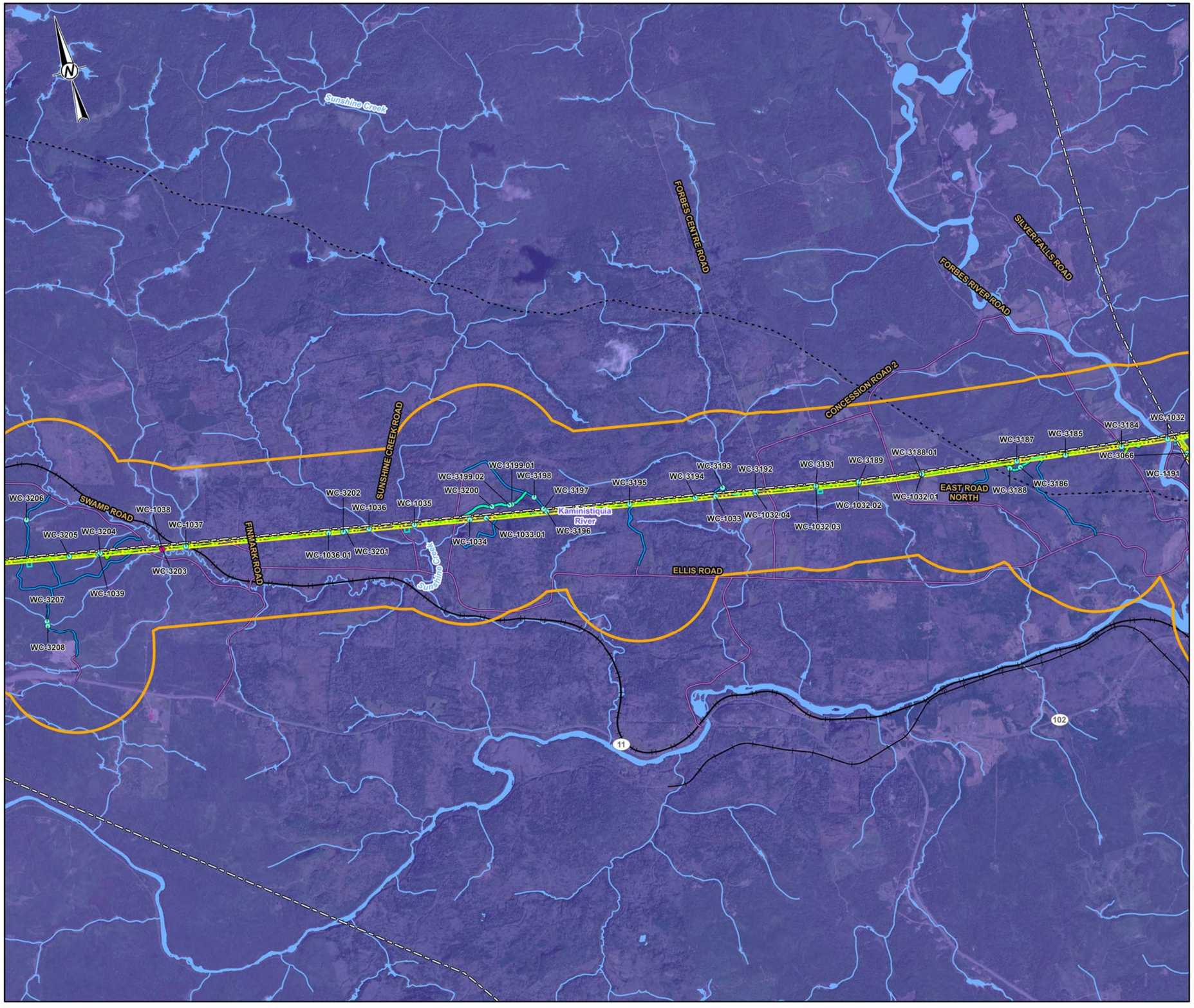
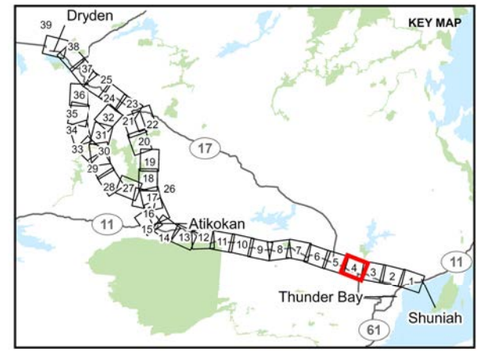


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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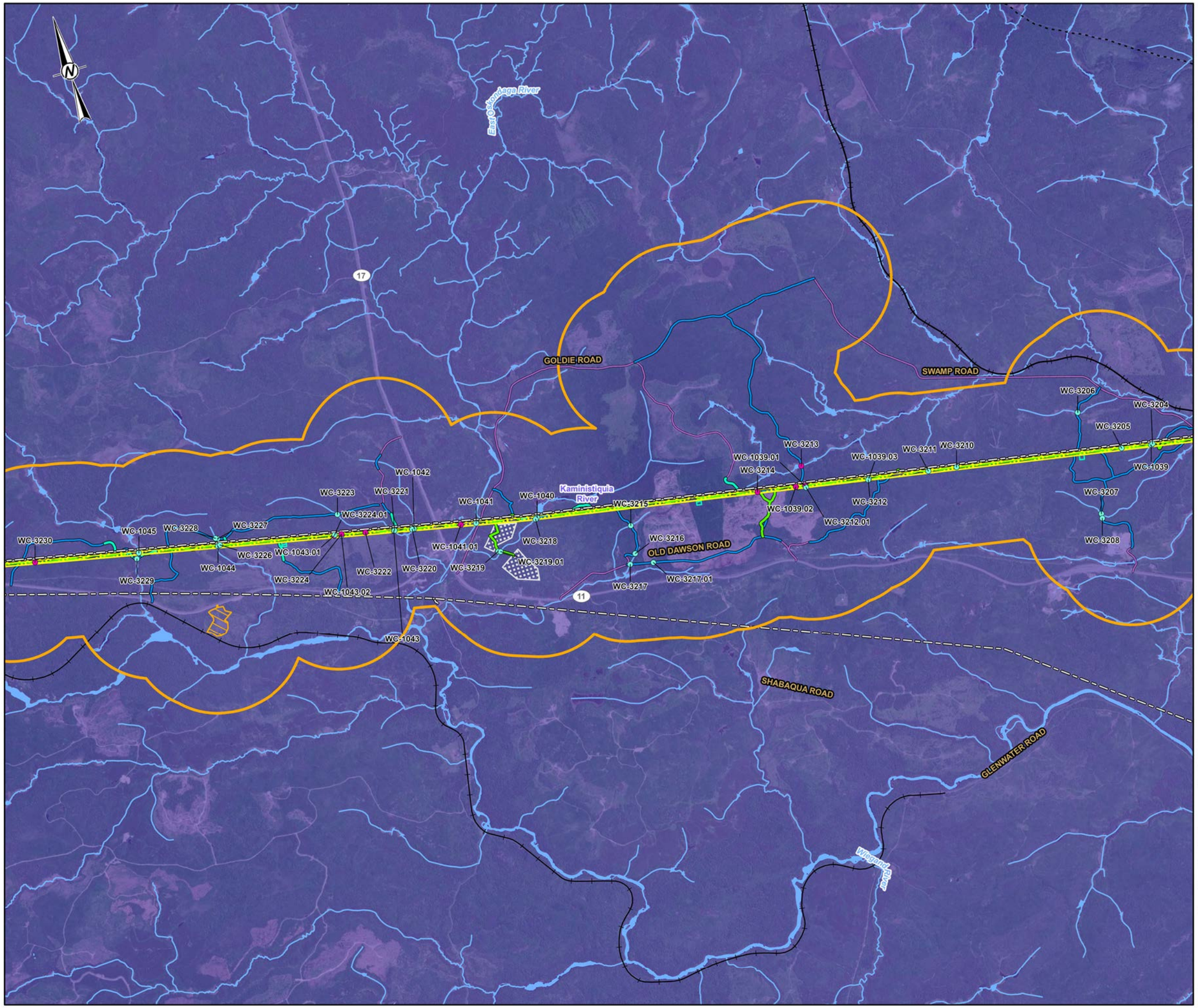

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
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- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
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- PRELIMINARY FLY YARD
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- PRELIMINARY AGGREGATE SITE
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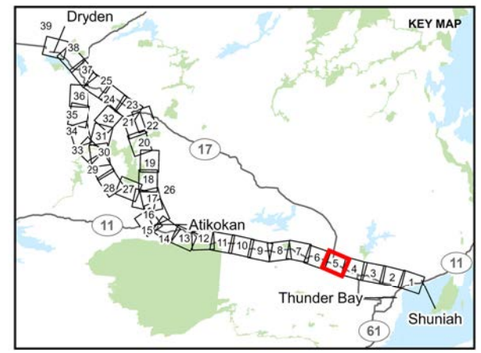
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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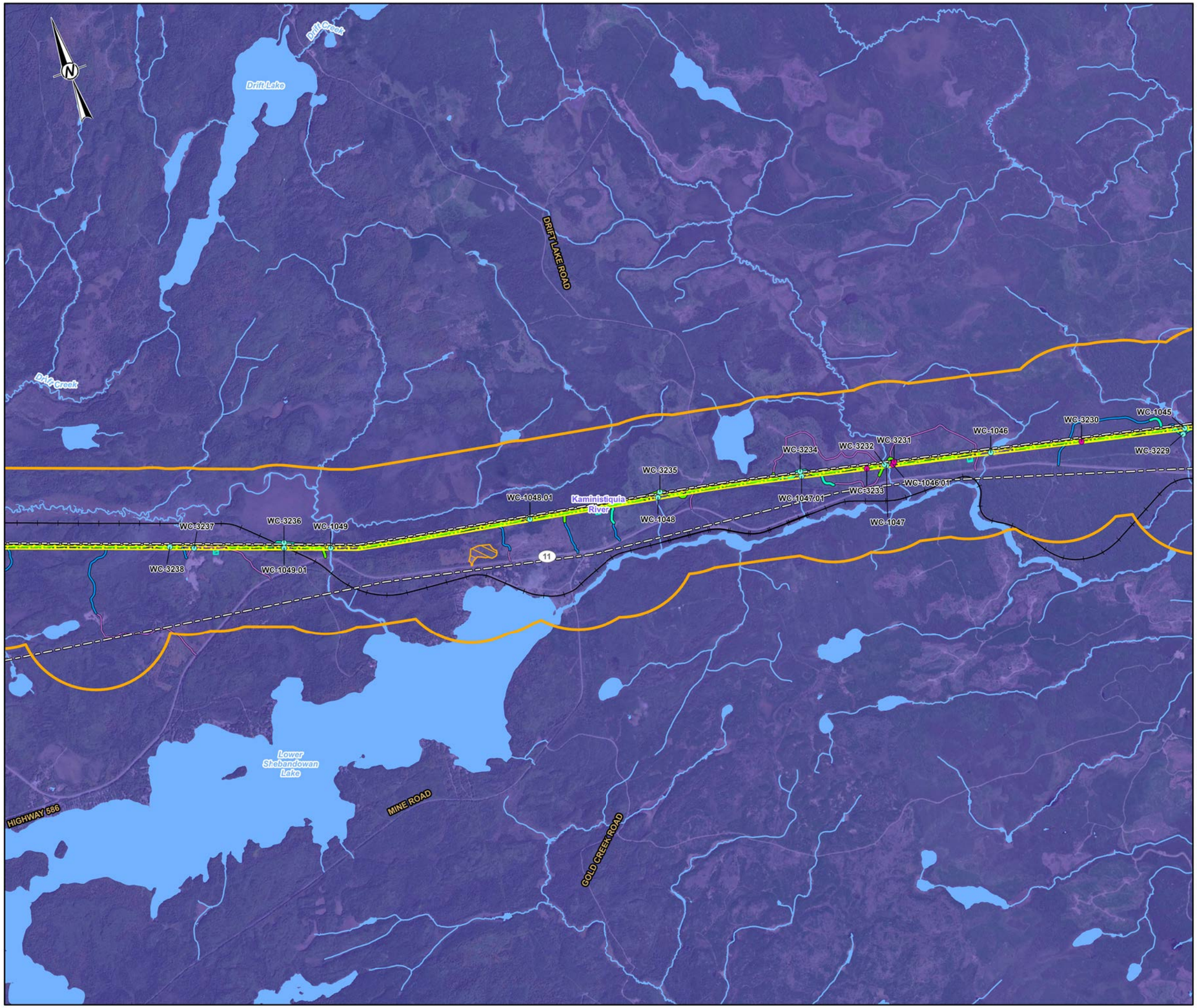

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
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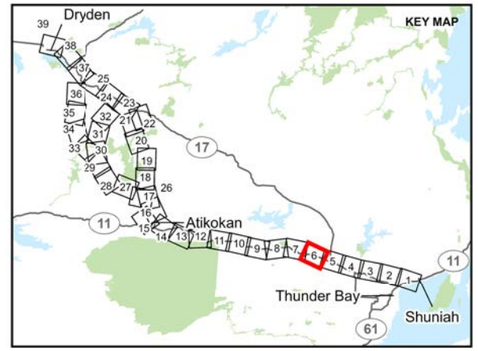
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-6

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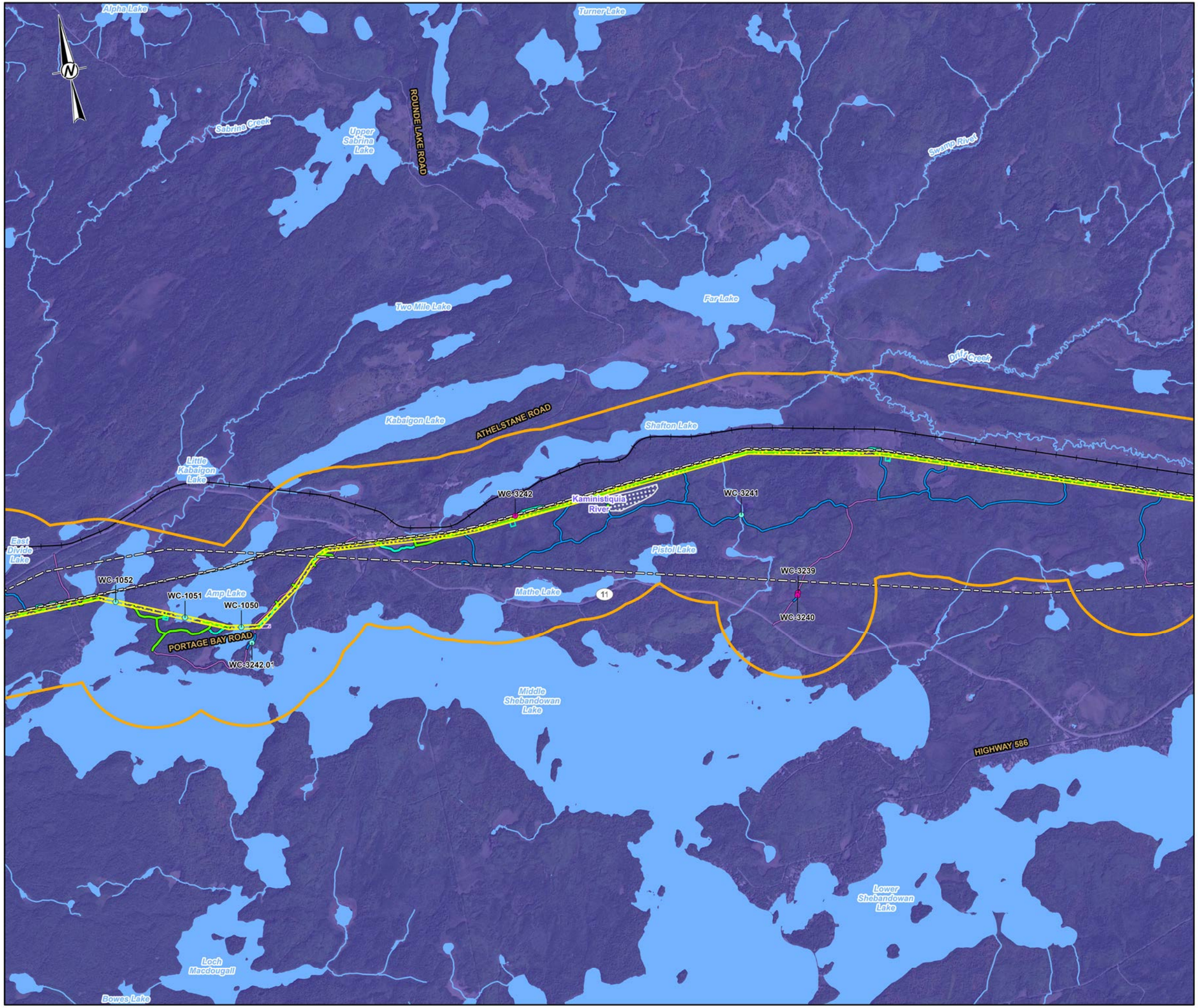

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
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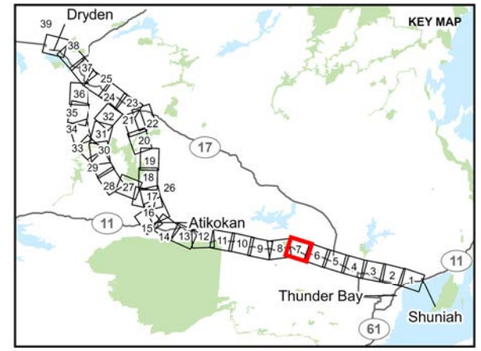
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-7

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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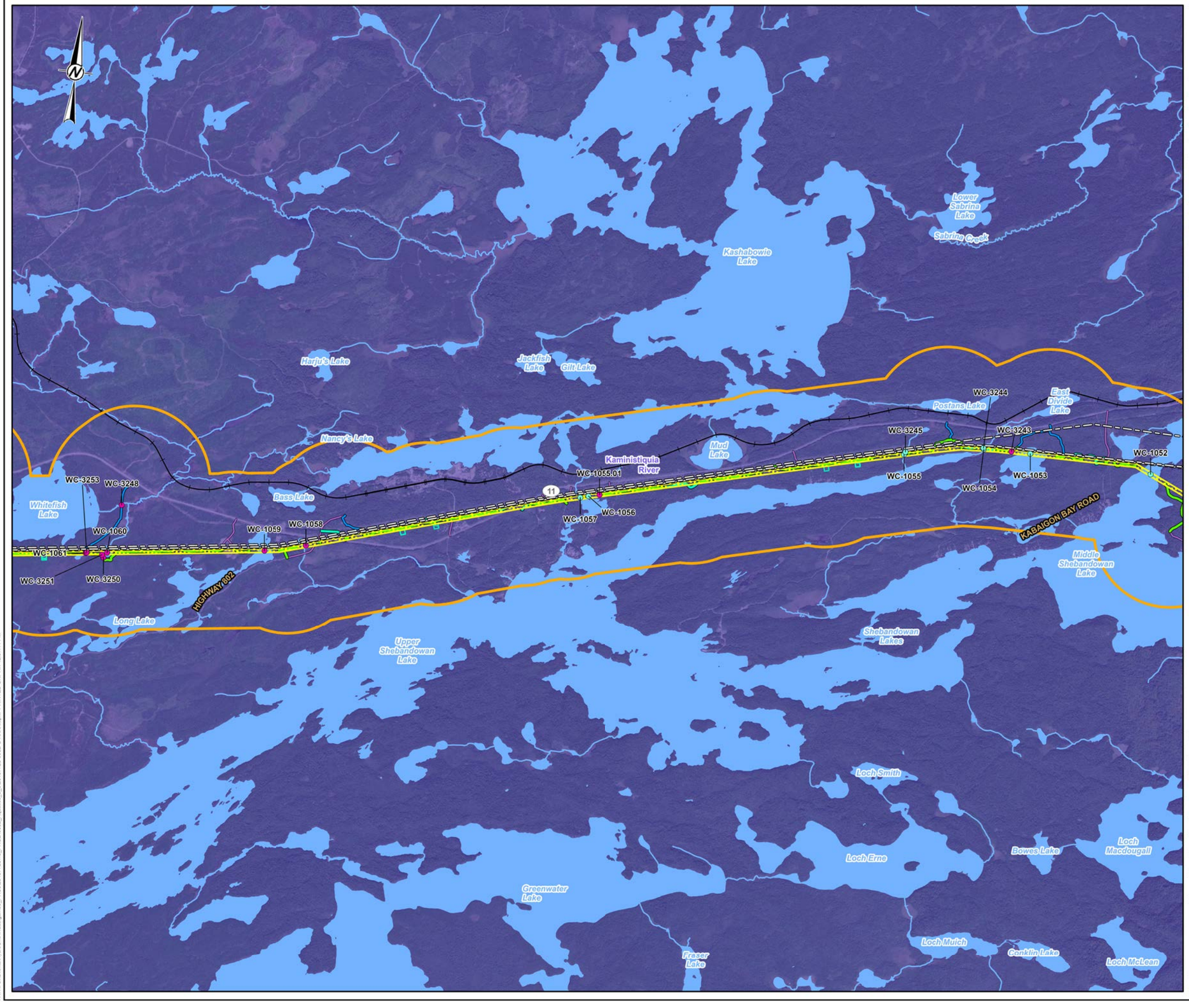

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
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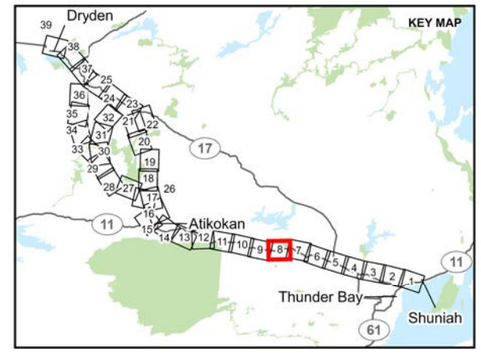
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER



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1:50,000 KILOMETRES

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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-8

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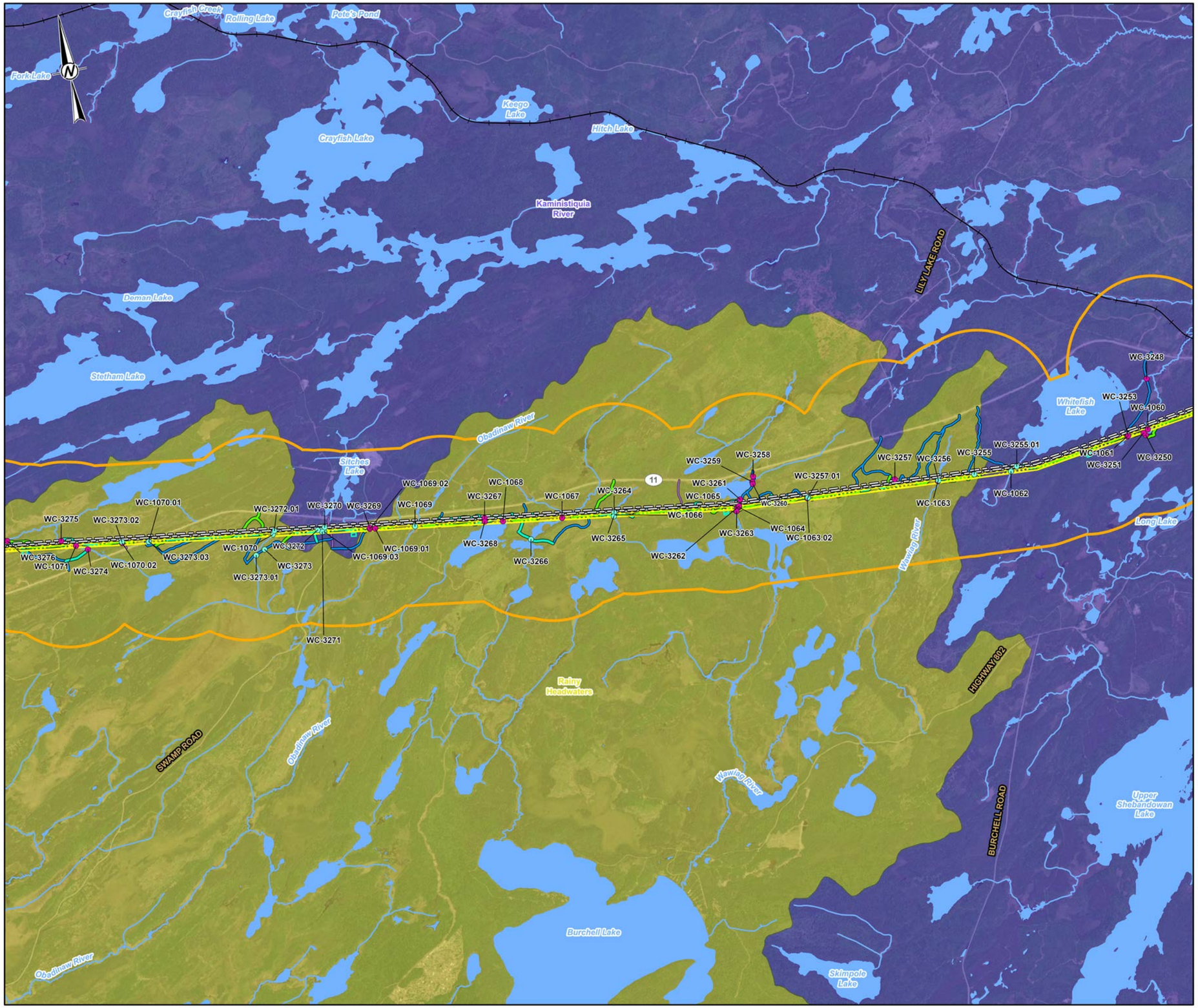

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
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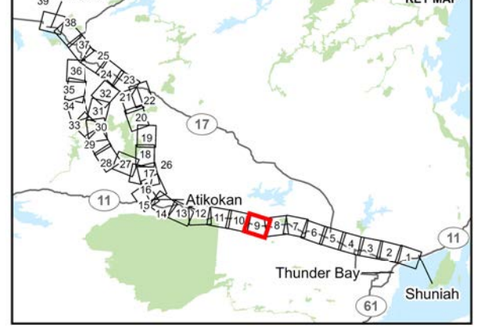
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER
- RAINY HEADWATERS



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1:50,000 KILOMETRES

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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-9

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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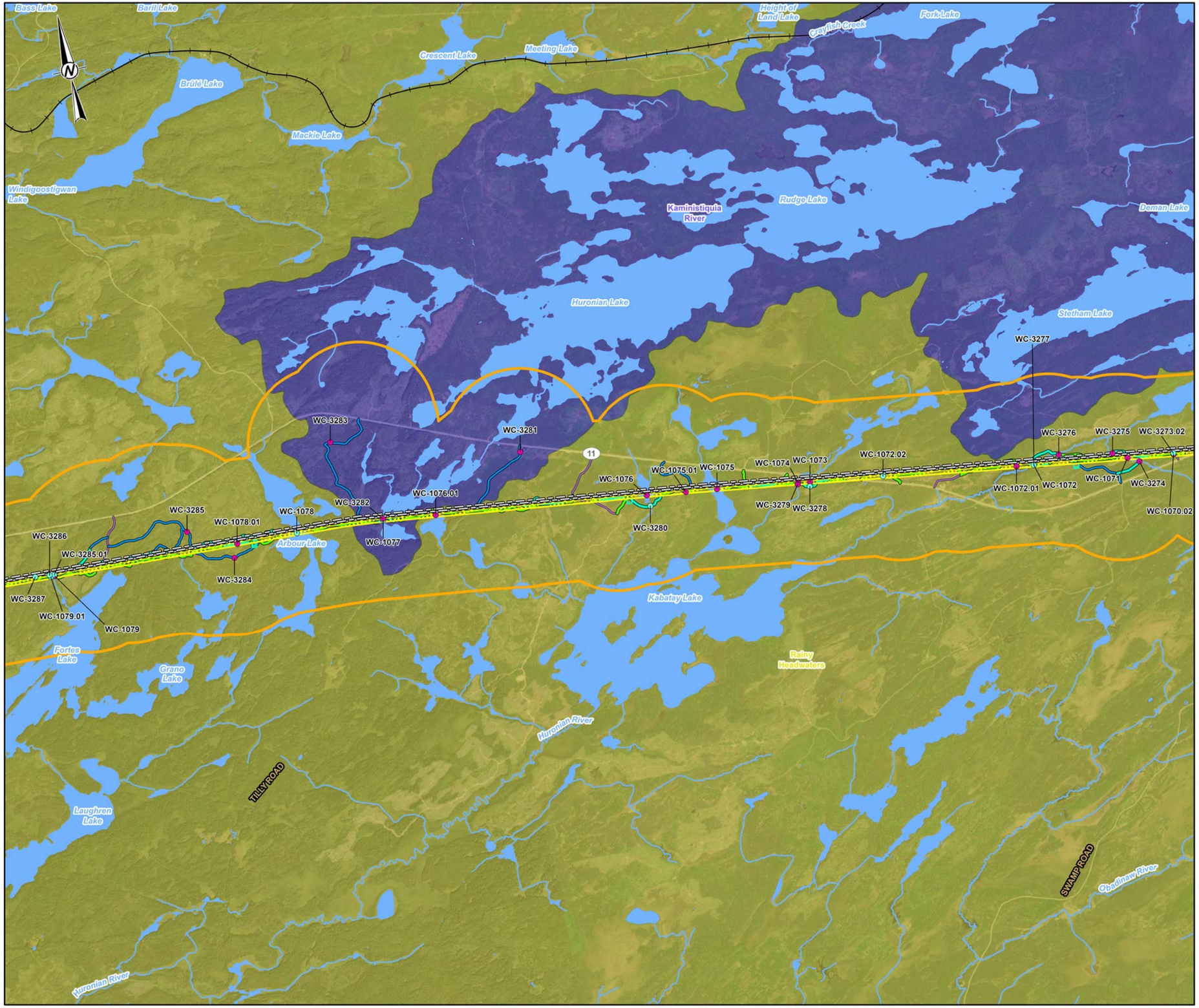

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
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- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
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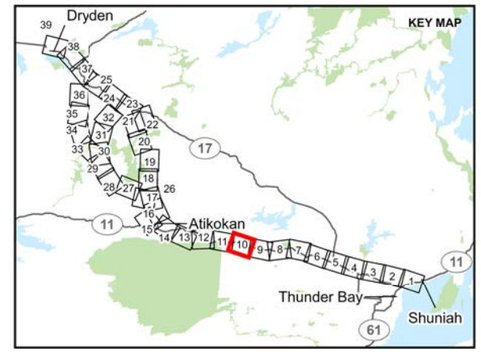
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- KAMINISTIQUIA RIVER
- RAINY HEADWATERS



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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-10

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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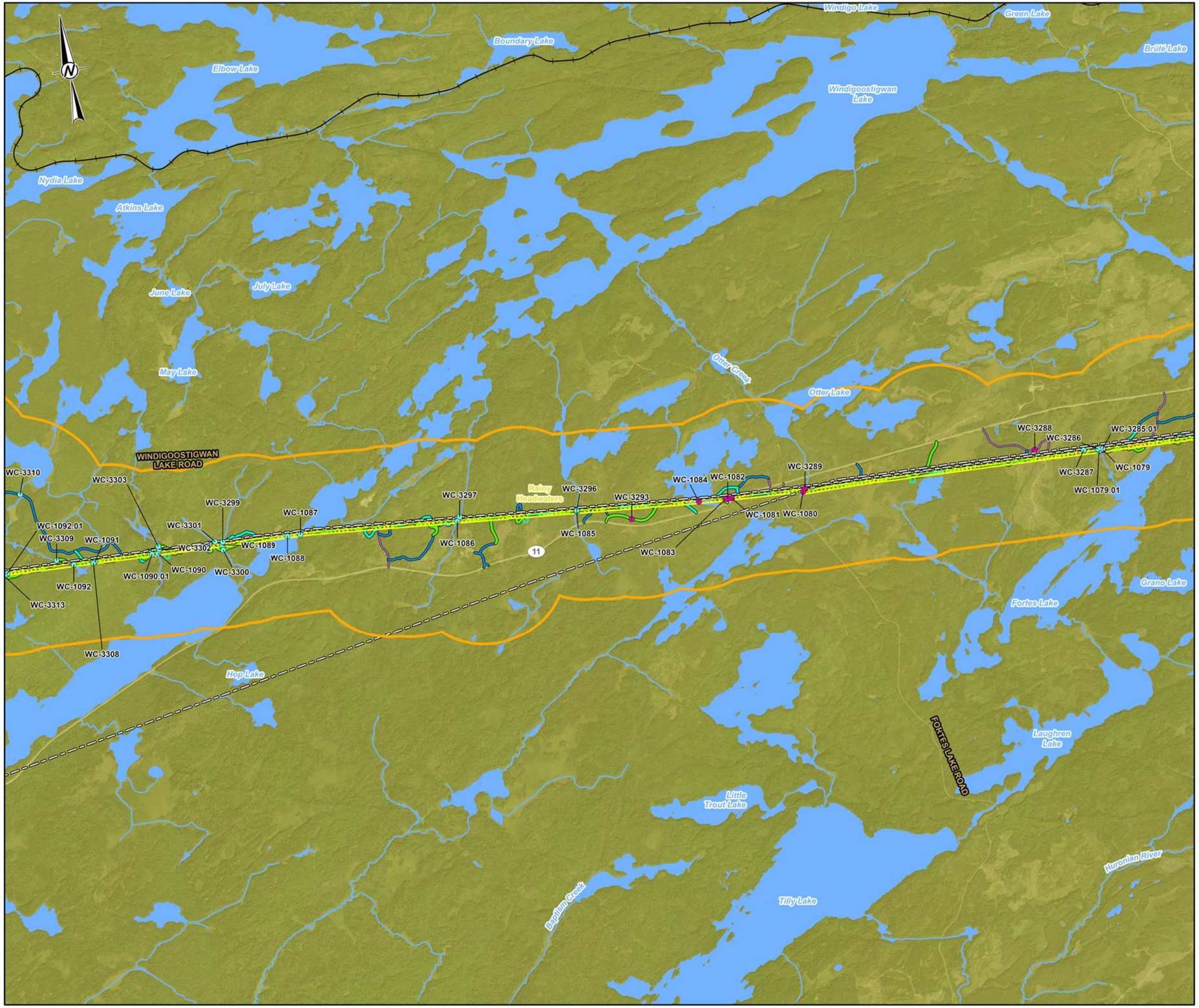

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
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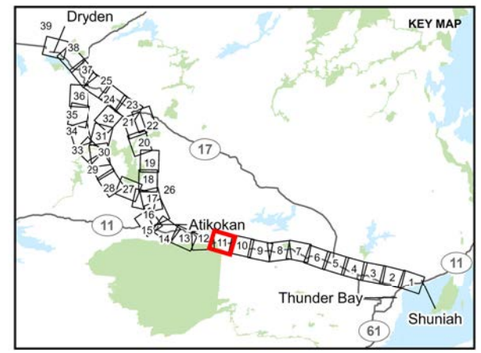
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- RAINY HEADWATERS



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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-11

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
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- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
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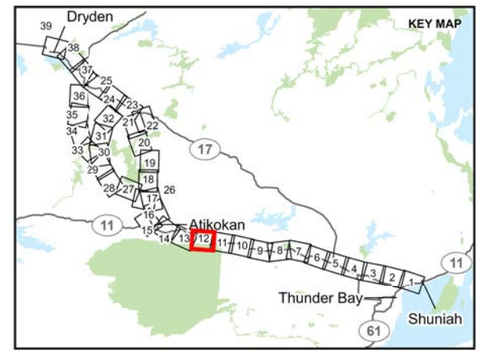
- WATERBODY

TERTIARY WATERSHED

- RAINY HEADWATERS



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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-12

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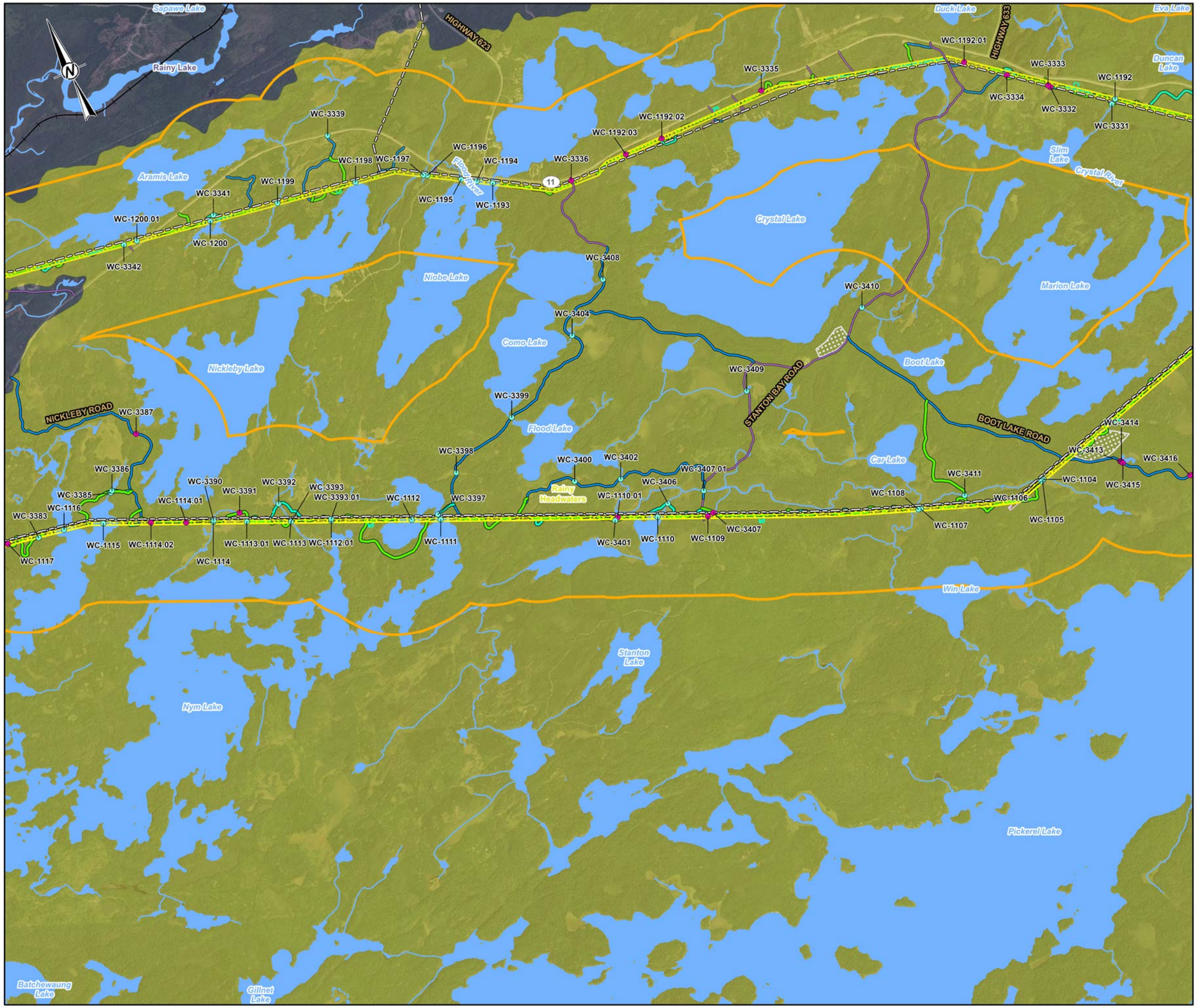
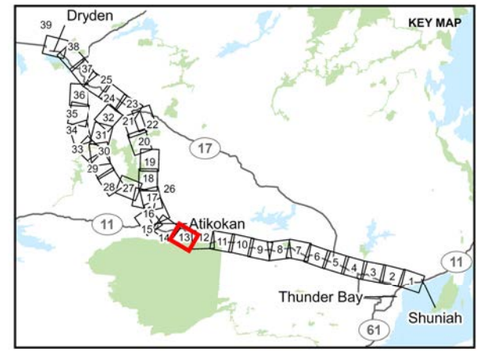


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- RAINY HEADWATERS
- RAINY LAKE



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-13

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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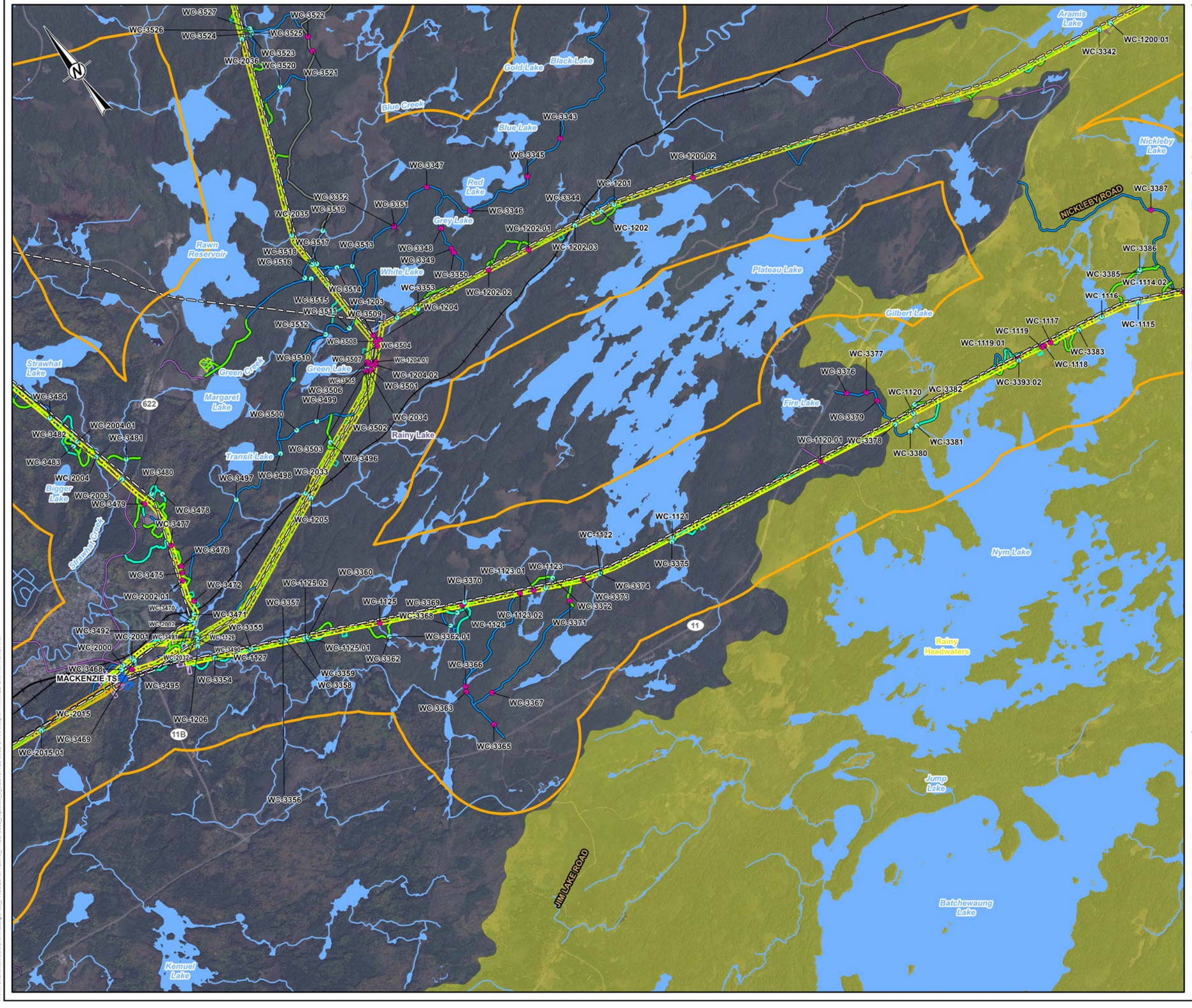
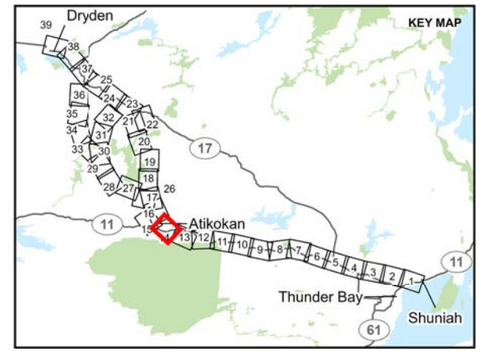


LEGEND

- 230 kV TRANSFORMER STATION (TS)
- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- TRANSFORMER STATION FENCELINE - EXISTING
- TRANSFORMER STATION FENCELINE - APPROXIMATE AREA OF EXPANSION
- D26A / F25A CIRCUIT SEPARATION
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- RAINY HEADWATERS
- RAINY LAKE



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-14

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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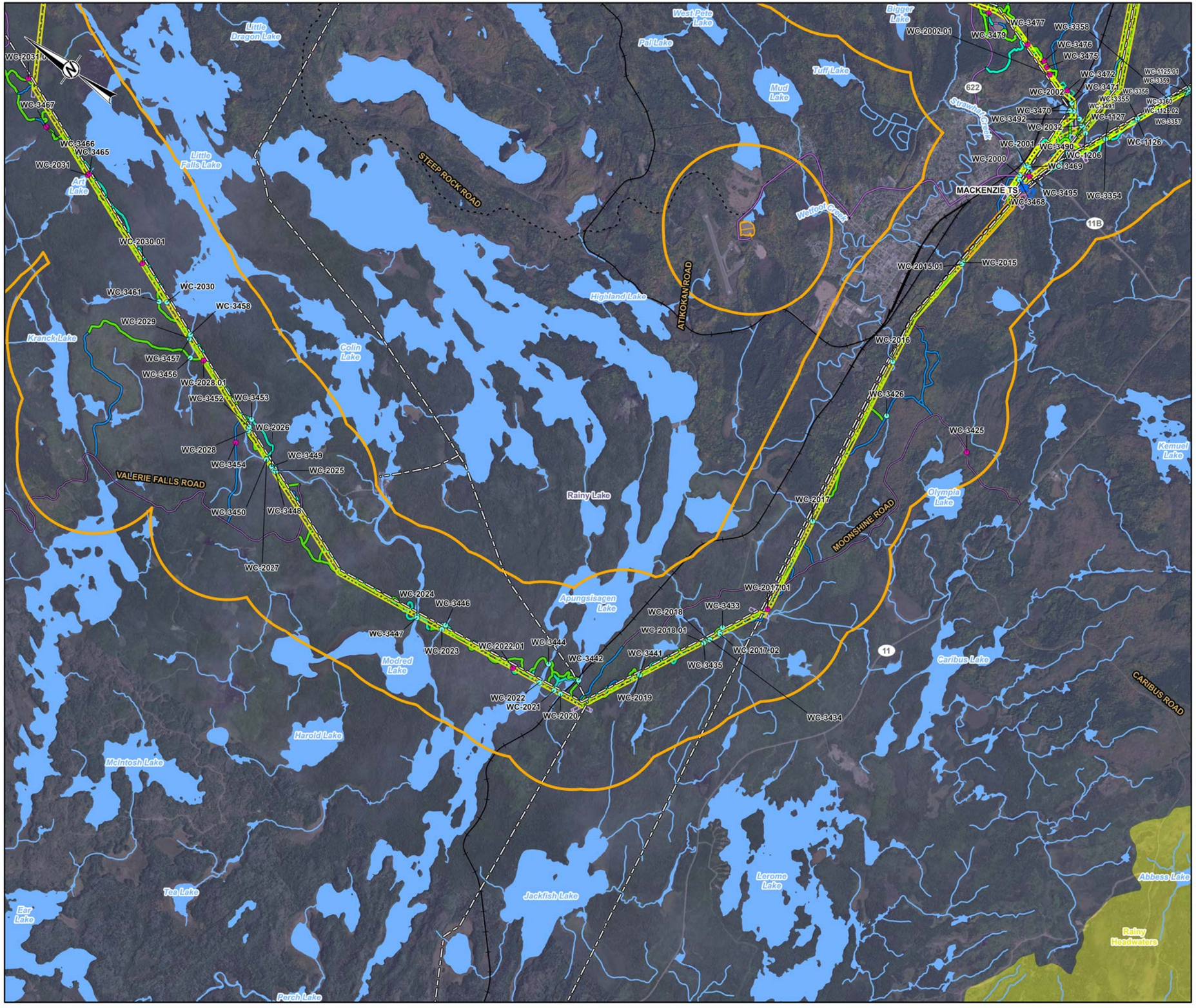


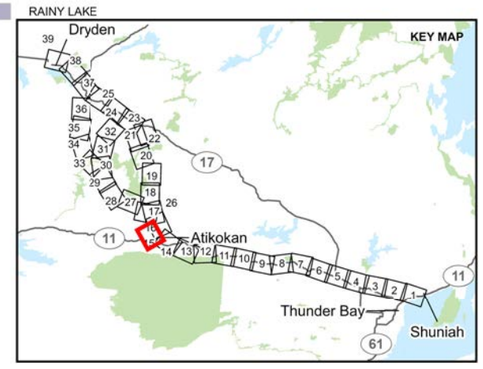
LEGEND

- 230 kV TRANSFORMER STATION (TS)
- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- TRANSFORMER STATION FENCELINE - EXISTING
- TRANSFORMER STATION FENCELINE - APPROXIMATE AREA OF EXPANSION
- D26A / F25A CIRCUIT SEPARATION
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- RAINY HEADWATERS
- RAINY LAKE

KEY MAP



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1:50,000 KILOMETRES

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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-15

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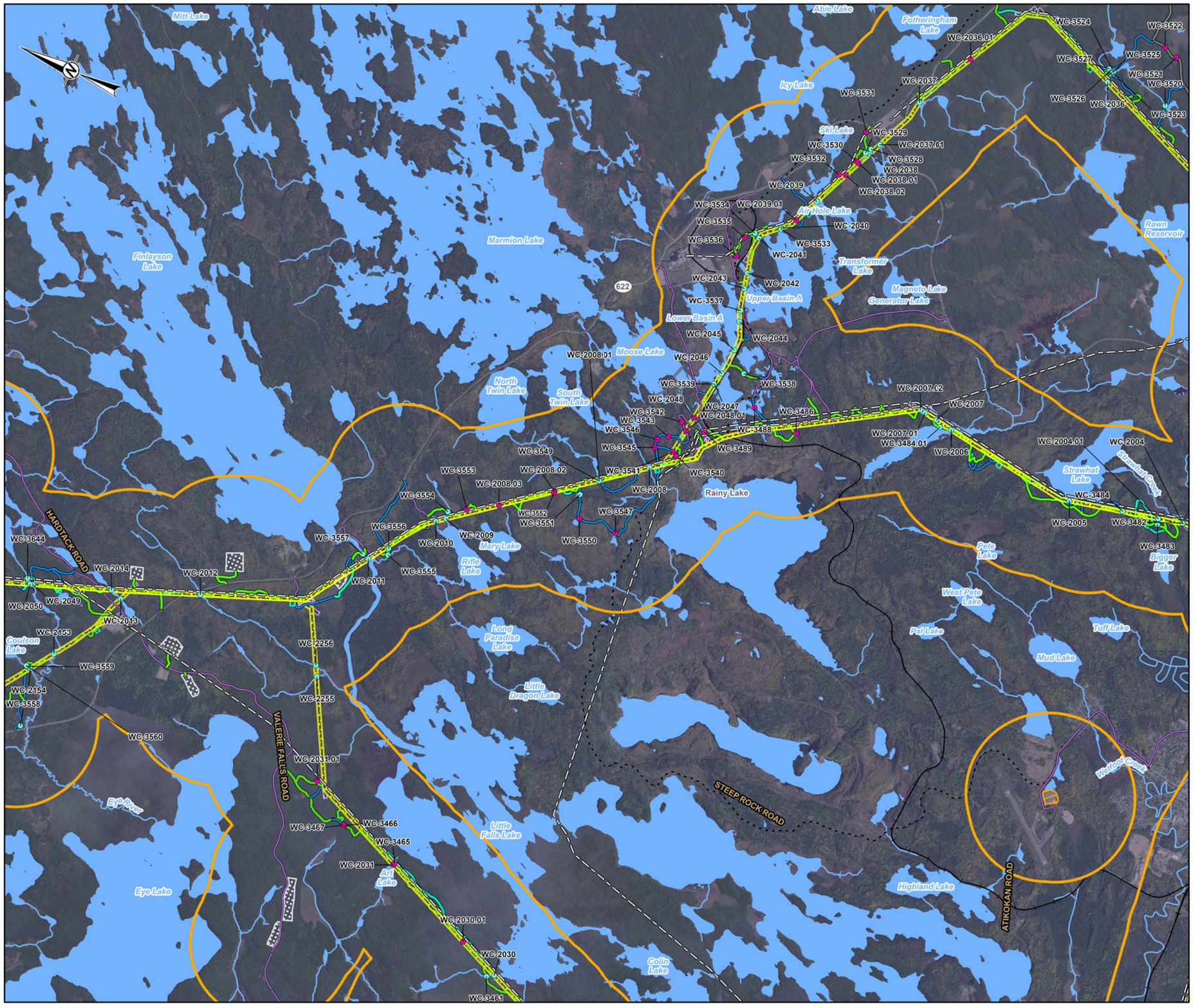
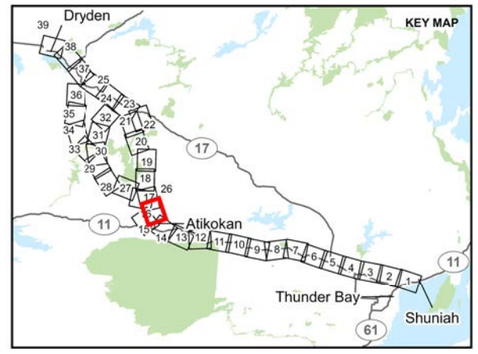


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- RAINY LAKE



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-16

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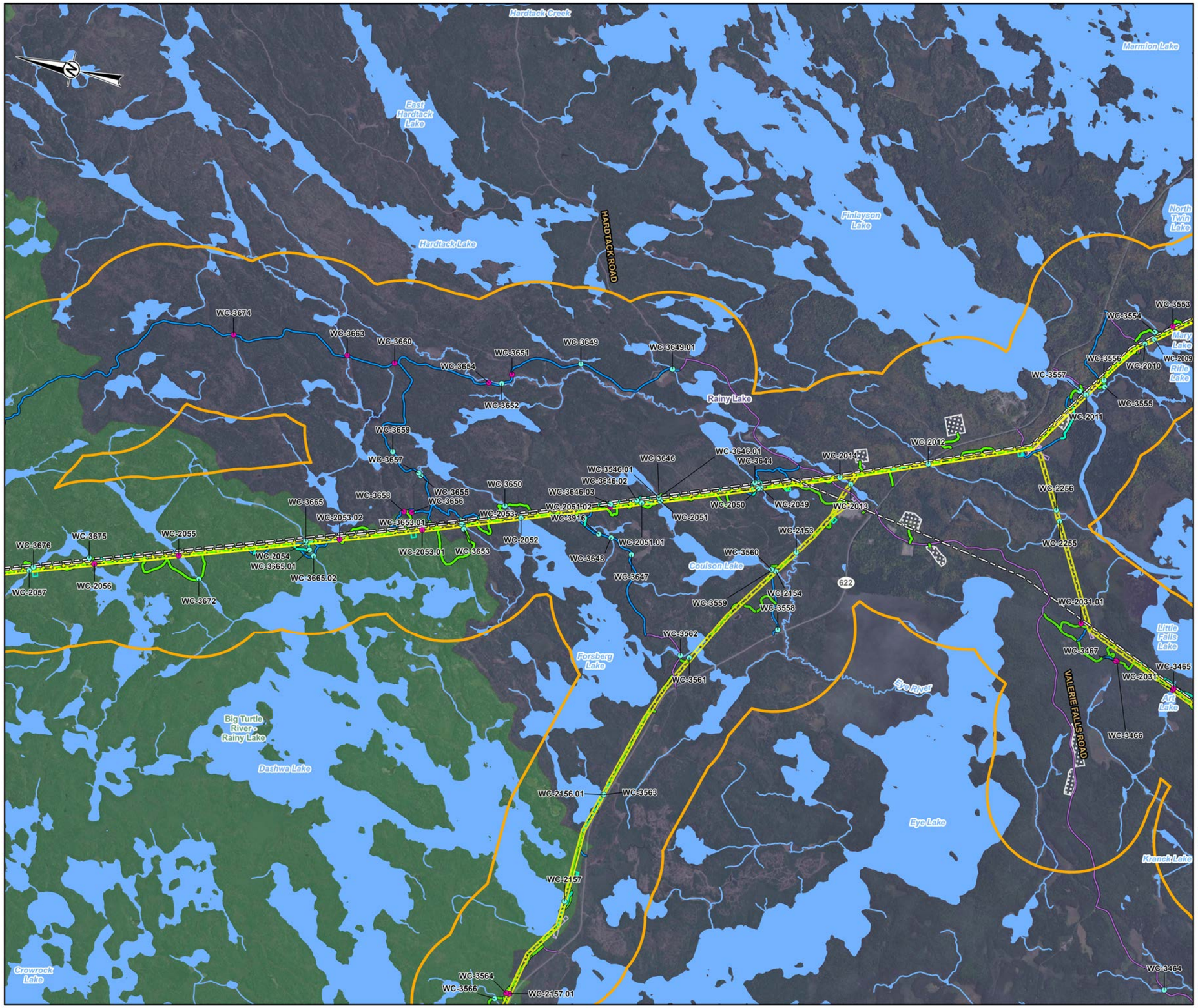
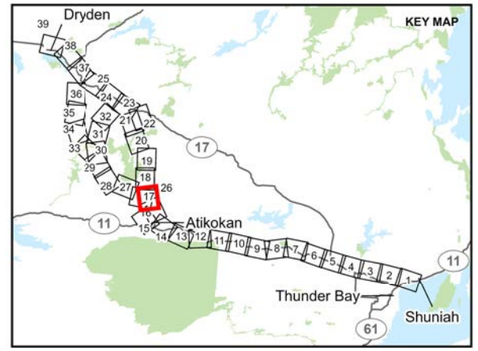


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- RAINY LAKE



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-17

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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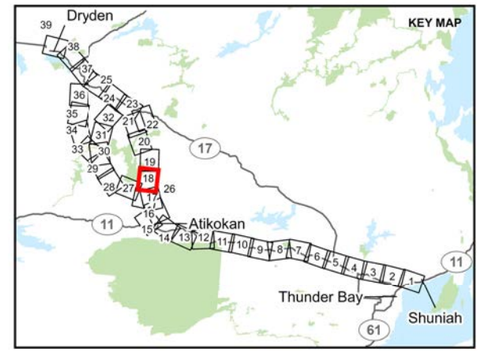
LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- RAINY LAKE



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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT
wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-18

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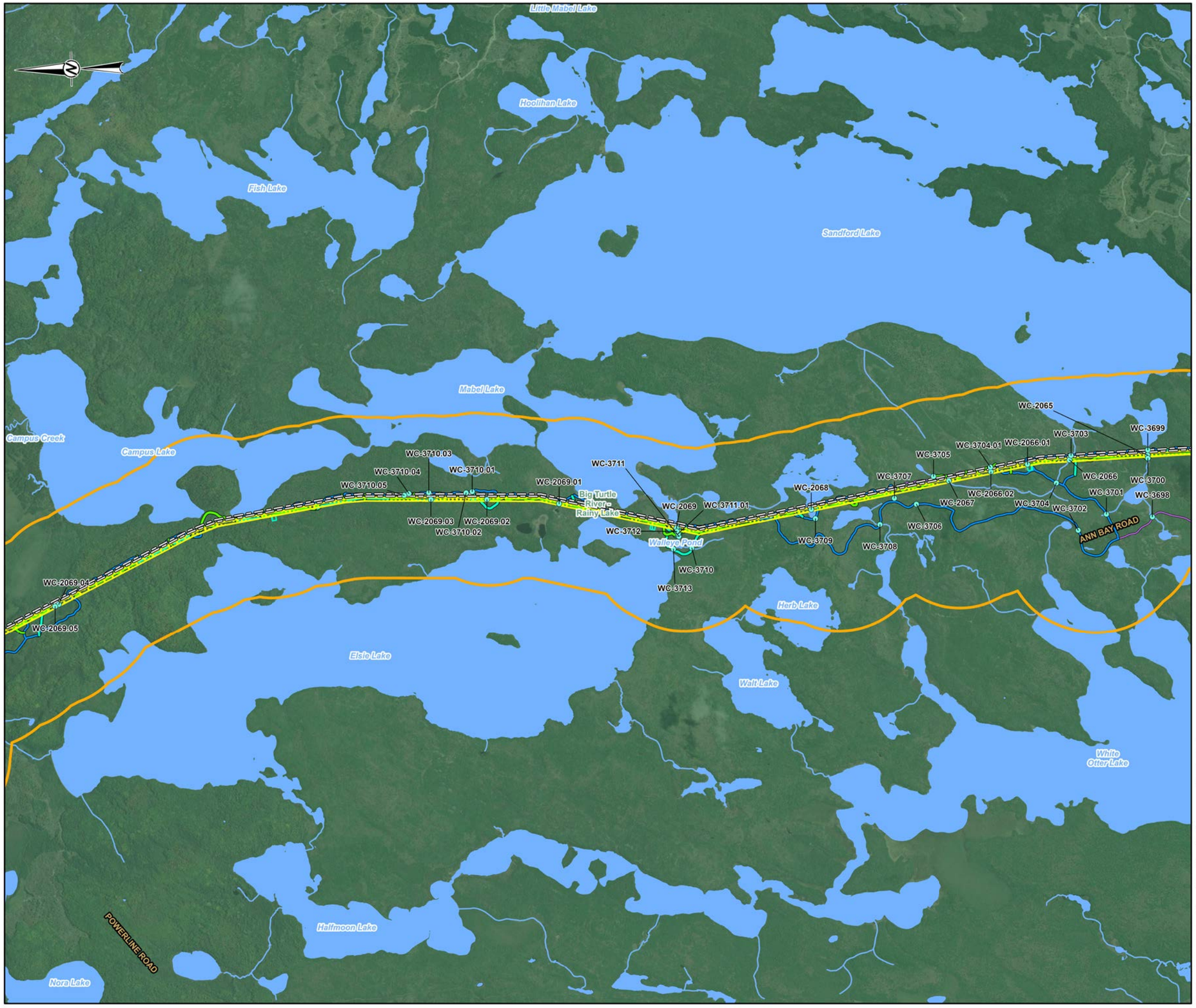
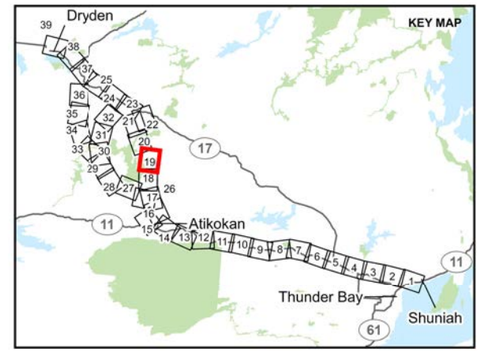


LEGEND

- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER



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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-19

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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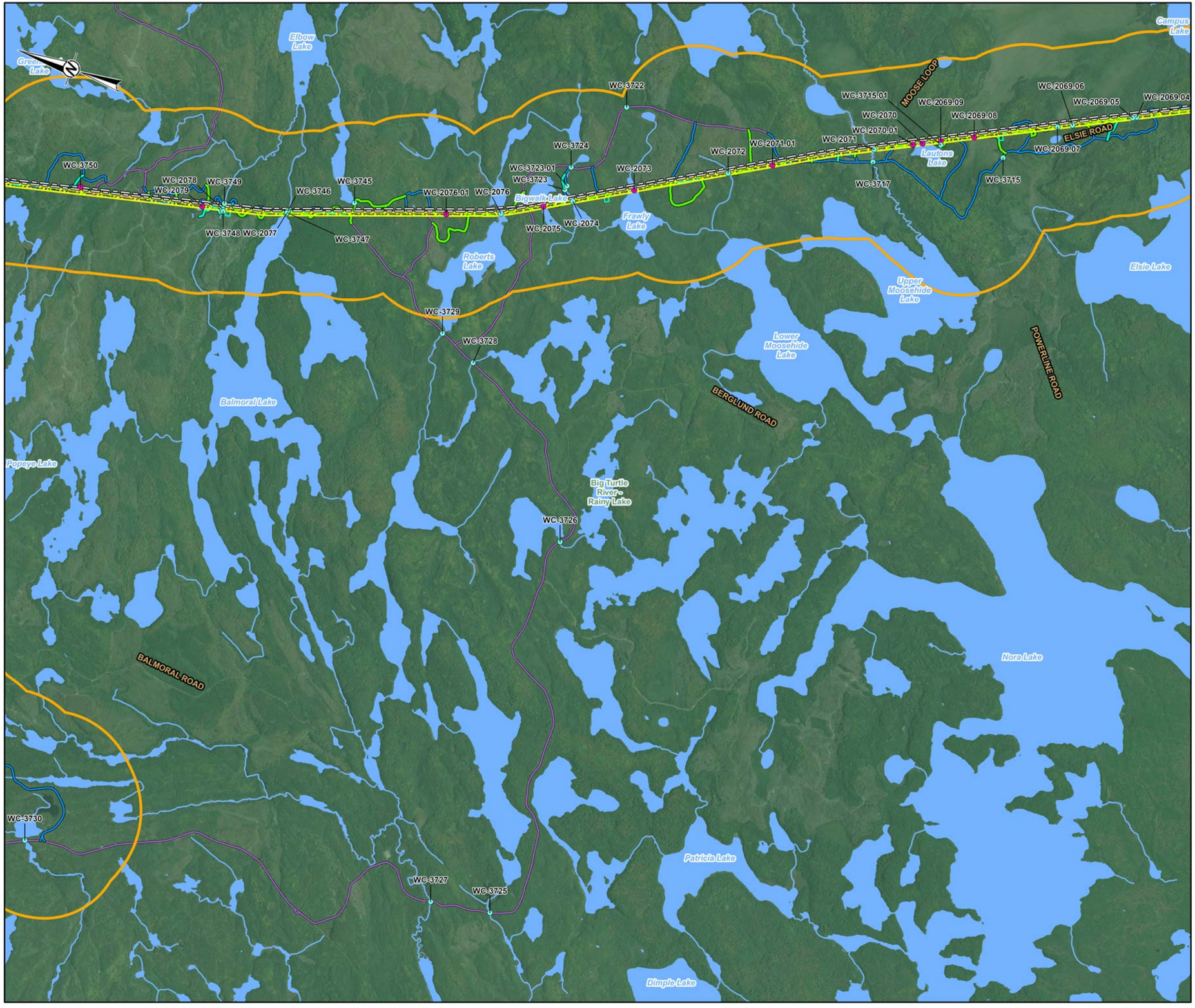
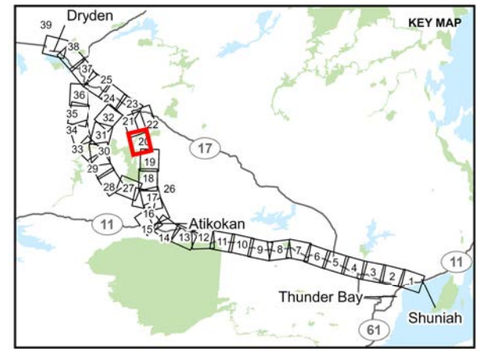


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-20

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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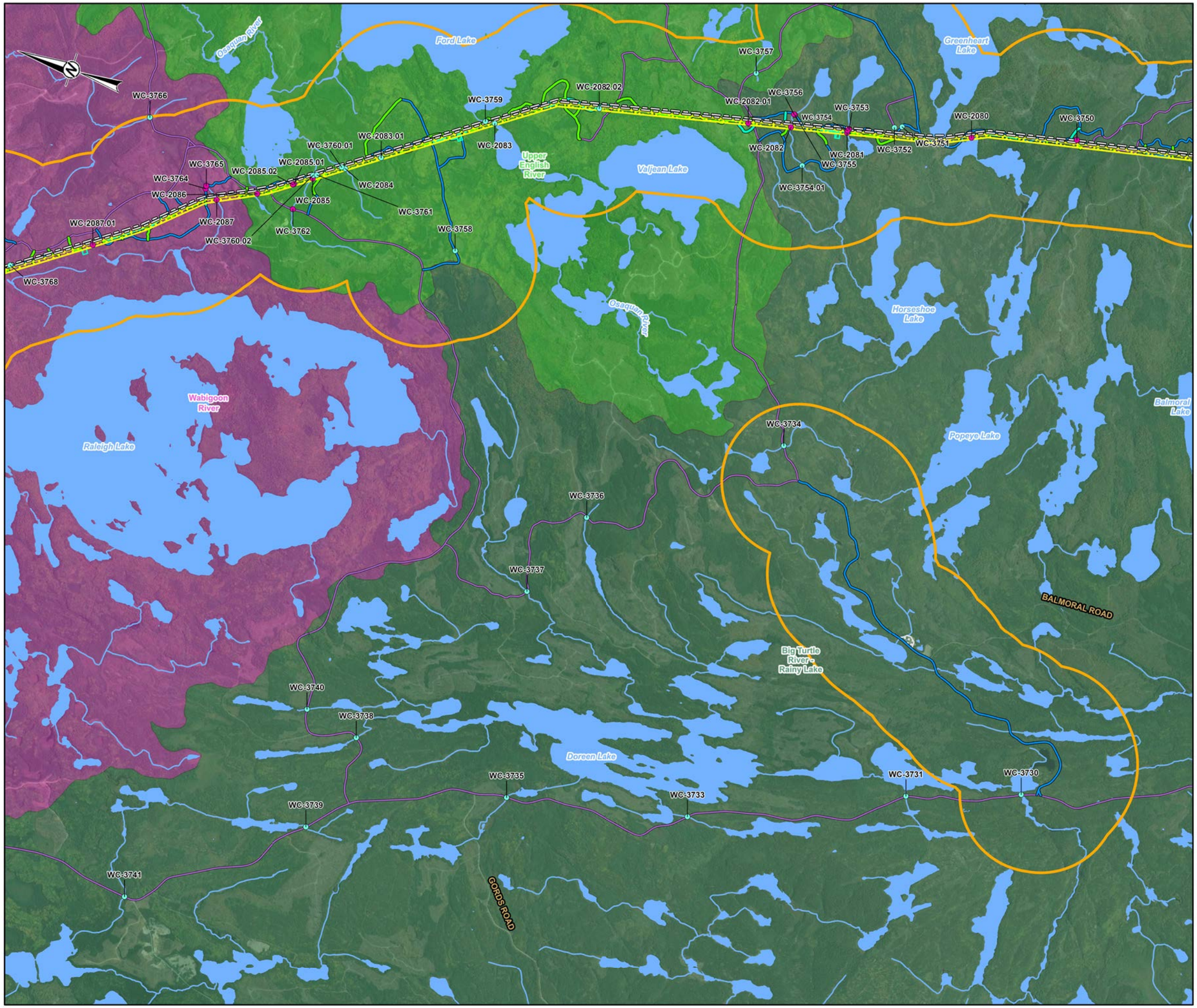
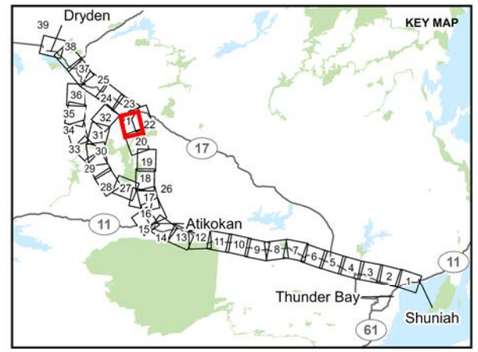


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- UPPER ENGLISH RIVER
- WABIGOON RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-21

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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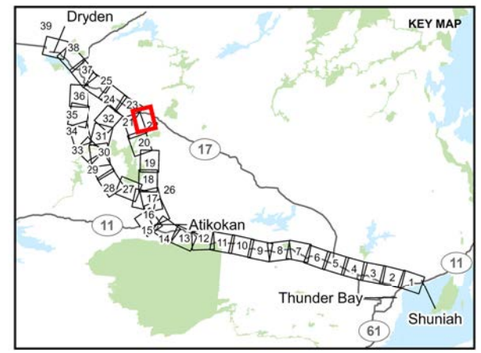
LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- UPPER ENGLISH RIVER
- WABIGOON RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

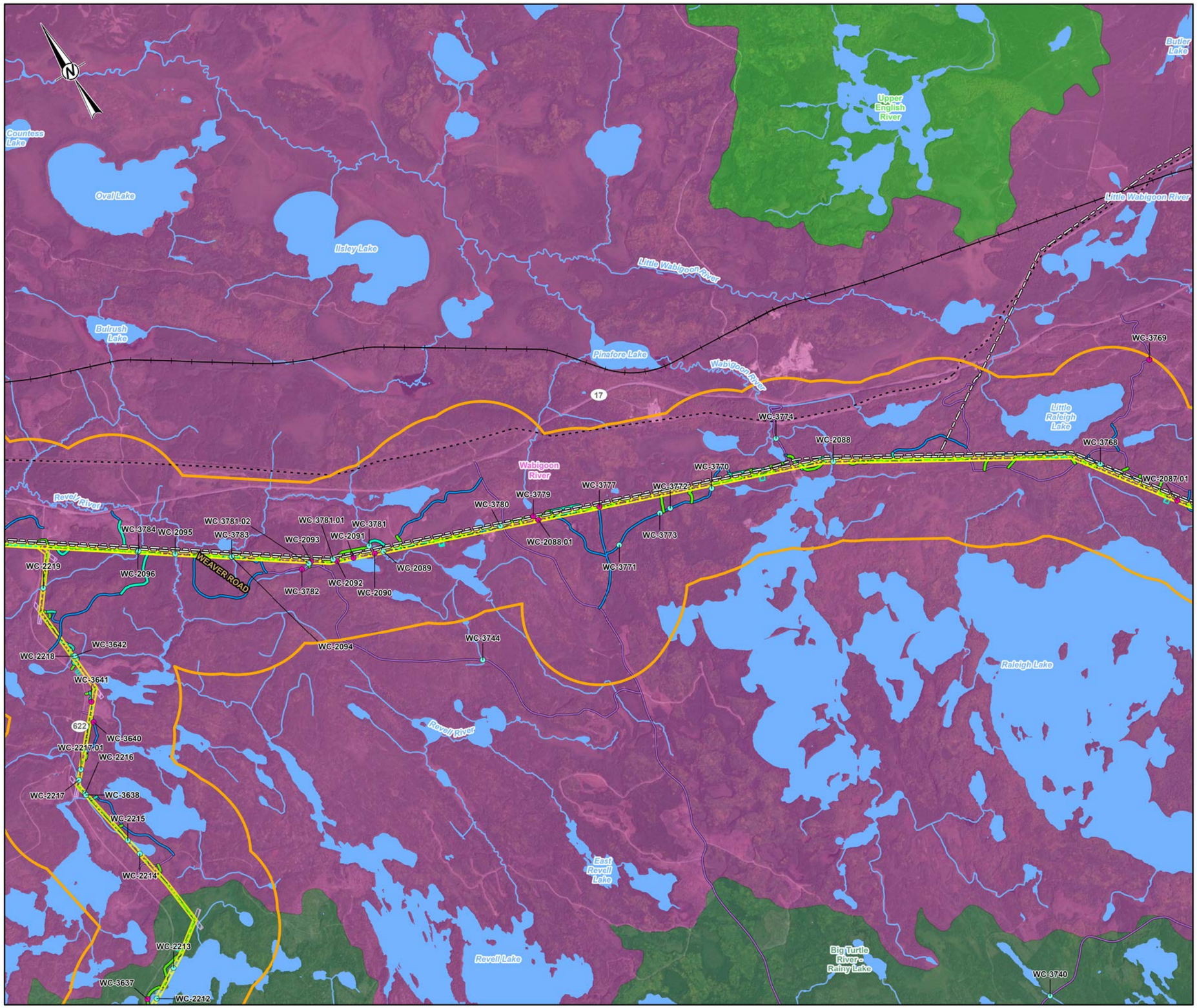
YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-22

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

PATH: S:\Clients\HydroOne\Waasigan\99_PROJ\20137728\40_PROD\0032_Aquatics_6_6\20137728-0032-G-XXXX.aprx PRINTED ON: AT: 1:06:49 PM

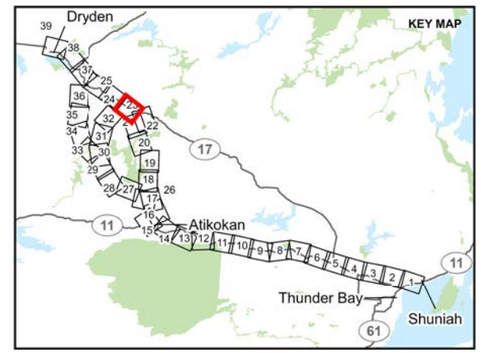


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- UPPER ENGLISH RIVER
- WABIGOON RIVER



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1:50,000 KILOMETRES

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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-23

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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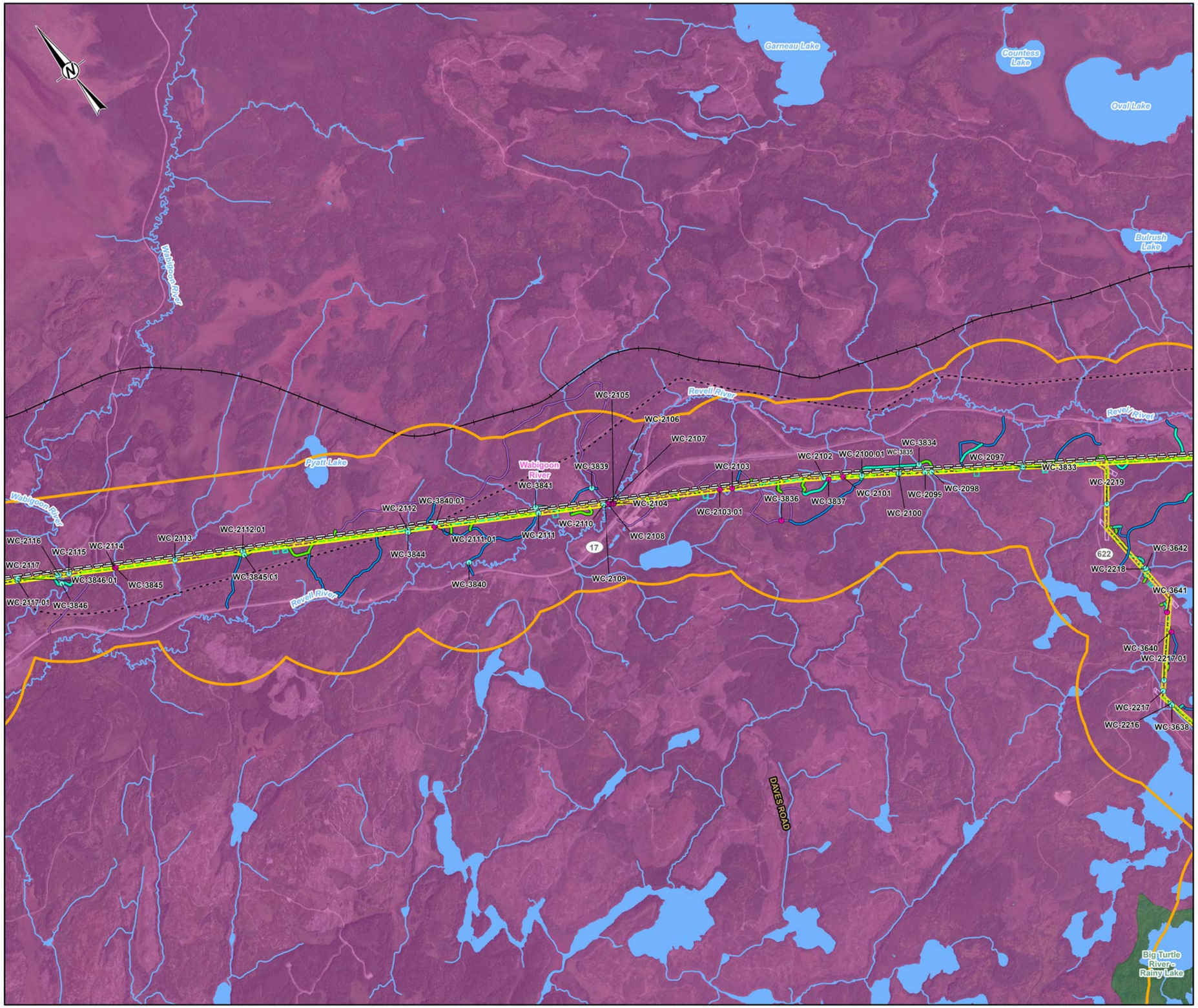
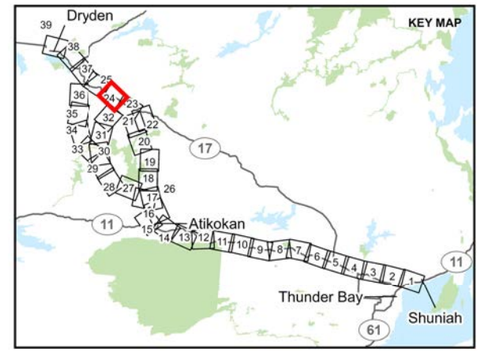


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- WABIGOON RIVER



0 1 2
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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-24

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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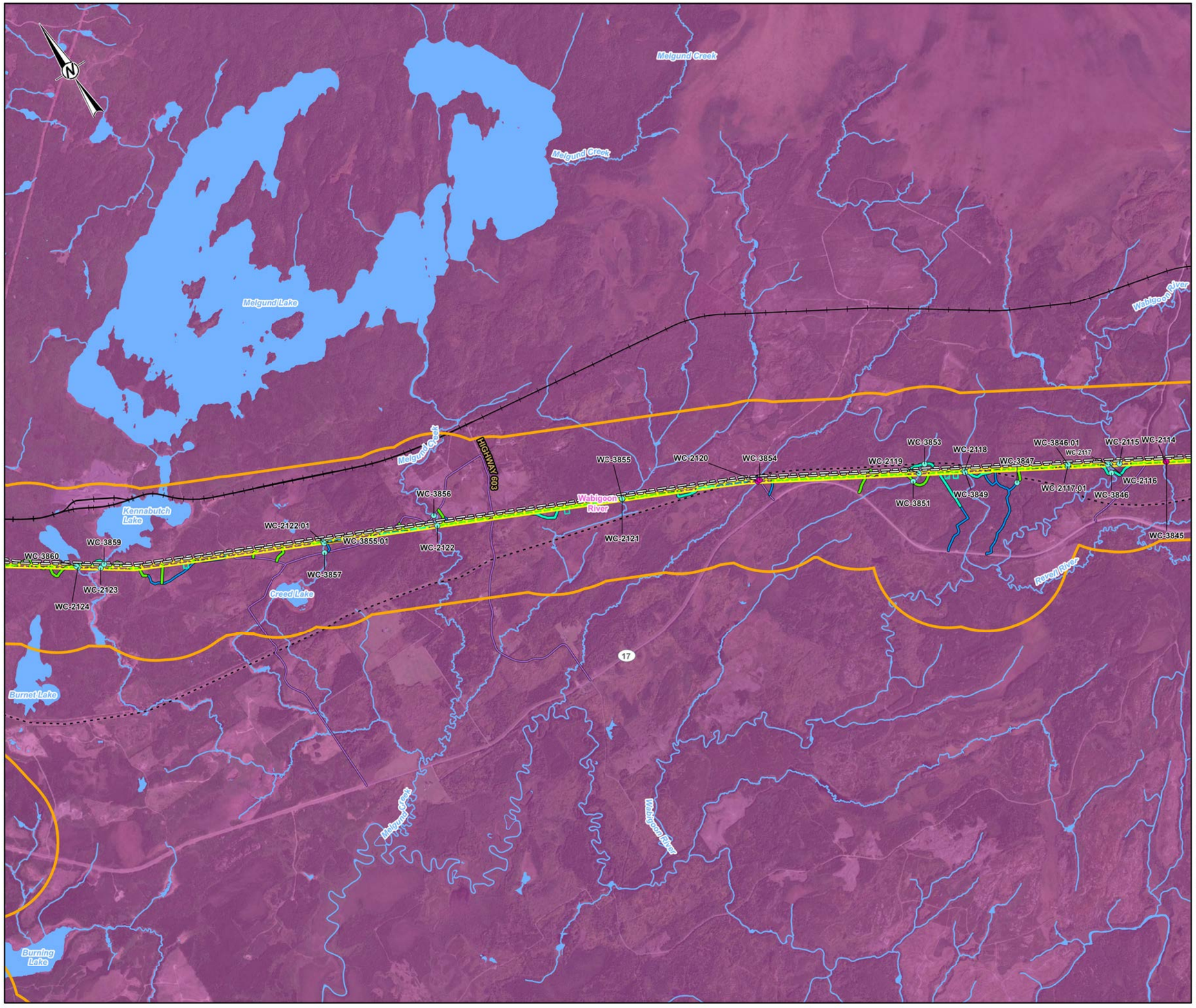
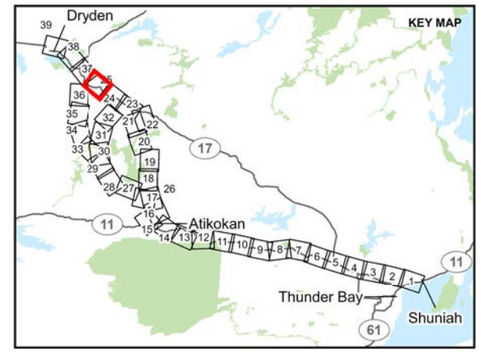


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- WABIGOON RIVER



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1:50,000 KILOMETRES

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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-25

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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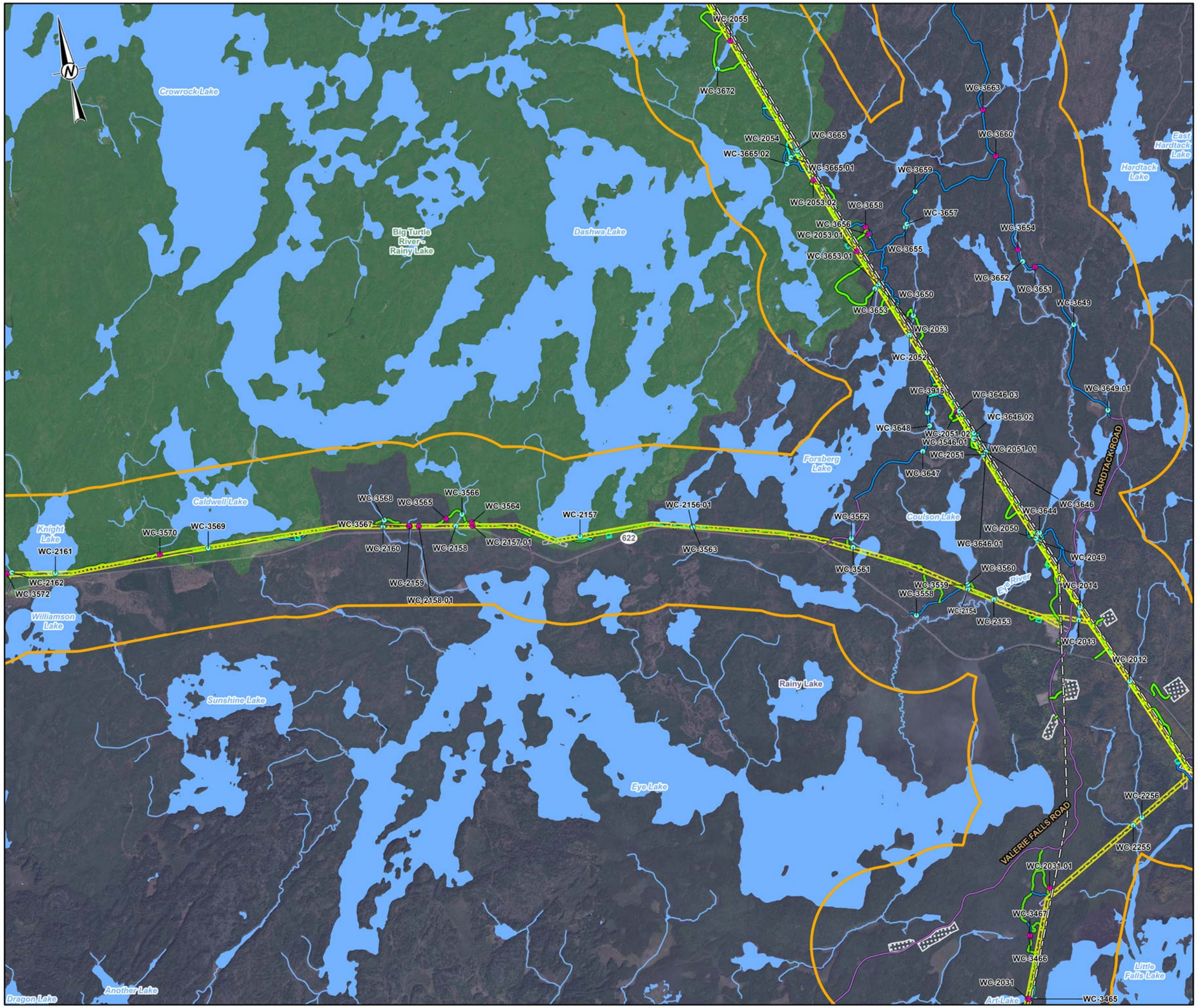
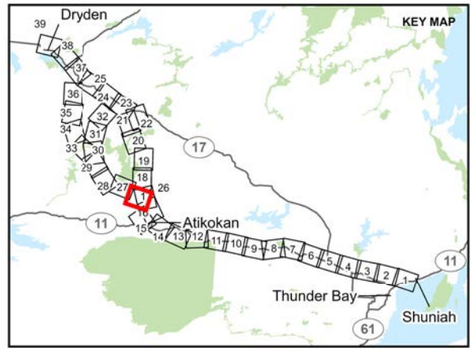


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- RAINY LAKE



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1:50,000 KILOMETRES

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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-26

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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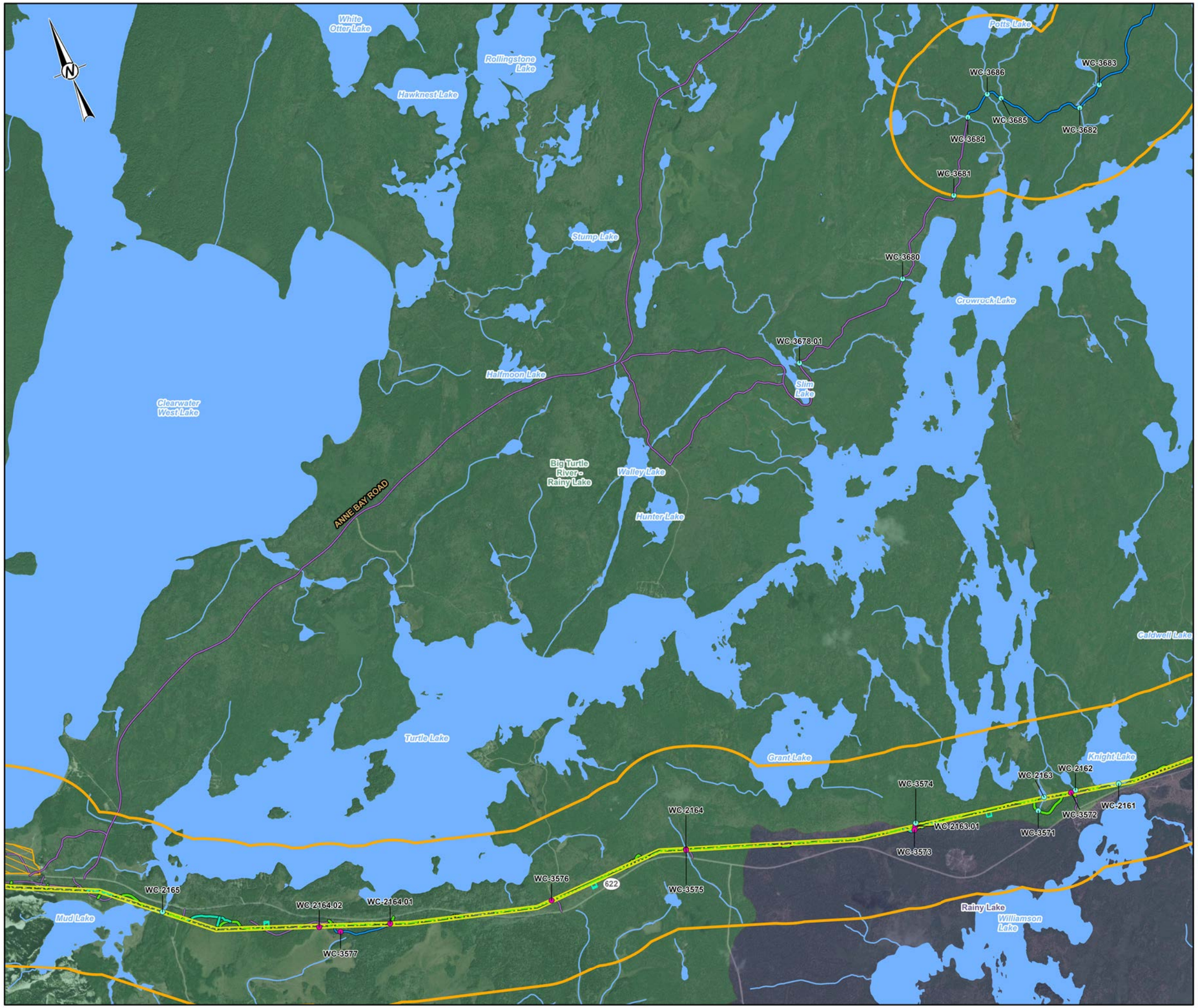
PATH: S:\Clients\HydroOne\Waasigan\99_PROJ\20137728\40_PROD\0032_Aquatics_6_6\20137728-0032-G-XXXX.aprx, PRINTED ON: AT: 1:09:30 PM

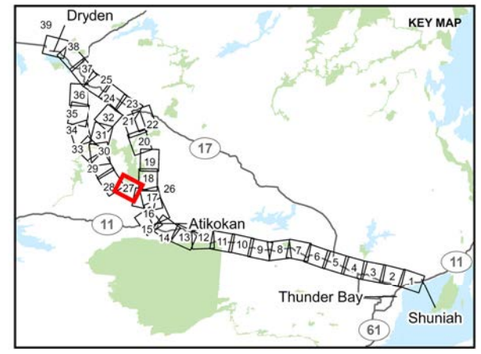


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- RAINY LAKE



0 1 2

1:50,000 KILOMETRES

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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-27

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

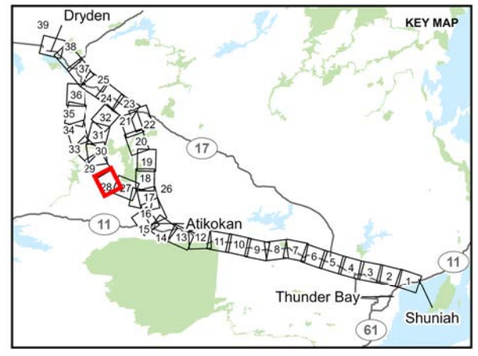
PATH: S:\Clients\HydroOne\Waasigan\99_PROJ\20137728\40_PROD\0032_Aquatics 6_6\20137728-0032-G-XXXX.aprx, PRINTED ON: AT: 1:10:12 PM

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER



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1:50,000 KILOMETRES

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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-28

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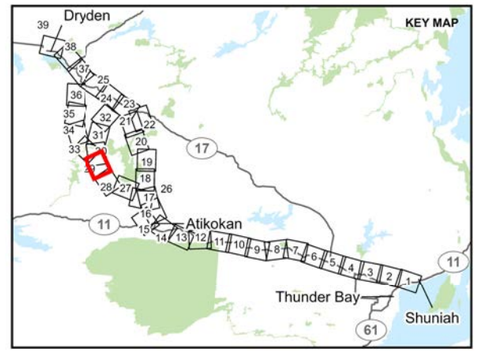
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER



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1:50,000 KILOMETRES

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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-29

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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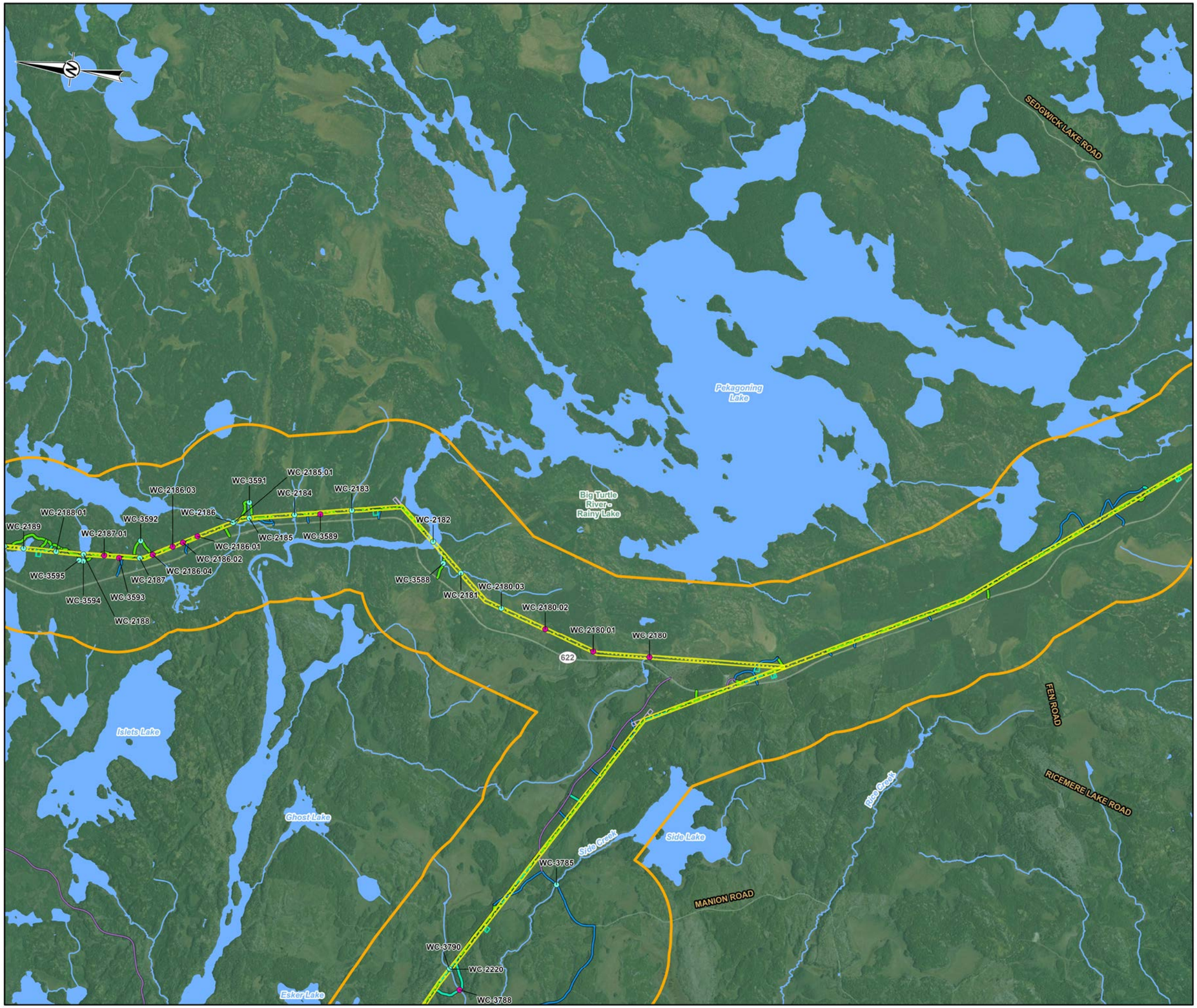
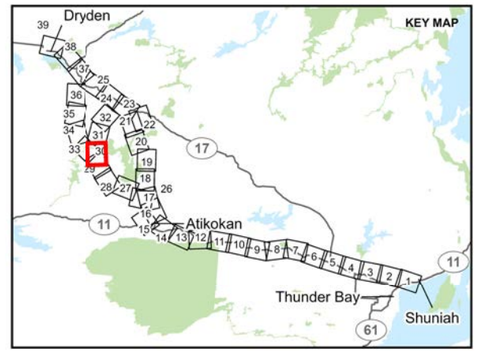


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER



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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-30

PATH: S:\Clients\HydroOne\Waasigan\99_PROJ\20137728\40_PROD\0032_Aquatics_6_6\20137728-0032-G-XXXX.aprx PRINTED ON: AT: 1:12:11 PM
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25mm
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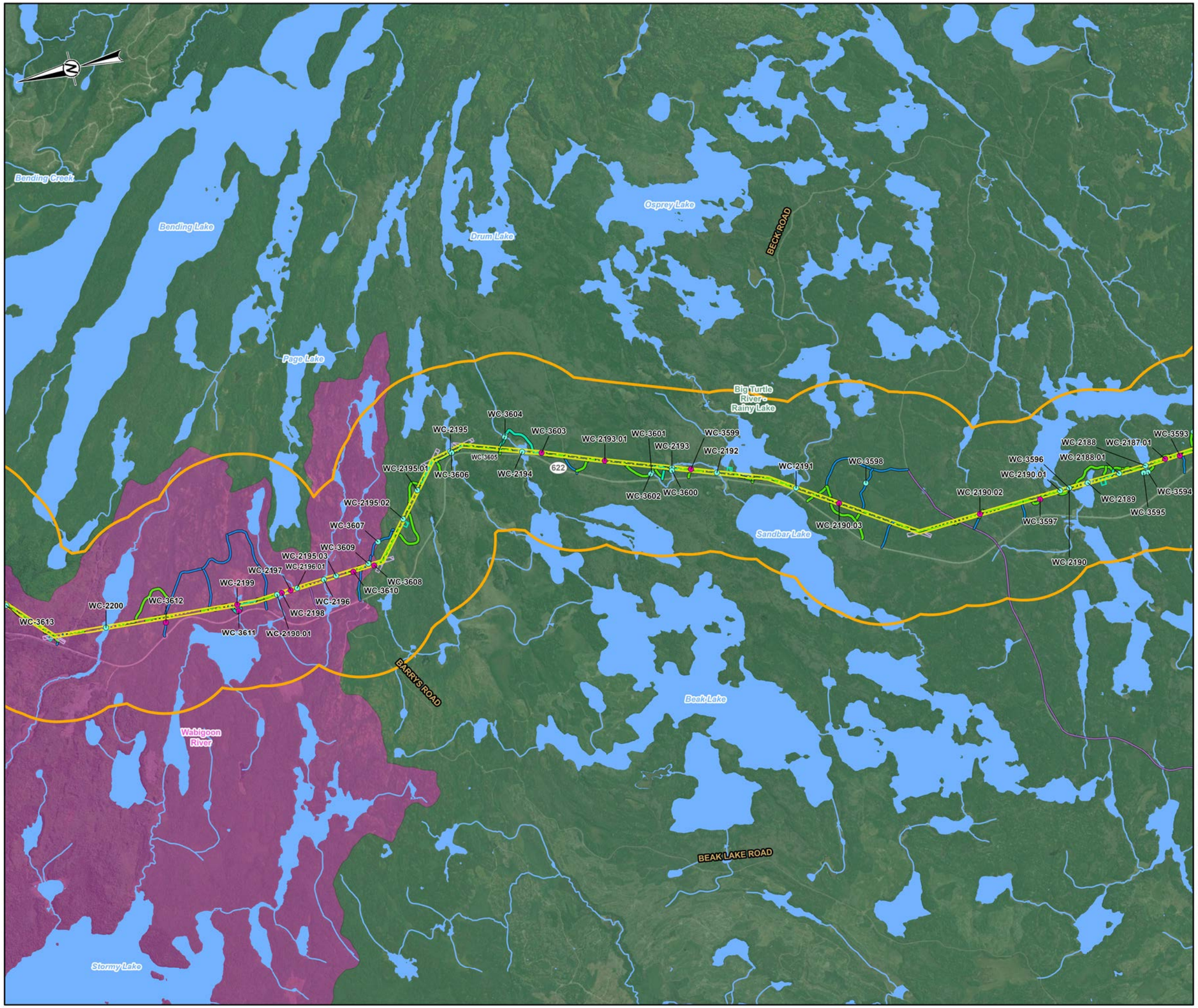
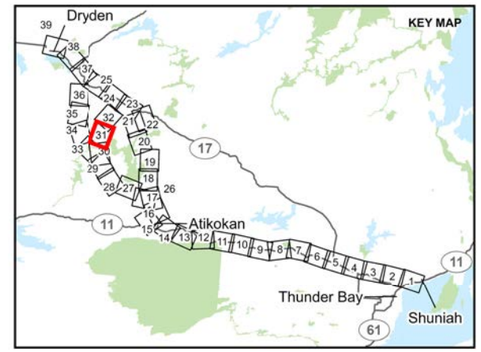


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- WABIGOON RIVER



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1:50,000 KILOMETRES

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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-31

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

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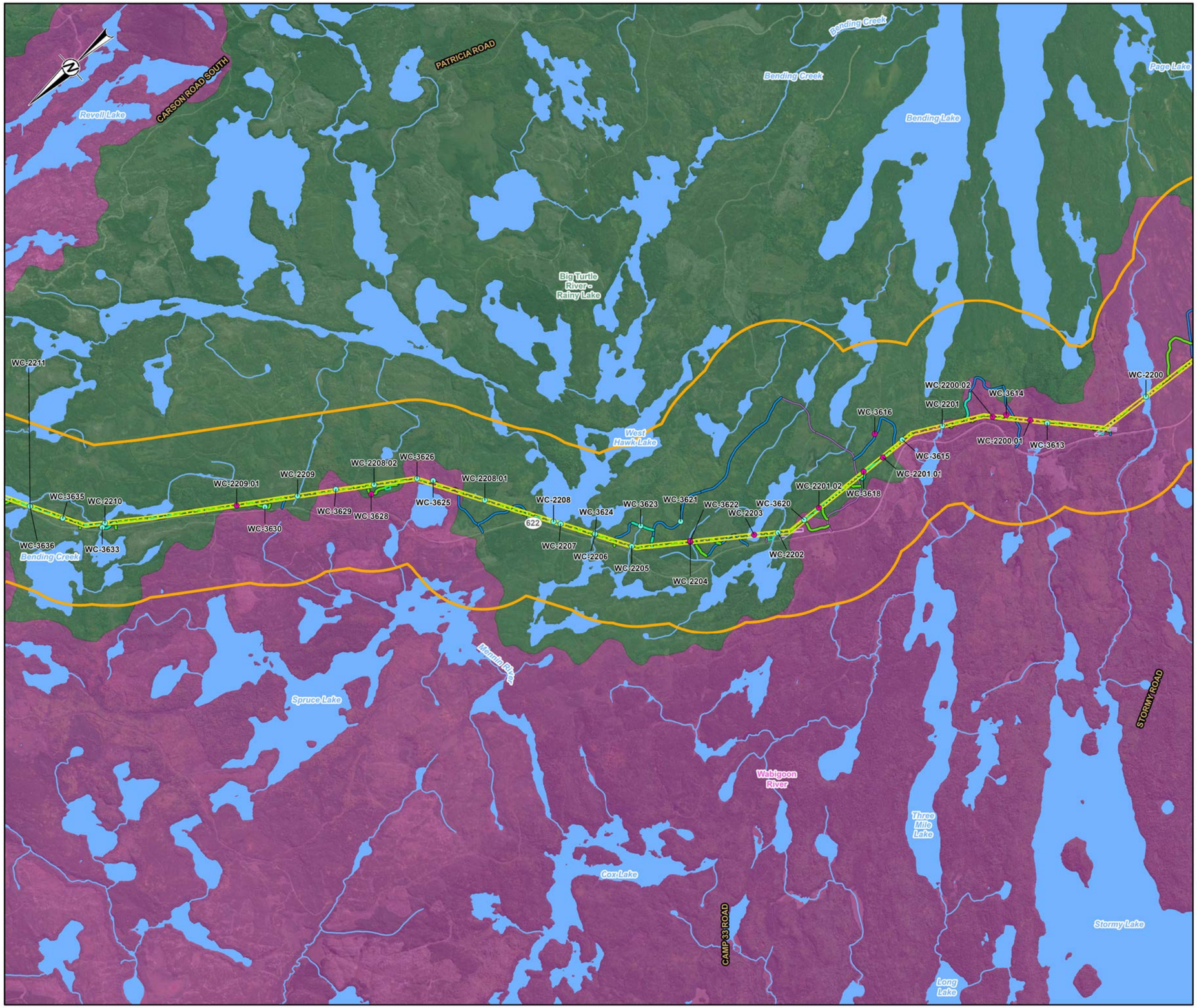
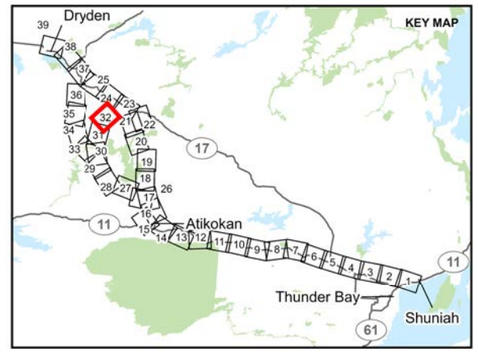


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- WABIGOON RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-32

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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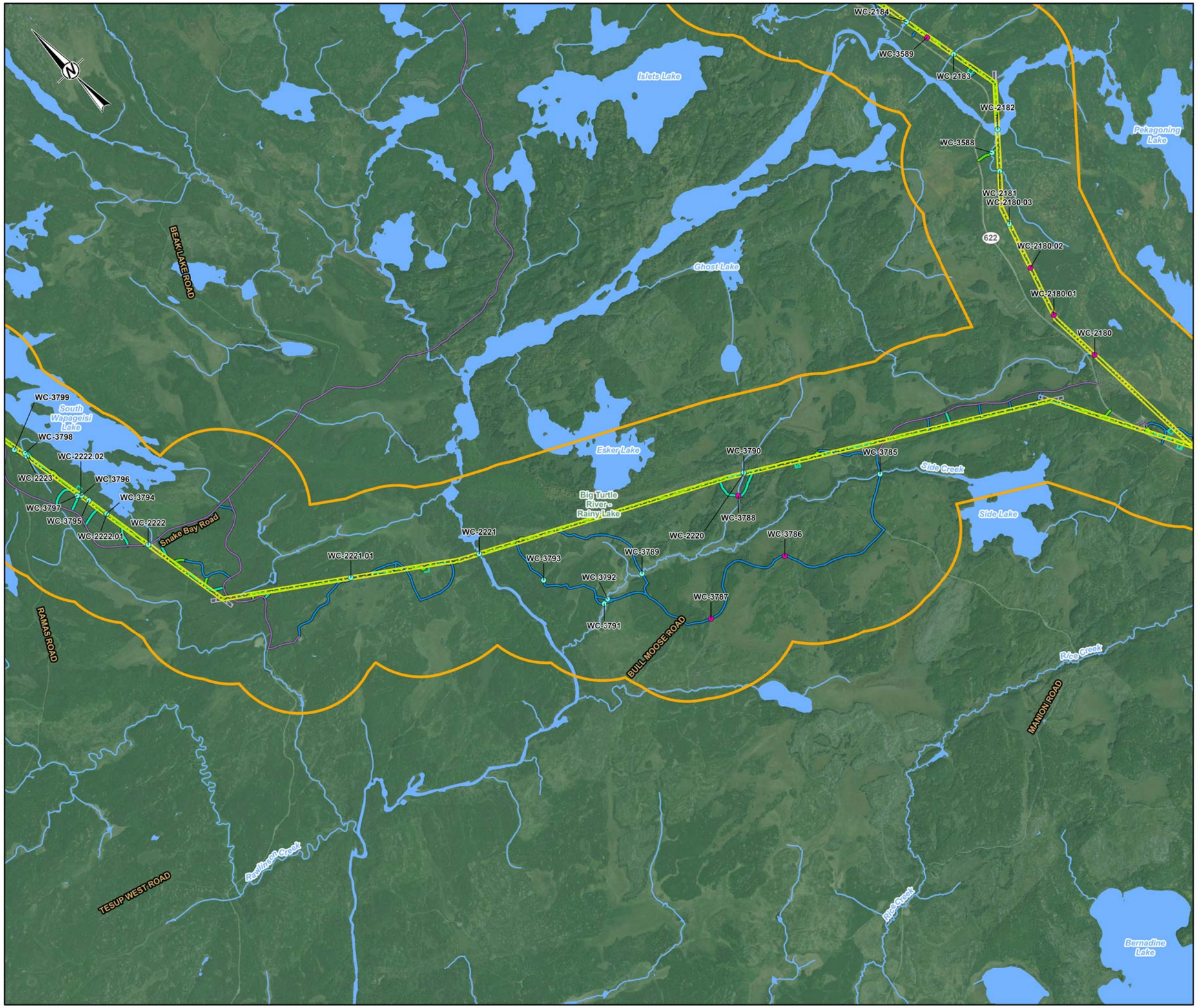
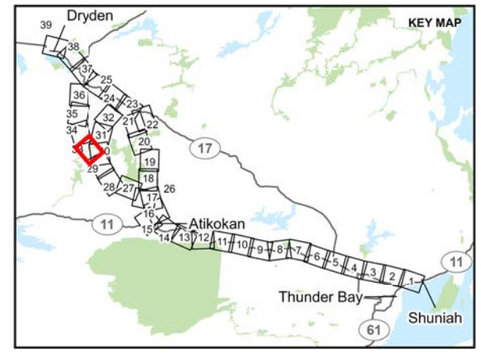


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER



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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT
wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-33

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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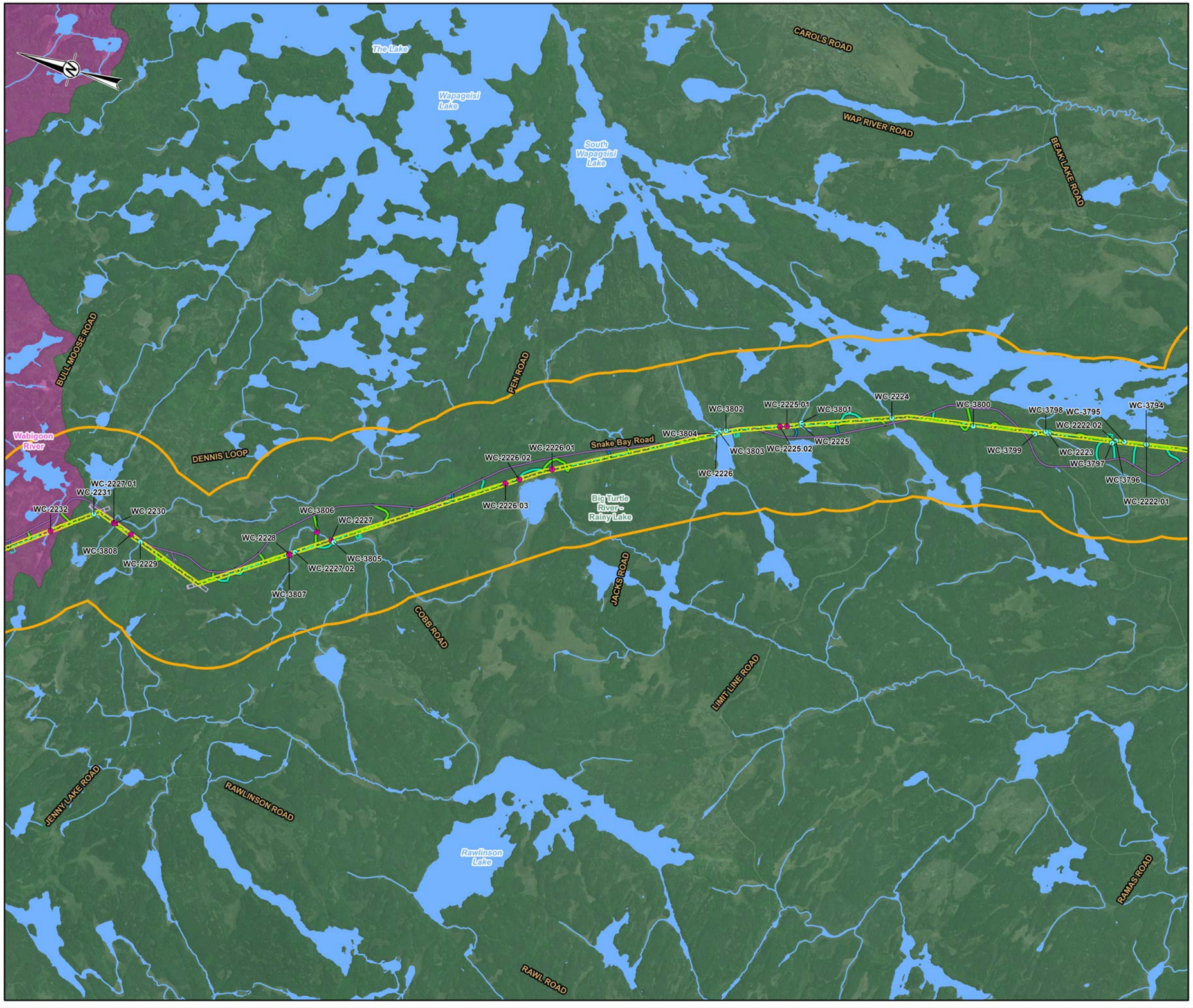
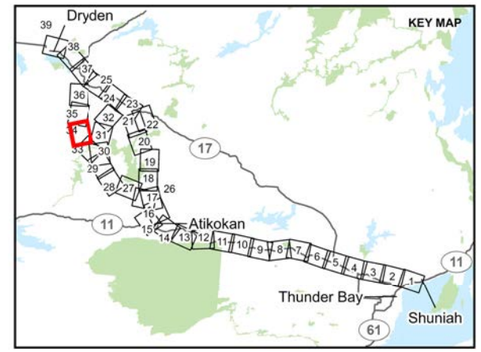


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- WABIGOON RIVER



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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-34

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

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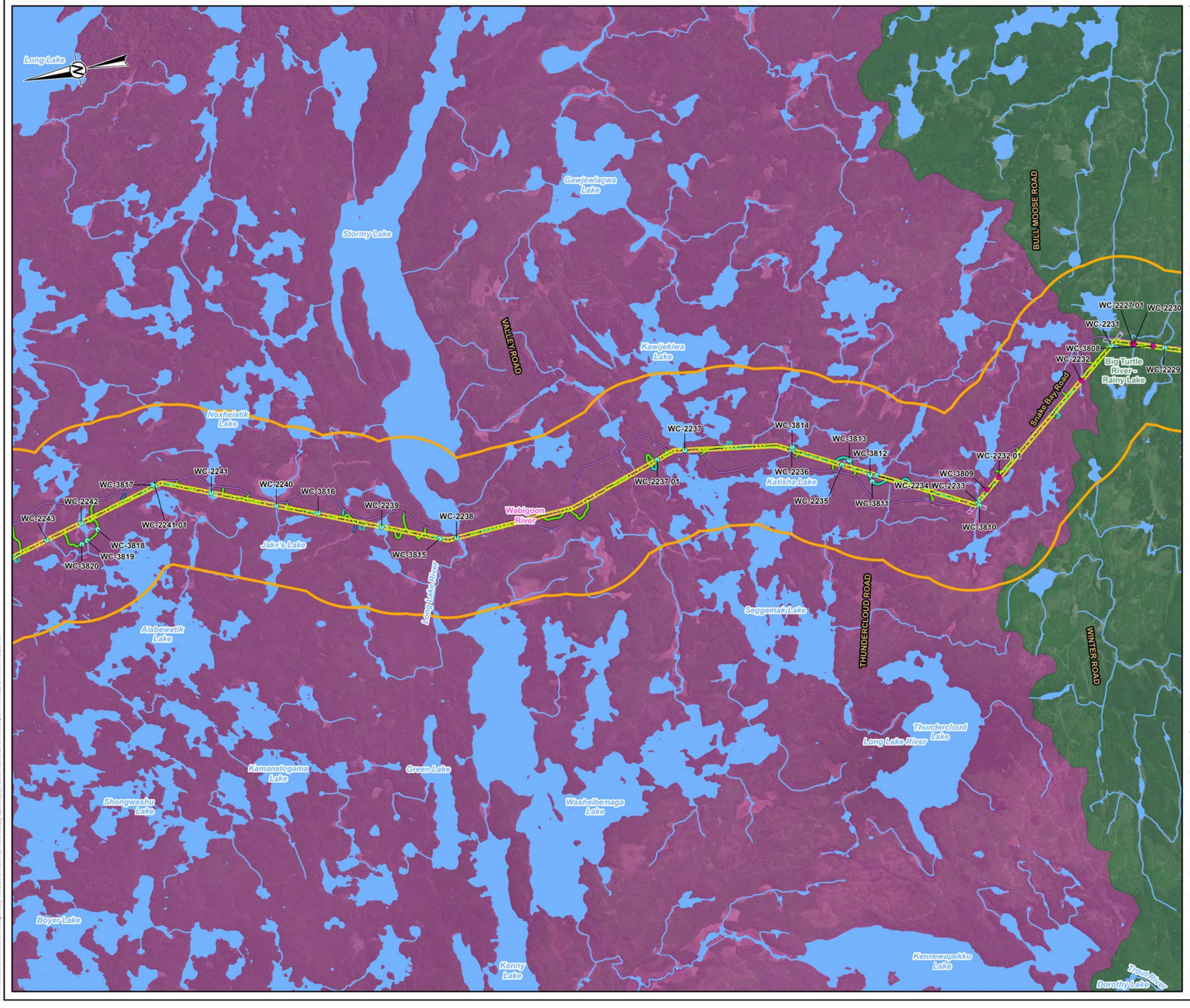
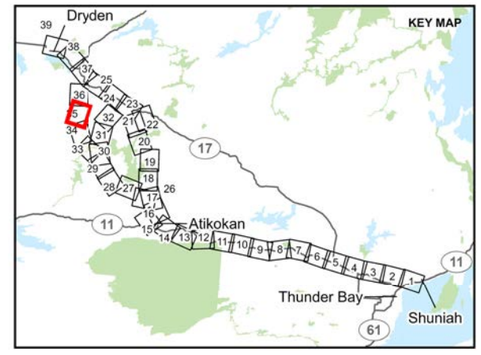


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- BIG TURTLE RIVER
- WABIGOON RIVER



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PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
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APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-35

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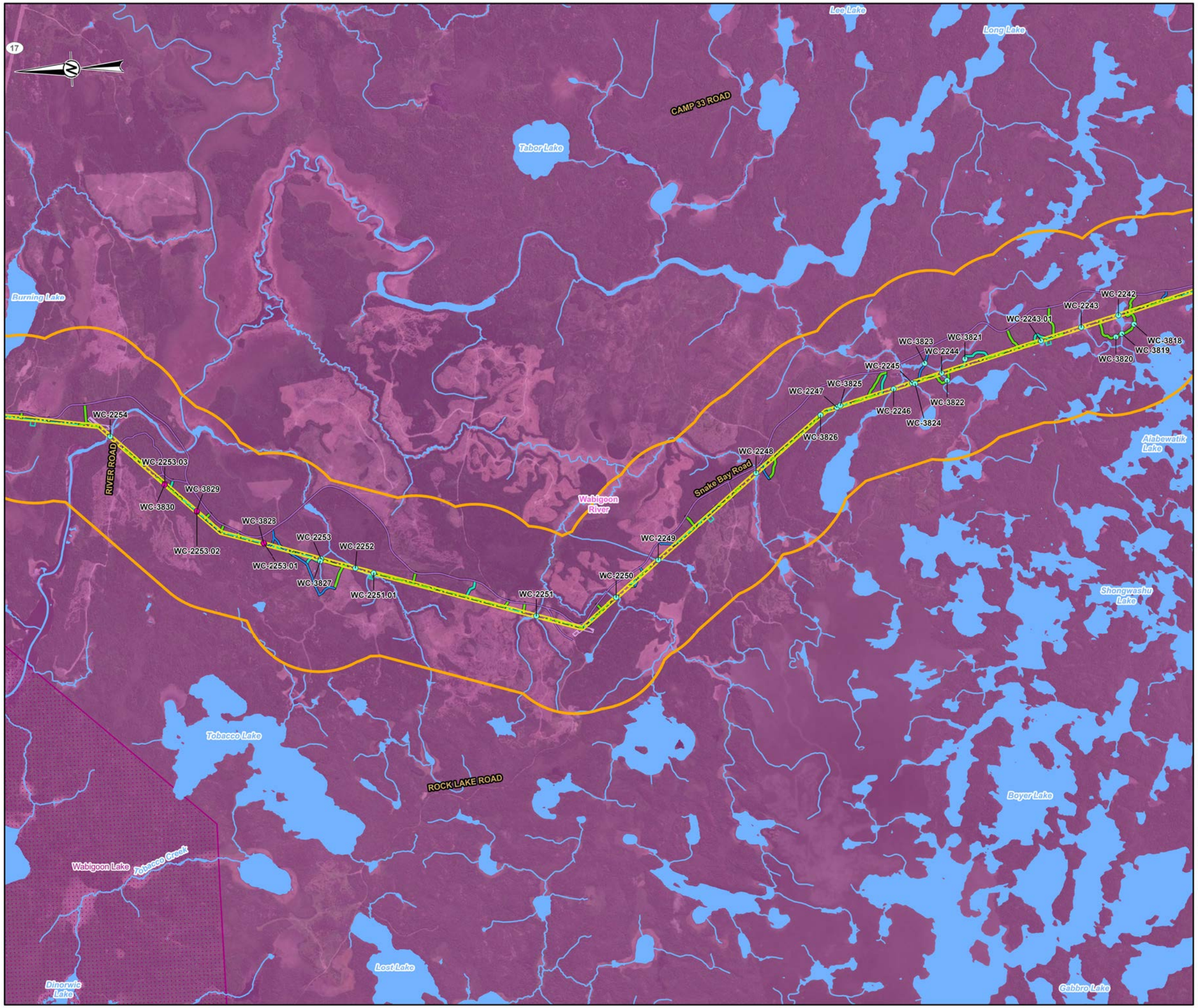
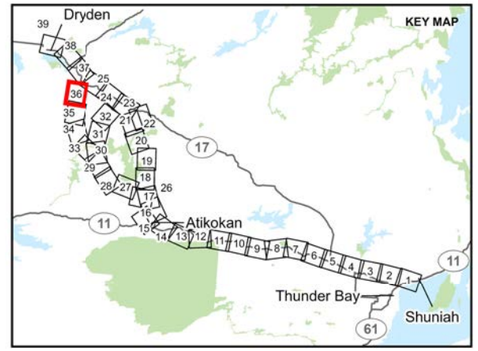


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- WATERCOURSE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- FIRST NATIONS RESERVE
- WATERBODY

TERTIARY WATERSHED

- WABIGOON RIVER



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PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-36

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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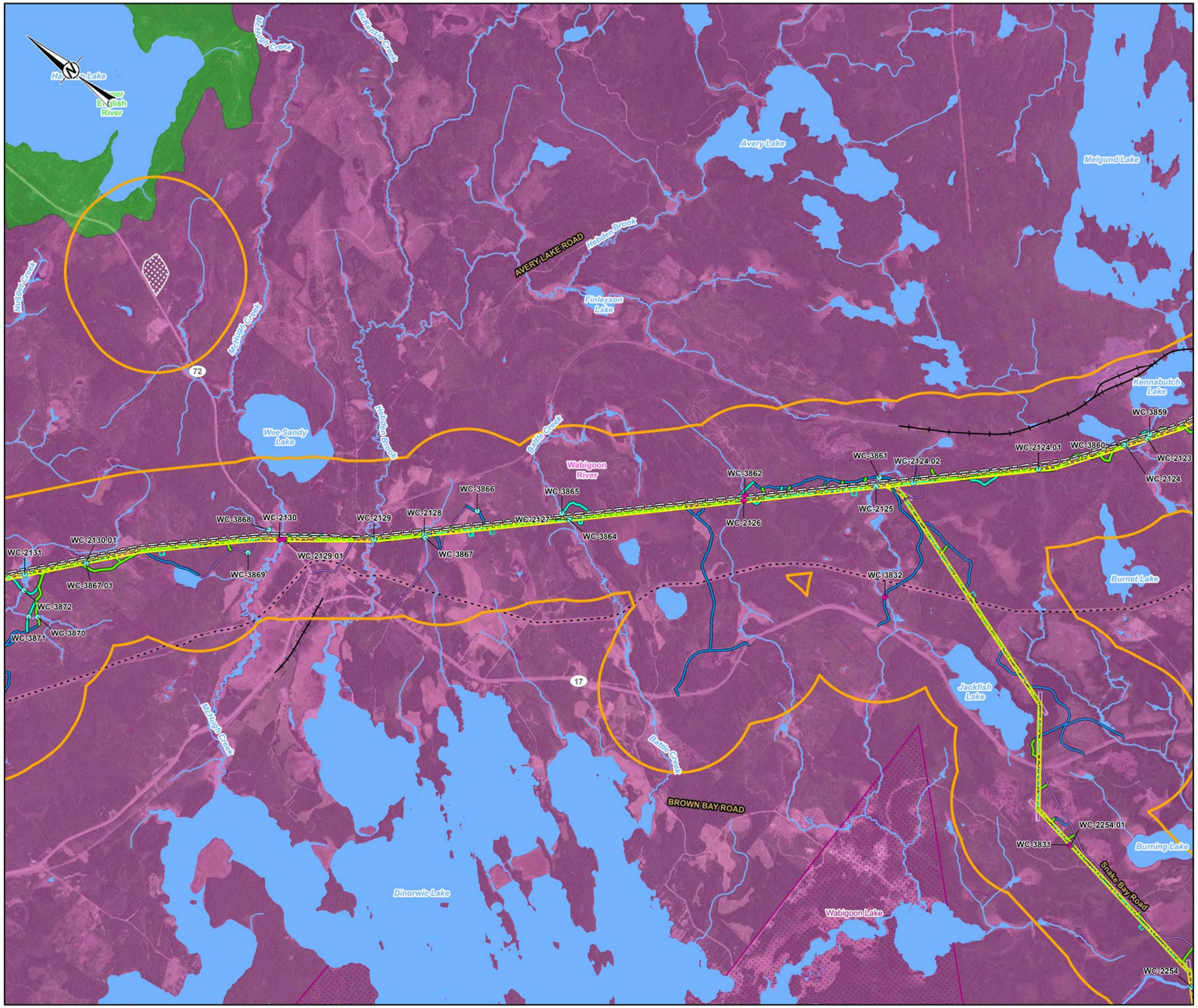
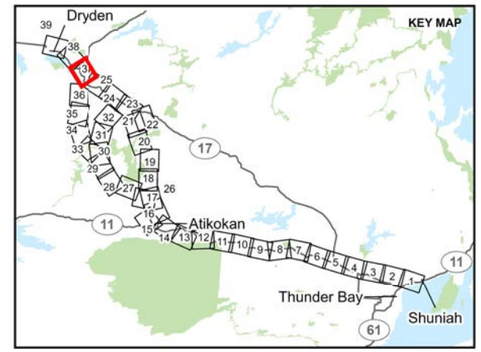


LEGEND

- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- FIRST NATIONS RESERVE
- WATERBODY

TERTIARY WATERSHED

- UPPER ENGLISH RIVER
- WABIGOON RIVER



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PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-37

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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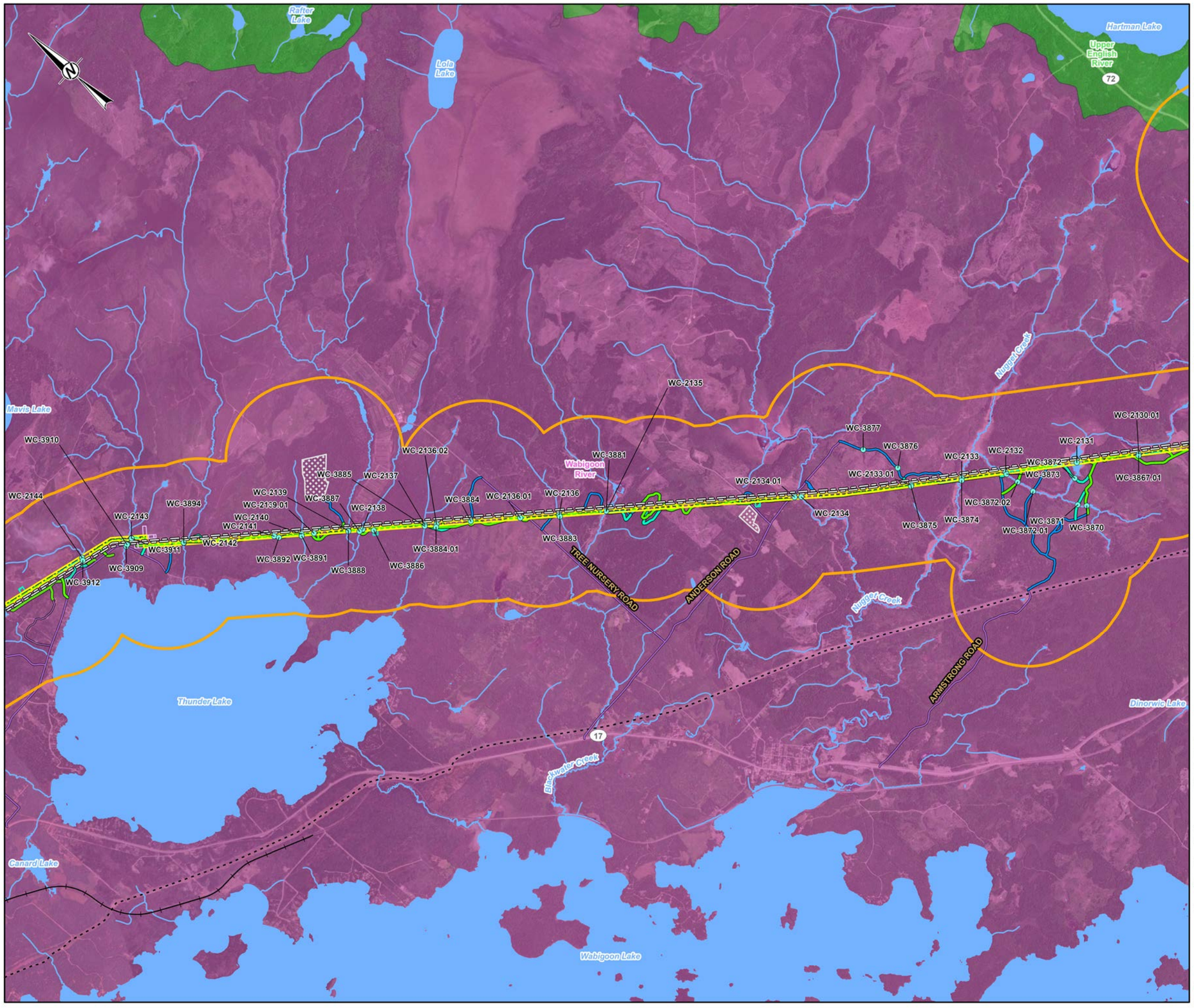
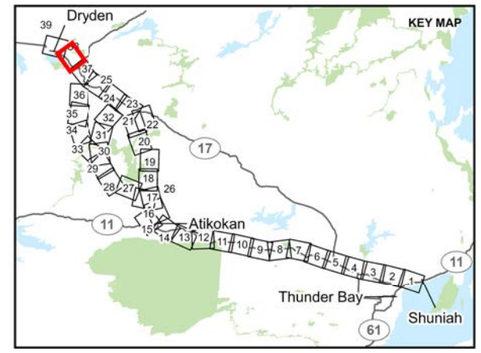


LEGEND

- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- UPPER ENGLISH RIVER
- WABIGOON RIVER



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CLIENT
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PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-38

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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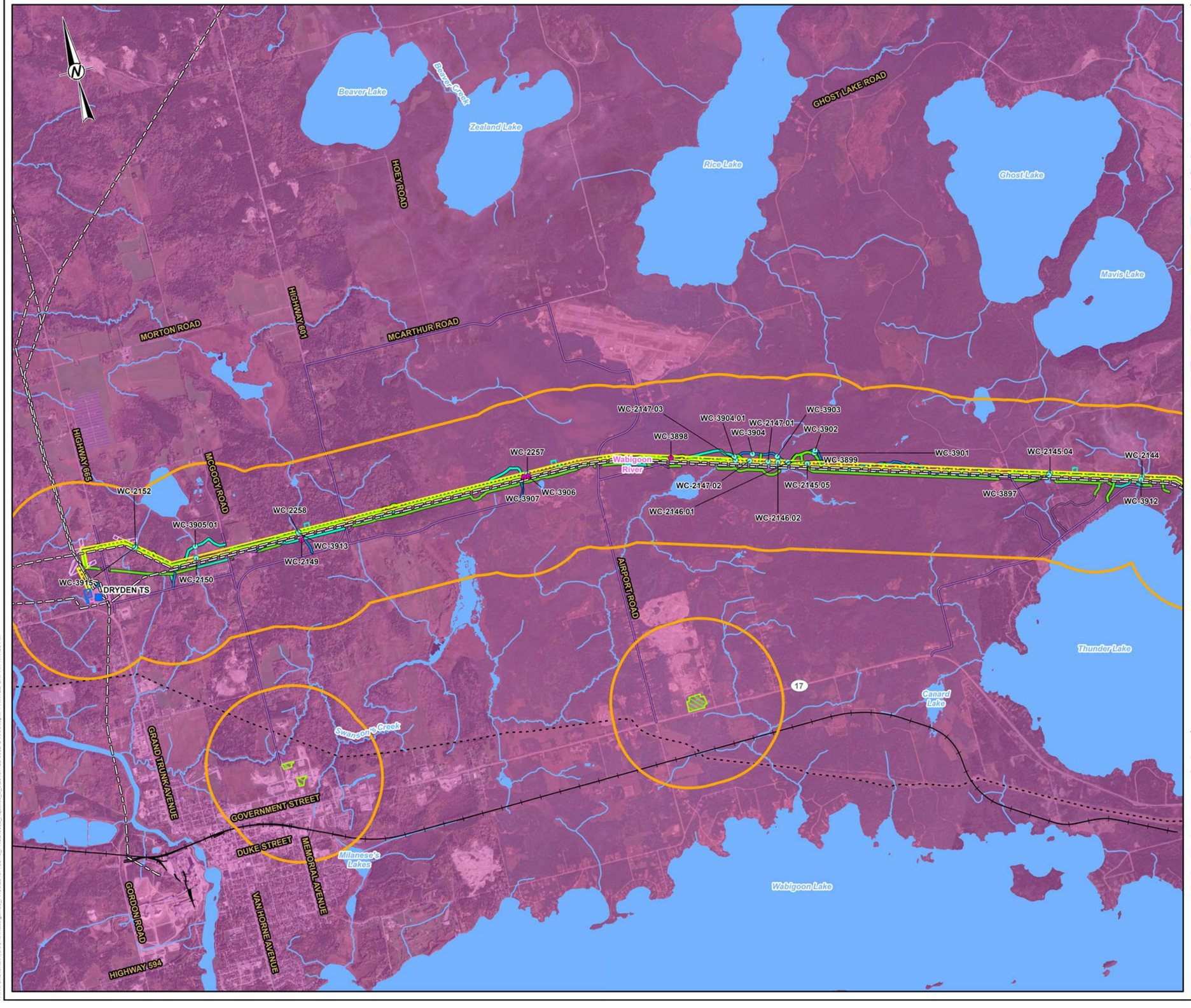
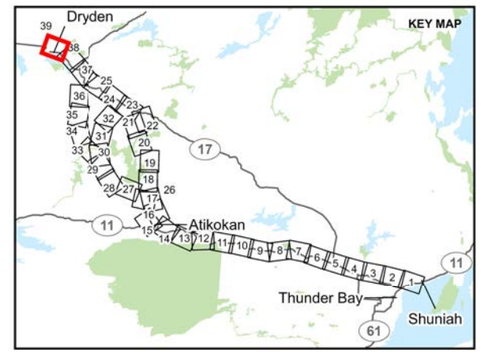


LEGEND

- 230 kV TRANSFORMER STATION (TS)
- WATER CROSSING (FIELD VISIT)
- WATER CROSSING (TARGET)
- RAILWAY
- NATURAL GAS PIPELINE
- WATERCOURSE
- EXISTING TRANSMISSION LINE
- EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
- EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
- PRELIMINARY NEW ACCESS ROAD - PREFERRED
- PRELIMINARY NEW ACCESS ROAD - ALTERNATE
- ALTERNATIVE ROUTES - TRANSMISSION LINE RIGHT-OF-WAY
- PRELIMINARY HELICOPTER PAD
- PRELIMINARY CONSTRUCTION CAMP
- PRELIMINARY FLY YARD
- PRELIMINARY LAYDOWN AREA
- PRELIMINARY AGGREGATE SITE
- PRELIMINARY TEMPORARY LAYDOWN AREA (PULL SITE)
- TRANSFORMER STATION FENCELINE - EXISTING
- TRANSFORMER STATION FENCELINE - APPROXIMATE AREA OF EXPANSION
- LOCAL STUDY AREA - AQUATIC
- REGIONAL STUDY AREA - AQUATIC
- WATERBODY

TERTIARY WATERSHED

- WABIGOON RIVER



0 1 2
1:50,000 KILOMETRES

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CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
AQUATICS WATER CROSSING LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-05-10
DESIGNED	JL
PREPARED	DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0032	C	6.6A-1-39

PATH: S:\Clients\HydroOne\Waasigan\99_PRO\20137728\40_PROD\0032_Aquatics_6_6\20137728-0032-G-XXXX.aprx PRINTED ON: AT: 1:17:50 PM
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

ATTACHMENT 6.6-A-2

Field Summary Forms

ATTACHMENT 6.6-A-2

Abbreviations

Acronym	Definition
Alt	Alternate
BR	Bedrock / Braided / Broad (as per category)
CN	Confined
Confinement	Stream confinement
Crossing	Water crossing
CSP	Corrugated Steel Pipe
CPP	Corrugated Plastic Pipe
DO	Dissolved Oxygen
DS	Downstream
Channel	Channel Form
FR	Frequently Confined
GPS	Global Positioning System
HDPE	High-density polyethylene
IN	Incised
Lat	Latitude
LDB	Left Downstream Bank
Long	Longitude
N/A	Not Applicable / Not Available
NE	Neutral
Nil	Zero
Obs	Short form for observed
Pattern	Stream Pattern/Waterbody Pattern
RDB	Right Downstream Bank
ROW	Right-of-Way
SD	Shoreline direction
sp	Species singular
spp	Species plural
SSF	Subsurface flow
Temp	Temperature
TR	Truncated
UTM	Universal Transverse Mercator
US	Upstream
Veg	Vegetation
WC	Water crossing
YOY	Young-of-the-Year

Units

Unit	Definition
-	minus
%	percent
<	less than
>	greater than
~	approximately
°C	degrees Celsius
m	metre
mg/L	milligram per litre
NTU	nephelometric turbidity unit
pH	potential of hydrogen
µS/cm	micro Siemens per centimetre

1.0 Glossary

Term	Definition
Angling	The use of fishing gear, such as rod and reel, to sample for fish.
Anthropogenic	Relating to or resulting from the influence of people on nature (i.e., referring to man-made structures).
Aquatic Vegetation	Vegetative adapted to living in aquatic environments, such as algae or floating, submerged and emergent plants.
Backwater	Part of a river not reached by the current, where the water is either stagnant or may flow in the opposite direction.
Bank	A bank is the land along the edge of a waterbody, forming the border between the water and the land. This applies to rivers, streams, and creeks, as well as lakes and ponds.
Bankfull Depth	Is the average vertical distance between the channel bed and the estimated water surface elevation required to completely fill the channel to a point above which water would enter the floodplain or intersect a terrace or hillslope.
Bank Height	The vertical height of the bank from the channel edge to the top of the bank.
Bankfull Width	The width of the surface of the water at the point where water just begins to overflow into the active flood plain.
Bare	An area that has no covering, I.e., no vegetation is present.
Barrier	An obstacle that prevents movement or access.
Beaver Dam	A structure created by a beaver to make their habitat more favourable, creating impoundments.
Bed	The bottom of a stream, river, pond or lake or more generally, the physical confinement of the normal water within a waterbody.
Bedrock (BR)	Bedrock is the hard, solid rock beneath surface materials such as soil and gravel. In rivers it is often a substrate type when exposed.
Benthic	Referring to the bottom of an aquatic system, or occurring at the lowest level of a waterbody, including the sediment surface and sub-surface layers.

Term	Definition
Bog	Peatlands with low fertility and water supplied only by rain and snow (i.e., ombrotrophic), generally unaffected by nutrient-rich groundwater, that are acidic and often dominated by heath shrubs and *Sphagnum* mosses that may include open-growing, stunted trees.
Boulder	Substrate type consisting of large stones, greater than 256 mm in diameter.
Braided (BR)	A braided river, or braided channel, consists of a network of river channels separated by small islands or bars which separate a network of channels which diverge and rejoin.
Broad (BR)	A channel form that has a very high width:depth ratio
Cascade	A waterfall or a series of small waterfalls over steep rocks.
Channel	A river channel is the watercourse between two landmasses, that typically has flowing water, on at least a seasonal basis, and is usually defined by the high water mark. The channel is distinguishable from the banks since it has contact with flowing water for at least a portion of each season which usually prevents establishment of terrestrial vegetation.
Channel Form	Refers to the cross-sectional shape of the channel as defined by the width:depth ratio of the channel. Channel form will range from deeply incised (low width:depth) to broad (high width:depth).
Clay	Substrate type consisting of particles less than 0.0039 mm in diameter.
Cobble	Substrate type consisting of stones between ~64.1 mm and ~256 mm in diameter.
Community (biology)	Group of co-existing organisms in an ecosystem.
Conductivity	A measure of the ability of a solution to carry an electrical current, dependent on the total concentration of ionized substances in water.
Confined (CN)	Channel confinement is the degree to which channels are limited in their ability to move laterally, as a result of topography. A confined channel is likely to only have a single stream and a narrow or absent floodplain.
Coniferous Forest	A plant community with a cover made up of 75% or more coniferous trees.
Culvert	Is a closed conduit or tunnel used to convey water under a road or railroad.
Cutbank	The outer edge of the bend in a stream or river, where the water cuts (erosion) into the bank forming a steep bare slope.
Date	The day of the month and/or year.
Debris	Organic material (usually wood) occurring in the stream channel.
Deciduous Forest	A plant community with a cover made up of 75% or more deciduous trees.
Deeply Incised	A channel form that has low width:depth ratio, active channel entrenched between steeply sloped banks.
Dip Net	A net with a long handle that is used to scoop fish.
Dissolved Oxygen	A measure of how much oxygen is dissolved in water, expressed in mg/L.
Drainage feature	A natural or water feature created by people that collects, conveys, or stores surface water or storm water runoff: such as a channel, stream, detention area, wetland, or lake.
Drop	A significant decrease in elevation over a short distance.
Electrofishing	A scientific method to temporarily stun and capture fish by using a direct current electricity flowing between a submerged cathode and anode.
Ephemeral	A waterbody with flow only during or after large precipitation events or snowmelt for a period of a few days to a few weeks.
Fen	Wetland with a peat substrate and nutrient-rich waters, primarily vegetated by shrubs and graminoids.

Term	Definition
Fish	Fish are defined as the parts of fish, shellfish, crustaceans, marine animals and any parts of shellfish, crustaceans or marine animals, and the eggs, sperm, spawn, larvae, spat and juvenile stages of fish, shellfish, crustaceans and marine animals (DFO, 2019).
Fish Habitat	Fish habitat is defined in subsection 2(1) of the Fisheries Act to include all waters frequented by fish and any other areas upon which fish depend directly or indirectly to carry out their life processes. The types of areas that can directly or indirectly support life processes include, but are not limited to: spawning grounds and nursery, rearing, food supply and migration areas. (DFO, 2019)
Flat	Area of channel characterized by low current velocities (relative to riffle and run cover types); non turbulent flow character; and sand/silt substrates. Differentiated from pool habitat type on basis of high channel uniformity and lack of direct riffle/run association.
Forb	Non-woody, broad-leaved herbaceous plant other than a graminoid.
Frequently Confined (FR)	Stream bank is frequently confined by the valley walls or terraces.
Graminoid	Grass-like. Generic term for narrow-leaved monocot plants with a grass-like morphology, including grasses, sedges, and rushes.
Gravel	Substrate type consisting of articles between ~2.01 mm and ~64 mm in diameter.
Gravel bar	An elevated region of gravel that has been deposited by the flow, lacks any rooted vegetation, and is located either between the stream banks and the wetted perimeter of the stream or entirely within the wetted perimeter of the stream.
Groundwater	All subsurface water found underground in the cracks and spaces in soil, sand and rock.
Groundwater upwelling	Water that originates from an area with naturally occurring groundwater that rises from the bedrock or soil to become surface water (e.g., seep or spring).
Habitat	The combination of biotopes that makes up the living space of an organism, and the abiotic and biotic entities (e.g., resources) it uses and selects in that space.
Habitat Type/Channel Unit	Hydraulic and morphological features of a stream channel. Is a section of channel that is the same in respect to water depth, velocity, and cover and is separated from other habitat types by gradients in these parameters.
Headwater	The upper tributary of a stream or river; its source; typically a first order stream.
Herbaceous (herb)	A non-woody, vascular plant.
Hoop Net	A cylindrical net distended by a series of hoops or frames with one or more internal funnel shaped throats whose tapered ends are directed inward from the mouth to prevent fish from escaping once they enter the net.
In-stream cover	Any object within the channel which would provide a velocity shelter or visual isolation for fish.
Impediment	A physical hinderance or obstruction that impedes the flow of water and/ or passage of fish.
Impoundment	A body of water confined within an enclosure.
Incised (IN)	An incised stream/river forms when a river has cut into its own floodplain or underlying strata decreasing the channel bed elevation.

Term	Definition
Intermittent	Intermittent waterbodies are those where in part, or in whole water is present during certain times of the year, meaning they may not contain water during dry periods.
Iron staining	Orange / rusty colour present as a result of iron-oxidizing bacteria, that produce their energy by oxidizing iron that is naturally present in some soils.
Irregular Channel (IR)	Channel form that has a moderate or high width:depth ratio but with a definite portion of the channel width which is incised (maximum depth considerably higher than mean depth).
Island	An area of land that is surrounded by water.
Lake	A waterbody that is surrounded by land and has no discernible flow, greater than 8 ha in size.
Lake/Pond	A water feature that has well-defined channel or basin conditions (e.g., defined bed and banks), no discernible flow, and supports wetted conditions on an intermittent or permanent basis.
Large-bodied fish	Fish (including predator fish species) that generally have fork lengths (length of a fish measured from the tip of the snout to the end of the middle caudal fin rays) greater than 200 mm when they are adults and would include species from such families as Acipenseridae (e.g., Lake Sturgeon [*Acipenser fulvescens*]), Salmonidae (e.g., Brook Trout [*Salvelinus fontinalis*]), and Catostomidae (e.g., White Sucker [*Catostomus commersonii*]).
Littoral	Relating to or situated on or near the shore of a waterbody.
Marsh	A wetland with a mineral or peat substrate inundated by nutrient-rich water and characterized by emergent vegetation.
Maximum	The largest value. The maximum value is obtained by looking at the largest value in a set of values.
Mean	The mean is the average of a data set. The mean is calculated by adding up all the values and then dividing the sum by the number of values.
Migration	The relocation of an individual or population from one area or waterbody to another. Migration often occurs in connection to spawning activity and can vary in distance depending on the species.
Minimum	The smallest value. The minimum value is obtained by looking at the smallest value in a set of values.
Minnow Trapping	The use of minnow traps, to sample for fish. Minnow traps are small fish traps that typically consist of two funnel-shaped entrances at either end of a mesh box or cylinder.
Mixed Forest	Forested community with coniferous and deciduous trees that is greater than 25% in the total tree canopy cover.
Muskeg	A peat-forming ecosystem that consists of non-living organic material in various states of decomposition, ranging from fairly intact sphagnum moss to sedge peat, to highly decomposed humus.
Neutral (NE)	Channel form that has a moderate width:depth ratio.
No Defined Channel	A watercourse that does not have any defined dimensions (I.e., no defined bed (depth) or banks (width)).
Occasionally Confined (OC)	Stream bank is sometimes in continuous or repeated contact at the outside of meander bends.
Open (OP)	An open channel is a watercourse where water flows with a free surface.
Organic substrate	A surface or material composed of natural plant matter.

Term	Definition
Overhanging vegetation	Riparian vegetation that directly shades or overhangs a waterbody.
Overwintering	Overwintering is a period when certain species pass through or wait out the winter season, when conditions make normal activity or even survival difficult or near impossible. Such conditions include cold or sub-zero temperatures, ice, snow and limited food supplies.
Perched culvert	A culvert where the inlet or outlet elevation is higher than the streambed elevation, thereby effectively reducing or eliminating fish migration and fish passage. This may occur under certain (i.e., low flow), or all flow conditions.
Permanent	A permanent waterbody is one that usually flows or occurs for most of the year but can run dry during drought conditions. The bed of the waterbody is typically below the water table and groundwater, or a permanent water feature is the primary source of flow.
pH	Potential of Hydrogen. pH is a measure of how acidic/basic water is, expressed on a range from 0 to 14, where 7 is neutral, values below 7 are acidic, and values greater than 7 are alkaline.
Pond	A body of water that is surrounded by land and has no discernible flow, less than 8 ha in size.
Pool	Discrete portion of channel featuring increased depth and reduced velocity (downstream oriented) relative to riffle and run habitat types; formed by channel scour (i.e., removal of bed or bank material by flowing water).
Ravine	A relatively deep, steep sided gully created by flowing water.
Reach	A reach is a relatively homogeneous section of a watercourse having a repetitious sequence of physical characteristics and habitat types.
Rearing/Nursery	A habitat or set of environmental conditions that provides an optimal location for larval and juvenile fish to find the food and shelter needed for growth and survival.
Riffle	Portion of channel with increased velocity relative to run and pool habitat types; broken water surface due to effects of submerged or exposed bed materials.
Riparian	A riparian zone or riparian area is the interface between land and a river, stream, lake or pond.
Run	Portion of channel characterized by moderate to high current velocity relative to pool and flat habitat, water surface largely unbroken. Deeper than riffle habitat type.
Sand	Substrate type consisting of particles between ~0.06 mm and 2.00 mm in diameter.
Seep/ Spring	Water that originates from an area with naturally occurring groundwater that rises from the bedrock or soil to become surface water.
Seine Netting	The use of a seine net to catch fish. A seine net is a long net, with or without a bag in the centre, which is used to surround a certain area and is operated with two ropes fixed to its ends (for hauling and herding the fish).
Shrub	A perennial plant usually with a woody stem shorter than a tree and often with a multi-stemmed base.
Side Channel	Lateral channel with an axis of flow roughly parallel to the mainstream and which is fed by water from the mainstream.
Silt	Substrate type consisting of particles between 0.004 mm and 0.06 mm diameter.
Sinuosity	Sinuosity is the channels meander pattern which can range from straight to tortuously meandering.

Term	Definition
Small-bodied fish	Small-bodied fish, also called forage fish or baitfish, are generally small fish (total adult lengths generally less than 200 mm) that may serve as food for larger predators. Forage fish species would include families such as Leuciscidae (formerly Cyprinidae) (e.g., Lake Chub [*Couesius plumbeus*]) and Cottidae (e.g., Slimy Sculpin [*Cottus cognatus*]), as well as several others.
Spawning	The process in which aquatic animals release or deposit eggs and sperm into the water.
Species	A group of organisms that actually or potentially interbreed and are reproductively isolated from all other such groups; a taxonomic grouping of genetically and morphologically similar individuals; the category below genus.
Sphagnum	Are mosses that are generally found in bogs and fens.
Stage	Relative discharge level in a stream at the time of the survey.
Stream Confinement	It is the degree to which the lateral movement of the stream channel is limited by terraces or valley walls.
Stream Pattern	Describes the sinuosity of the channel or the degree to which the channel deviates from straightness (e.g., straight, truncated meander, winding etc..)
Substrate	The surface or material on or from which an organism lives, grows, or obtains its nourishment.
Subsurface flow	Any flow or movement of water below the surface of the ground.
Tributary	A river or stream flowing into a larger river or lake.
Turbidity	A measure of the relative clarity or cloudiness of water. It is a measurement of the amount of light that is scattered by material in the water when a light is shined through the water sample.
Unconfined (UN)	Channel confinement is the degree to which channels are limited in their ability to move laterally, as a result of topography. An unconfined channel can allow the formation of braided stream throughout a wide floodplain.
Understorey	Vegetation growing beneath larger plants such as trees or large shrubs.
Water Quality	Water quality refers to the chemical, physical, and biological characteristics of water based on the standards of its usage.
Waterbody	An area of water such as a river, stream, lake or sea.
Waterbody Pattern	The different arrangement / shape a waterbody can have (e.g. irregular, oval, round, elongated etc.).
Water colour	The colour of the water at the time of assessment.
Watercourse	Riverine systems such as creeks, brooks, streams and rivers. A watercourse has a defined channel that may have either permanent or non-permanent (i.e., intermittent or ephemeral) flow of water throughout the year.
Watercrossing	A geographic location where proposed transmission lines or access roads are expected to cross a waterbody or drainage feature.
Watershed	The upstream land area drained by a river network.
Wetland	Land that is flooded or saturated with water long enough to promote wetland or aquatic vegetation communities, poorly drained soils and supports various biological activities. They are not a waterbody, although waterbodies may also contain wetlands (can include bogs, muskeg, etc.)..
Wetland Complex	Multiple wetlands that are functionally linked..
Wetted Depth	The mean depth of water representing each of the main habitat types.
Wetted Width	The width of the water surface measured at right angles to the direction of flow. Multiple channel widths are summed to obtain average wetted width.

Term	Definition
Woody Debris	Any large piece of woody material that has a minimum diameter greater than 10cm and a length greater than 1 meter that provides cover for fish.
Young-of-the-Year (YOY)	All individuals of a species that are younger than one year of age.

Notes

a) No photos are available for this location due to equipment malfunctioning at the time of the assessment.
b) No additional details were collected during the field survey.
c) Fish habitat potential for spawning, rearing/nursery/feeding, overwintering and migration habitats were qualitatively ranked as low, moderate, high or nil for the surveyed reach.
d) Stage was quantitatively ranked as low, moderate, high, pooled, and dry.
e) Visual permanency was qualitatively assessed as non-permanent, or permanent.
f) For the riparian vegetation section of the flysheets when it refers to “muskeg” the meaning is wetland riparian vegetation unless it is in the description. For the same section “grasses” mean graminoids and Forbs plants.
g) All in-situ water quality values represent single point-in-time measurements, collected at the time of the survey and are not necessarily an accurate indication of season or diurnal fluctuations that may occur within a waterbody. These parameters have been used as contextual at the time of survey to provide a general indication of the water quality of each waterbody.
h) Small-bodied fish, also called forage fish or baitfish, are generally small fish (total lengths generally less than 200 mm) that may serve as food for larger predators. Forage fish species would include families such as Leuciscidae (formerly Cyprinidae) (e.g., Lake Chub [*Couesius plumbeus*]) and Cottidae (e.g., Slimy Sculpin [*Cottus cognatus*]) as well as several others. Large-bodied fish (including predator fish species), which generally have fork lengths (length of a fish measured from the tip of the snout to the end of the middle caudal fin rays) greater than 200 mm when they are adults, and would include species from such families as Acipenseridae (e.g., Lake Sturgeon [*Acipenser fulvescens*]), Salmonidae (e.g., Brook Trout [*Salvelinus fontinalis*]), and Catostomidae (e.g., White Sucker [*Catostomus commersonii*]).
i) Fish habitat potential for migration was classified as movements from one area to another, may include seasonal spawning migrations and can vary in distance.
j) Bank substrate present for lakes/ponds was recorded under one bank at all crossings as only one bank was present and assessed, all other bank fields were recorded as N/A.
k) All values presented in the following tables represent the characteristics observed or measured within the reach assessed unless specified.
l) All widths reported that are greater than 100 m represent approximate values that were calculated from aerial imagery as they were unable to be measured accurately in the field.
m) Fish habitat assessment stopped due to active hunting in the area.

Waasigan Transmission Line Water Crossing Survey **Watercrossing:** **WC-1012**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-19
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.52949	Long:	-89.29423
Weather Conditions				
Air Temp (°C):				20
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Rifle
Length Assessed (m):				100
Visual Permenancy:				Permanent
Pattern :				Meander Scrolls
Confinement:				Confined
Form:				Neutral
Stage:				Moderate
Riparian Vegetation LDB:				Mixed Forest/Grass/ Shrubs
Riparian Vegetation RDB:				Shrubs/Mixed Forest/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.5
Wetted Width (m):				2.58
Bank Height (m):				0.25
Bankfull Width (m):				2.73
Maximum Depth (m):				0.75
Substrate at Crossing				
LDB:				Coarse Sand/Cobble/Boulder/Gravel
Bed:				Silt/Organics/Clay/Coarse Sand
RDB:				Silt/Organics/Clay/Coarse Sand
Water Quality				
Water Colour:				Clear
Temperature (°C):				18.23
Conductivity (µS/cm):				191.14
pH:				7.24
Turbidity (NTU):				2.37
DO (mg/L):				7.79
Fish Habitat Data				
In-water Cover Features:				Overhanging Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Riffle at crossing, directly downstream of a run. Shallow runs and riffles throughout the reach.

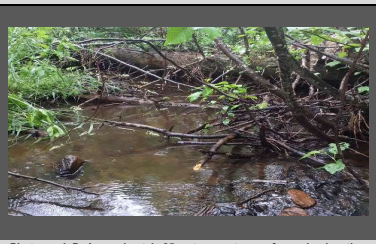
Fish Species Captured
Method: Electrofishing, Minnow Trap
Fish Species Captured:
Brook Stickleback, Finescale Dace, Northern Redbelly Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Nil	Low
Trout/Whitefish	Low	Low	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	Low
Other	Nil	Nil	Nil	Nil

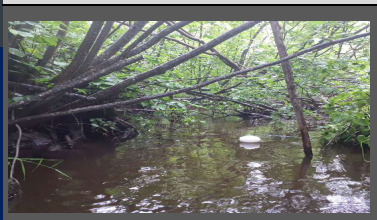
Photograph A: Near crossing location. View looking downstream at riffle and pool section.

Photograph B: Near crossing location facing upstream.



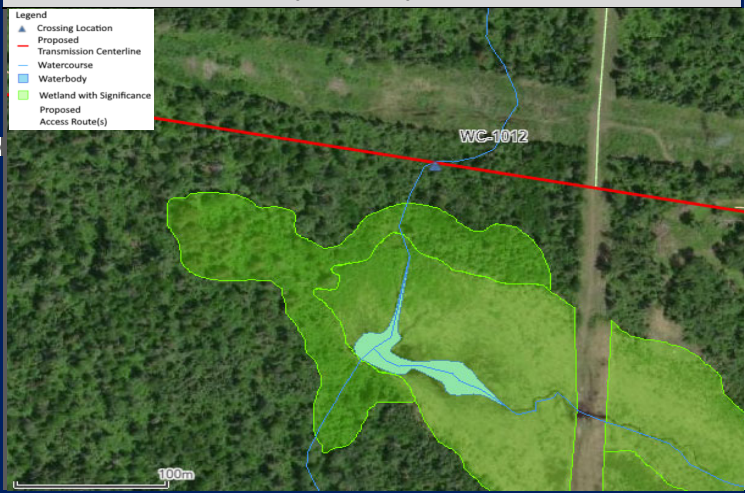
Photograph C: Near crossing location facing downstream.

Photograph D: Approximately 25 meters upstream of crossing location facing downstream.



Photograph E: Approximately 25 meters downstream of crossing location facing upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1016**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.53751 Long:	-89.35232
Weather Conditions	
Air Temp (°C):	30
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Steep
Stage:	High
Riparian Vegetation SD1:	Grass/Shrubs/Mixed Forest
Riparian Vegetation SD2:	Grass/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	50
Bank Height (m):	3.1
Bankfull Width (m):	50
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Organics/Silt
Bed:	Organics/Silt
SD2:	Organics/Silt
Water Quality	
Water Colour:	Brown
Temperature (°C):	24.23
Conductivity (µS/cm):	366.99
pH:	6.14
Turbidity (NTU):	30.29
DO (mg/L):	2.45
Fish Habitat Data	
In-water Cover Features:	Vegetation/ Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:

Waterbody caused by a beaver impoundment with a tall berm on the north side. No inlet/outlet flow. Road north of the crossing creates a barrier.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

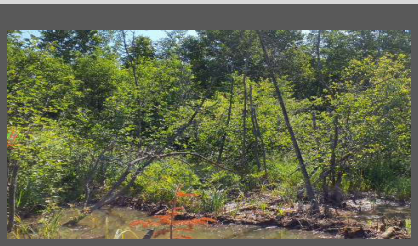
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Approximately 25 m downstream of crossing location facing downward towards beaver dam.

Photograph B: Near crossing location facing north towards old access road situated on top of the slope.

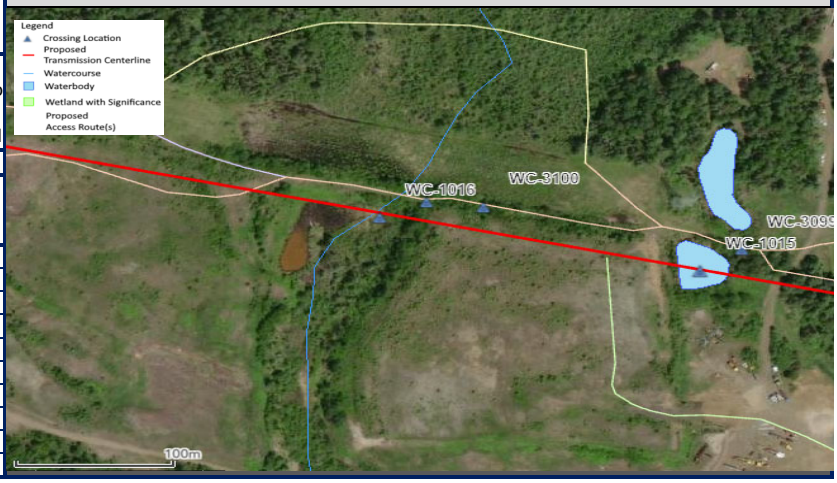
Photograph C: Near crossing location facing south towards beaver dam.

Photograph D: Near crossing location facing west towards the other embankment.



Photograph E: Near crossing location facing east towards vegetated embankment.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-1017

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-20
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.65692 Long:	-90.68887
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover (%)	N/A
Precipitation Amount/Type:	N/A
Wind Direction:	N/A
Wind Rate:	N/A
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water or channel at site.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in the vicinity of the crossing

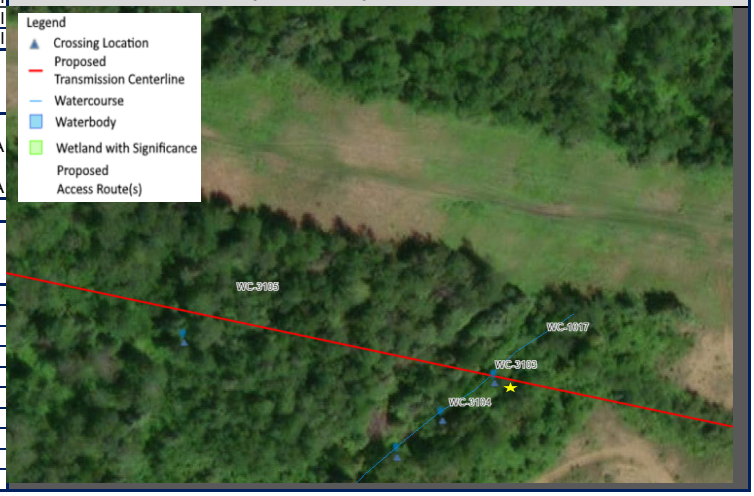
Photograph B: View in the vicinity of the crossing

Photograph C: View in the vicinity of the crossing

Photograph D: View in the vicinity of the crossing

Photograph E: Ground at the crossing

Figure 1: Water Crossing Overview



1				Watercrossing:	WC-1020

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-25
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.54759	Long:	-89.44716
Weather Conditions				
Air Temp (°C):				18
Cloud Cover (%):				0
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Type:				Riffle/Run
Length Assessed (m):				200
Visual Permenancy:				Permanent
Pattern :				Winding
Confinement:				Confined
Form:				Irregular
Stage:				Moderate
Riparian Vegetation LDB:				Mixed Forest/Shrubs/Grass
Riparian Vegetation RDB:				Mixed Forest/Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.25
Wetted Width (m):				1
Bank Height (m):				0.5
Bankfull Width (m):				3
Maximum Depth (m):				0.25
Substrate at Crossing				
LDB:				Boulder/Cobble/Gravel/Sand/Silt/Organics
Bed:				Boulder/Cobble/Gravel/Sand/Silt/Organics
RDB:				Boulder/Cobble/Gravel/Sand/Silt/Organics
Water Quality				
Water Colour:				Clear
Temperature (°C):				12.37
Conductivity (µS/cm):				203.31
pH:				6.97
Turbidity (NTU):				2.02
DO (mg/L):				9.31
Fish Habitat Data				
In-water Cover Features:				Vegetation/Undercut Banks/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Bridge
Fish Impediments/Barriers:				Nil

General Description:
Stream winding through hyrdo right-of-way, then into mixed forest. Riffles, runs and overhaning vegetation throughout.

Fish Species Captured

Method: Electrofishing, Minnow Trap

Fish Species Captured:
Common Shiner, Pearl Dace, Brook Stickleback

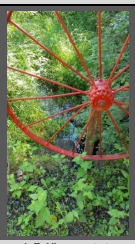
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Low
Trout/Whitefish	Low	Low	Low	Low
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Bridge at crossing.

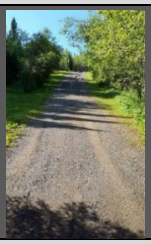
Photograph B: View north at crossing.

Photograph C: View east at crossing.



Photograph D: View south at crossing.

Photograph E: View west at crossing



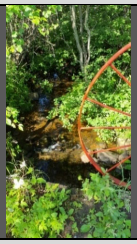
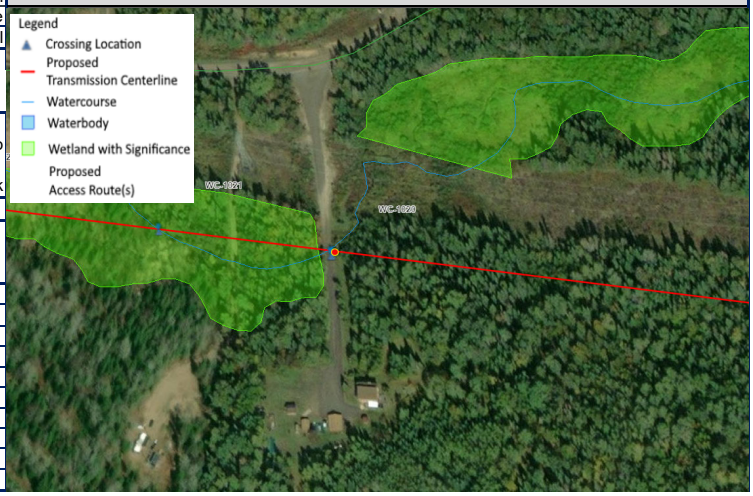


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1021.01**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-05
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.54793 Long:	-89.45042
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	Braided
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Shrubs/Grass
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.25
Wetted Width (m):	0.5
Bank Height (m):	0.5
Bankfull Width (m):	0.5
Maximum Depth (m):	0.5
Substrate at Crossing	
LDB:	Organics/Silt/Boulder
Bed:	Organics/Silt/Boulder
RDB:	Organics/Silt/Boulder
Water Quality	
Water Colour:	Clear
Temperature (°C):	8.98
Conductivity (µS/cm):	258.58
pH:	8.19
Turbidity (NTU):	3.07
DO (mg/L):	10.45
Fish Habitat Data	
In-water Cover Features:	Vegetation, Undercut Banks, Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small ephemeral watercourse with braided channels throughout survey extent.

Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Longnose Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Near crossing location. Dense grasses covering stagnant channel.

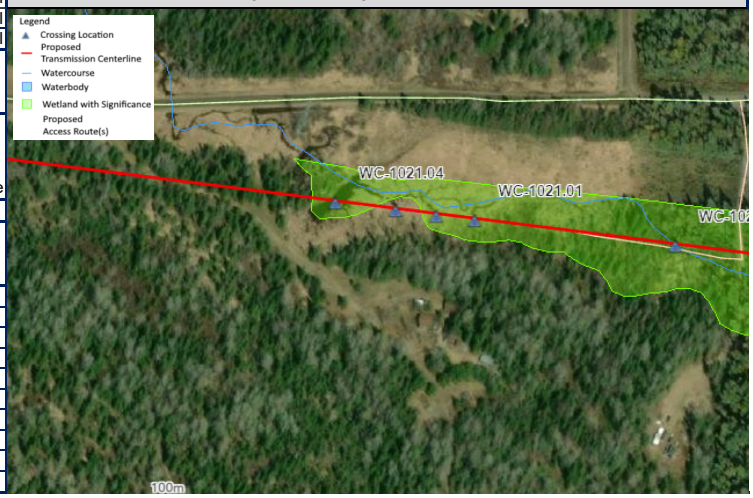
Photograph B: Near crossing location. View looking north.

Photograph C: Near crossing location. View looking south.

Photograph D: Near crossing location. View looking west.

Photograph E: Near crossing location. View looking east towards fenceline.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1021.02**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-09-05
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.54785	Long:	-89.45079
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				0
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permenancy:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Grass/Shrubs
Riparian Vegetation RDB:				Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

No visible channel, small depression with small amount of water at crossing. Remainder of reach has a few small pockets of water and dry, braided

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Near crossing location. View looking downward towards shallow pooled water.

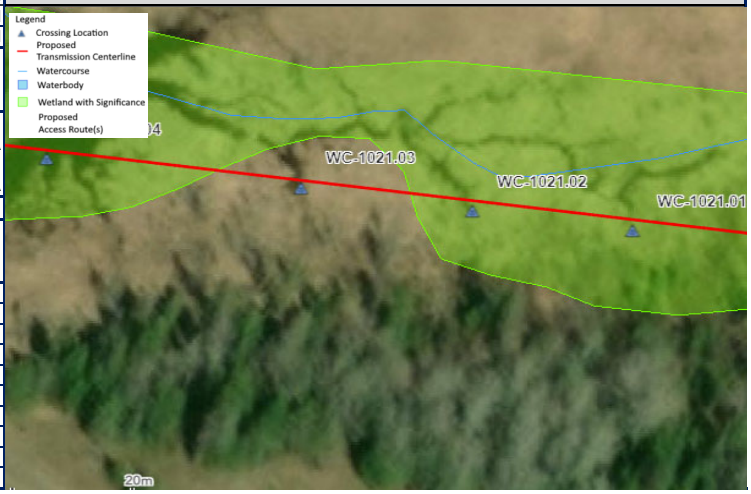
Photograph B: Approximately 10 meters upstream of crossing location. View looking downstream towards confluence with separate channel.

Photograph C: Near crossing location. View looking upstream of crossing location.

Photograph D: Near crossing location. View looking downstream.

Photograph E: 10 meters downstream of crossing. View looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1021.03**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-04
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.54792 Long:	-89.45115
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	120
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.25
Wetted Width (m):	0.75
Bank Height (m):	0.5
Bankfull Width (m):	1
Maximum Depth (m):	0.5
Substrate at Crossing	
LDB:	Organics/Cobble/Silt/Gravel/Boulder/Sand
Bed:	Organics/Cobble/Silt/Gravel/Boulder/Sand
RDB:	Organics/Cobble/Silt/Gravel/Boulder/Sand
Water Quality	
Water Colour:	Clear
Temperature (°C):	7.66
Conductivity (µS/cm):	260.84
pH:	8.51
Turbidity (NTU):	2.88
DO (mg/L):	10.67
Fish Habitat Data	
In-water Cover Features:	Vegetation/Undercut Banks/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

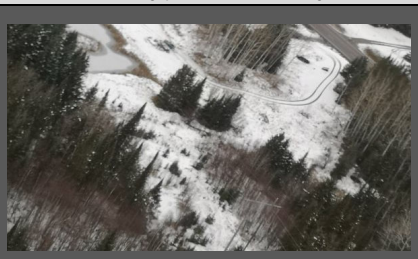
General Description:
Dried ephemeral channel at crossing that connects to a stream. Remainder of reacj is meandering stream with braided connecting channels of flats and

Fish Species Captured
Method: Minnow Trap
Fish Species Captured:
Brook Stickleback, Pearl Dace, Longnose Dace, Fathead Minnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	Nil
Other	Nil	Nil	Nil	Nil

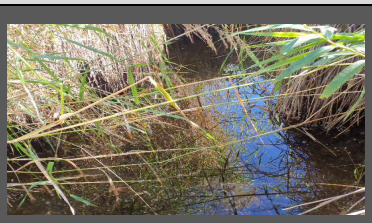
Photograph A: Aerial view near crossing location.



Photograph B: Near crossing location. View looking downward towards channel.

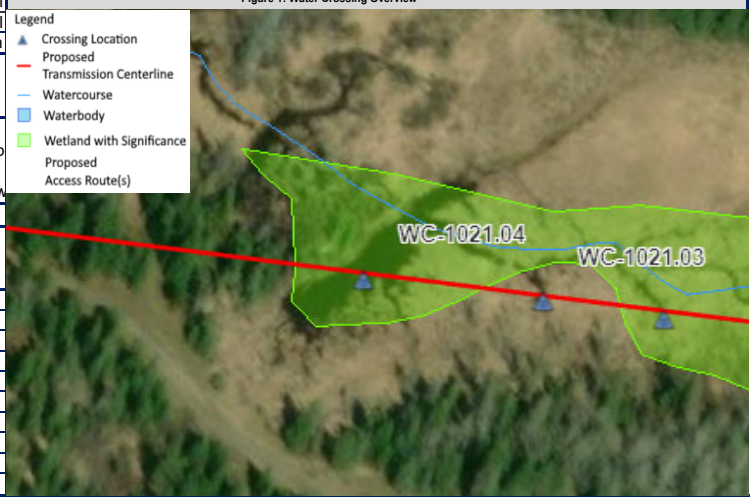
Photograph C: Approximately 10 m downstream of crossing location. View looking downward towards channel.

Photograph D: Approximately 10 m downstrean of crossing. View looking downward towards channel.



Photograph E: Approximately 20 m upstream of crossing. View looking towards right downstream bank.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1021.04**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-09-04
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.54808	Long:	-89.45169
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				120
Visual Permenancy:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				Low
Riparian Vegetation SD1:				Grass/Shrubs
Riparian Vegetation SD2:				Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.5
Wetted Width (m):				8.25
Bank Height (m):				0.5
Bankfull Width (m):				10.25
Maximum Depth (m):				0.5
Substrate at Crossing				
SD1:				Organics/Silt/Cobble
Bed:				Organics/Silt/Cobble
SD2:				Organics/Silt/Cobble
Water Quality				
Water Colour:				Tea
Temperature (°C):				12.29
Conductivity (µS/cm):				236.71
pH:				8.26
Turbidity (NTU):				3.72
DO (mg/L):				13.29
Fish Habitat Data				
In-water Cover Features:				Vegetation/ Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Crossing is located in small, shallow pool connected to braided channels and is part of a meandering stream

Fish Species Captured

Method: Minnow Trap

Fish Species Captured:

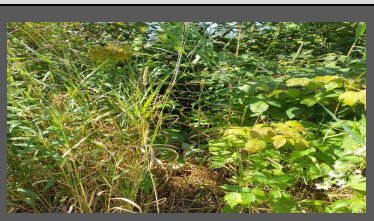
Finescale Dace, Fathead Minnow, Brook Stickleback

Fish Habitat Potential Summary

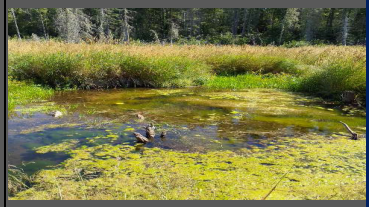
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Near crossing location. View looking downward at instream vegetation and woody debris in channel.

Photograph B: Near crossing location. View looking north.



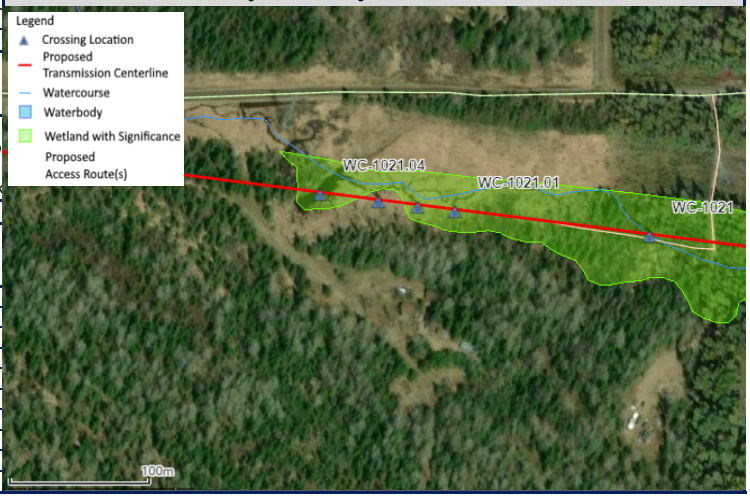
Photograph C: Near crossing location. View looking west.



Photograph D: Near crossing location. View looking downstream.

Photograph E: Near crossing location, view looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1026**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-23
Alt. Route Segment:				1 / 1A
Coordinates of Crossing:	Lat:	48.55206	Long:	-89.49894
Weather Conditions				
Air Temp (°C):				20
Cloud Cover (%):				0
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel (US)/Flat
Length Assessed (m):				221
Visual Permenancy:				Permanent
Pattern :				Irregular Meander
Confinement:				Occasionally Confined
Form:				Incised
Stage:				Moderate
Riparian Vegetation LDB:				Mixed Forest/Grass/Shrubs
Riparian Vegetation RDB:				Mixed Forest/Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.08
Wetted Width (m):				0.7
Bank Height (m):				0.16
Bankfull Width (m):				8
Maximum Depth (m):				0.15
Substrate at Crossing				
LDB:				Clay/Silt/Organics
Bed:				Clay/Medium Gravel/Organics/Silt
RDB:				Clay/Medium Gravel/Organics/Silt
Water Quality				
Water Colour:				Brown
Temperature (°C):				14.46
Conductivity (µS/cm):				109.88
pH:				6.88
Turbidity (NTU):				115.37
DO (mg/L):				4.47
Fish Habitat Data				
In-water Cover Features:				Overhanging Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Watercourse starts as open undefined channel and then flows into a more defined incised channel with an irregular meander flow downstream.

Fish Species Captured

Method: Electrofishing

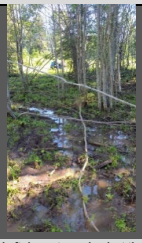
Fish Species Captured: Nil

Fish Habitat Potential Summary

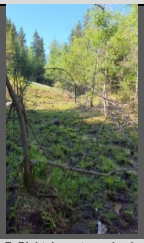
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A; Substrate at crossing

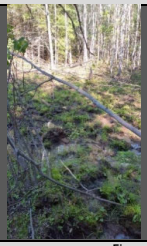
Photograph B: View upstream at the crossing



Photograph C: View downstream at the crossing



Photograph D: Left downstream bank at the crossing



Photograph E: Right downstream bank at the crossing

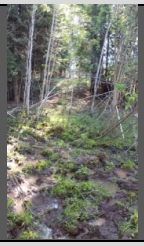
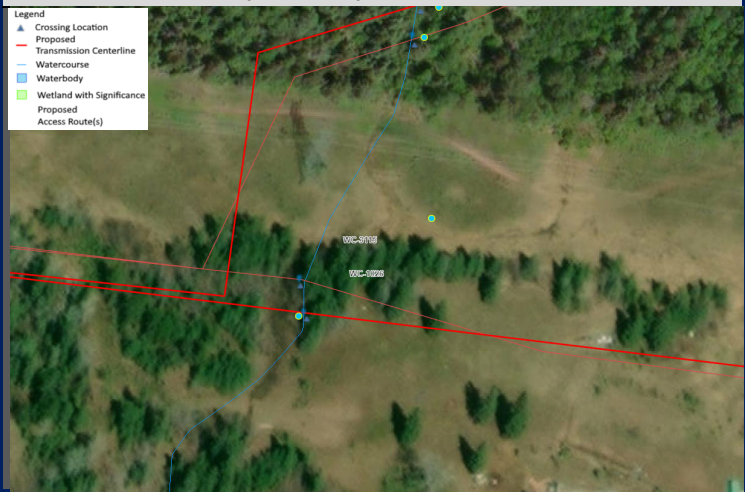


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1031**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-08-24
Alt. Route Segment:				1 / 1A
Coordinates of Crossing:	Lat:	48.55745	Long:	-89.56556
Weather Conditions				
Air Temp (°C):				15
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Cascade/Pool/Flat/Riffle (DS)
Length Assessed (m):				124
Visual Permenancy:				Permanent
Pattern :				Irregular Meander
Confinement:				Confined
Form:				Incised
Stage:				Low
Riparian Vegetation LDB:				Mixed Forest/Grass/Shrubs
Riparian Vegetation RDB:				Mixed Forest/Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.266
Wetted Width (m):				1.92
Bank Height (m):				0.75
Bankfull Width (m):				8.33
Maximum Depth (m):				0.31
Substrate at Crossing				
LDB:				Cobble/Coarse Gravel/Coarse Sand/Silt
Bed:				Silt/Organics/Cobble
RDB:				Silt/Organics/Cobble
Water Quality				
Water Colour:				Clear
Temperature (°C):				13.96
Conductivity (µS/cm):				278.11
pH:				7.8
Turbidity (NTU):				11.06
DO (mg/L):				9.98
Fish Habitat Data				
In-water Cover Features:				Vegetation/Substrate/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Drop, Subsurface Flow

General Description:

Crossing is located at the base of a cascade with low flow conditions and at the base of a deeper pool. The upstream reach connects to WC-3182.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Bluntnose Minnow, Finescale Dace, Leuciscidae sp.,

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Near crossing location. View looking downward at cobble and boulder substrate.

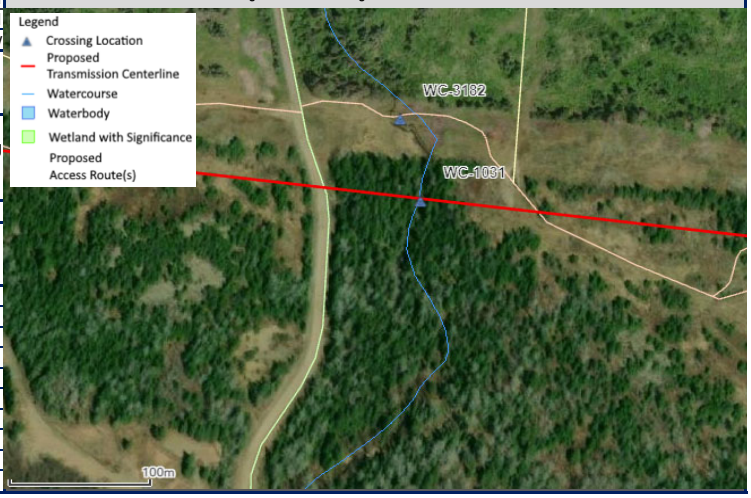
Photograph B: Near crossing location. View looking upstream.

Photograph C: Near crossing location. View looking downstream.

Photograph D: Approximately 25 meters upstream of crossing location. View looking downstream.

Photograph E: Approximately 25 meters upstream of crossing location. View looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1032.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-23
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.56425 Long:	-89.63143
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest/Grass/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel or water at crossing. Area is dry watercourse with intermittently defined channel starting 10 m downstream of crossing.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

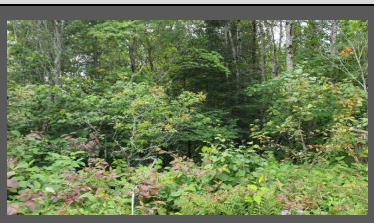
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Near crossing location. View looking downward at crossing.

Photograph B: Near crossing location. View looking upstream.

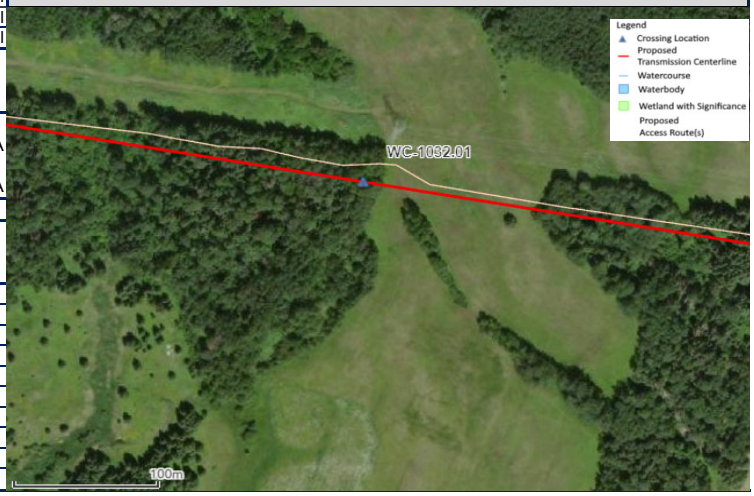
Photograph C: Near crossing location. View looking downstream.

Photograph D: Approximately 25 m upstream. View looking downstream.



Photograph E: Approximately 25 m downstream. View looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1038**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-20
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.58337 Long:	-89.76297
Weather Conditions	
Air Temp (°C):	21
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Winding
Confinement:	Unconfined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Grass
Riparian Vegetation RDB:	Shurbs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	1.25
Wetted Width (m):	6.5
Bank Height (m):	N/A
Bankfull Width (m):	5.5
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Fines
Bed:	Clay/Silt/Sand
RDB:	Fines
Water Quality	
Water Colour:	Brown
Temperature (°C):	18.86
Conductivity (µS/cm):	196.69
pH:	7.53
Turbidity (NTU):	10.01
DO (mg/L):	8.94
Fish Habitat Data	
In-water Cover Features:	Depth/Overhanging & Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Flat at crossing dominated by grasses willows and alders.Entire reach is very similar. Upstream and dowsnstream are a flat with steep vegetated banks.

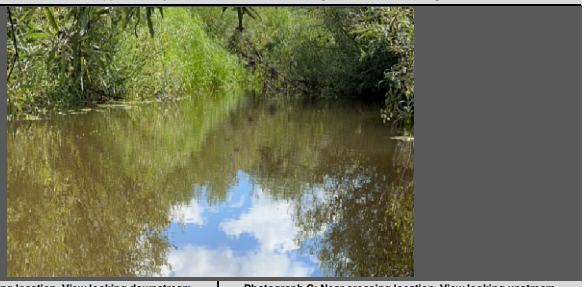
Fish Species Captured

Method: Minnow Trap
Fish Species Captured: Blacknose Dace, Creek Chub, White Sucker, Golden Shiner, Northern Redbelly Dace, Pearl Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

Photograph A: Pooled area located approximately 150 m downstream of crossing location. View looking downstream.



Photograph B: Near crossing location. View looking downstream.

Photograph C: Near crossing location. View looking upstream.

Photograph D: Approximately 25 m upstream. View looking upstream.

Photograph E: Approximately 25 m downstream. View looking downstream.

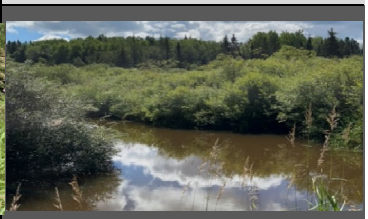
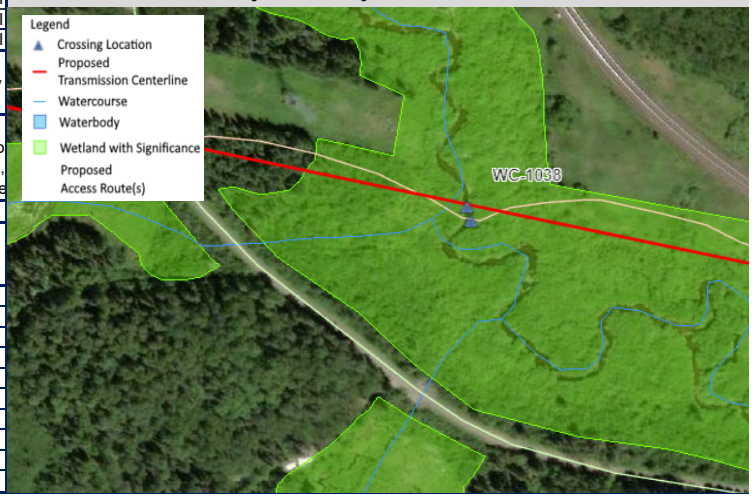


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1039.01**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-20
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.59407	Long:	-89.83368
Weather Conditions				
Air Temp (°C):				33
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				East
Wind Rate:				Low
Reach Data				
Habitat Type:				Run
Length Assessed (m):				75
Visual Permenancy:				Non-Permanent
Pattern :				Irregular Meander
Confinement:				Occasionally Confined
Form:				Neutral
Stage:				Moderate
Riparian Vegetation LDB:				Shrubs/Grass/Mixed Forest
Riparian Vegetation RDB:				Shrubs/Grass/Mixed Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.18
Wetted Width (m):				3.6
Bank Height (m):				0.2
Bankfull Width (m):				4.35
Maximum Depth (m):				0.42
Substrate at Crossing				
LDB:				Silt/Clay/Fine Sand/Coarse Sand
Bed:				Silt/Organics/Sand
RDB:				Fines
Water Quality				
Water Colour:				Tea
Temperature (°C):				11.34
Conductivity (µS/cm):				62.92
pH:				6.76
Turbidity (NTU):				4.53
DO (mg/L):				9.13
Fish Habitat Data				
In-water Cover Features:				Overhanging Vegetation/ Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface flow

General Description:

Meandering run starts as subsurface flow through dense vegetated forested area, becoming a flat with aquatic vegetation dominating.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Upstream at crossing

Photograph B: Downstream at Crossing

Photograph C: Left downstream bank at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Facing upstream 25m upstream from crossing

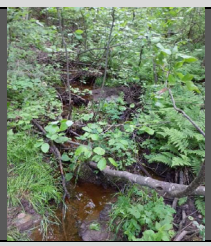
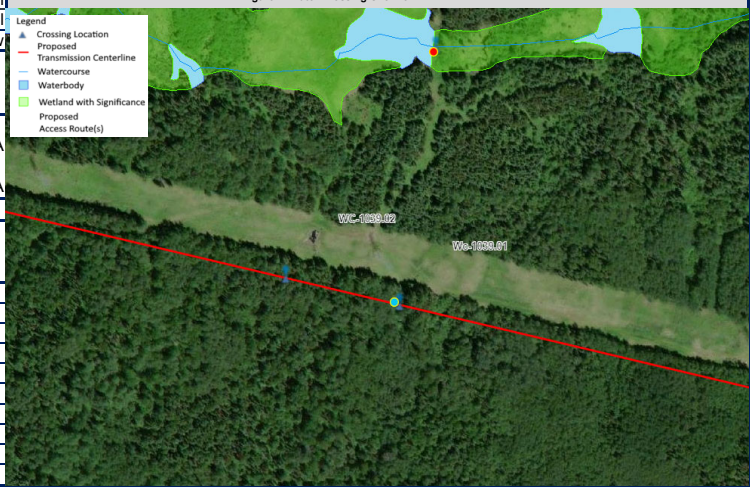


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey **Watercrossing:** **WC-1039**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-20
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.59430	Long:	-89.83525
Weather Conditions				
Air Temp (°C):				12
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Run/Flat (DS)
Length Assessed (m):				81
Visual Permenancy:				Non-Permanent
Pattern :				Irregular Meander
Confinement:				Occasionally Confined
Form:				Neutral
Stage:				High
Riparian Vegetation LDB:				Mixed Forest/Shrubs
Riparian Vegetation RDB:				Mixed Forest/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.16
Wetted Width (m):				3.02
Bank Height (m):				<0.3
Bankfull Width (m):				3.82
Maximum Depth (m):				0.34
Substrate at Crossing				
LDB:				Fines
Bed:				Silt/Organics
RDB:				Fines
Water Quality				
Water Colour:				Tea
Temperature (°C):				14.46
Conductivity (µS/cm):				79.93
pH:				7.19
Turbidity (NTU):				13.18
DO (mg/L):				8.29
Fish Habitat Data				
In-water Cover Features:				Overhanging Vegetation/ Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow

General Description:

The 50 meter upstream portion of the watercourse was subsurface and dry. The rest of the reach is intermittent subsurface flow from a pooled area.

Fish Species Captured

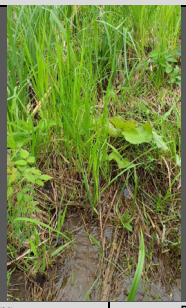
Method: N/A

Fish Species Captured: N/A

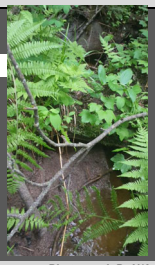
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

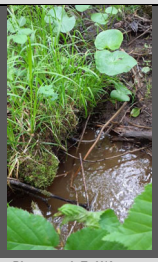
Photograph A:View facing downstream at crossing



Photograph B: Ground view at crossing



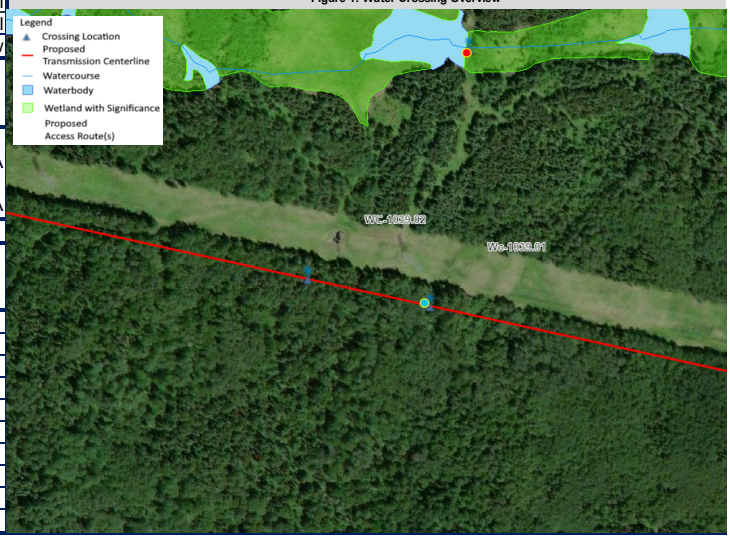
Photograph C: Run at crossing



Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey **Watercrossing:** **WC-1041.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-03
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.60317 Long:	-89.89303
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water and no channel.

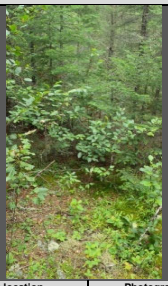
Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

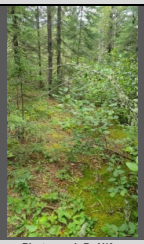
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

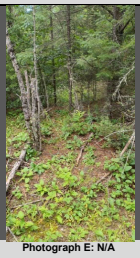
Photograph A: View in the vicinity of the crossing location



Photograph B: View in the vicinity of the crossing location



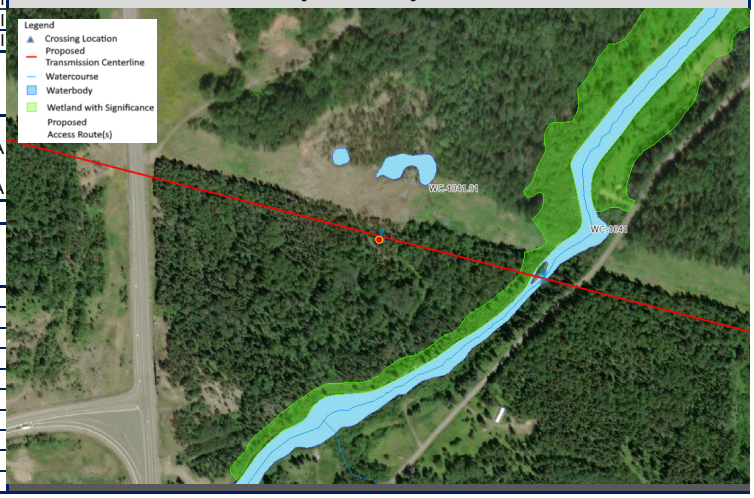
Photograph C: View in the vicinity of the crossing location



Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1043.01**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-26
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.60696	Long:	-89.91472
Weather Conditions				
Air Temp (°C):				14
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Light Rain
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Flat/Subsurface Flow (DS)
Length Assessed (m):				191.5
Visual Permenancy:				Non-Permanent
Pattern :				Regular Meander
Confinement:				Unconfined
Form:				Irregular
Stage:				Moderate
Riparian Vegetation LDB:				Grass/Shrubs
Riparian Vegetation RDB:				Grass/Shrubs/Deciduous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.3
Wetted Width (m):				0.48
Bank Height (m):				0.50
Bankfull Width (m):				1.2
Maximum Depth (m):				0.33
Substrate at Crossing				
LDB:				Clay/Silt/Fine Sand/Cobble/Boulder
Bed:				Clay/Silt
RDB:				Clay/Silt
Water Quality				
Water Colour:				Clear
Temperature (°C):				13.1
Conductivity (µS/cm):				161.16
pH:				7.57
Turbidity (NTU):				2.24
DO (mg/L):				7.33
Fish Habitat Data				
In-water Cover Features:				Vegetation/Undercut Bank/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Culvert
Fish Impediments/Barriers:				Nil

General Description:
Upstream reach and crossing are in an old cut block with regenerating vegetation. Most of the reach is a flat, further downstream is no defined

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

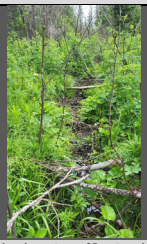
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

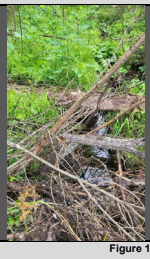
Photograph A: Substrate at the crossing

Photograph B: Facing upstream at the crossing

Photograph C: Facing downstream at the crossing



Photograph D: Facing upstream 25 meters downstream from the crossing



Photograph E: Facing downstream 25 meters downstream from the crossing

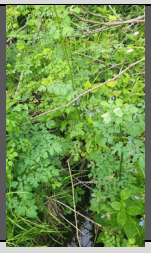


Figure 1: Water Crossing Overview

Waasigan Transmission

Watercrossing: **WC-1046.01**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-25
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.62090	Long:	-90.00068
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				South
Wind Rate:				Moderate
Reach Data				
Habitat Type:				No Defined Channel/Run(US)
Length Assessed (m):				150
Visual Permenancy:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Shrubs/Mixed Forest/Grass
Riparian Vegetation RDB:				Shrubs/Mixed Forest/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.1
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				<0.1
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Clear
Temperature (°C):				17.28
Conductivity (µS/cm):				49.37
pH:				5.52
Turbidity (NTU):				145.1
DO (mg/L):				3.2
Fish Habitat Data				
In-water Cover Features:				Vegetation/Substrate/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow

General Description:

No defined channel or water at crossing location. Upstream is subsurface flow and short sections of shallow run. No defined channel downstream.

Fish Species Captured

Method: N/A

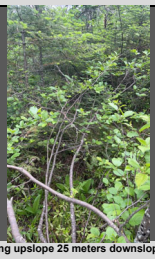
Fish Species Captured: N/A

Fish Habitat Potential Summary

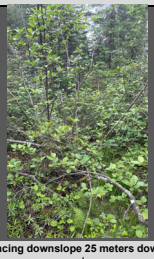
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Facing substrate at crossing

Photograph B: Facing upslope at the crossing



Photograph C: Facing downslope at crossing



Photograph D: Facing upslope 25 meters downslope from the crossing

Photograph E: Facing downslope 25 meters downslope from the crossing

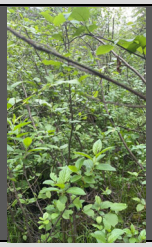
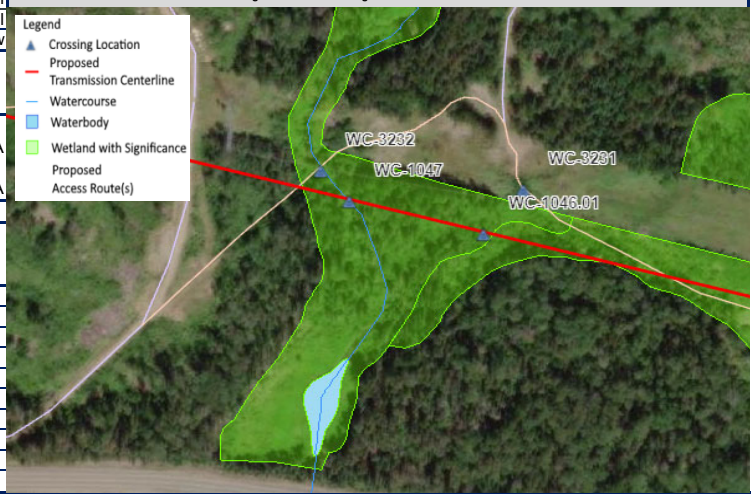


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-1055.01

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-03
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65342 Long:	-90.41375
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse/no waterbody.

Fish Species Captured

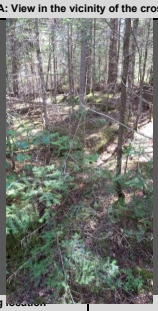
Method: N/A

Fish Species Captured: N/A

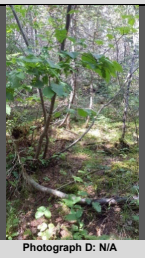
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in the vicinity of the crossing location



Photograph B: View in the vicinity of the crossing location

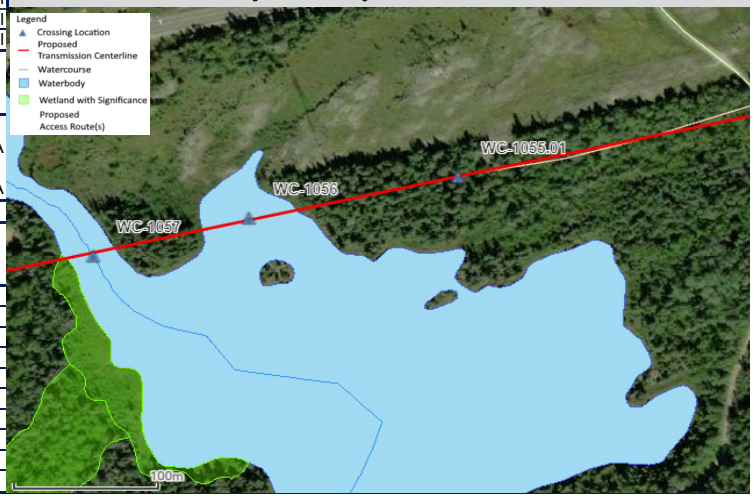


Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1058**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-22
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64507 Long:	-90.46499
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	105
Visual Permenancy:	Permanent
Pattern :	Oval
Confinement:	N/A
Slope:	Low
Stage:	High
Riparian Vegetation SD1:	Muskeg/Shrubs
Riparian Vegetation SD2:	Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	150
Bank Height (m):	0.45
Bankfull Width (m):	155
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Organics
Bed:	Organics
SD2:	Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	22.28
Conductivity (µS/cm):	448.22
pH:	7.12
Turbidity (NTU):	1.33
DO (mg/L):	7.2
Fish Habitat Data	
In-water Cover Features:	Depth/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Shoreline is consistently bog mat with pockets of overhanging vegetation. Evidence of beavers. Lake floor drops off fairly quickly.

Fish Species Captured

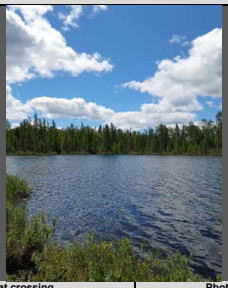
Method: Minnow Trap

Fish Species Captured: Central Mudminnow

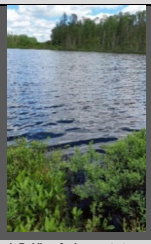
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Medium	Medium	Nil	Medium
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Medium
Perch	High	High	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Medium	High
Other	Medium	Medium	Nil	Medium

Photograph A: Across Lake View

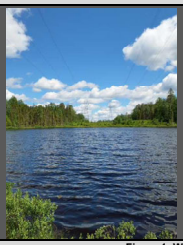


Photograph B: View facing west at crossing



Photograph C: View facing north at crossing

Photograph D: View facing east at crossing



Photograph E: View facing south at crossing

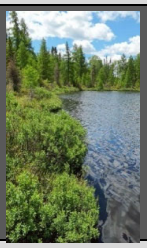
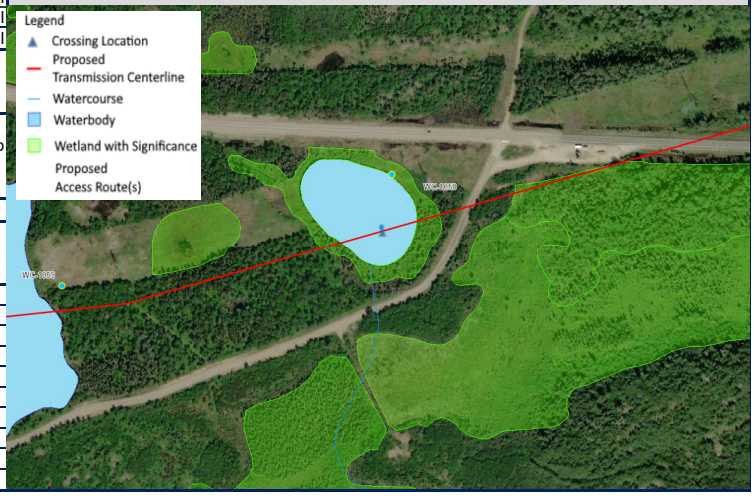


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1059**

Waterbody Name:	Long Lake
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-22
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64375 Long:	-90.47107
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/Grass
Riparian Vegetation SD2:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	300
Bank Height (m):	0.45
Bankfull Width (m):	305
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Sand/Gravel/Silt
Bed:	Sand/Gravel/Silt
SD2:	Sand/Gravel/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	22.44
Conductivity (µS/cm):	152.72
pH:	6.62
Turbidity (NTU):	1.99
DO (mg/L):	7.8
Fish Habitat Data	
In-water Cover Features:	Vegetation/ Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

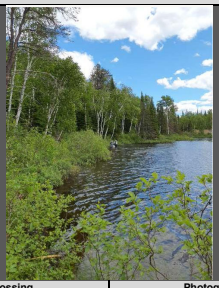
General Description:
The 200 meter reach of shoreline is densly vegetated with almost all of it is overhanging the shoreline. Lake floor slopes about 3 meters from the shore.

Fish Species Captured
Method: Minnow Trap
Fish Species Captured:
Yellow Perch, Central Mudminnow, Northern Pike

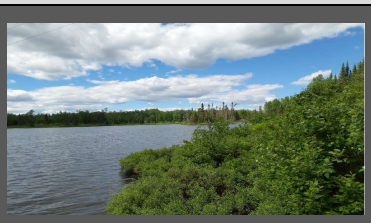
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	High	High	High	High
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	High	High
Perch	High	High	High	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Medium
Trout/Whitefish	High	High	Low	High
Walleye	High	High	High	High
Forage Species	High	High	High	High
Other	High	High	High	High

Photograph A: Eastern Shoreline at crossing

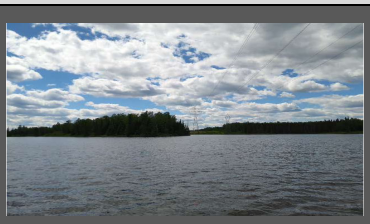


Photograph B: Northern shoreline at crossing



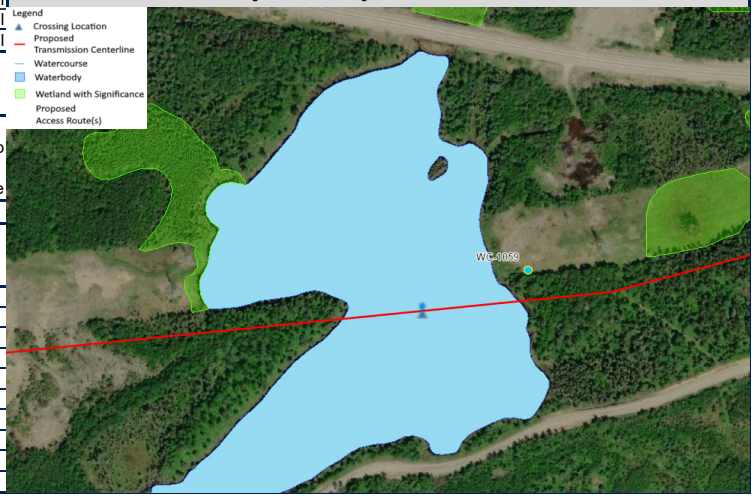
Photograph C: South shoreline at crossing

Photograph D: West shoreline at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-1060**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64073 Long:	-90.50098
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	150
Visual Permenancy:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Shrubs/Grass
Riparian Vegetation SD2:	Muskeg/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	133
Bank Height (m):	0.2
Bankfull Width (m):	135
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Organics
Bed:	Organics
SD2:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	29.6
Conductivity (µS/cm):	27.8
pH:	6.01
Turbidity (NTU):	2.74
DO (mg/L):	6.75
Fish Habitat Data	
In-water Cover Features:	Depth/Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
The 200 meter shoreline was over 0.5 meters in depth and sloped off quickly. The shore of the lake consisted of muskeg.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Low
Other	Low	Low	Nil	Low

Photograph A: View in vicinity of the crossing

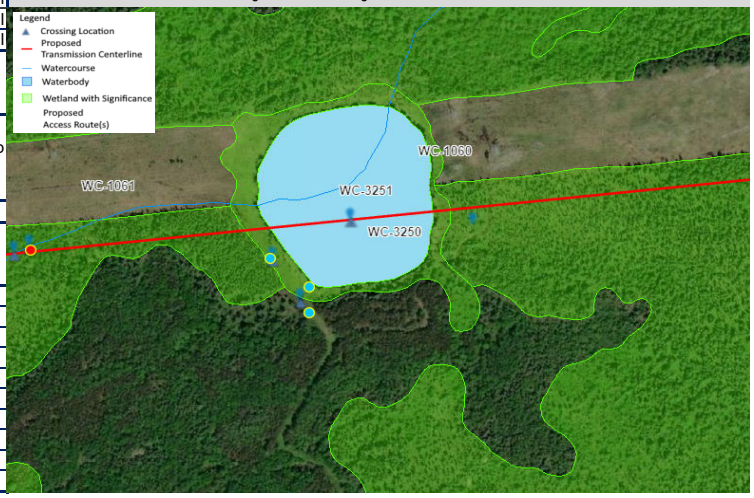
Photograph B: View in vicinity of the crossing

Photograph C: View in vicinity of the crossing

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1061**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-17
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.64072	Long:	-90.50510
Weather Conditions				
Air Temp (°C):				30
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Flat
Length Assessed (m):				100
Visual Permenancy:				Non-Permanent
Pattern :				Irregular
Confinement:				Ocassionally Confined
Form:				Low
Stage:				Low
Riparian Vegetation LDB:				Muskeg/Coniferous Forest/Shrubs/Grass
Riparian Vegetation RDB:				Muskeg/Coniferous Forest/Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.1
Wetted Width (m):				<0.4
Bank Height (m):				<0.3
Bankfull Width (m):				<0.7
Maximum Depth (m):				<0.1
Substrate at Crossing				
LDB:				Fines
Bed:				Fines
RDB:				Fines
Water Quality				
Water Colour:				Tea
Temperature (°C):				23.54
Conductivity (µS/cm):				41.44
pH:				6.25
Turbidity (NTU):				8.18
DO (mg/L):				1.45
Fish Habitat Data				
In-water Cover Features:				Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Poorly defined channel through cedar swamp. No flow, shallow with mucky substrate. Surrounded by stagnant pools for 50 meters on both banks.

Fish Species Captured

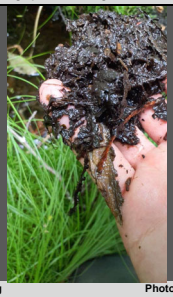
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Crossing substrate.



Photograph B: Facing upstream at crossing

Photograph C: Facing downstream at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Left downstream bank at crossing

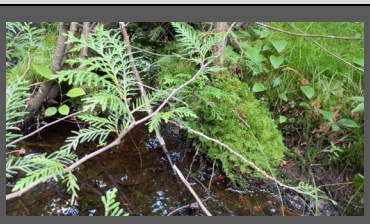
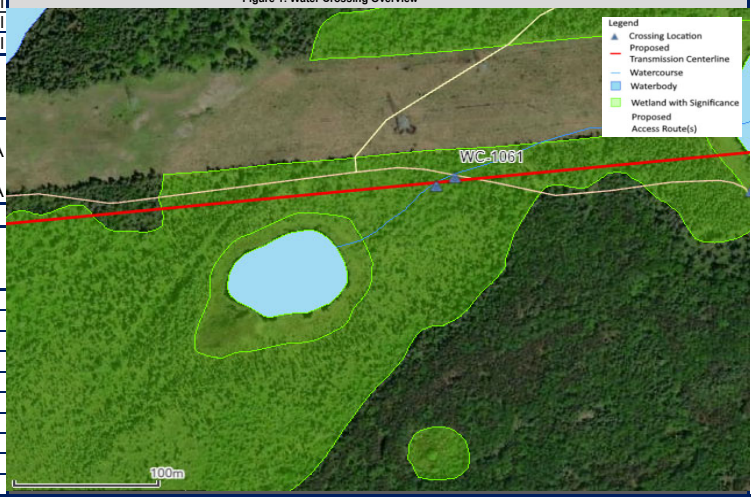


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1063**

Waterbody Name:	Wawiag River
Waterbody Type:	Watercourse
Date surveyed:	2022-08-04
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64130 Long:	-90.53854
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Run/Flat (DS)/Pool (US)
Length Assessed (m):	220
Visual Permenancy:	Permanent
Pattern :	Meander Scrolls
Confinement:	Occasionally Confined
Form:	Incised
Stage:	Low
Riparian Vegetation LDB:	Coniferous Forest
Riparian Vegetation RDB:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	1.73
Bank Height (m):	0.1
Bankfull Width (m):	1.5
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Organics
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	18.95
Conductivity (µS/cm):	276.39
pH:	6.43
Turbidity (NTU):	1.19
DO (mg/L):	1.19
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Narrow channel along the edge of a wetland, roughly 20 meters downstream of a beaver dam along the edge of an existing hydro corridor.

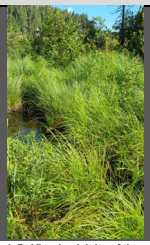
Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Finescale Dace, Creek Chub

Fish Habitat Potential Summary

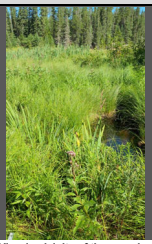
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Beaver pond upstream of crossing

Photograph B: Left downstream bank at crossing



Photograph C: Right downstream bank at crossing



Photograph D: View in vicinity of the crossing

Photograph E: View in vicinity of the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey **Watercrossing:** **WC-1063.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-04
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64141 Long:	-90.54093
Weather Conditions	
Air Temp (°C):	21
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

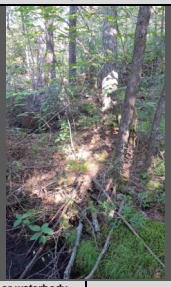
General Description:
No watercourse or waterbody. Dry cedar swamp.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

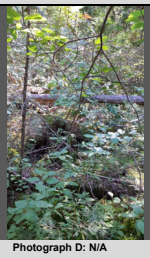
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Photo in cedar swamp, no watercourse or waterbody present



Photograph B: Photo in cedar swamp, no watercourse or waterbody present



Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1064**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-21
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64359 Long:	-90.57380
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pool/Impoundment/Flat/Cascade(DS)Run/Riffle(US)
Length Assessed (m):	12
Visual Permenancy:	Permanent
Pattern :	Irregular Meander
Confinement:	Confined
Form:	Broad
Stage:	Flooded
Riparian Vegetation LDB:	Coniferous Forest
Riparian Vegetation RDB:	Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.7
Wetted Width (m):	3.8
Bank Height (m):	0.26
Bankfull Width (m):	4.2
Maximum Depth (m):	0.9
Substrate at Crossing	
LDB:	Boulder/Cobble
Bed:	Organics/Clay/Cobble/Boulder/Fine Sand
RDB:	Organics/Clay/Cobble/Boulder/Fine Sand
Water Quality	
Water Colour:	Clear
Temperature (°C):	24.44
Conductivity (µS/cm):	184.12
pH:	6.94
Turbidity (NTU):	0.59
DO (mg/L):	6.31
Fish Habitat Data	
In-water Cover Features:	Depth/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Upstream is an impoundment formed by a beaver dam leading to a short flat and a run which empty into a pool. Bedrock dominated substrate.

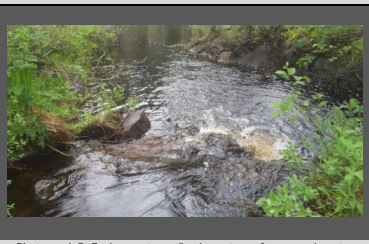
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

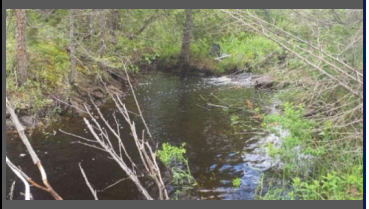
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Medium	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Medium	Low	Medium
Perch	Nil	Medium	Low	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Low	Nil
Forage Species	Low	Medium	Medium	High
Other	Nil	Nil	Nil	Low

Photograph A: Facing upstream at crossing

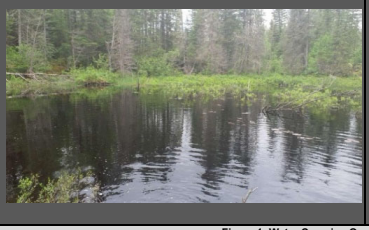
Photograph B: Facing downstream at crossing



Photograph C: Facing upstream 5m downstream from crossing



Photograph D: Facing upstream 5m downstream from crossing at transition to pool



Photograph E: Facing the right downstream bank 5m downstream from crossing at transition to pool

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey **Watercrossing:** **WC-1065**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-19
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.64359	Long:	-90.57403
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				South
Wind Rate:				Low
Reach Data				
Habitat Type:				Impoundment/Flat/Cascade(DS)Run/RiffflePool(US)
Length Assessed (m):				150
Visual Permenancy:				Permanent
Pattern :				Winding
Confinement:				Confined
Form:				Neutral
Stage:				Moderate
Riparian Vegetation LDB:				Coniferous Forest
Riparian Vegetation RDB:				Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.7
Wetted Width (m):				3.8
Bank Height (m):				0.145
Bankfull Width (m):				4.2
Maximum Depth (m):				0.9
Substrate at Crossing				
LDB:				Bedrock/Boulder
Bed:				Bedrock/Boulder
RDB:				Bedrock/Boulder
Water Quality				
Water Colour:				Clear
Temperature (°C):				18.18
Conductivity (µS/cm):				163.65
pH:				6.76
Turbidity (NTU):				0.58
DO (mg/L):				6.57
Fish Habitat Data				
In-water Cover Features:				Depth/Overhanging Vegetation/Substrate
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:
Impoundment created by beaver dam located 22 m downstream. There is a vegetated island at the crossing location created by a channel braid (flat)

Fish Species Captured
Method: Electrofishing
Fish Species Captured: Nil

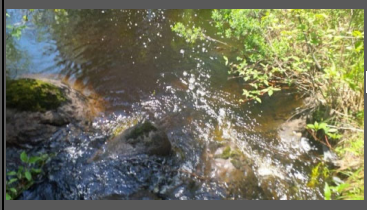
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Low	Low	Low
Walleye	Nil	Low	Low	Nil
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Low

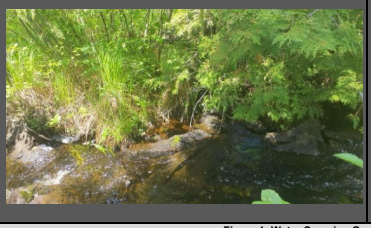
Photograph A: Substrate at crossing

Photograph B: Downstream at crossing

Photograph C: Upstream at crossing



Photograph D: Right downstream bank at crossing



Photograph E: Left downstream bank at crossing

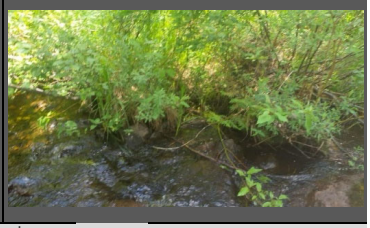


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1067**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-06
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64758 Long:	-90.60529
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Steep
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/Coniferous Forest/Muskeg
Riparian Vegetation SD2:	Shrubs/Coniferous Forest/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1
Wetted Width (m):	30
Bank Height (m):	0.75
Bankfull Width (m):	32
Maximum Depth (m):	>1
Substrate at Crossing	
SD1:	Organics
Bed:	Organics
SD2:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	23.21
Conductivity (µS/cm):	267.63
pH:	6.64
Turbidity (NTU):	1.63
DO (mg/L):	6
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Lake bordered by wetland and coniferous upland forest at crossing location.

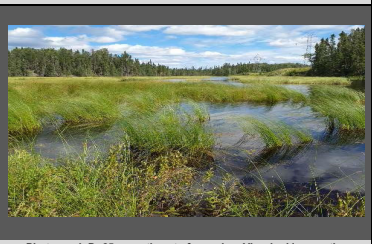
Fish Species Captured
Method: Minnow Trap
Fish Species Captured:
Northern Redbelly Dace, Finescale Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	Nil	High
Perch	High	High	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	High	Nil	High
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

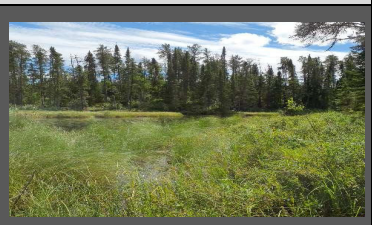
Photograph A: Channel and side channel west of crossing. View looking east.

Photograph B: Near crossing. View looking northeast



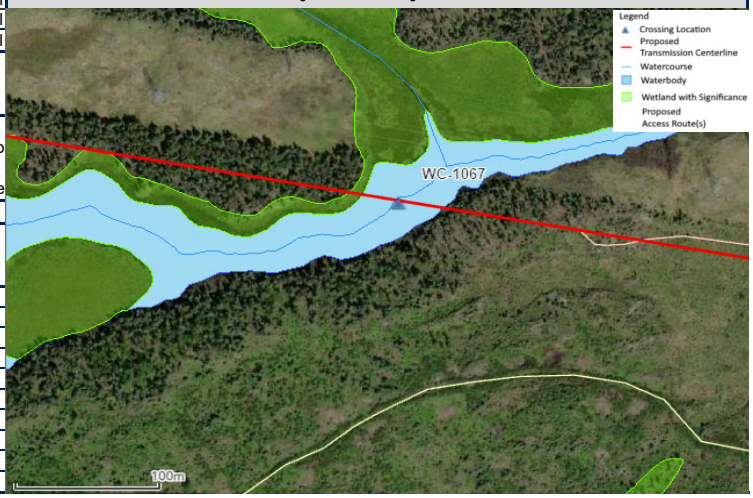
Photograph C: Near crossing. View looking south

Photograph D: 25 m northeast of crossing. View looking south.



Photograph E: Near crossing location, view looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1068**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-25
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64845 Long:	-90.61505
Weather Conditions	
Air Temp (°C):	11
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Moderate
Stage:	High
Riparian Vegetation SD1:	Shrubs/Coniferous Forest
Riparian Vegetation SD2:	Coniferous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.6
Wetted Width (m):	80
Bank Height (m):	0.4
Bankfull Width (m):	80
Maximum Depth (m):	1
Substrate at Crossing	
SD1:	Fines/Bedrock
Bed:	Organics/Boulder/Bedrock/Cobble
SD2:	Fines/Bedrock
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.4
Conductivity (µS/cm):	137.62
pH:	6.36
Turbidity (NTU):	0.13
DO (mg/L):	8.47
Fish Habitat Data	
In-water Cover Features:	Substrate/Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located on a point on irregularly shaped shoreline. Gradual sloping bottom. Bedrock along banks. No inlets or outlets within reach.

Fish Species Captured

Method: Electrofishing, Minnow Trap

Fish Species Captured: Iowa Darter, Yellow Perch, Blacknose Shiner

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Low	Medium	Nil	High
Eel/Lamprey	Nil	Nil	Nil	High
Northern Pike	Low	Medium	Nil	High
Perch	High	High	Nil	High
Sturgeon	Nil	Low	Nil	High
Suckers	Nil	Medium	Nil	High
Trout/Whitefish	Low	Nil	Nil	High
Walleye	Low	Medium	Nil	High
Forage Species	High	High	Nil	High
Other	High	High	Nil	High

Photograph A: Facing east at crossing

Photograph B: Crossing facing north

Photograph C: Crossing facing south

Photograph D: Crossing facing west

Photograph E: facing south 25m downstream from crossing

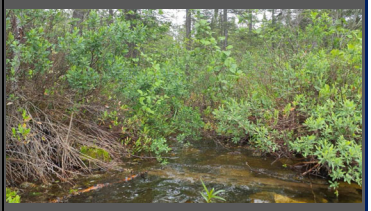
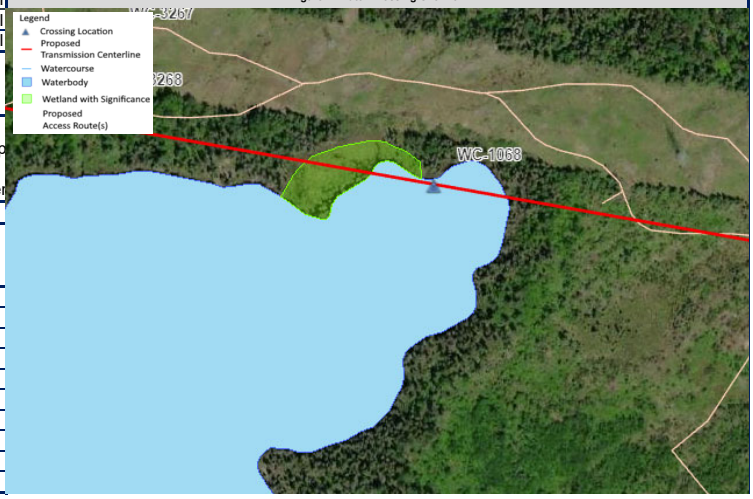


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-1069.01

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-25
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65097 Long:	-90.63683
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Rain
Wind Direction:	Southwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	80
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Coniferous Forest/Shrubs/Grass
Riparian Vegetation SD2:	Coniferous Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.2
Wetted Width (m):	5
Bank Height (m):	<0.3
Bankfull Width (m):	<7
Maximum Depth (m):	0.4
Substrate at Crossing	
SD1:	Fines
Bed:	Organics
SD2:	Fines
Water Quality	
Water Colour:	Clear
Temperature (°C):	21.31
Conductivity (µS/cm):	886.63
pH:	3.54
Turbidity (NTU):	0.6
DO (mg/L):	6.46
Fish Habitat Data	
In-water Cover Features:	Aquatic/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Wetland pond with no flow.

Fish Species Captured
Method: Electrofishing
Fish Species Captured: Nil

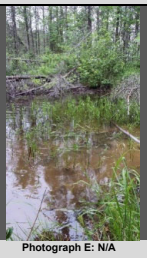
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in vicinity of the crossing

Photograph B: View in vicinity of the crossing

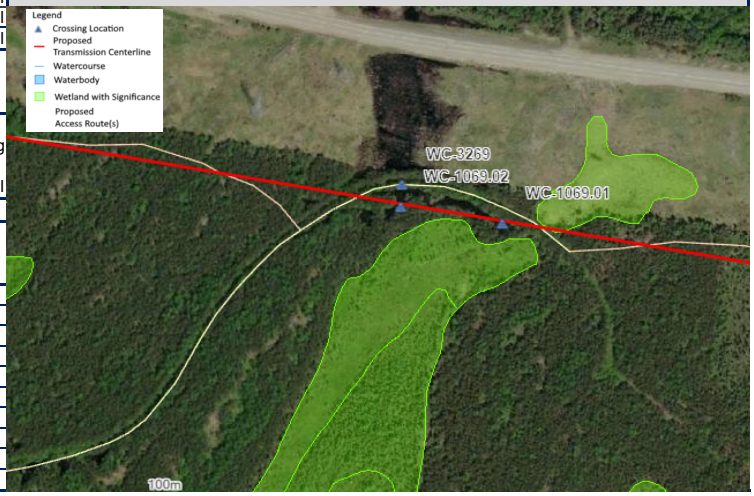
Photograph C: View in vicinity of the crossing



Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-1069.02**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-06-25
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.65114	Long:	-90.63674
Weather Conditions				
Air Temp (°C):				19
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Rain
Wind Direction:				Southwest
Wind Rate:				Moderate
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				20
Visual Permenancy:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Coniferous Forest/Shrubs/Grass
Riparian Vegetation SD2:				Coniferous Forest/Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.2
Wetted Width (m):				6
Bank Height (m):				<0.1
Bankfull Width (m):				<7
Maximum Depth (m):				0.4
Substrate at Crossing				
SD1:				Fines
Bed:				Organics
SD2:				Fines
Water Quality				
Water Colour:				Clear
Temperature (°C):				19.45
Conductivity (µS/cm):				1182.4
pH:				6.02
Turbidity (NTU):				37.39
DO (mg/L):				3.02
Fish Habitat Data				
In-water Cover Features:				Aquatic/Overhanging Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Wetland with poorly defined banks but no flow.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: General wetland area.

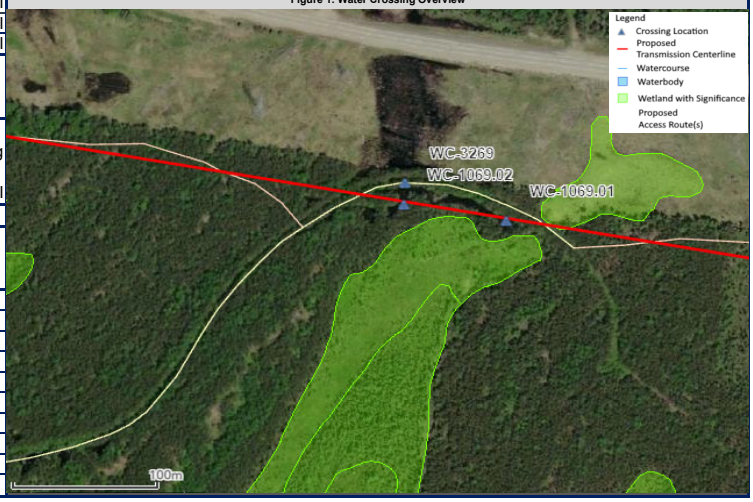
Photograph B: Near crossing location. View looking south.

Photograph C: Near crossing location. View looking west

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-1070.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-26
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65542 Long:	-90.67631
Weather Conditions	
Air Temp (°C):	10
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	200
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Slope:	N/A
Stage:	N/A
Riparian Vegetation SD1:	Grass
Riparian Vegetation SD2:	Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
SD1:	N/A
Bed:	N/A
SD2:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	17.51
Conductivity (µS/cm):	1793
pH:	4.42
Turbidity (NTU):	N/A
DO (mg/L):	1.55
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Thick Aquatic Vegetation

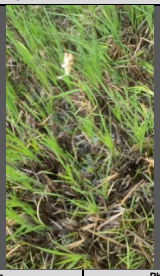
General Description:
Wetland with no defined channel or flow. Dense cattails with shallow pooled water, with organic sheen on water surface and orange algae.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

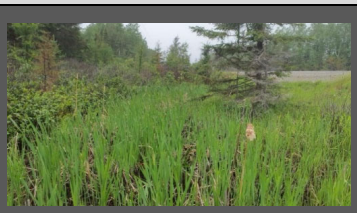
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

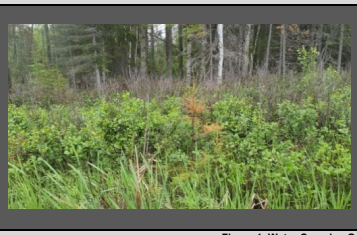


Photograph B: Upslope (west) at crossing



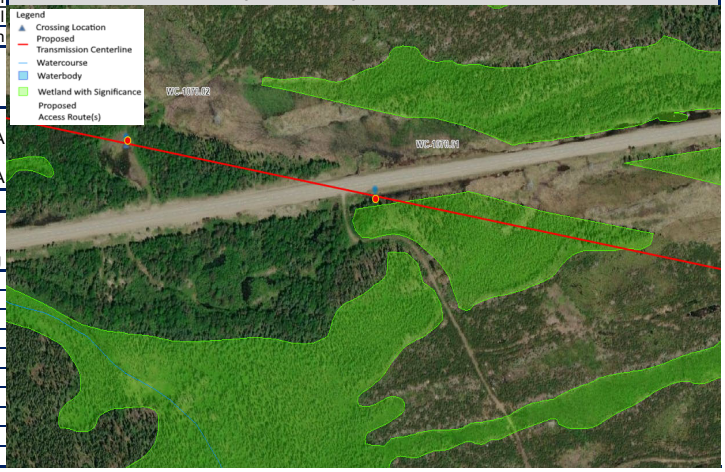
Photograph C: Downslope (east) at crossing

Photograph D: South at crossing



Photograph E: North at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1070.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-26
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65602 Long:	-90.68093
Weather Conditions	
Air Temp (°C):	10
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	200
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

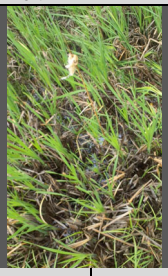
General Description:
Low area at crossing with no water or defined channel. No watercourse or waterbody present.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing



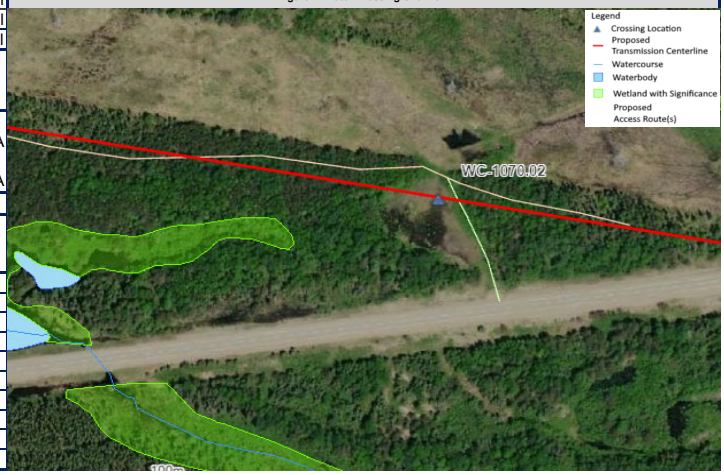
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1071**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-07
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65734 Long:	-90.69012
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel/Flat (DS)/Pool(US)
Length Assessed (m):	235
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Muskeg
Riparian Vegetation RDB:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.42
Wetted Width (m):	26.5
Bank Height (m):	N/A
Bankfull Width (m):	13
Maximum Depth (m):	>1
Substrate at Crossing	
LDB:	Organics
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.06
Conductivity (µS/cm):	264.41
pH:	5.58
Turbidity (NTU):	2.12
DO (mg/L):	4.28
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small channel through bog, occasionally undefined through areas of cattail. Small pooled area downstream of crossing. Stable channel.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Near crossing. View downward

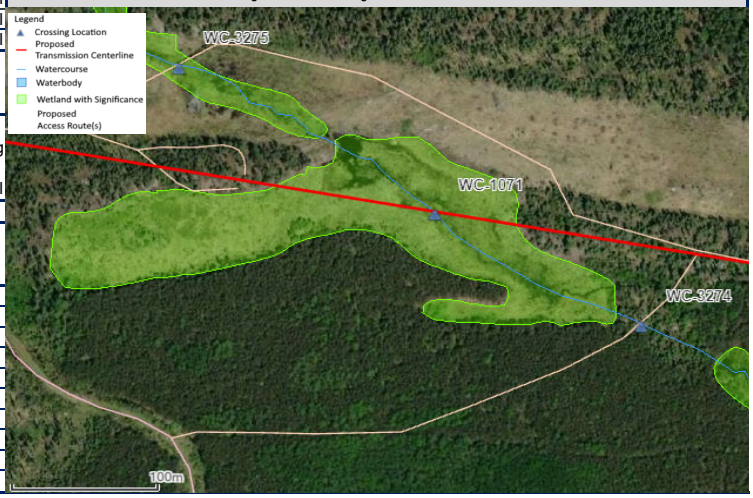
Photograph B: Near crossing. View Upstream

Photograph B: Near Crossing. View Downstream

Photograph D: 75m downstream from crossing. View upstream.

Photograph E: 75m downstream from crossing. View downstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1072**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-20
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65882 Long:	-90.70415
Weather Conditions	
Air Temp (°C):	27
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Irregular Meander
Confinement:	Unconfined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Muskeg/Shrubs
Riparian Vegetation RDB:	Grass/Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.75
Wetted Width (m):	0.75
Bank Height (m):	0.75
Bankfull Width (m):	1
Maximum Depth (m):	1
Substrate at Crossing	
LDB:	Organics/Clay/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	17.62
Conductivity (µS/cm):	128.81
pH:	5.56
Turbidity (NTU):	4.65
DO (mg/L):	2.51
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

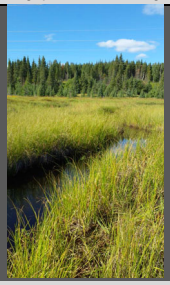
General Description:
Slow, meandering stream cutting though boggy wetland.

Fish Species Captured
Method: Electrofishing, Minnow Trap
Fish Species Captured: White Sucker

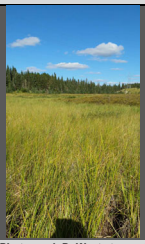
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Low	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Medium	Medium	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Nil

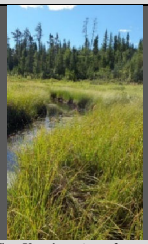
Photograph A: North at crossing



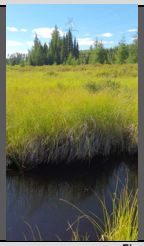
Photograph B: East at crossing



Photograph C: South at crossing



Photograph D: West at crossing



Photograph E: View 50 m downstream from crossing facing downstream

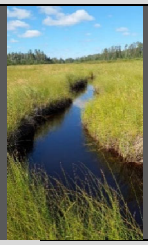
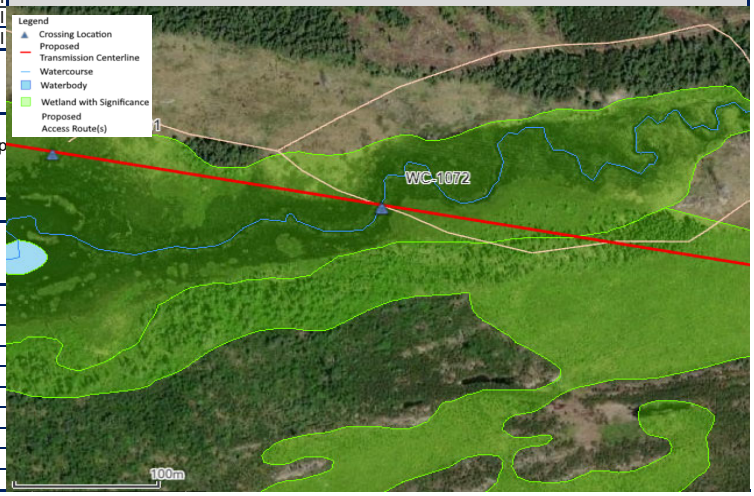


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1072.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-03
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65915 Long:	-90.70822
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Shrubs/Coniferous Forest
Riparian Vegetation RDB:	Grass/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located in a grassy area beside a hydro corridor. No water or channel. Reach is grassy area with no defined channel and damp substrate.

Fish Species Captured

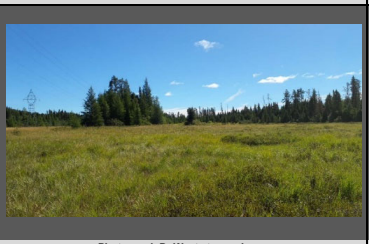
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: East at crossing



Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: Waterbody 50m south of crossing

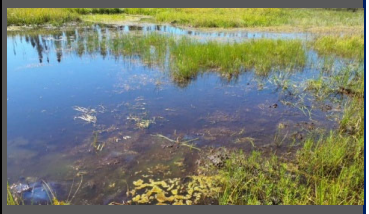
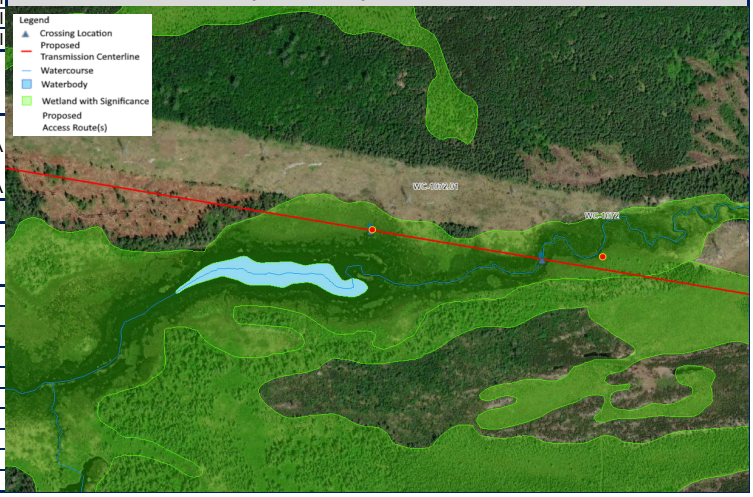


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1073**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-07
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.66337	Long:	-90.74401
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Pond/Run (DS)
Length Assessed (m):				150
Visual Permenancy:				Permanent
Pattern :				Round
Confinement:				N/A
Slope:				Flat
Stage:				Low
Riparian Vegetation SD1:				Shrubs/Grass
Riparian Vegetation SD2:				Grass/Muskeg/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.38
Wetted Width (m):				15
Bank Height (m):				0.125
Bankfull Width (m):				17
Maximum Depth (m):				1.1
Substrate at Crossing				
SD1:				Organics/Silt/Coarse Sand
Bed:				Organics/Silt
SD2:				Organics/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				20.67
Conductivity (µS/cm):				107.36
pH:				5.69
Turbidity (NTU):				6.46
DO (mg/L):				4.44
Fish Habitat Data				
In-water Cover Features:				Substrate/Depth/Woody Debris/Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Culvert
Fish Impediments/Barriers:				Nil

General Description:
Crossing site is a small pond with beaver den on southern bank. Bottom is stable with some areas of sediment loading. Northern shore unstable.

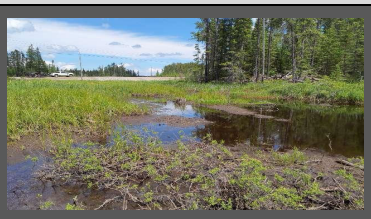
Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Northern Pike, Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	Medium	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	High	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Pond at crossing

Photograph B: Upstream of pond

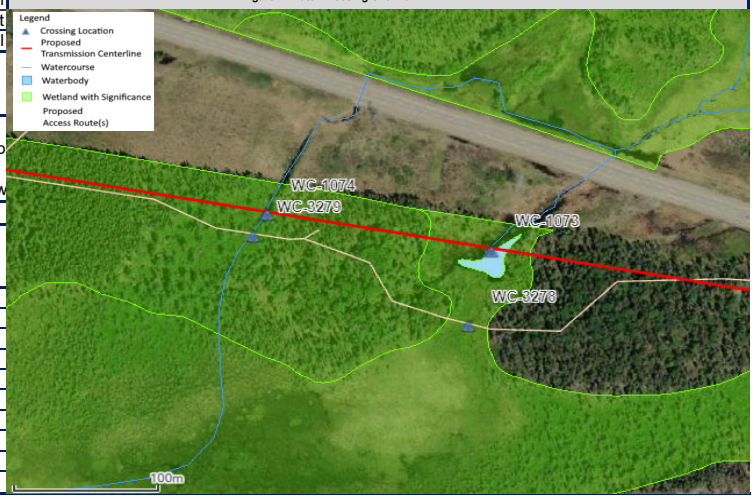


Photograph C: Flow at 37m upstream from crossing with flood plain

Photograph D: Upstream culvert

Photograph E: 50m downstream from crossing with flood plain

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1074**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-06
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.66383	Long:	-90.74340
Weather Conditions				
Air Temp (°C):				18
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Run
Length Assessed (m):				150
Visual Permenancy:				Non-Permanent
Pattern :				Straight
Confinement:				Unconfined
Form:				Neutral
Stage:				Low
Riparian Vegetation LDB:				Shrubs/Grass/Coniferous Forest
Riparian Vegetation RDB:				Shrubs/Grass/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.26
Wetted Width (m):				3.5
Bank Height (m):				0.5
Bankfull Width (m):				5
Maximum Depth (m):				0.65
Substrate at Crossing				
LDB:				Silt/Organics
Bed:				Organics/Silt
RDB:				Organics/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				11.95
Conductivity (µS/cm):				191.75
pH:				5.02
Turbidity (NTU):				6.27
DO (mg/L):				3.72
Fish Habitat Data				
In-water Cover Features:				Vegetation/Woody Debis/Substrate/Depth
Sensitive Features:				Nil
Existing Infrastructure:				Culvert
Fish Impediments/Barriers:				Beaver Dam

General Description:
Densly vegetated riparian zone. Water is pooled behind a dam downstream and the channel becomes braided and dries up.

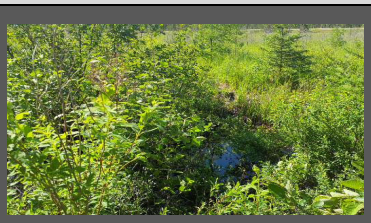
Fish Species Captured
Method: Minnow Trap
Fish Species Captured:
Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: At crossing

Photograph B: View facing upstream 25m from crossing

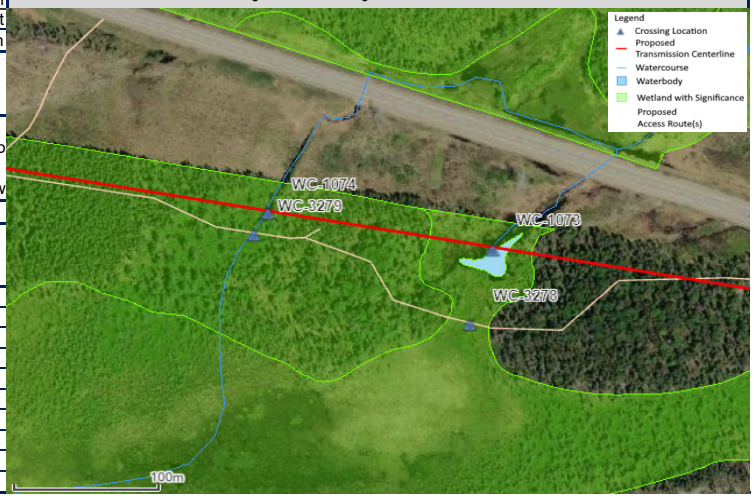


Photograph C: 13.7 m downstream facing dam

Photograph D: Upstream road culvert

Photograph E: 28 m downstream from crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1075**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-06-27
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.66485	Long:	-90.75922
Weather Conditions				
Air Temp (°C):				24
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Lake
Length Assessed (m):				350
Visual Permenancy:				Permanent
Pattern :				Elongated
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Grass/Shrubs/Mixed Forest/Muskeg/Bare
Riparian Vegetation SD2:				Grass/Shrubs/Mixed Forest/Muskeg/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				>1.5
Wetted Width (m):				130
Bank Height (m):				2.38
Bankfull Width (m):				195
Maximum Depth (m):				>1.5
Substrate at Crossing				
SD1:				Fines/Coarse
Bed:				Sand/Organics/Cobble/Boulder/Bedrock
SD2:				Fines/Coarse
Water Quality				
Water Colour:				Clear
Temperature (°C):				21.39
Conductivity (µS/cm):				98.39
pH:				6.66
Turbidity (NTU):				0.18
DO (mg/L):				9.59
Fish Habitat Data				
In-water Cover Features:				Depth/Woody Debris/Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				CSP Culvert
Fish Impediments/Barriers:				Culvert

General Description:
Lake is deep with aquatic vegetation along shoreline and variety of substrates.

Fish Species Captured

Method: Angling, Minnow Trap

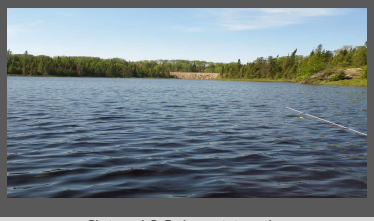
Fish Species Captured: Yellow Perch, Northern Pike

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Low	Low	Nil	Low
Eel/Lamprey	Low	Low	Low	Low
Northern Pike	High	High	Medium	High
Perch	High	High	Medium	High
Sturgeon	Nil	Low	Nil	Low
Suckers	High	High	Medium	High
Trout/Whitefish	Low	Low	Nil	Low
Walleye	Nil	Medium	Medium	Medium
Forage Species	High	High	Medium	High
Other	High	High	Medium	High

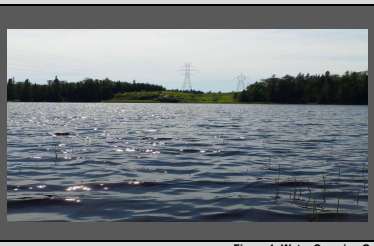
Photograph A: 100 meters north from crossing looking at substrate

Photograph B: Facing north at crossing



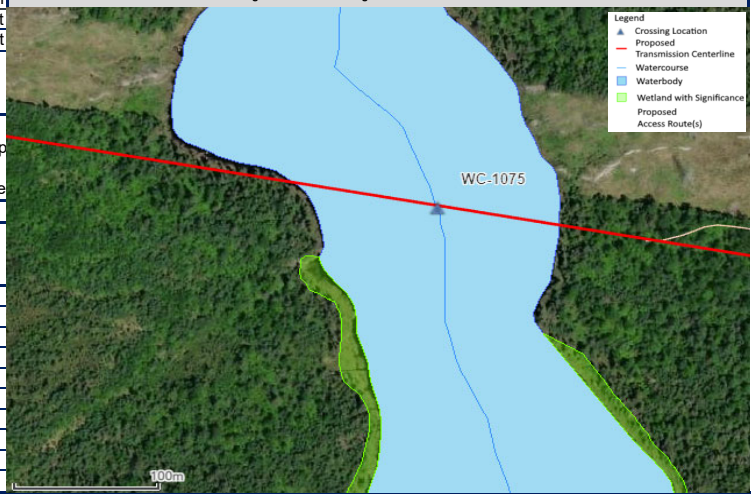
Photograph C: Facing south at crossing

Photograph D: Facing west at crossing



Photograph E: 100 m north of crossing facing south

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1075.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-18
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.66569 Long:	-90.76570
Weather Conditions	
Air Temp (°C):	27
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Brown
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	N/A
Existing Infrastructure:	N/A
Fish Impediments/Barriers:	N/A

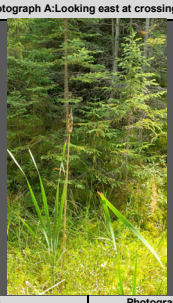
General Description:
Wetland area between bedrock outcrops which turns to coniferous forest and sedges/grasses. One small area of pooled water.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

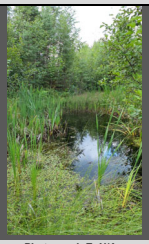
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A:Looking east at crossing

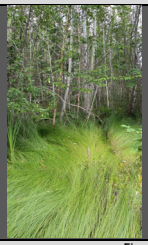


Photograph B: Looking north at crossing

Photograph C: Looking south at crossing at pooled water

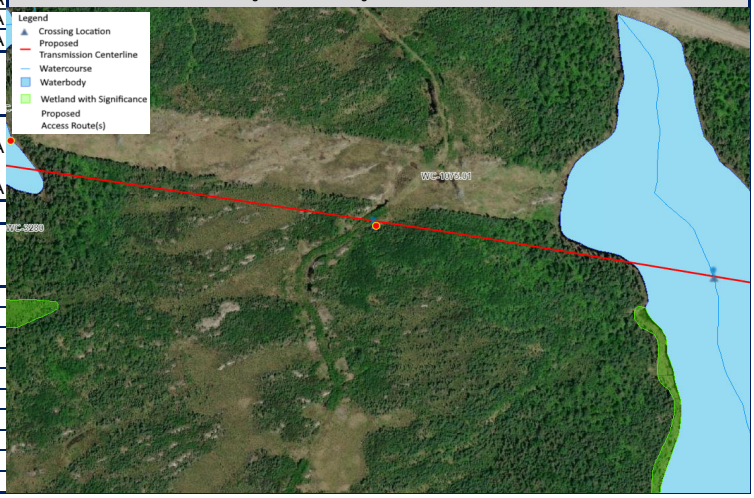


Photograph D: Looking west at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1076**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-19
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.66661 Long:	-90.77155
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/Grass
Riparian Vegetation SD2:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	135
Bank Height (m):	0.5
Bankfull Width (m):	141
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Boulder/Cobble/Bedrock
Bed:	Boulder/Cobble/Bedrock
SD2:	Boulder/Cobble/Bedrock
Water Quality	
Water Colour:	Tea
Temperature (°C):	23.2
Conductivity (µS/cm):	216.3
pH:	6.3
Turbidity (NTU):	1.26
DO (mg/L):	7.3
Fish Habitat Data	
In-water Cover Features:	Depth/Substrate/Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	NIl
Fish Impediments/Barriers:	Nil

General Description:
Rocky-shored lake surrounded by dense coniferous forest. East and west shorelines partially cleared for existing corridor.

Fish Species Captured

Method: Minnow Trap

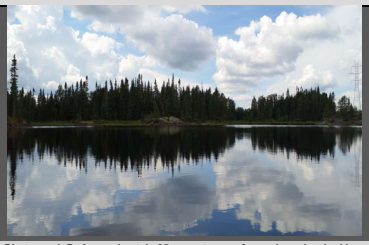
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Medium
Perch	Medium	Medium	Nil	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Medium	Nil	Medium
Trout/Whitefish	Low	Low	Nil	Low
Walleye	Low	Low	Nil	Low
Forage Species	Medium	Medium	Nil	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: South at crossing

Photograph B: West at crossing

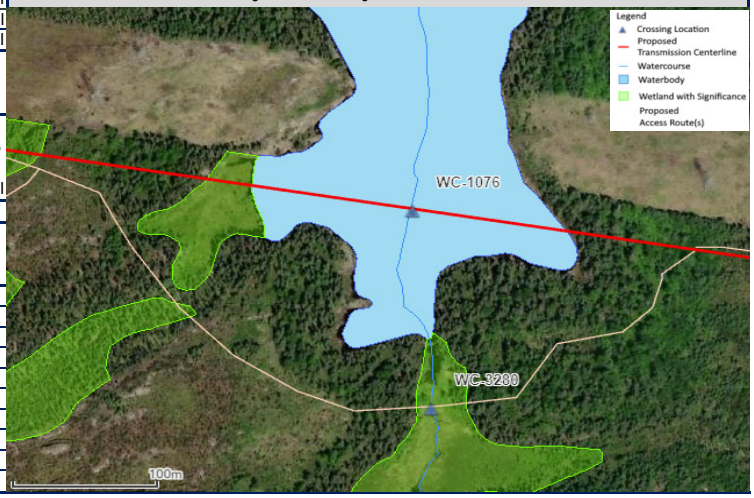


Photograph C: East at crossing

Photograph D: Approximately 25 m upstream of crossing; view looking downstream.

Photograph E: Approximately 50 m downstream of crossing; view looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1076.01**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-19
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67024 Long:	-90.80948
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	150
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Flat
Stage:	Moderate
Riparian Vegetation SD1:	Grass/Coniferous Forest/Shrubs/Muskeg
Riparian Vegetation SD2:	Grass/Coniferous Forest/Shrubs/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	220
Bank Height (m):	<0.3
Bankfull Width (m):	180
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Fines
Bed:	Organics/Silt/Bedrock
SD2:	Fines
Water Quality	
Water Colour:	Brown
Temperature (°C):	23
Conductivity (µS/cm):	14
pH:	7
Turbidity (NTU):	16.85
DO (mg/L):	8.49
Fish Habitat Data	
In-water Cover Features:	Substrate/Depth/Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is located in a wetland on the north side of a small waterbody. No defined channel in the wetland, standing water only.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Yellow Perch, Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Low	Low
Perch	Medium	High	Medium	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Medium	Low	Low
Trout/Whitefish	Low	Low	Nil	Low
Walleye	Low	Low	Low	Low
Forage Species	Medium	High	Medium	Medium
Other	Low	Low	Low	Low

Photograph A: Looking east from crossing

Photograph B: Looking north towards hydro corridor

Photograph C: Looking south at waterbody downstrem of crossing

Photograph D: Looking west from crossing

Photograph E: Hydro corridor adjacent to crossing

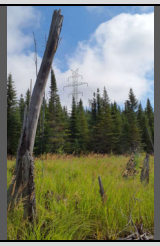
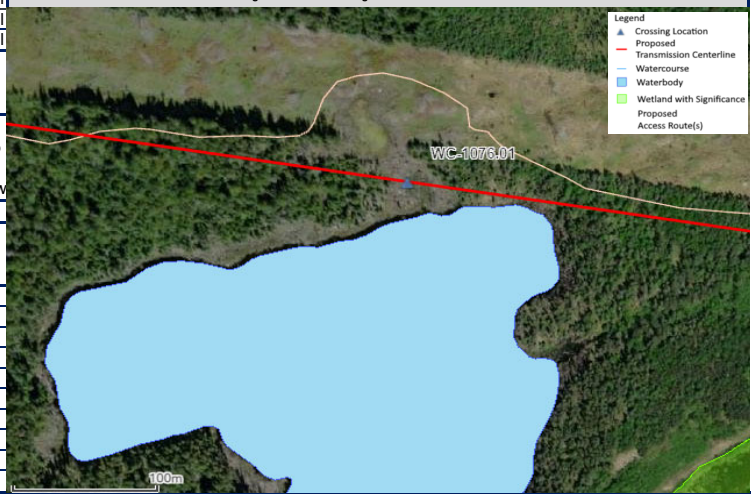


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1078.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-26
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67270 Long:	-90.84473
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	Dry
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Muskeg area south of existing powerline corridor. No watercourse present within 50 meters.

Fish Species Captured

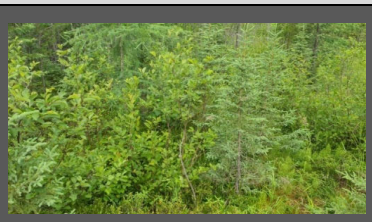
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

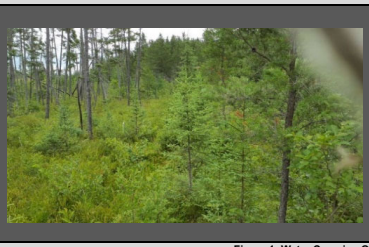
Photograph A: South at crossing

Photograph B: West at crossing



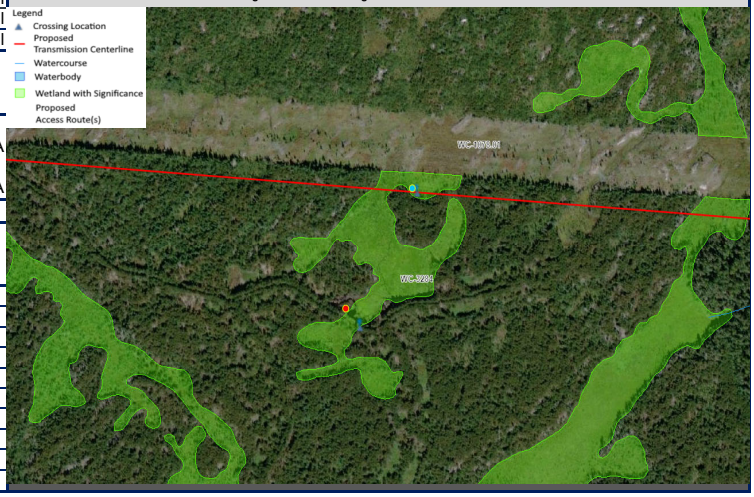
Photograph C: North at crossing

Photograph D: East at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1079**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-21
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67412 Long:	-90.87722
Weather Conditions	
Air Temp (°C):	9
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Run/Flat
Length Assessed (m):	195
Visual Permenancy:	Permanent
Pattern :	Irregular Meander
Confinement:	Confined
Form:	Irregular
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Grass
Riparian Vegetation RDB:	Coniferous Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.31
Wetted Width (m):	0.8
Bank Height (m):	0.35
Bankfull Width (m):	1
Maximum Depth (m):	0.6
Substrate at Crossing	
LDB:	Boulder/Organics/Silt/Cobble
Bed:	Organics/Silt/Cobble
RDB:	Organics/Silt/Cobble
Water Quality	
Water Colour:	Tea
Temperature (°C):	13.57
Conductivity (µS/cm):	250.46
pH:	5.19
Turbidity (NTU):	3.92
DO (mg/L):	8.15
Fish Habitat Data	
In-water Cover Features:	Vegetation/Substrate/Woody Debris
Sensitive Features:	Islands
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
There is a short flat 90 meters downstream. 38 meters upstream of crossing is another flat with flooded banks.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Low	Medium	Nil
Eel/Lamprey	Low	Low	Low	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Low	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Low	Nil
Trout/Whitefish	Low	Low	Low	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	High	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Upstream at crossing

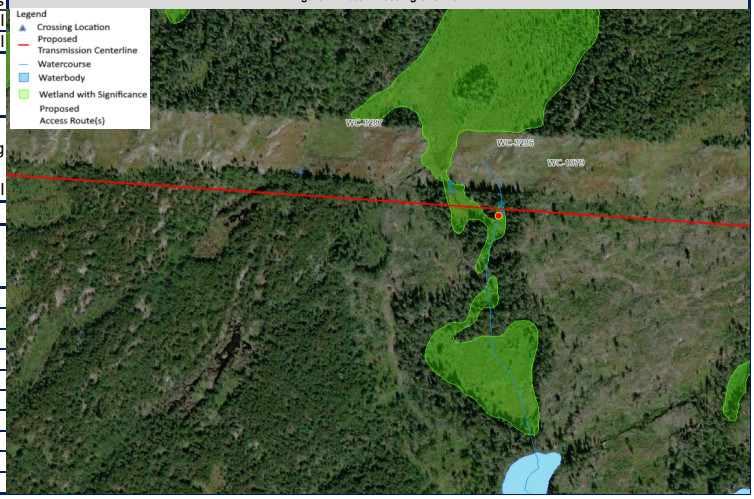
Photograph B: Downstream at crossing

Photograph C: Left downstream bank at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Channel at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1080**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-04
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67662 Long:	-90.93034
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Cattail wetland. No watercourse or waterbody present.

Fish Species Captured

Method: N/A

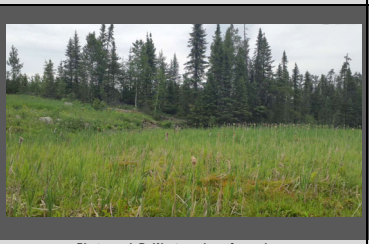
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: East view of crossing

Photograph B: Northern view of crossing



Photograph C: Southern view of crossing

Photograph D: Western view of crossing

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1081**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-25
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67842 Long:	-90.94268
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	270
Visual Permenancy:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Coniferous Forest/Grass/Shrubs
Riparian Vegetation SD2:	Muskeg/Coniferous Forest/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.75
Wetted Width (m):	91.75
Bank Height (m):	0.5
Bankfull Width (m):	94.25
Maximum Depth (m):	<0.75
Substrate at Crossing	
SD1:	Fines
Bed:	Organics/Bedrock/Boulder
SD2:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	23.86
Conductivity (µS/cm):	547.6
pH:	5.7
Turbidity (NTU):	0.21
DO (mg/L):	6.74
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Waterbody in a basin with bedrock on the west, north and east sides, and highway 11/17 to the south keeps the waterbody contained.

Fish Species Captured

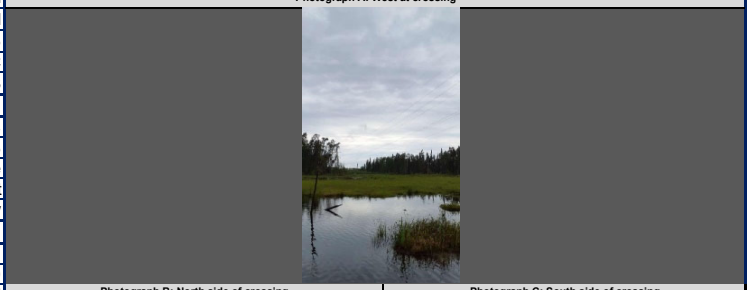
Method: Minnow Trap

Fish Species Captured: Central Mudminnow, Leuciscidae sp..

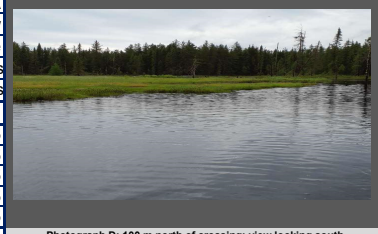
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Nil
Other	Low	Low	Nil	Nil

Photograph A: West at crossing

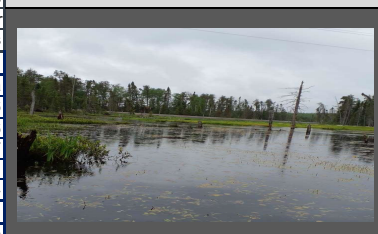


Photograph B: North side of crossing



Photograph C: South side of crossing

Photograph D: 100 m north of crossing; view looking south



Photograph E: Approx. 100 m north of crossing; view looking north

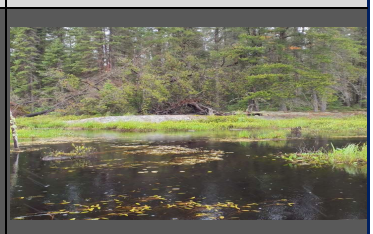
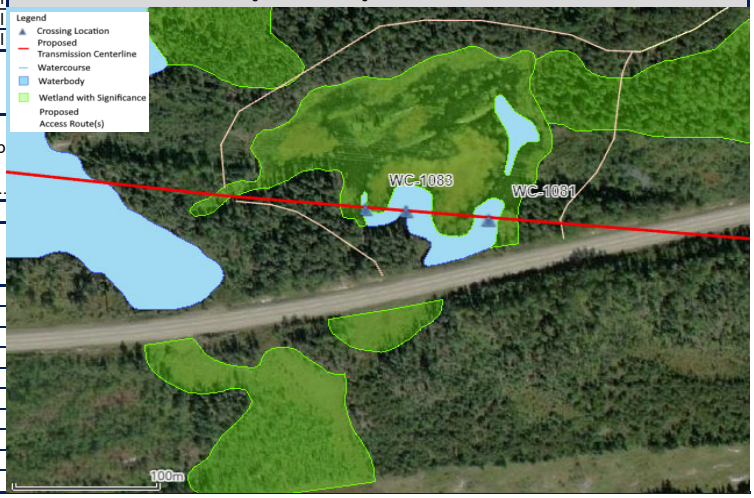


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1082**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-25
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67754 Long:	-90.94364
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	50-75
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	270
Visual Permenancy:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Coniferous Forest/Grass/Shrubs
Riparian Vegetation SD2:	Muskeg/Coniferous Forest/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.75
Wetted Width (m):	91.75
Bank Height (m):	0.5
Bankfull Width (m):	94.25
Maximum Depth (m):	<0.75
Substrate at Crossing	
SD1:	Fines
Bed:	Organics/Bedrock/Boulder
SD2:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	23.86
Conductivity (µS/cm):	547.6
pH:	5.7
Turbidity (NTU):	0.21
DO (mg/L):	6.74
Fish Habitat Data	
In-water Cover Features:	Woody Debris/ Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Waterbody in a basin with bedrock on the west, north and east sides, and highway 11/17 to the south keeps the waterbody contained.

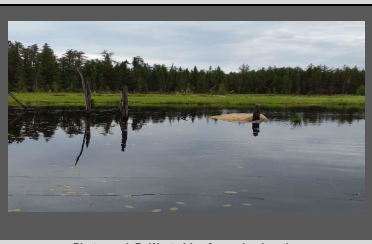
Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Central Mudminnow, Leuciscidae sp..

Fish Habitat Potential Summary

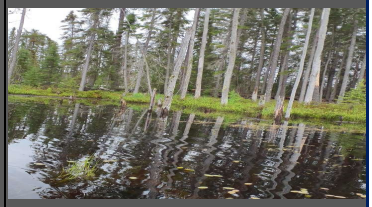
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Nil
Other	Low	Low	Nil	Nil

Photograph A: East side of crossing location

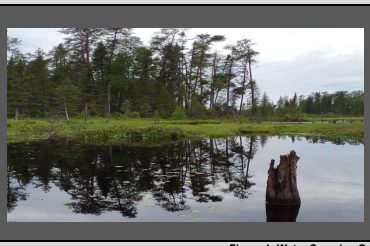
Photograph B: North side of crossing location



Photograph C: South side of crossing location

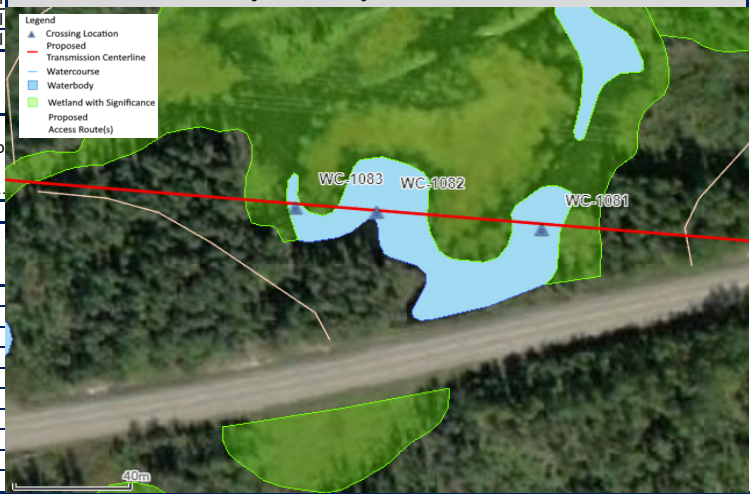


Photograph D: West side of crossing location.



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1083**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-06-25
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.67761	Long:	-90.94395
Weather Conditions				
Air Temp (°C):				24
Cloud Cover (%):				50-75
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				270
Visual Permenancy:				Permanent
Pattern :				Round
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Muskeg/Coniferous Forest/Shrubs/Grass
Riparian Vegetation SD2:				Muskeg/Coniferous Forest/Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.75
Wetted Width (m):				91.75
Bank Height (m):				0.5
Bankfull Width (m):				94.25
Maximum Depth (m):				<0.75
Substrate at Crossing				
SD1:				Fines
Bed:				Organics/Bedrock/Boulder
SD2:				Fines
Water Quality				
Water Colour:				Tea
Temperature (°C):				23.86
Conductivity (µS/cm):				547.6
pH:				5.7
Turbidity (NTU):				0.21
DO (mg/L):				6.74
Fish Habitat Data				
In-water Cover Features:				Woody Debris/ Depth
Sensitive Features:				Iron Staining
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow

General Description:
Waterbody in a basin with bedrock on the west, north and east sides, and highway 11/17 to the south keeps the waterbody contained.

Fish Species Captured

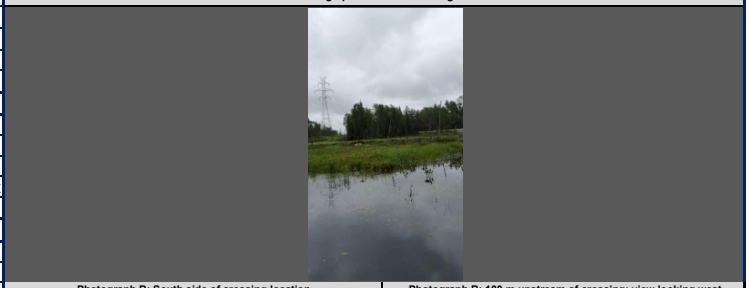
Method: Minnow Trap

Fish Species Captured:
Central Mudminnow, Leuciscidae sp..

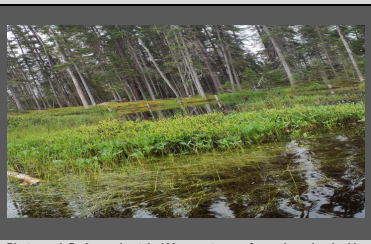
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Nil
Other	Low	Low	Nil	Nil

Photograph A: East at crossing



Photograph B: South side of crossing location

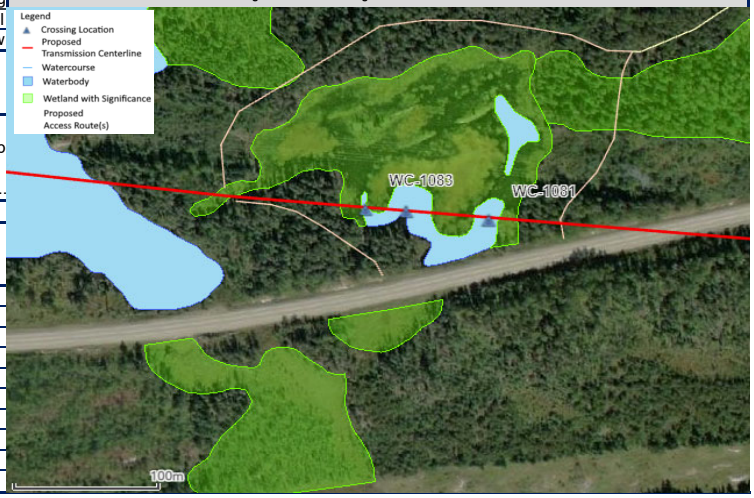


Photograph B: 100 m upstream of crossing; view looking west

Photograph D: Approximately 100 m upstream of crossing; view looking south

Photograph E: Approx. 100 m upstream of crossing; view looking north

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1084**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.67729 Long: -90.94777
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Mixed Forest/Shrubs/Muskeg/Grasses
Riparian Vegetation SD2:	Mixed Forest/Shrubs/Muskeg/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	590
Bank Height (m):	N/A
Bankfull Width (m):	600
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Organics/Bedrock/Boulder/Cobble/Clay
Bed:	Organics/Bedrock/Boulder/Cobble/Clay
SD2:	Organics/Bedrock/Boulder/Cobble/Clay
Water Quality	
Water Colour:	Clear
Temperature (°C):	22.95
Conductivity (µS/cm):	101.25
pH:	6.57
Turbidity (NTU):	1.22
DO (mg/L):	8.92
Fish Habitat Data	
In-water Cover Features:	Depth/Woody Debris/Substrate/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Lake with uniform shoreline with lots of woody debris. Bog habitat with forest. Waterbody is very deep with a large population of minnow species.

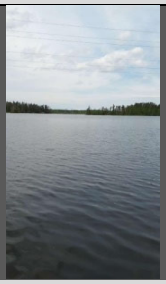
Fish Species Captured

Method:	Minnow Trap
Fish Species Captured:	Northern Redbelly Dace, Central Mudminnow, Blacknose Dace, Blacknose Shiner

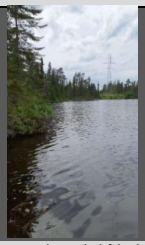
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Low	Low	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Low
Northern Pike	High	High	Low	High
Perch	High	High	Low	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Low	Low	Nil	Low
Walleye	Low	Low	Nil	Medium
Forage Species	Medium	Medium	Medium	Medium
Other	Medium	Medium	Nil	Medium

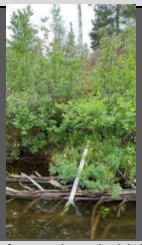
Photograph A: Uspream at crossing



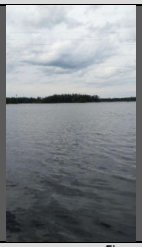
Photograph B: Left bank at crossing



Photograph C: Downstream at crossing



Photograph D: 50m from crossing on the left bank facing upstream



Photograph E: 100m from crossing on the right bank facing along the bank

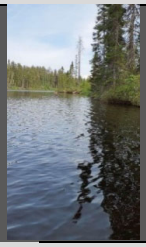
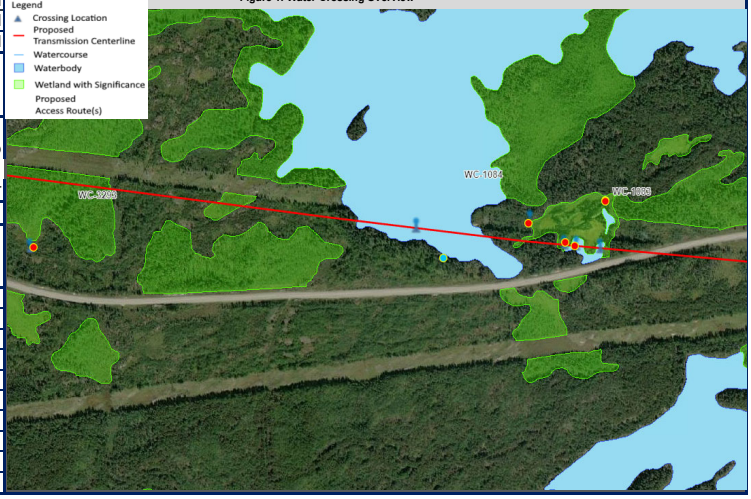


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1095**

Waterbody Name:				Little Pickerel River/Mink Lake
Waterbody Type:				Lake/Pond
Date surveyed:				2022-09-03
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.68807	Long:	-91.09633
Weather Conditions				
Air Temp (°C):				20
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Lake
Length Assessed (m):				200
Visual Permenancy:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				Low
Riparian Vegetation SD1:				Shrubs/Bare/Grass
Riparian Vegetation SD2:				Shrubs/Bare/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				>1.5
Wetted Width (m):				360
Bank Height (m):				>0.3
Bankfull Width (m):				390
Maximum Depth (m):				>1.5
Substrate at Crossing				
SD1:				Sand/Medium Gravel/Cobble/Boulder/Organic
Bed:				Boulder/Cobble/Fine Sand/Silt
SD2:				Boulder/Cobble/Fine Sand/Silt
Water Quality				
Water Colour:				Clear
Temperature (°C):				23.8
Conductivity (µS/cm):				22.6
pH:				6.37
Turbidity (NTU):				1.48
DO (mg/L):				8.51
Fish Habitat Data				
In-water Cover Features:				Woody Debris/Aquatic Vegetation/Depth
Sensitive Features:				Shoals
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Water is shallow with very low sloping shorelines and lots of aquatic vegetation throughout.

Fish Species Captured

Method: Observation

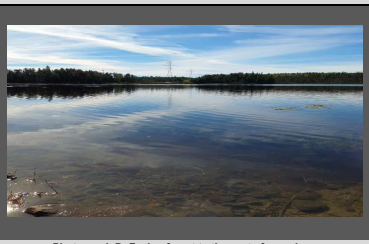
Fish Species Captured: Northern Pike, Leuciscidae sp.

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Medium	Medium	Medium	Low
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	High	Low
Perch	Medium	Medium	Medium	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Medium	Medium	Low
Trout/Whitefish	Nil	Medium	Low	Nil
Walleye	Nil	Medium	Medium	Low
Forage Species	High	High	High	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Facing north at crossing

Photograph B: Facing west at crossing



Photograph C: Facing south at crossing

Photograph D: Facing forest to the east of crossing

Photograph E: Aquatic vegetation on east side of crossing

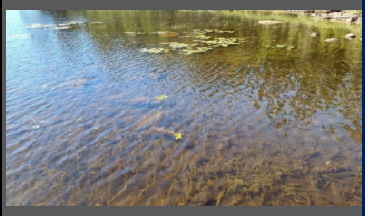


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1109**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-11
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.68172 Long:	-91.31765
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Moderate
Stage:	Moderate
Riparian Vegetation SD1:	Grass/Shrubs/Coniferous Forest
Riparian Vegetation SD2:	Grass/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	50
Bank Height (m):	0.7
Bankfull Width (m):	63.55
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Bedrock/Organics
Bed:	Organics/Cobble
SD2:	Bedrock/Organics
Water Quality	
Water Colour:	Black
Temperature (°C):	22.55
Conductivity (µS/cm):	24.28
pH:	5.95
Turbidity (NTU):	1.73
DO (mg/L):	2.85
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Depth/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Small pond with lots of floating vegetation. Beaver lodges within waterbody. Outflow under the roadway. Vegetated hummocks protruding from pond.

Fish Species Captured

Method: Observation

Fish Species Captured: Leuciscidae sp.

Fish Habitat Potential Summary

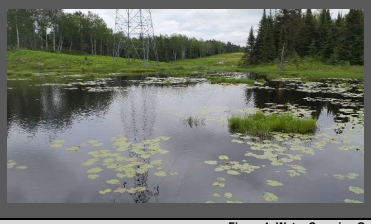
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Low
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

Photograph A: Stable bedrock bank at crossing location

Photograph B: Pond facing north at crossing

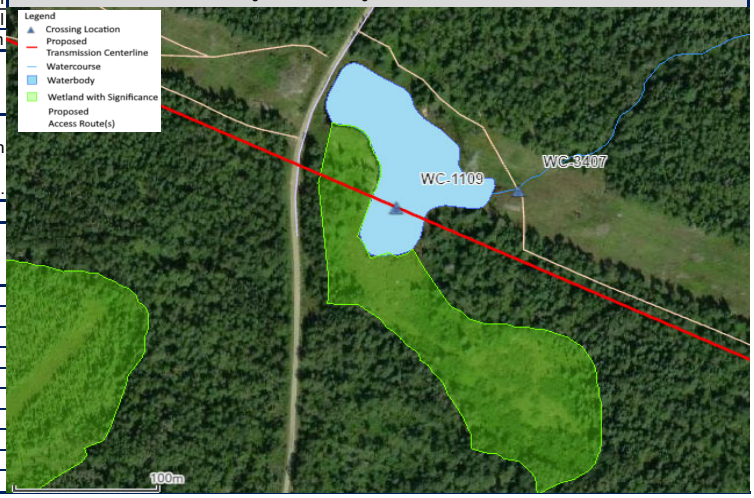
Photograph C: Pond facing south at crossing

Photograph D: Pond facing east at crossing



Photograph E: Photo of pond and transmission line. Photo taken from road facing east side of pond.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1110.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.67790 Long:	-90.92707
Weather Conditions	
Air Temp (°C):	11
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Coniferous Forest
Riparian Vegetation RDB:	Muskeg/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

50 m upslope to 22 m downslope is dry with no defined channel. Immediately upslope of the crossing is a treed bog. Downslope is flooded muskeg.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

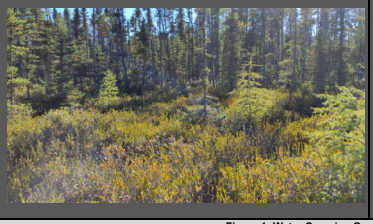
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial photo of crossing

Photograph B: Northwest at crossing

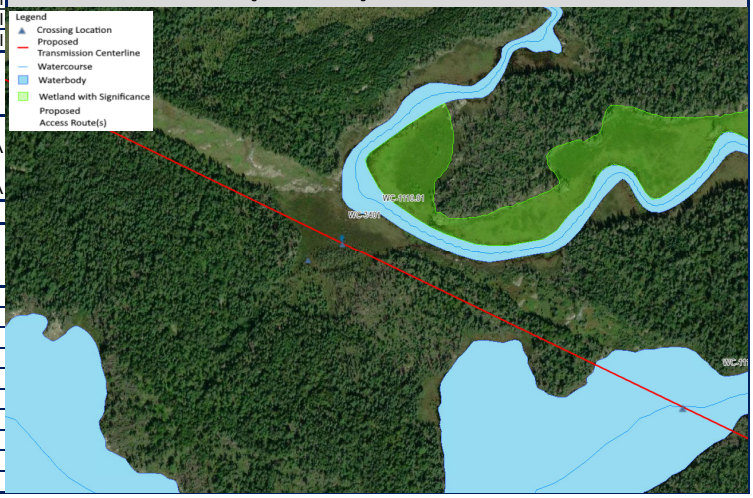
Photograph C: North at crossing

Photograph D: South at crossing



Photograph E: West at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-1114.01

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-12
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.70661 Long:	-91.40067
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse or waterbody.

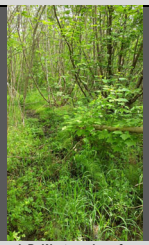
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

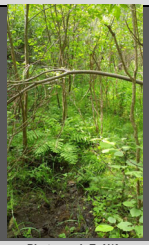
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Eastern view of crossing

Photograph B: Nortern view of crossing



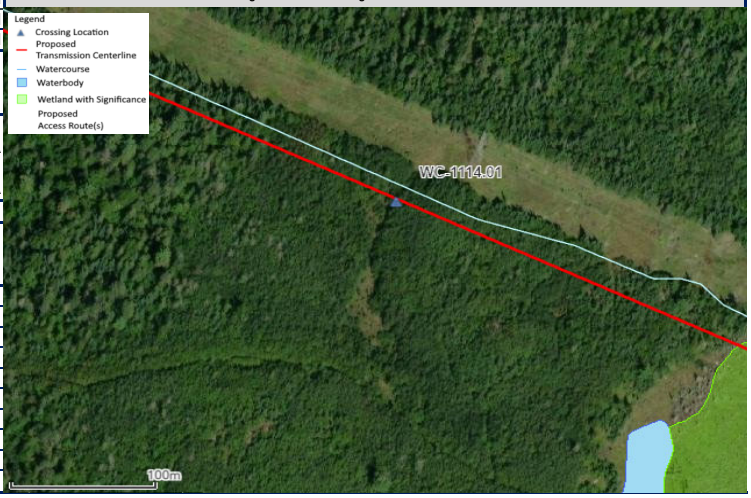
Photograph C: Southern view of crossing



Photograph D: Western view of crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1114.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-12
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.70834 Long:	-91.40590
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	50-75
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.13
Conductivity (µS/cm):	33.86
pH:	4.39
Turbidity (NTU):	5.37
DO (mg/L):	1.83
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
The point of crossing is a low-lying feature in the form of a wetland with small, intermittent pools of water. Adjacent is the hydro right-of-way.

Fish Species Captured

Method: N/A

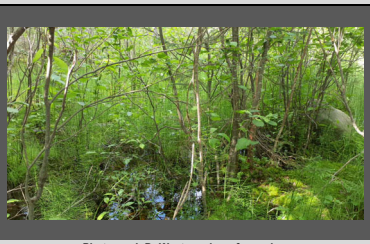
Fish Species Captured: N/A

Fish Habitat Potential Summary

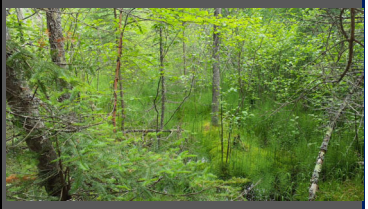
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical ground cover

Photograph B: Northern view of crossing



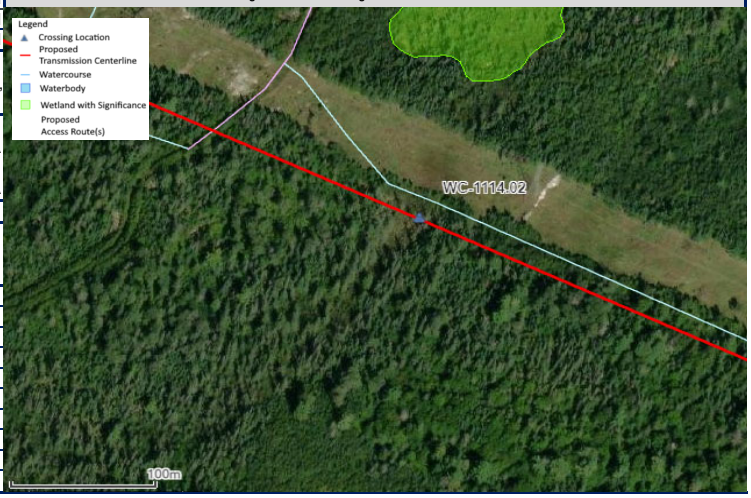
Photograph C: Northern view of crossing from granite ridge



Photograph D: Western view of crossing

Photograph E: Eastern view of crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1117**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-09-17
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.71326	Long:	-91.43066
Weather Conditions				
Air Temp (°C):				19
Cloud Cover (%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				South
Wind Rate:				Low
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				200
Visual Permenancy:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				High
Riparian Vegetation SD1:				Muskeg
Riparian Vegetation SD2:				Muskeg/Grass/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.5
Wetted Width (m):				89.25
Bank Height (m):				0.5
Bankfull Width (m):				98.75
Maximum Depth (m):				>0.75
Substrate at Crossing				
SD1:				Organics/Bedrock
Bed:				Organics/Cobble/Bedrock
SD2:				Organics
Water Quality				
Water Colour:				Tea
Temperature (°C):				13.4
Conductivity (µS/cm):				14.35
pH:				6.75
Turbidity (NTU):				4.33
DO (mg/L):				9.76
Fish Habitat Data				
In-water Cover Features:				Substrate/Woody Debris/Aquatic Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Isolated wetland with floating muskeg mats and organic substrates.

Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

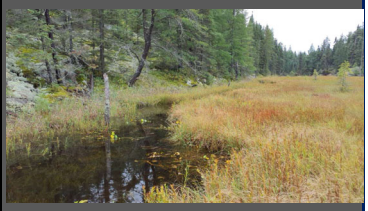
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	Low
Other	Low	Low	Low	Low

Photograph A: East at crossing

Photograph B: North at crossing

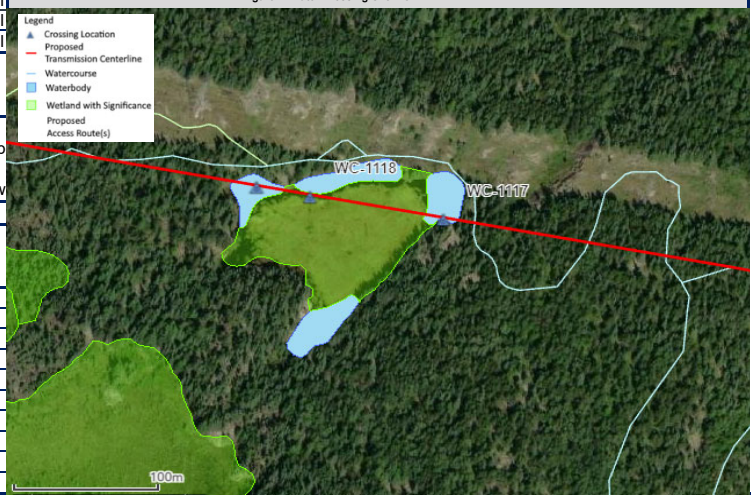
Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1118**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-17
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.71337 Long:	-91.43179
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Moderate
Stage:	High
Riparian Vegetation SD1:	Coniferous Forest
Riparian Vegetation SD2:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.5
Wetted Width (m):	89.25
Bank Height (m):	0.5
Bankfull Width (m):	98.75
Maximum Depth (m):	>0.75
Substrate at Crossing	
SD1:	Organics/Bedrock
Bed:	Organics/Cobble/Bedrock
SD2:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	13.4
Conductivity (µS/cm):	14.35
pH:	6.75
Turbidity (NTU):	4.33
DO (mg/L):	9.76
Fish Habitat Data	
In-water Cover Features:	Substrate/Depth/Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Medium-sized permanent waterbody. (i.e., with stable fully vegetated left bank and,fully vegetated right bank).

Fish Species Captured

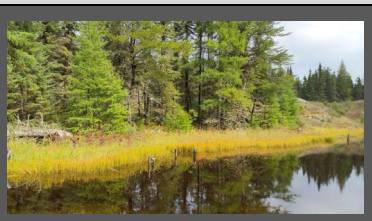
Method:	Minnow Trap
Fish Species Captured:	Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	Low
Other	Low	Low	Low	Low

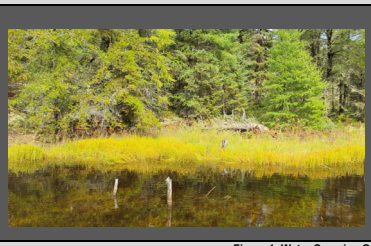
Photograph A: East at crossing

Photograph B: North at crossing



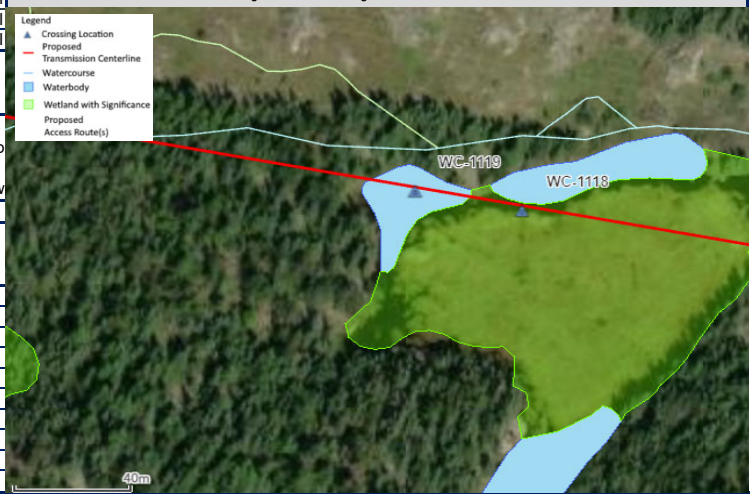
Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1119**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-09-16
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.71338	Long:	-91.43231
Weather Conditions				
Air Temp (°C):				12
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Rain
Wind Direction:				East
Wind Rate:				Low
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				200
Visual Permenancy:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Moderate
Stage:				High
Riparian Vegetation SD1:				Muskeg
Riparian Vegetation SD2:				Coniferous Forest/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.5
Wetted Width (m):				89.25
Bank Height (m):				1.2
Bankfull Width (m):				98.75
Maximum Depth (m):				>0.75
Substrate at Crossing				
SD1:				Organics/Boulder
Bed:				Organics
SD2:				Organics
Water Quality				
Water Colour:				Tea
Temperature (°C):				13.4
Conductivity (µS/cm):				14.35
pH:				6.75
Turbidity (NTU):				4.33
DO (mg/L):				9.76
Fish Habitat Data				
In-water Cover Features:	Substrate/Depth/Aquatic Vegetation/Woody Debris			
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

The waterbody is a wetland that has open water. The east bank of the waterbody is a floating muskeg, the west bank is a sloping bedrock valley.

Fish Species Captured

Method: Minnow Trap

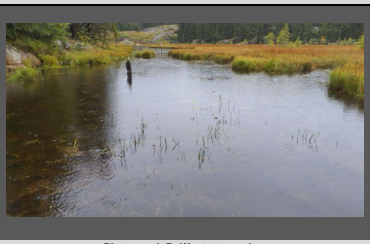
Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	Low
Other	Low	Low	Low	Low

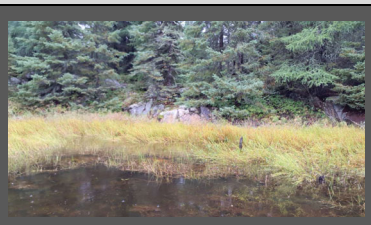
Photograph A: East at crossing

Photograph B: North at crossing



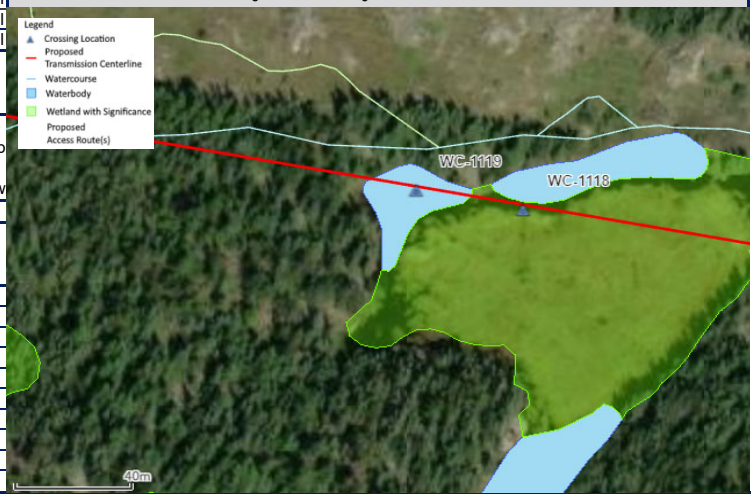
Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1119.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-16
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.71402 Long:	-91.43699
Weather Conditions	
Air Temp (°C):	11
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Rain
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel or water present. Black spruce forest with moss and leatherleaf understory.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground at crossing

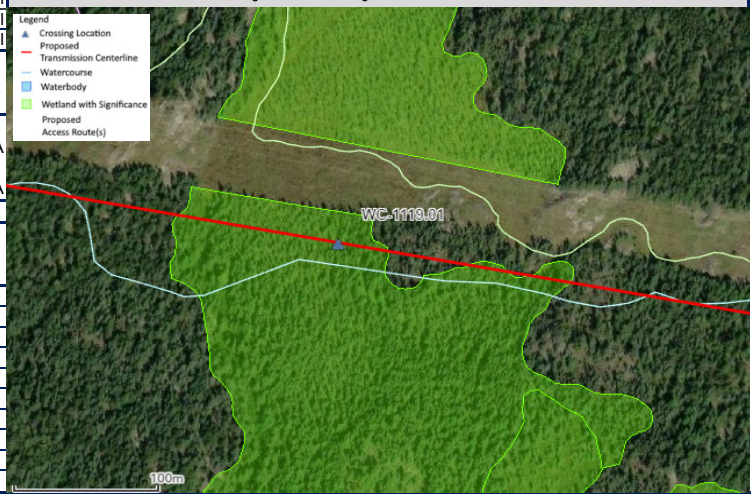
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1120.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-12
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.71876 Long:	-91.47616
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Muskeg/Shrubs
Riparian Vegetation RDB:	Shrubs/Grass/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.68
Conductivity (µS/cm):	30.18
pH:	4.61
Turbidity (NTU):	0.56
DO (mg/L):	2.46
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse/waterbody. Crossing is within a wetland with spagnum moss and reed grasses. Some water on the east side of the road.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial view of substrate

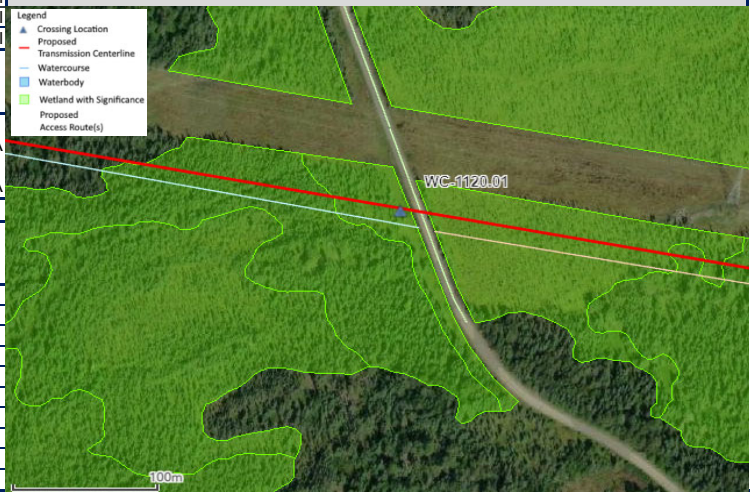
Photograph B: North side at crossing

Photograph C: South side at crossing

Photograph D: West side at crossing

Photograph E: East side at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1123.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.69356 Long:	-91.35940
Weather Conditions	
Air Temp (°C):	12
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Grass
Riparian Vegetation RDB:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	12.55
Conductivity (µS/cm):	18.49
pH:	5.85
Turbidity (NTU):	4.77
DO (mg/L):	5.57
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel. Standing water at crossing in an area of flooded shrubs. Downslope has flowing water that leads into a cattail wetland.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

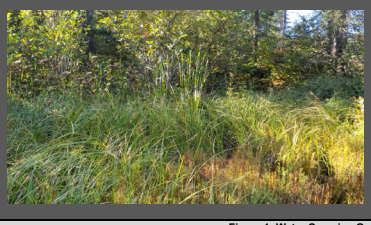
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial photo facing south towards the crossing

Photograph B: View in the vicinity of the crossing

Photograph C: View in the vicinity of the crossing

Photograph D: View in the vicinity of the crossing



Photograph E: South at View in the vicinity of the crossing

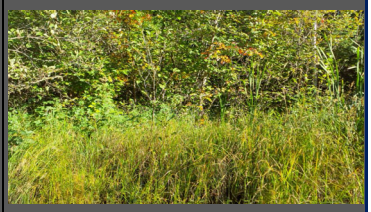
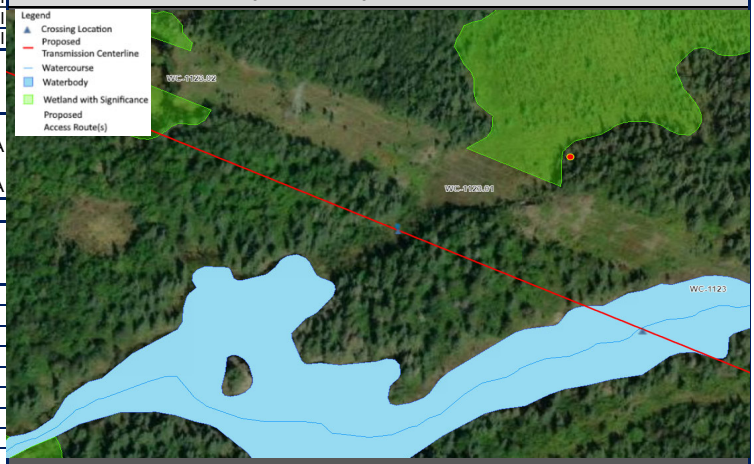


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1123.02**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.72791 Long:	-91.52945
Weather Conditions	
Air Temp (°C):	13
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Moderate
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/ Deciduous Forest
Riparian Vegetation SD2:	Deciduous Forest/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.4
Wetted Width (m):	60
Bank Height (m):	1.25
Bankfull Width (m):	72.45
Maximum Depth (m):	>0.75
Substrate at Crossing	
SD1:	Bedrock/Organics
Bed:	Bedrock/Organics
SD2:	Bedrock/Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	17.61
Conductivity (µS/cm):	16.11
pH:	5.84
Turbidity (NTU):	4.89
DO (mg/L):	8.67
Fish Habitat Data	
In-water Cover Features:	Substrate/Depth/Aquatic Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is on the east edge of a wetland. With 40% of the total area being open water and remainder is muskeg/bog.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

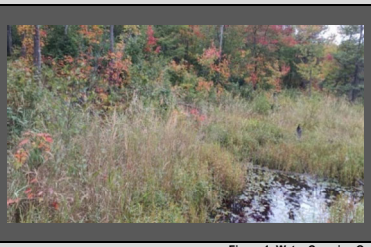
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Low	Low	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Medium
Other	Medium	Medium	Nil	Low

Photograph A: Aerial photo facing south towards the crossing

Photograph B: North at crossing

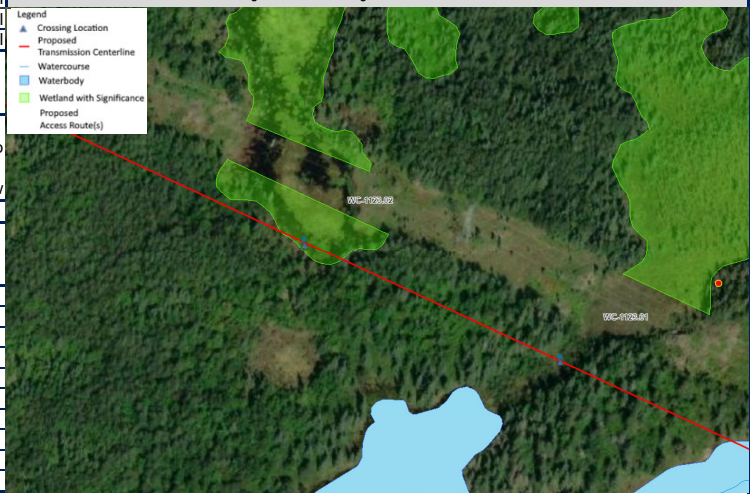
Photograph C: Northeast at crossing

Photograph D: West at crossing



Photograph E: South at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1124**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-09-17
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.73113	Long:	-91.54245
Weather Conditions				
Air Temp (°C):				19
Cloud Cover (%):				50-75
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Impoundment/Riffle (DS)/Run(DS)
Length Assessed (m):				150
Visual Permenancy:				Permanent
Pattern :				Straight
Confinement:				Frequently Confined
Form:				Irregular
Stage:				Moderate
Riparian Vegetation LDB:				Shrubs/ Deciduous Forest
Riparian Vegetation RDB:				Deciduous Forest/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.47
Wetted Width (m):				16.8
Bank Height (m):				1.5
Bankfull Width (m):				11.6
Maximum Depth (m):				>1.5
Substrate at Crossing				
LDB:				Organics/Silt/Fine Sand
Bed:				Organics/Coarse Sand
RDB:				Boulder/Organics
Water Quality				
Water Colour:				Tea
Temperature (°C):				20.41
Conductivity (µS/cm):				19.83
pH:				5.81
Turbidity (NTU):				7.13
DO (mg/L):				6.41
Fish Habitat Data				
In-water Cover Features:				Substrate/Depth/Aquatic Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:
A watercourse that consisted of a few impoundments caused by an beaver dam, a cascade, and a run that floods a grassey right-of-way.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Central Mudminnow

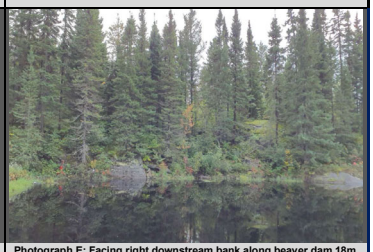
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Low
Northern Pike	Low	Low	Nil	Low
Perch	Low	Low	Nil	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Low
Walleye	Nil	Nil	Nil	Low
Forage Species	Low	Low	Nil	Medium
Other	Nil	Nil	Nil	Nil

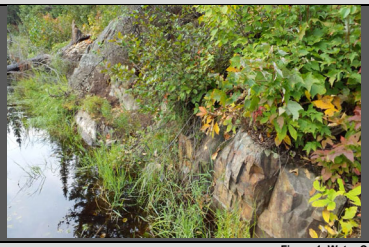
Photograph A: Upstream at crossing

Photograph B: Downstream at crossing towards beaver dam

Photograph D: Right downstream bank at crossing



Photograph D: Left downstream bank at crossing



Photograph E: Facing right downstream bank along beaver dam 18m downstream from crossing

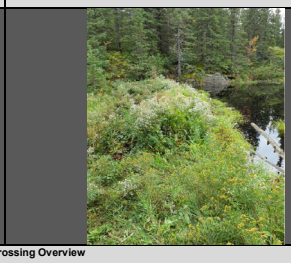
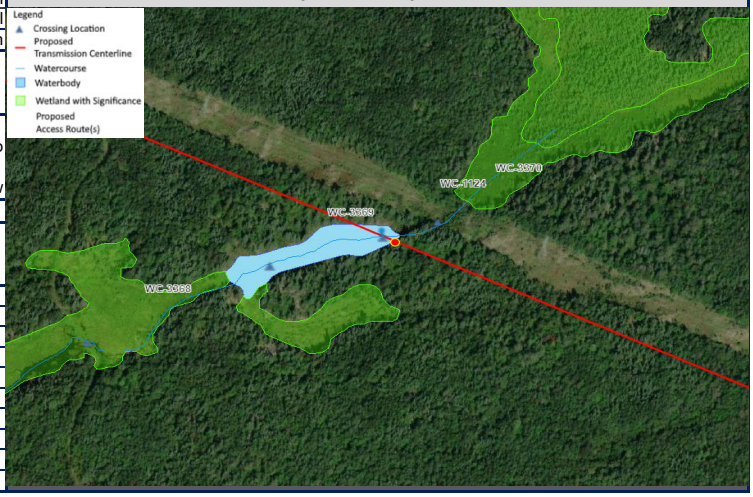


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1125**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-08-28
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.73566	Long:	-91.55588
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Moderate
Reach Data				
Habitat Type:				Lake
Length Assessed (m):				200
Visual Permenancy:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Grass/Shrubs/Coniferous Forest/Bare
Riparian Vegetation SD2:				Grass/Shrubs/Coniferous Forest/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				>0.75
Wetted Width (m):				29.15
Bank Height (m):				N/A
Bankfull Width (m):				37.25
Maximum Depth (m):				>1
Substrate at Crossing				
SD1:				Organics/Boulder
Bed:				Organics/Boulder
SD2:				Organics/Boulder
Water Quality				
Water Colour:				Clear
Temperature (°C):				20.92
Conductivity (µS/cm):				30.8
pH:				6.64
Turbidity (NTU):				2.79
DO (mg/L):				6.95
Fish Habitat Data				
In-water Cover Features:				Aquatic Vegetation/ Overhanging Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:

Beaver impoundment at crossing with a beaver dam about 15m southwest.
Large beaver impoundment/wetland complex with one inlet.

Fish Species Captured

Method: Minnow Trap

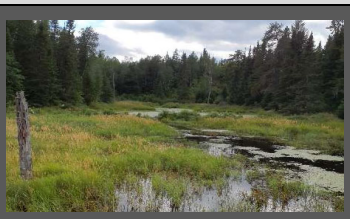
Fish Species Captured: Central Mudminnow, Finescale Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Low	Low	Low	Low
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

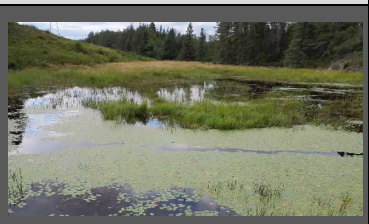
Photograph A: Looking northeast at large beaver impoundment/wetland

Photograph B: Looking southwest at beaver dam.



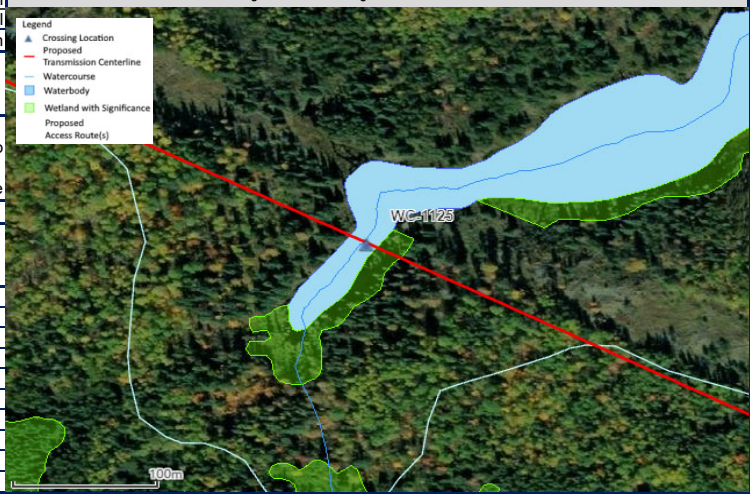
Photograph C: Near crossing location looking east

Photograph D: Looking northwest down hydro corridor



Photograph E: looking northeast at hydro corridor

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1130**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-21
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.50569	Long:	-89.09551
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				0
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Flat/Pool/Run(DS)/Subsurface Flow(DS)
Length Assessed (m):				150
Visual Permenancy:				Non-Permanent
Pattern :				Winding
Confinement:				Frequently Confined
Form:				Neutral
Stage:				Moderate
Riparian Vegetation LDB:				Mixed Forest/Shrubs/Grass
Riparian Vegetation RDB:				Mixed Forest/Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.1
Wetted Width (m):				0.8
Bank Height (m):				0
Bankfull Width (m):				N/A
Maximum Depth (m):				<0.1
Substrate at Crossing				
LDB:				Organics/Boulder/Cobble
Bed:				Organics/Boulder/Cobble
RDB:				Organics/Boulder/Cobble
Water Quality				
Water Colour:				Brown
Temperature (°C):				9.6
Conductivity (µS/cm):				67.84
pH:				6.56
Turbidity (NTU):				0.23
DO (mg/L):				7.29
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

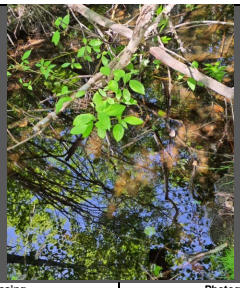
General Description:
Intermittent pooling and flats on the upstream portion and is similar downstream with some subsurface flow as well.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

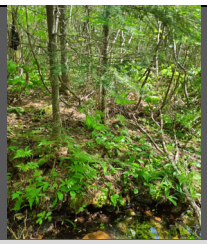
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

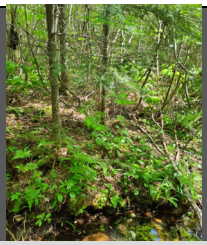
Photograph A: Substrate at crossing



Photograph B: Facing west at crossing



Photograph C: Facing east at crossing



Photograph D: 50 m upstream of crossin at origin of flow

Photograph E: Pooling in channel downstream of crossing

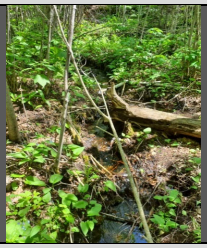
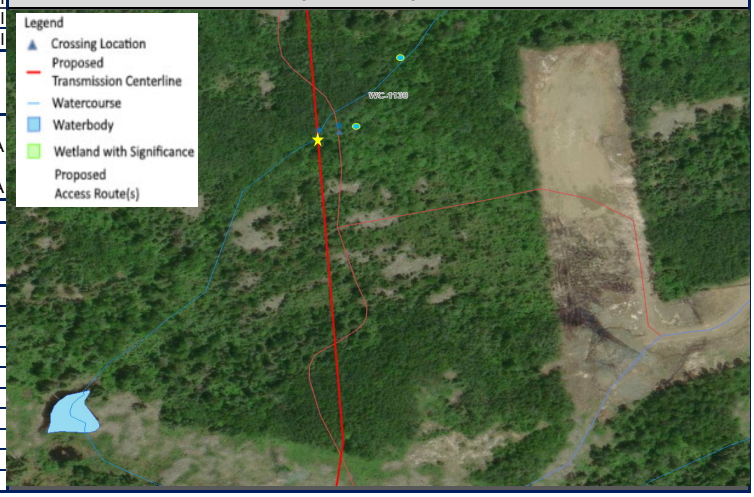


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1134**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-08-26
Alt. Route Segment:				1A
Coordinates of Crossing:	Lat:	48.54072	Long:	-89.12841
Weather Conditions				
Air Temp (°C):				25
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Flat/Pool (US)/Riffle (US)/Subsurface Flow (DS)
Length Assessed (m):				200
Visual Permenancy:				Permanent
Pattern :				Regular Meander
Confinement:				Occasionally Confined
Form:				Neutral
Stage:				Low
Riparian Vegetation LDB:				Mixed Forest/Grass/Shrubs//Bare
Riparian Vegetation RDB:				Mixed Forest/Grass/Shrubs/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.28
Wetted Width (m):				4.85
Bank Height (m):				0.6
Bankfull Width (m):				9.33
Maximum Depth (m):				0.5
Substrate at Crossing				
LDB:				Silt/Organics/Cobble/Fine Sand/Coarse Sand
Bed:				Silt/Organics
RDB:				Silt/Organics
Water Quality				
Water Colour:				Clear
Temperature (°C):				9.97
Conductivity (µS/cm):				247.16
pH:				7.86
Turbidity (NTU):				0.18
DO (mg/L):				10
Fish Habitat Data				
In-water Cover Features:				Vegetation/ Woody Debris/Substrate
Sensitive Features:				groundwater seep / spring
Existing Infrastructure:				Culvert
Fish Impediments/Barriers:				Subsurface Flow

General Description:
Mixture of flat riffle and run habitat at crossing. The ds reach is a mixture of flats, riffles and runs with areas of subsurface flow, and pond upstream.

Fish Species Captured

Method: Electrofishing, Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

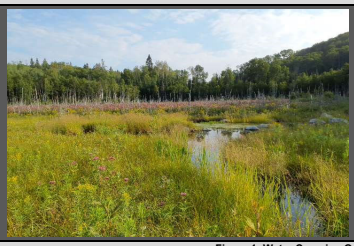
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial view near crossing location.

Photograph B: At crossing looking upstream

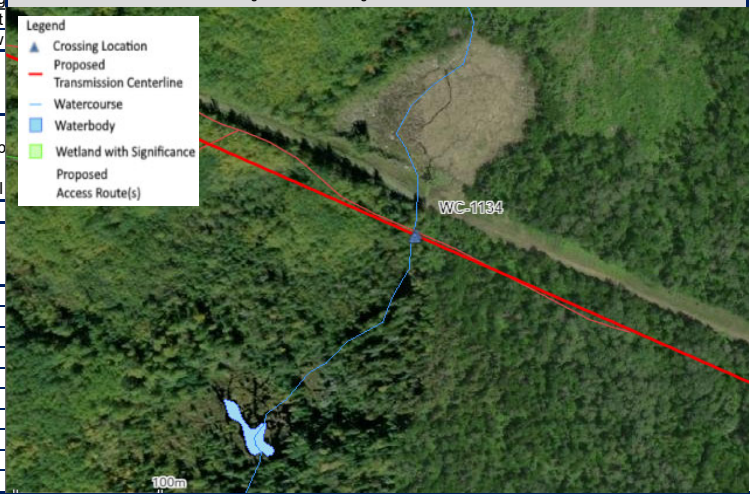
Photograph C: At crossing looking downstream

Photograph D: 25 meters upstream of crossing looking upstream towards wetland



Photograph E: Downstream culvert 25 meters upstream of crossing looking upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1135.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-20
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.54730 Long:	-89.15834
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Grass/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small amount of pooled water with no flow and no defined banks. Wetland grasses and cattails in area.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

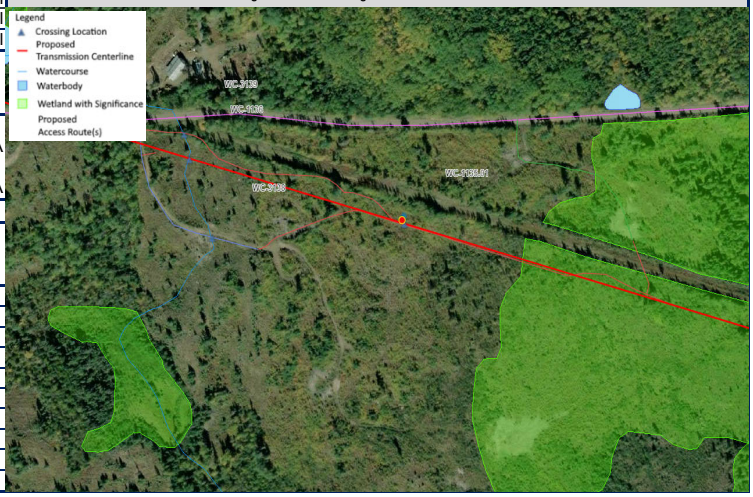
Photograph B: East at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1137.02**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-31
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.55157 Long:	-89.19517
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat/Pool/Impoundment (DS)/No Defined Channel
Length Assessed (m):	297
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Unconfined
Form:	Irregular
Stage:	Low
Riparian Vegetation LDB:	Grass/Shrubs/Muskeg
Riparian Vegetation RDB:	Grass/Shrubs/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.12
Wetted Width (m):	0.8
Bank Height (m):	0.4
Bankfull Width (m):	10
Maximum Depth (m):	0.24
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.26
Conductivity (µS/cm):	242.66
pH:	7.03
Turbidity (NTU):	0
DO (mg/L):	3.41
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
The crossing is located within a wetland in a low lying valley. The watercourse at the crossing is a low flat with high organic substrate

Fish Species Captured

Method: Minnow Trap

Fish Species Captured:

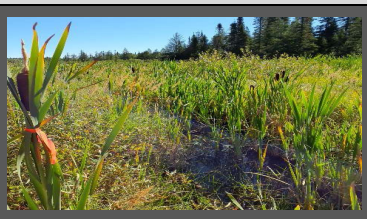
Northern Redbelly Dace, Brook Stickleback

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Medium	Medium	Medium	Medium

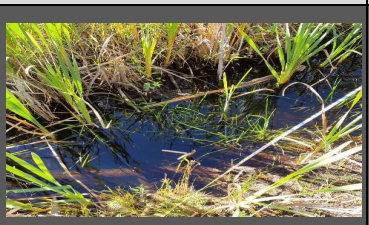
Photograph A: Channel at crossing

Photograph B: Facing downstream of crossing



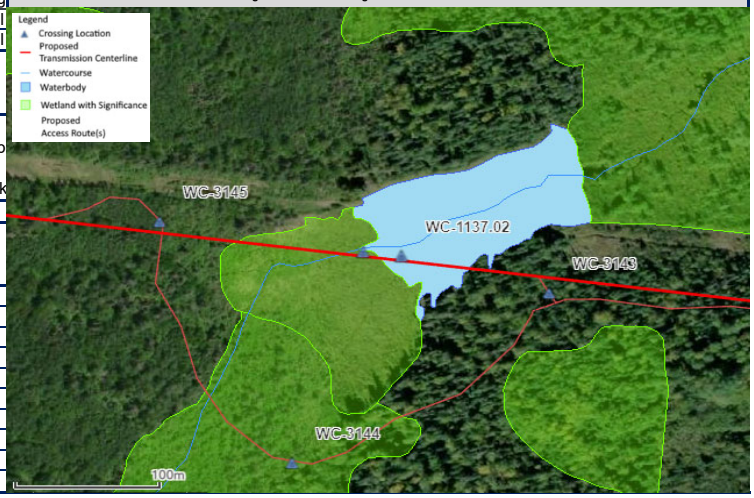
Photograph C: 50m downstream looking upstream

Photograph D: At crossing looking at left downstream bank



Photograph E: Part of old beaver dam 50m downstream of crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1138**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-31
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.55158 Long:	-89.19574
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Flat/Pool/Impoundment (DS)
Length Assessed (m):	297
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Unconfined
Form:	Irregular
Stage:	Low
Riparian Vegetation LDB:	Grass/Shrubs/Muskeg
Riparian Vegetation RDB:	Grass/Shrubs/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.33
Wetted Width (m):	5.63
Bank Height (m):	0.4
Bankfull Width (m):	21.82
Maximum Depth (m):	1.6
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	13.58
Conductivity (µS/cm):	135.94
pH:	6.87
Turbidity (NTU):	0
DO (mg/L):	1.42
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
The crossing is located within a wetland in a low lying valley. The watercourse at the crossing is a low flat with high organic substrate

Fish Species Captured
Method: Minnow Trap
Fish Species Captured:
Northern Redbelly Dace, Brook Stickleback

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Medium	Medium	Medium	Medium

Photograph A: Moderately defined channel at crossing

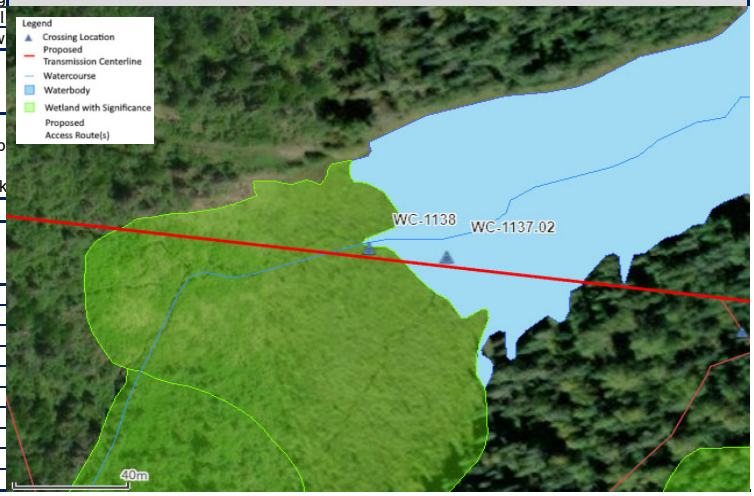
Photograph B: At crossing looking upstream

Photograph C: At crossing looking downstream

Photograph D: At crossing looking at the right downstream bank

Photograph E: At crossing looking at the left downstream bank

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1146.02**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-09-03
Alt. Route Segment:				1A
Coordinates of Crossing:	Lat:	48.56092	Long:	-89.36706
Weather Conditions				
Air Temp (°C):				12
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Northeast
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permenancy:				Nil
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Deciduous Forest/Shrubs/Grass
Riparian Vegetation RDB:				Deciduous Forest/Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				N/A
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
No watercourse and no channel. There is a small slope leading westbound but otherwise not a lowland area with any drainage potential.

Fish Species Captured

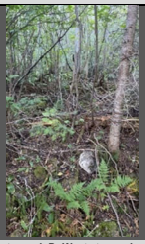
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: East at crossing

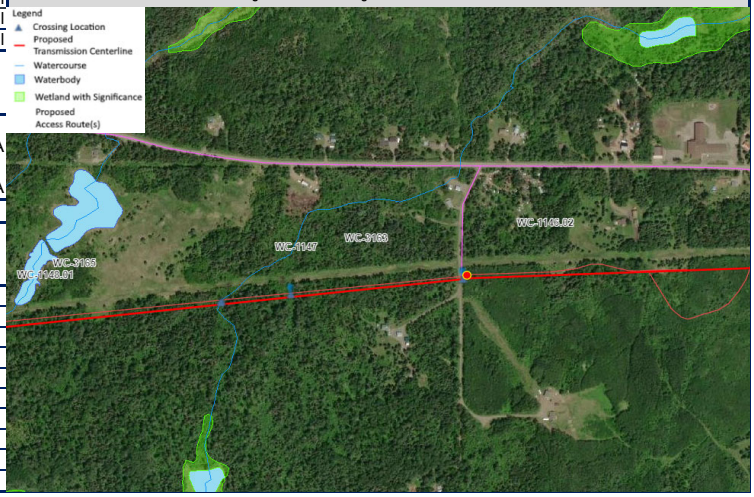


Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: Ground at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1148.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-24
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.55845 Long:	-89.40540
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover (%):	N/A
Precipitation Amount/Type:	N/A
Wind Direction:	N/A
Wind Rate:	N/A
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:
No defined channel or water present, no watercourse.

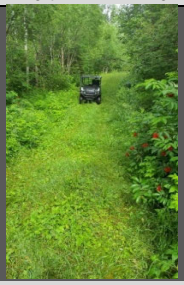
Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

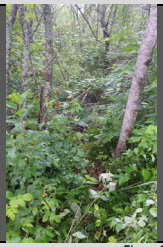
Photograph A: North at crossing



Photograph B: East at crossing

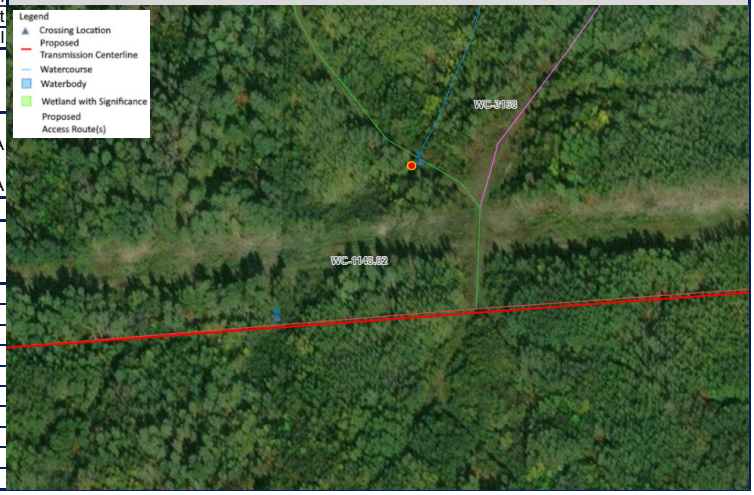
Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: Upstream of culvert at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1151**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-03
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.55553 Long:	-89.47078
Weather Conditions	
Air Temp (°C):	14
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	80
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Grass/Bare
Riparian Vegetation RDB:	Shrubs/Grass/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:
There is no water or channel at the crossing, but there is a depression which may convey flow seasonally and during rain events.

Fish Species Captured

Method: N/A

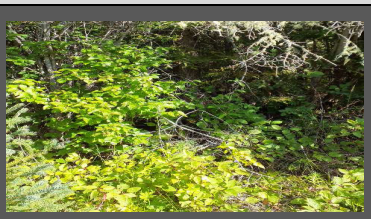
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

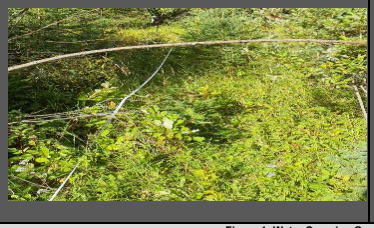
Photograph A: Aerial view near crossing location.

Photograph B: At crossing looking upslope towards forest edge. No defined watercourse through forest



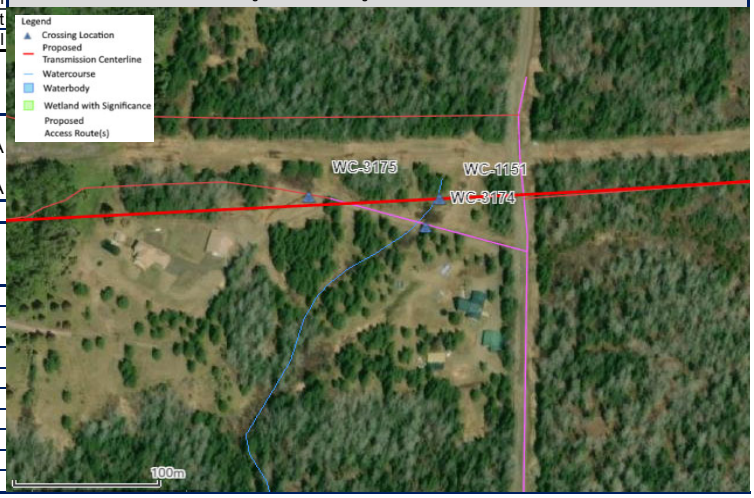
Photograph C: At crossing looking downslope towards low lying thicke

Photograph D: At crossing looking west



Photograph E: At crossing looking east

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1153**

Waterbody Name:	Strawberry Creek
Waterbody Type:	Watercourse
Date surveyed:	2022-08-27
Alt. Route Segment:	1A
Coordinates of Crossing:	Lat: 48.55432 Long: -89.48993
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Riffle/Run/Pool (DS)
Length Assessed (m):	183
Visual Permenancy:	Permanent
Pattern :	Winding
Confinement:	Frequently Confined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Grass
Riparian Vegetation RDB:	Mixed Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.2
Wetted Width (m):	3.67
Bank Height (m):	0.6
Bankfull Width (m):	8
Maximum Depth (m):	0.5
Substrate at Crossing	
LDB:	Cobble/Boulder/Coarse Gravel
Bed:	Boulder/Cobble/Silt/Organics
RDB:	Boulder/Cobble/Silt/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	18.38
Conductivity (µS/cm):	235.86
pH:	7.72
Turbidity (NTU):	1.48
DO (mg/L):	9.01
Fish Habitat Data	
In-water Cover Features:	Substrate/Depth/Overhanging Vegetation
Sensitive Features:	Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

The crossing is located at a riffle and drop with a small refuge pool. The reach was riffle/run/pool habitat with uniform substrate.

Fish Species Captured

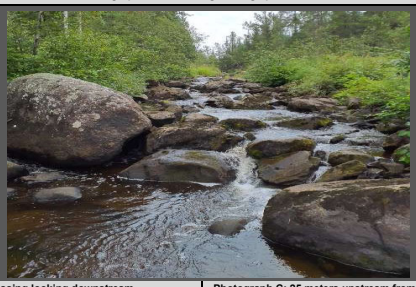
Method: Electrofishing

Fish Species Captured: Brook Trout, Bluntnose Minnow, Longnose Dace, Blacknose Dace, Pearl Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Medium
Trout/Whitefish	High	High	High	High
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Medium	Medium	Medium	Medium

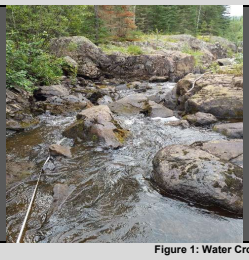
Photograph A: At crossing looking upstream.



Photograph B: At crossing looking downstream

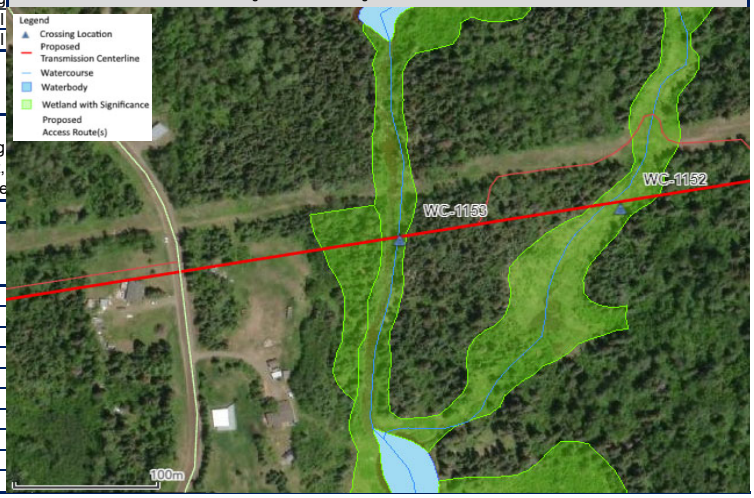
Photograph C: 25 meters upstream from crossing, looking upstream

Photograph D: 25 meters downstream from crossing, looking downstream



Photograph E: 50m downstream from crossing, looking upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1153.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-22
Alt. Route Segment:	1 / 1A
Coordinates of Crossing: Lat: 48.55325 Long:	-89.49740
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	Pooled
Riparian Vegetation LDB:	Deciduous Forest
Riparian Vegetation RDB:	Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.05
Wetted Width (m):	0.45
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	14.81
Conductivity (µS/cm):	101.07
pH:	6.43
Turbidity (NTU):	77.76
DO (mg/L):	1.52
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel or flow was observed. Pooled areas appear to be made by forestry equipment during historic logging activities.

Fish Species Captured

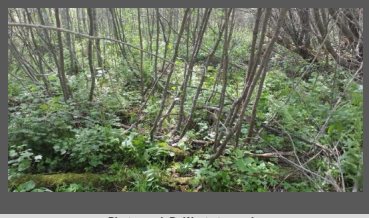
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

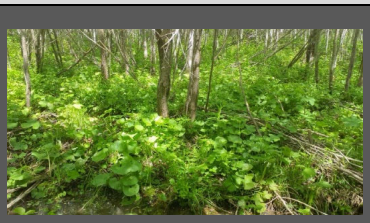
Photograph A: North at crossing

Photograph B: East at crossing



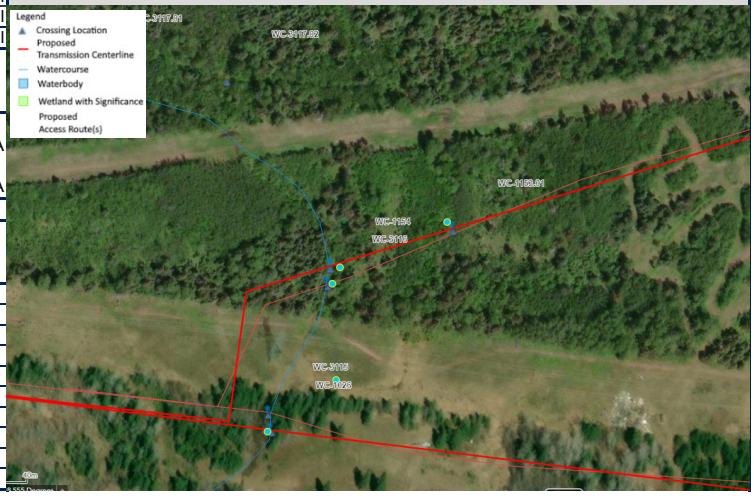
Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: Pooled water at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1154**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-22
Alt. Route Segment:	1 / 1A
Coordinates of Crossing: Lat: 48.55299 Long:	-89.49831
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	150
Visual Permenancy:	Permanent
Pattern :	Irregular Meander
Confinement:	Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Deciduous Forest
Riparian Vegetation RDB:	Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.03
Wetted Width (m):	0.25
Bank Height (m):	0.1
Bankfull Width (m):	0.65
Maximum Depth (m):	0.15
Substrate at Crossing	
LDB:	Fines
Bed:	Organics
RDB:	Fines
Water Quality	
Water Colour:	Clear
Temperature (°C):	16.16
Conductivity (µS/cm):	84.71
pH:	6.8
Turbidity (NTU):	76.23
DO (mg/L):	3.8
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Watercourse with poorly defined channel with sections being undefined, little flow upstream and downstream. Flow dispurses into grassy area.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

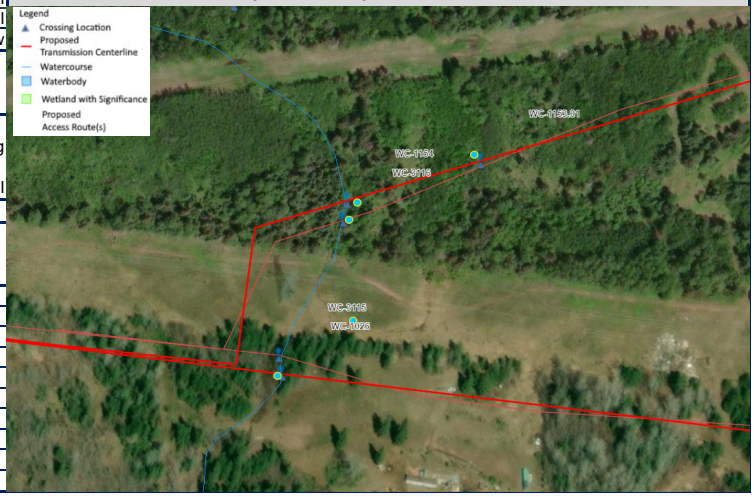
Photograph B: Downstream at crossing

Photograph C: Left downstream bank at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Upstream at crossing at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1162**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-17
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.48226 Long:	-89.22753
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Impoundment
Length Assessed (m):	150
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Open
Stage:	High
Riparian Vegetation LDB:	Grass/Shrubs/Coniferous Forest
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	1
Wetted Width (m):	5
Bank Height (m):	0.13
Bankfull Width (m):	7
Maximum Depth (m):	1
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	21.64
Conductivity (µS/cm):	403.01
pH:	7.34
Turbidity (NTU):	7.92
DO (mg/L):	6.99
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Narrow channel upstream of crossing flows through a beaver dam and becomes a undefined channel downstream and flows into a wetland.

Fish Species Captured

Method: N/A

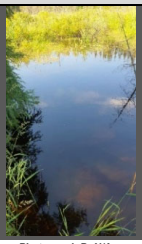
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Moderate	Moderate	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Moderate	Moderate	Moderate	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in vicinity of the crossing

Photograph B: View in vicinity of the crossing



Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1164.01**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-21
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.48670 Long:	-89.27835
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Riffle
Length Assessed (m):	185
Visual Permenancy:	Permanent
Pattern :	Winding
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Deciduous Forest/Shrubs
Riparian Vegetation RDB:	Grass/Deciduous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.1
Wetted Width (m):	0.6
Bank Height (m):	0.4
Bankfull Width (m):	1
Maximum Depth (m):	0.26
Substrate at Crossing	
LDB:	Fines
Bed:	Sand/Silt/Boulder/Gravel/Organics
RDB:	Fines
Water Quality	
Water Colour:	Clear
Temperature (°C):	12.29
Conductivity (µS/cm):	275.2
pH:	7.91
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Drop, Subsurface Flow

General Description:
Narrow, meandering channel through deciduous forest. Transitioning to subsurface flow 60 m downstream of crossing.

Fish Species Captured

Method: N/A

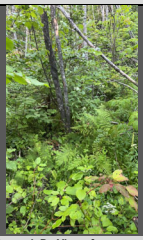
Fish Species Captured: N/A

Fish Habitat Potential Summary

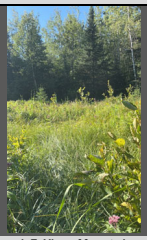
Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial photo of substrate

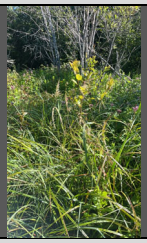
Photograph B: Watercourse disperses underground



Photograph C: View of meadow



Photograph D: View of grassy area



Photograph E: View of forested grassy area

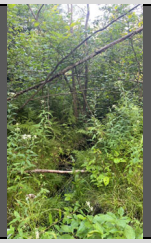
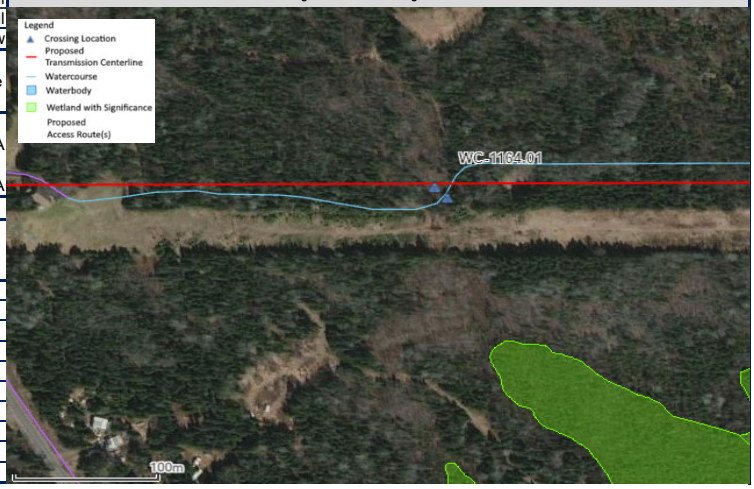


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-1168.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-20
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.49085 Long:	-89.35644
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Deciduous Forest/Shrubs
Riparian Vegetation RDB:	Grass/Deciduous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Low lying deciduous swamp, no watercourse or waterbody present.

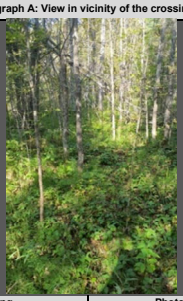
Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

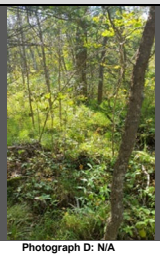
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

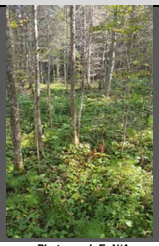
Photograph A: View in vicinity of the crossing



Photograph B: View in vicinity of the crossing



Photograph C: View in vicinity of the crossing



Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1169.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-19
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.49240 Long:	-89.37072
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is within coniferous forest next to bedrock outcrop. No defined channel or water present.

Fish Species Captured

Method: N/A

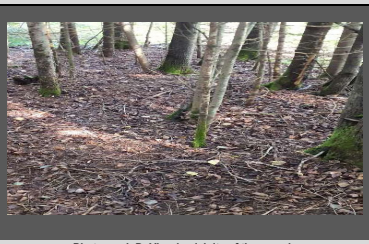
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in vicinity of the crossing

Photograph B: View in vicinity of the crossing



Photograph C: View in vicinity of the crossing

Photograph D: View in vicinity of the crossing

Photograph E: View in vicinity of the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1173.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-19
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.50725 Long:	-89.45030
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Mixed forest adjacent to hydro corridor, no watercourse or waterbody present.

Fish Species Captured

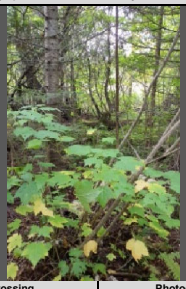
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwinterng
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in the vicinity of the crossing



Photograph B: View in the vicinity of the crossing

Photograph C: View in the vicinity of the crossing

Photograph D: View in the vicinity of the crossing

Photograph E: View in the vicinity of the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1174**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-27
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.50791 Long:	-89.45469
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Low
Reach Data	
Habitat Type:	Subsurface Flow/Flat(DS)/Riffle(DS)/Pool(US)
Length Assessed (m):	160
Visual Permenancy:	Non-Permanent
Pattern :	Irregular Meander
Confinement:	Frequently Confined
Form:	Incised
Stage:	Low
Riparian Vegetation LDB:	Coniferous Forest/Grass
Riparian Vegetation RDB:	Coniferous Forest/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.14
Wetted Width (m):	0.93
Bank Height (m):	0.55
Bankfull Width (m):	1.25
Maximum Depth (m):	0.35
Substrate at Crossing	
LDB:	Organics/Boulder
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	13.7
Conductivity (µS/cm):	202.02
pH:	7.62
Turbidity (NTU):	4.15
DO (mg/L):	10.01
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Dry channel at crossing with portions of the upstream reach existing as subsurface flow. System supports runoff, channel is well-developed/scoured.

Fish Species Captured

Method: Minnow Trap

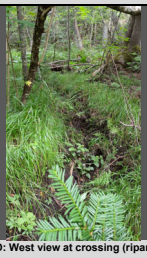
Fish Species Captured: Brook Sickleback

Fish Habitat Potential Summary

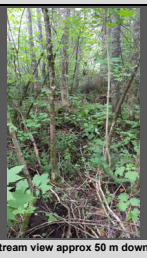
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in the vicinity of the crossing

Photograph B: North view at crossing (water flowing sub surface)



Photograph C: South view at crossing (water flowing sub surface)



Photograph D: West view at crossing (riparian habitat).

Photograph E: Upstream view approx 50 m downstream, in hydro ROW.

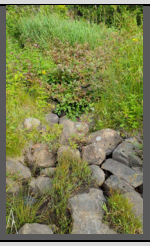


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1174.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-23
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.51301 Long:	-89.47599
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water and no defined channel present.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

Photograph B: N/A[a]

Photograph C: N/A[a]

Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1176**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-28
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52091 Long:	-89.51324
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pond/Lake(US)
Length Assessed (m):	110
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Unconfined
Form:	Irregular
Stage:	High
Riparian Vegetation LDB:	Grass/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	4
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Fines
Bed:	Fines
RDB:	Fines
Water Quality	
Water Colour:	Brown
Temperature (°C):	14.51
Conductivity (µS/cm):	187.32
pH:	7.46
Turbidity (NTU):	17.41
DO (mg/L):	5.81
Fish Habitat Data	
In-water Cover Features:	Vegetation, woody debris
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Beaver Dam

General Description:
Braided wetland flowing from a beaver dam in a wetland. Runs parallel with the highway. Downstream the highway intersects a wetland with a culvert.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

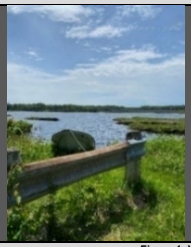
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	Nil	High
Perch	High	High	Low	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

Photograph A: Minnow trap set #3

Photograph B: Minnow trap set # 1

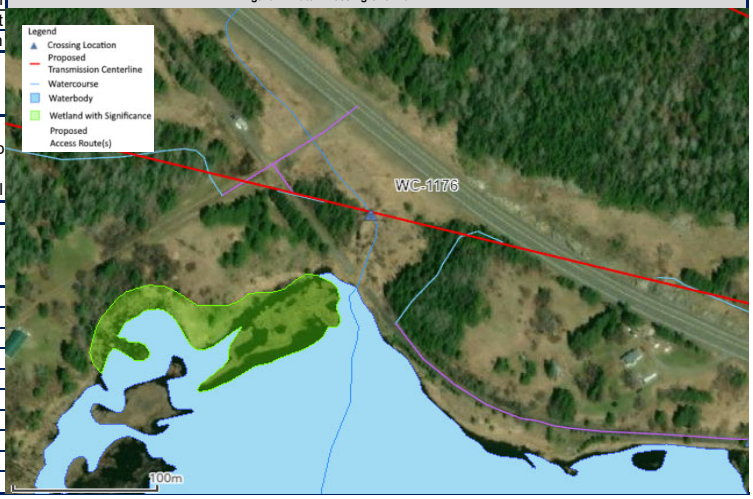
Photograph C: Minnow trap set #2

Photograph D: Mud Lake (US)



Photograph E: Wetland area

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1176.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-21
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52306 Long:	-89.52494
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	N/A
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Deciduous Forest
Riparian Vegetation RDB:	Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water and no channel present.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in the vicinity of the crossing

Photograph B: View in the vicinity of the crossing

Photograph C: View in the vicinity of the crossing

Photograph D: View in the vicinity of the crossing

Photograph E: View in the vicinity of the crossing

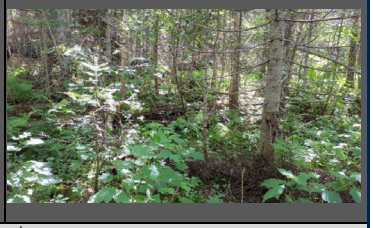
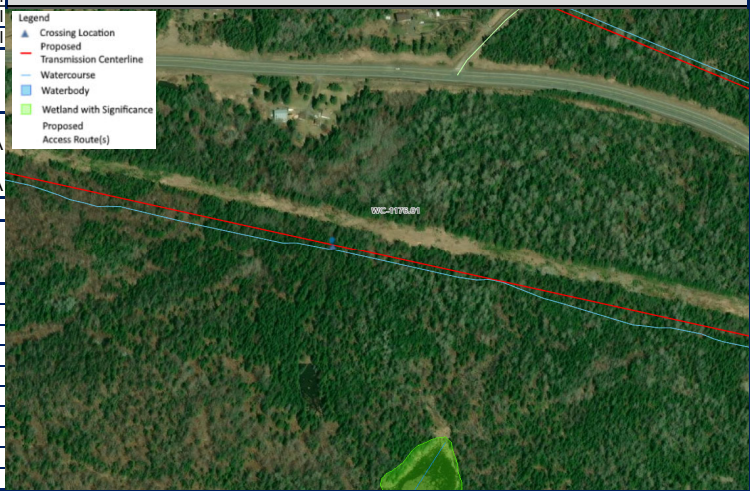


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1176.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-21
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52482 Long:	-89.53334
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	150
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Mixed Forest
Riparian Vegetation RDB:	Grass/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	10
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Organics/Silt/Boulder
Bed:	Organics/Silt/Boulder
RDB:	Organics/Silt/Boulder
Water Quality	
Water Colour:	N/A
Temperature (°C):	19.05
Conductivity (µS/cm):	477.45
pH:	6.94
Turbidity (NTU):	2.16
DO (mg/L):	5.93
Fish Habitat Data	
In-water Cover Features:	Vegeatation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Reach is shallow wetland with no defined channel, few pooled areas.
Wetland complex turns into a narrow channel 75m downstream from reach.

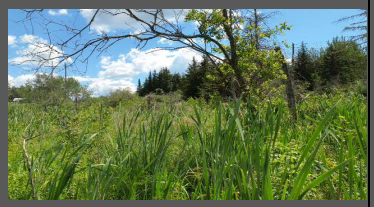
Fish Species Captured
Method: Minnow Trap
Fish Species Captured:
Pearl Dace, Northern Redbelly Dace, Brook Stickleback

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Medium	Nil
Other	Nil	Nil	Nil	Nil

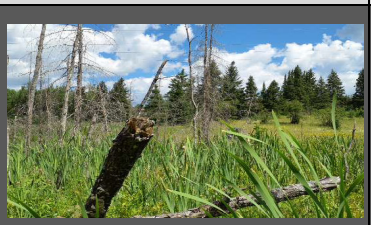
Photograph A: Substrate and vegetation at crossing

Photograph B: At crossing looking upstream (east) in wetland



Photograph C: At crossing looking downstream (west)

Photograph D: At crossing in wetland looking north to hydro corridor



Photograph E: south at crossing in wetland

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1177**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-28
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52523 Long:	-89.53628
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Run(DS)
Length Assessed (m):	150
Visual Permenancy:	Permanent
Pattern :	Braided
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.25
Wetted Width (m):	0.25
Bank Height (m):	0.5
Bankfull Width (m):	0.25
Maximum Depth (m):	0.75
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	15.79
Conductivity (µS/cm):	410.86
pH:	6.8
Turbidity (NTU):	4.51
DO (mg/L):	4.82
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Located on a wetland complex with centralized channel and braided channels throughout. Water flows under vegetation mats and under dense

Fish Species Captured

Method: Minnow Trap

Fish Species Captured:

Brook Stickleback, Finescale Dace, Fathead Minnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

Photograph A: Crossing substrate and vegetation

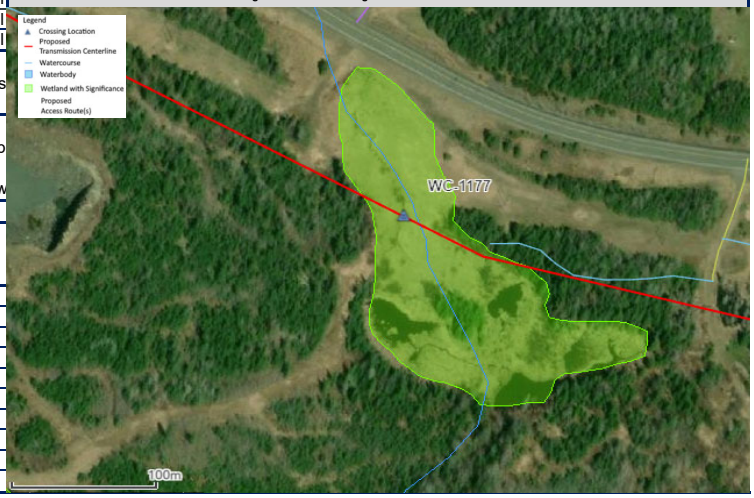
Photograph B: At crossing looking upstream

Photograph C: At crossing looking downstream

Photograph D: 25 m upstream of crossing looking downstream

Photograph E: 25 m downstream of crossing looking downstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1179**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-09
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.53528 Long:	-89.55987
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope	Steep
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	110
Bank Height (m):	1.4
Bankfull Width (m):	112
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Gravel/Silt/Cobble
Bed:	Clay/Silt
RDB:	Gravel/Silt/Cobble
Water Quality	
Water Colour:	Brown
Temperature (°C):	28.55
Conductivity (µS/cm):	169.35
pH:	5.44
Turbidity (NTU):	11
DO (mg/L):	7.78
Fish Habitat Data	
In-water Cover Features:	Depth/Woody Debris
Sensitive Features:	Headwater feature/ephemeral/non-permanent in-flow
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Quarry pond with silt/clay substrate. Max depth unknown, greater than 2m. Inlets and outlet are ephemeral.

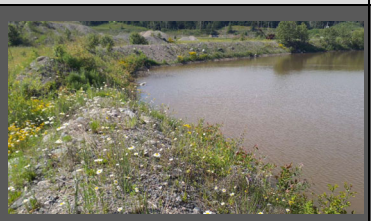
Fish Species Captured
Method: Electrofishing, Angling, Minnow Trap
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Low	Low	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Low
Northern Pike	Nil	Low	Nil	Low
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Low	Nil	Low
Walleye	Nil	Low	Nil	Low
Forage Species	Low	Low	Low	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Over looking quarry pond.

Photograph B: Facing north at crossing



Photograph C: Facing northeast at crossing

Photograph D: Facing south from north shoreline

Photograph E: Facing southeast from north shoreline

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1181.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-19
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.51545 Long:	-89.48564
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Brown
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Mixed forest swamp.

Fish Species Captured

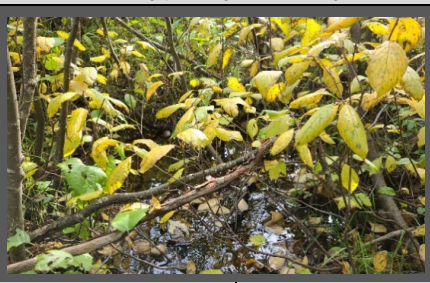
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Facing south at the crossing



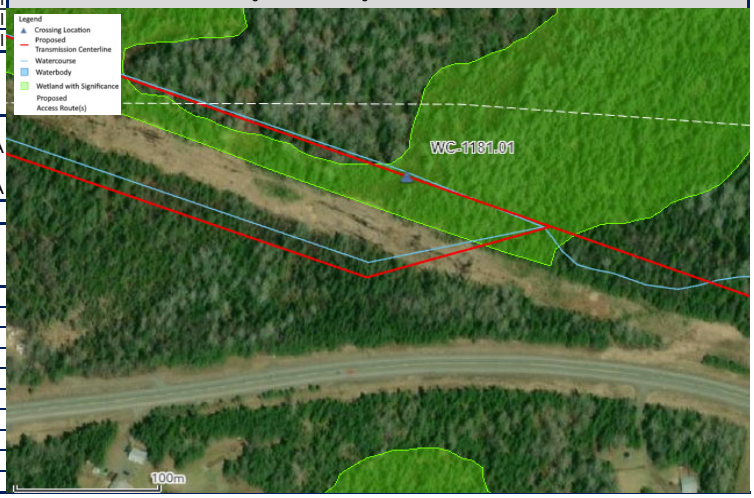
Photograph B: Facing east at the crossing

Photograph C: Facing north at the crossing

Photograph D: Facing west at the crossing

Photograph E: View in the vicinity of the crossing

Figure 1: Water Crossing Overview



Waasigan Transmission | **Watercrossing:** | **WC-1182.01**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-29
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing:	Lat: 48.52213 Long: -89.50524
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Run/Flat/Riffle/Pool(US)/Impoundment(DS)
Length Assessed (m):	248
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Grass/Mixed Forest/Shrubs
Riparian Vegetation RDB:	Grass/Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.29
Wetted Width (m):	6.01
Bank Height (m):	0.425
Bankfull Width (m):	12.17
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Silt/Organics/Cobble
Bed:	Silt/Organics/Cobble
RDB:	Silt/Organics/Cobble
Water Quality	
Water Colour:	Clear
Temperature (°C):	17.12
Conductivity (µS/cm):	69.85
pH:	7.65
Turbidity (NTU):	5.56
DO (mg/L):	8.51
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris/Depth
Sensitive Features:	Islands/Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Drop, Beaver Dam

General Description:
The crossing is on a run with moderately defined banks. Downstream of the crossing is riffle/run habitat before entering two beaver impoundments.

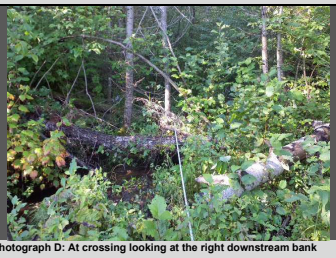
Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Finescale Dace, Northern Redbelly Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Medium	High
Other	Nil	Nil	Nil	Low

Photograph A: Substrate at crossing

Photograph B: At crossing looking upstream



Photograph C: At crossing looking downstream

Photograph D: At crossing looking at the right downstream bank

Photograph E: At crossing looking at the left downstream bank.

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1183**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-02
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing:	Lat: 48.52149 Long: -89.51409
Weather Conditions	
Air Temp (°C):	29
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat/Riffle(DS)/Run(DS)
Length Assessed (m):	210
Visual Permenancy:	Permanent
Pattern :	Truncated
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Grass
Riparian Vegetation RDB:	Mixed Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.14
Wetted Width (m):	1.52
Bank Height (m):	1.25
Bankfull Width (m):	7.3
Maximum Depth (m):	0.4
Substrate at Crossing	
LDB:	N/A
Bed:	Cobble/Gravel/Sand/Silt/Boulder
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.72
Conductivity (µS/cm):	1192
pH:	7.62
Turbidity (NTU):	19.4
DO (mg/L):	7.95
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Iron Staining/Gravel Bar
Existing Infrastructure:	Bridge
Fish Impediments/Barriers:	Debris Pile/Subsurface Flow/Drop/Vegetation

General Description:
Watercourse that consists of runs, flats, riffles. The crossing is a flat within a ditch feature with dense vegetation.

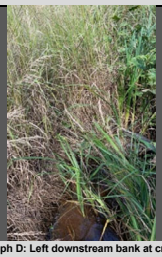
Fish Species Captured
Method: Electrofishing
Fish Species Captured:
Pearl Dace, Northern Redbelly Dace, Fathead Minnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	Low
Other	Medium	Medium	Medium	Nil

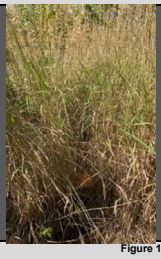
Photograph A: Upstream at the crossing

Photograph B: Downstream at crossing



Photograph C: Substrate at the crossing

Photograph D: Left downstream bank at crossing



Photograph E: Right downstream bank at crossing

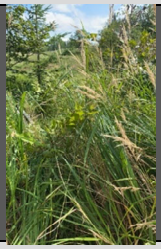


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1184**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-08
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52861 Long:	-89.53730
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Regular Meander
Confinement:	Confined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.4
Wetted Width (m):	1.25
Bank Height (m):	1
Bankfull Width (m):	20.3
Maximum Depth (m):	0.87
Substrate at Crossing	
LDB:	Clay/Boulder/Silt/Organics
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	14.86
Conductivity (µS/cm):	487
pH:	7.55
Turbidity (NTU):	0.05
DO (mg/L):	10.43
Fish Habitat Data	
In-water Cover Features:	Vegetation/Undercut Banks/Substrate
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located at a meander curve of a shallow flat. Uspstream is flat with coarser substrates. Downstream the flat becomes deeper and wider.

Fish Species Captured

Method: Electrofishing

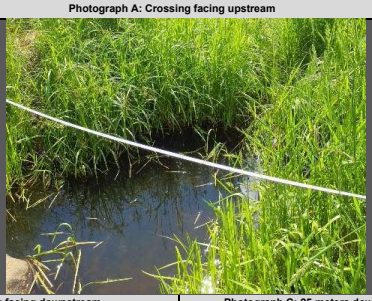
Fish Species Captured:

Brook Stickleback, Finescale Dace, Pearl Dace, Northern Redbelly Dace

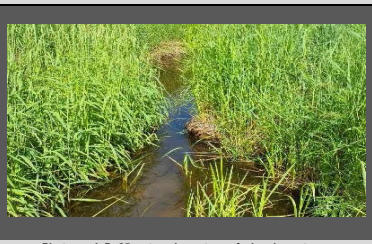
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

Photograph A: Crossing facing upstream

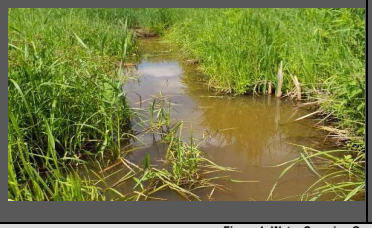


Photograph B: Crossing facing downstream



Photograph C: 25 meters downstream facing upstream

Photograph D: 25 meters downstream facing downstream



Photograph E: 50 meters downstream facing downstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1187**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-09
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.53744 Long:	-89.55909
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	175
Visual Permenancy:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Deciduous Forest
Riparian Vegetation SD2:	Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	50
Bank Height (m):	1.15
Bankfull Width (m):	52.5
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Clay/Organics
Bed:	Clay/Organics
SD2:	Clay/Organics
Water Quality	
Water Colour:	Green
Temperature (°C):	26.52
Conductivity (µS/cm):	258.94
pH:	6.27
Turbidity (NTU):	7.94
DO (mg/L):	9.39
Fish Habitat Data	
In-water Cover Features:	Depth/Aquatic & Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Isolated pond, appears to be anthropogenic. Clay substrate, algae cover on bed in nearshore area. Max depth >2m.

Fish Species Captured

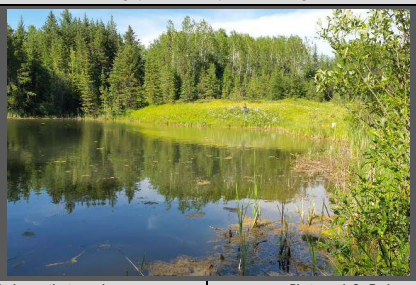
Method: Electrofishing, Angling, Minnow Trap

Fish Species Captured: Brook Stickleback

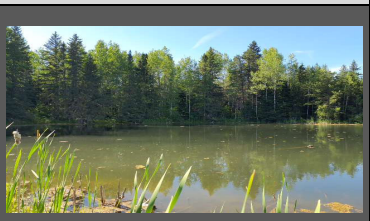
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Low
Eel/Lamprey	Nil	Low	Nil	Nil
Northern Pike	Nil	Low	Nil	Low
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Nil
Trout/Whitefish	Nil	Low	Nil	Nil
Walleye	Nil	Low	Nil	Low
Forage Species	Low	Low	Nil	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Overview photo of crossing

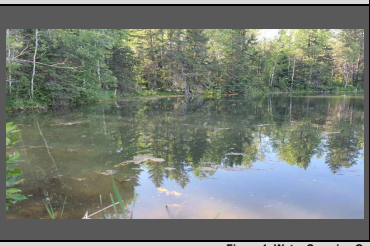


Photograph B: Facing north at crossing



Photograph C: Facing west at crossing

Photograph D: Facing northwest at crossing



Photograph C: Facing west at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1192.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-07-11
Alt. Route Segment:				1C
Coordinates of Crossing:	Lat:	48.71589	Long:	-91.24191
Weather Conditions				
Air Temp (°C):				18
Cloud Cover (%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permenancy:				Nil
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				N/A
Riparian Vegetation RDB:				N/A
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				N/A
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

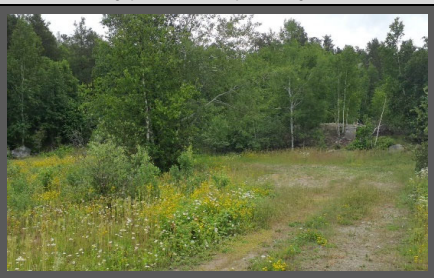
General Description:
Crossing site has no watercourse or waterbody, totally dry. Meadow adjacent to existing hydro right-of-way with an ATV trail running through it.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

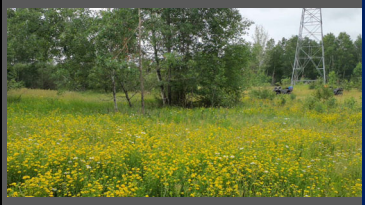
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Overall site depiction facing south

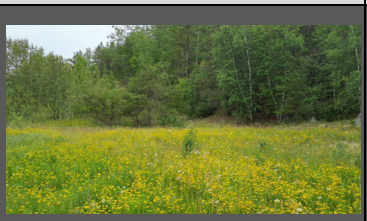


Photograph B: Northern view of crossing site

Photograph C: Southern view of crossing



Photograph D: Western view of crossing



Photograph E: Eastern view of crossing

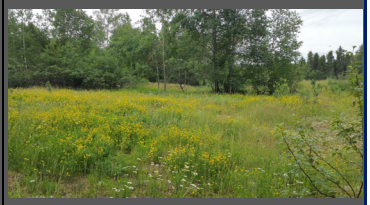
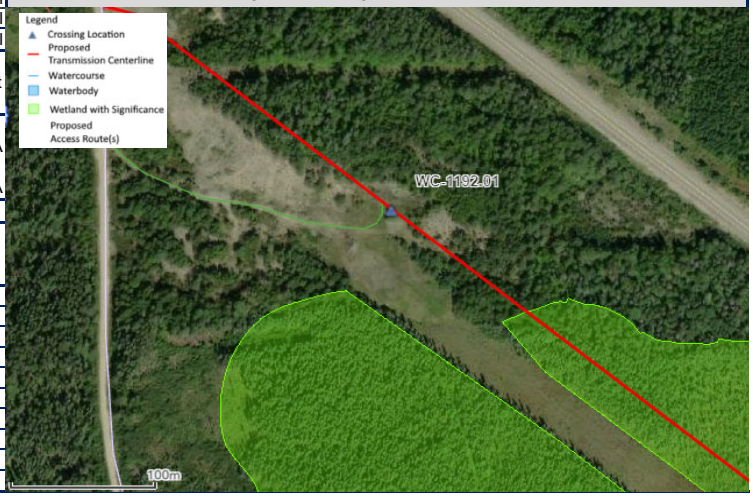


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1192.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-22
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.72314 Long:	-91.29562
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Thick Aquatic Vegetation

General Description:
Crossing is on a wetland area with no defined bed or banks, sphagnum substrate and emergent macrophytes. Area has very small pools of stagnant

Fish Species Captured

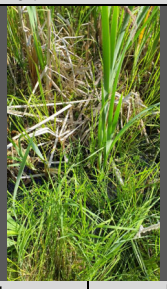
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

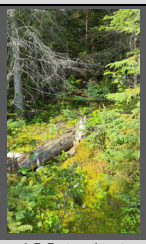
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

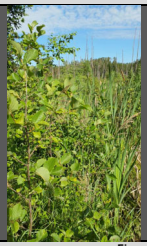


Photograph B: Northern view at crossing

Photograph C: Southern view at crossing

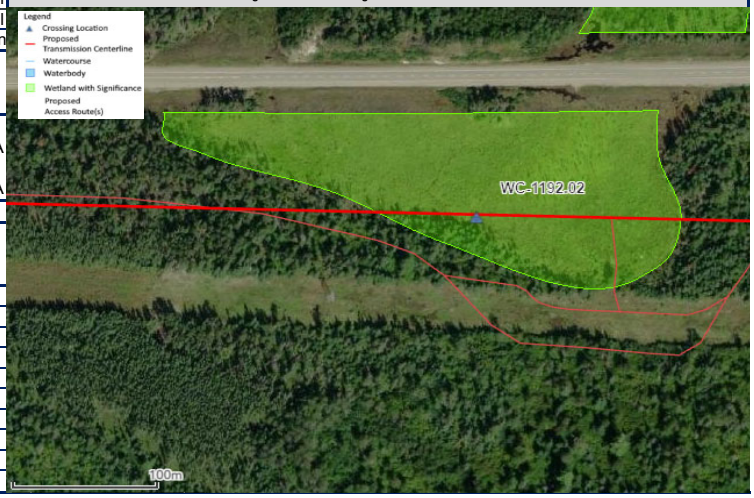


Photograph D: Western view at crossing



Photograph E: Eastern view at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1192.03**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-10
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.72391 Long:	-91.30234
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing appears to be a spruce bog. No watercourse or waterbody present.

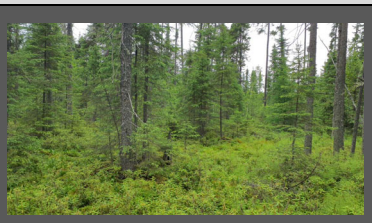
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

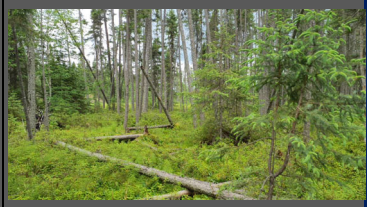
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical ground cover ar crossing

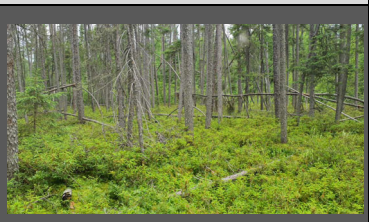
Photograph B: North view of crossing



Photograph C: South view of crossing



Photograph D: West view of crossing



Photograph E: East view of crossing

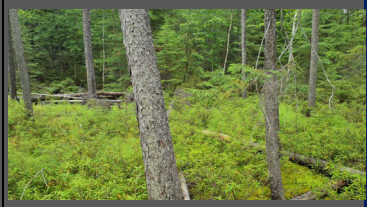


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1200.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-14
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.75452 Long:	-91.46308
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permenancy:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Bare/Shubs/Mixed Forest/Grasses
Riparian Vegetation RDB:	Bare/Shubs/Mixed Forest/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	N/A
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Along existing roadway leading to lake. Crossing location was dry with no evidence of channel or drainage within 50m.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

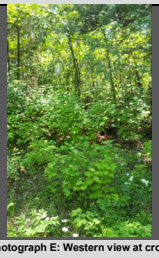
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

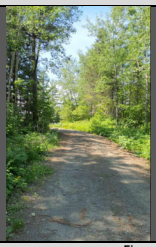
Photograph A: Ground at crossing along existing trail

Photograph B: Northern view at crossing

Photograph C: Eastern view at crossing



Photograph D: Southern view at crossing



Photograph E: Western view at crossing

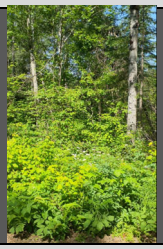


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-1202.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-09-21
Alt. Route Segment:				1C
Coordinates of Crossing:	Lat:	48.76038	Long:	-91.49366
Weather Conditions				
Air Temp (°C):				10
Cloud Cover (%):				50-75
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Moderate
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permenancy:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation SD1:				Shrubs/Muskeg/Coniferous Forest
Riparian Vegetation SD2:				Muskeg/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
SD1:				N/A
Bed:				N/A
SD2:				N/A
Water Quality				
Water Colour:				Clear
Temperature (°C):				13.36
Conductivity (µS/cm):				87.84
pH:				6.75
Turbidity (NTU):				4.44
DO (mg/L):				2.13
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Muskeg/bog wetland with shallow water pockets. No defined channel or observed flow. Width of bog is approximately 55 meters at crossing.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Standing water at crossing

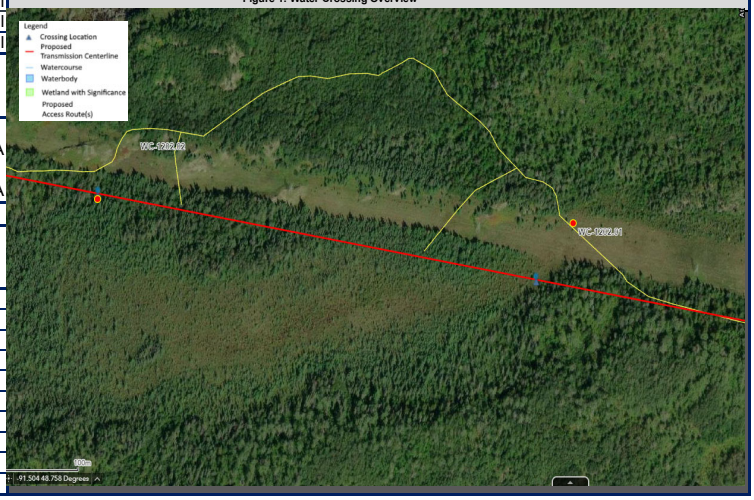
Photograph B: Northern view at crossing (upslope)

Photograph C: Eastern view at crossing

Photograph D: Southern view at crossing (downslope)

Photograph E: Western view at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-1202.02**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-09-21
Alt. Route Segment:				1C
Coordinates of Crossing:	Lat:	48.76064	Long:	-91.50224
Weather Conditions				
Air Temp (°C):				11
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Moderate
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permenancy:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation SD1:				Shrubs
Riparian Vegetation SD2:				Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
SD1:				N/A
Bed:				N/A
SD2:				N/A
Water Quality				
Water Colour:				Clear
Temperature (°C):				13.06
Conductivity (µS/cm):				126.48
pH:				6.67
Turbidity (NTU):				1.52
DO (mg/L):				2.25
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
No defined channel. Pockets of water with observable, mostly subsurface flow, within a coniferous forest with alder understory and groundwater.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

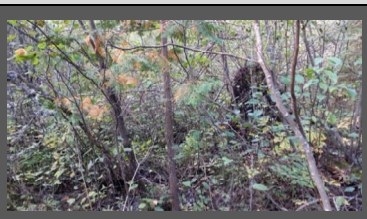
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Standing water at crossing

Photograph B: North at crossing

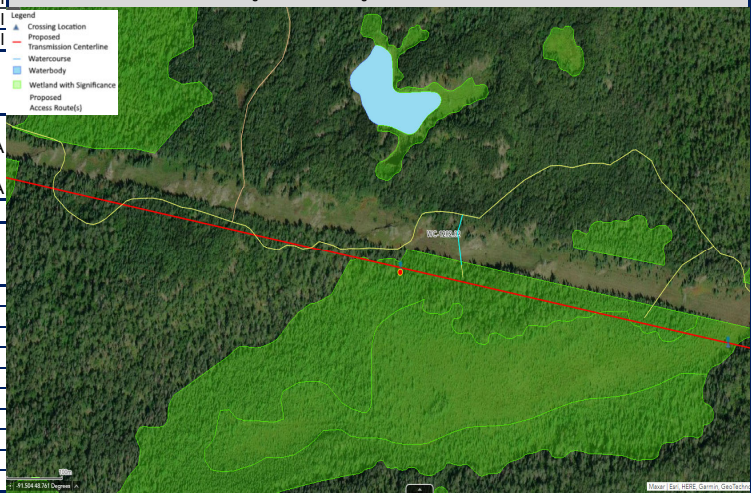
Photograph C: East at crossing

Photograph D: South at crossing



Photograph E: West at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1204**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-18
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.76236 Long:	-91.52559
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Flat
Stage:	Flooded
Riparian Vegetation SD1:	Coniferous Forest/Bare
Riparian Vegetation SD2:	Grass/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1
Wetted Width (m):	230
Bank Height (m):	1.25
Bankfull Width (m):	230
Maximum Depth (m):	>1
Substrate at Crossing	
SD1:	N/A
Bed:	Organics/Sand/Gravel
SD2:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.41
Conductivity (µS/cm):	19.83
pH:	5.81
Turbidity (NTU):	7.13
DO (mg/L):	6.41
Fish Habitat Data	
In-water Cover Features:	Aquatic & Overhanging Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Large impoundment created by large beaver dam.

Fish Species Captured

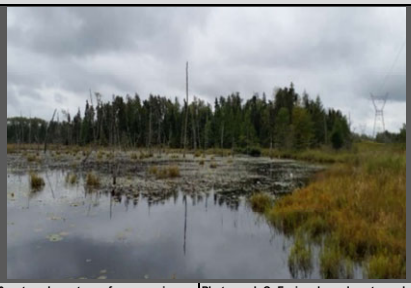
Method: Electrofishing, Minnow Trap

Fish Species Captured: Fathead Minnow, Northern Redbelly, Finescale, Pearl Dace, Blacknose Shiner, Brook Stickleback, Iowa Darter

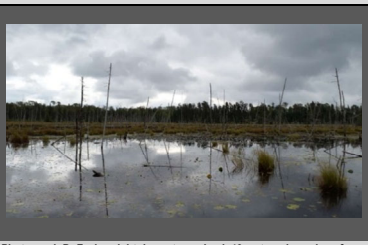
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Nil
Perch	Medium	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Low	Nil	Nil
Walleye	Nil	Low	Nil	Nil
Forage Species	High	High	High	High
Other	Medium	Medium	Medium	Medium

Photograph A: Facing left downstream bank 40 meters down slope from crossing

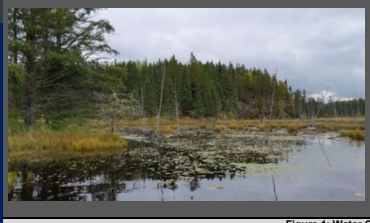


Photograph B: Facing upslope 40 meters downstream from crossing.



Photograph C: Facing downslope towards beaver dam, 40m downslope from crossing.

Photograph D: Facing right downstream bank 40 meters downslope from crossing



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1204.01**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-18
Alt. Route Segment:	1C / 2C
Coordinates of Crossing: Lat: 48.76022 Long:	-91.52878
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/Grass
Riparian Vegetation SD2:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1
Wetted Width (m):	3
Bank Height (m):	0.3
Bankfull Width (m):	4
Maximum Depth (m):	>1
Substrate at Crossing	
SD1:	Organics
Bed:	Organics/Gravel/Cobble
SD2:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.01
Conductivity (µS/cm):	47.98
pH:	6.22
Turbidity (NTU):	6.42
DO (mg/L):	6.4
Fish Habitat Data	
In-water Cover Features:	Aquatic & Overhanging Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located on a large impoundment. Majority of the impounded area is covered in floating bog mats with beavers runs through the vegetation

Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Finescale Dace, Pearl Dace, Brook Stickleback

Fish Habitat Potential Summary

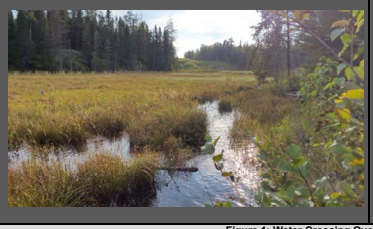
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Low	Nil	Nil
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	Low
Other	Low	Low	Low	Low

Photograph A: East (upslope) at crossing

Photograph B: Northern view at crossing

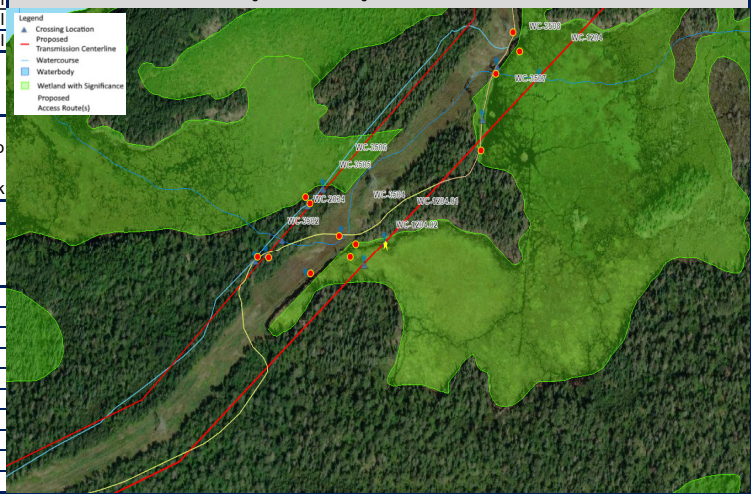
Photograph C: Southern view at crossing

Photograph D: Western view (downslope) at crossing



Photograph E: Eastern view, 50 meters east of crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-1204.02**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-19
Alt. Route Segment:	1C / 2C
Coordinates of Crossing: Lat: 48.76007 Long:	-91.52889
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permenancy:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Moderate
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg
Riparian Vegetation SD2:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.9
Wetted Width (m):	70
Bank Height (m):	2.75
Bankfull Width (m):	75
Maximum Depth (m):	0.95
Substrate at Crossing	
SD1:	Organics
Bed:	Organics
SD2:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	16.54
Conductivity (µS/cm):	39.95
pH:	5.2
Turbidity (NTU):	5.72
DO (mg/L):	2.53
Fish Habitat Data	
In-water Cover Features:	Aquatic & Overhanging Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is on an impounded wetland with floating bog mats. There is an incised Incised beaver run at the crossing. No discenable flow.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Pearl Dace, Chrosomus spp.

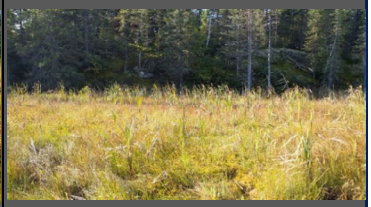
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Low	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Ground vegetation at crossing

Photograph B: North at crossing towards water crossing 1204.01

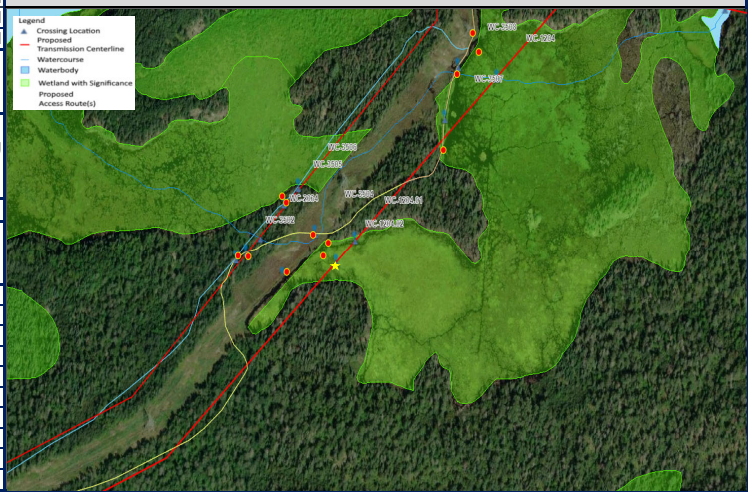
Photograph C: Facing south at crossing



Photograph D: West at crossing towards water crossing 3501

Photograph E: Facing east (Upslope) at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2253.03**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-27
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.57639 Long:	-92.46681
Weather Conditions	
Air Temp (°C):	5
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Flat
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	Irregular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Shrubs/Mixed Forest
Riparian Vegetation RDB:	Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.1
Wetted Width (m):	0.74
Bank Height (m):	0.20
Bankfull Width (m):	1.76
Maximum Depth (m):	0.28
Substrate at Crossing	
LDB:	Silt/Organics/Fine Sand
Bed:	Silt/Organics
RDB:	Silt/Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	7.85
Conductivity (µS/cm):	225.73
pH:	6.63
Turbidity (NTU):	1.1
DO (mg/L):	8.44
Fish Habitat Data	
In-water Cover Features:	Substrate/Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:

Small watercourse with lots of woody debris and poorly defined banks throughout. Perched corrugated plastic culvert 80 meters downstream.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

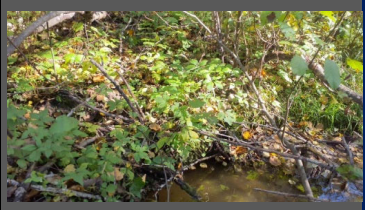
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Upstream at crossing

Photograph B: Downstream at crossing

Photograph C: Left downstream bank at crossing



Photograph D: Right downstream bank at crossing

Photograph E: Substrate at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2253.02**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-09-26
Alt. Route Segment:				3B
Coordinates of Crossing:	Lat:	49.57293	Long:	-92.47213
Weather Conditions				
Air Temp (°C):				8
Cloud Cover(%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				East
Wind Rate:				High
Reach Data				
Habitat Types:				Flat
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				Irregular Meander
Confinement:				Frequently Confined
Form:				Neutral
Stage:				Low
Riparian Vegetation LDB:				Mixed Forest/Shrubs/Grasses
Riparian Vegetation RDB:				Mixed Forest/Shrubs/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.06
Wetted Width (m):				1.9
Bank Height (m):				0.30
Bankfull Width (m):				2.48
Maximum Depth (m):				0.18
Substrate at Crossing				
LDB:				Silt/Organics/Fine Sand
Bed:				Silt/Organics/Fine Sand
RDB:				Silt/Organics/Fine Sand
Water Quality				
Water Colour:				Clear
Temperature (°C):				9.09
Conductivity (µS/cm):				98.58
pH:				6.35
Turbidity (NTU):				2.19
DO (mg/L):				6.81
Fish Habitat Data				
In-water Cover Features:				Woody Debris/Overhanging Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

The crossing is composed of shallow and narrow low quality run habitat with silt and organic substrate, and defined banks.

Fish Species Captured

Method: N/A

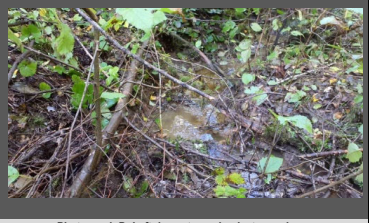
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at the crossing

Photograph B: Upstream at crossing



Photograph C: Downstream at crossing

Photograph D: Left downstream bank at crossing

Photograph E: Right downstream bank at the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2253.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-23
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.56527 Long:	-92.47928
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Mixed Forest
Riparian Vegetation RDB:	Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Brown
Temperature (°C):	11.36
Conductivity (µS/cm):	64
pH:	4.91
Turbidity (NTU):	3.33
DO (mg/L):	0.58
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Small flooded area with poorly defined banks connecting two flooded wetlands with no defined channel.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: South at crossing

Photograph C: West at crossing

Photograph D: East at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2232.01**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-08-12
Alt. Route Segment:				3B
Coordinates of Crossing:	Lat:	49.35651	Long:	-92.47226
Weather Conditions				
Air Temp (°C):				26
Cloud Cover(%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Types:				Pond/Impoundment(DS)/Flat(DS)
Length Assessed (m):				369
Visual Permanency:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				Flooded
Riparian Vegetation SD1:				Grasses/Shrubs
Riparian Vegetation SD2:				Grasses/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				>2
Wetted Width (m):				55
Bank Height (m):				4.00
Bankfull Width (m):				56
Maximum Depth (m):				>2
Substrate at Crossing				
SD1:				N/A
Bed:				Organics
SD2:				N/A
Water Quality				
Water Colour:				Brown
Temperature (°C):				25.65
Conductivity (µS/cm):				67.93
pH:				6.93
Turbidity (NTU):				1.27
DO (mg/L):				4.85
Fish Habitat Data				
In-water Cover Features:				Depth/Aquatic Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:

Deep impounded area in a valley with bedrock faces, large beaver dam approxinamtely 15 meters downstream form crossing location.

Fish Species Captured

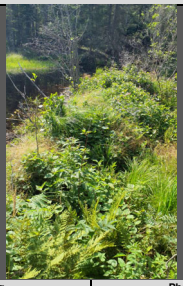
Method: Angling, Minnow Trap

Fish Species Captured: Finescale Dace (obs)

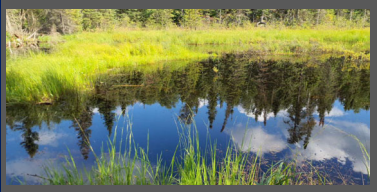
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Low	Medium
Perch	Low	Low	Low	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Low	Medium
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Medium	High
Other	Nil	Nil	Nil	Nil

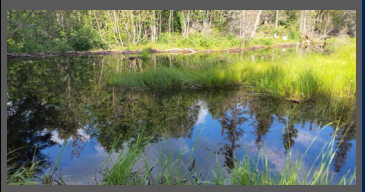
Photograph A: Barrier to fish passage



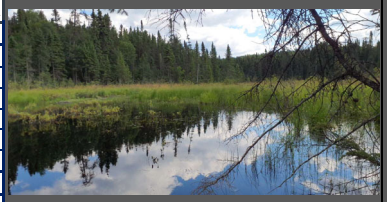
Photograph B: Opposite bank at crossing



Photograph C: Upstream view at crossing



Photograph D: Downstream view at crossing



Photograph E: Typical groundcover

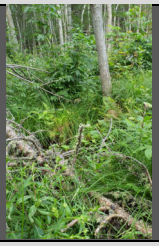
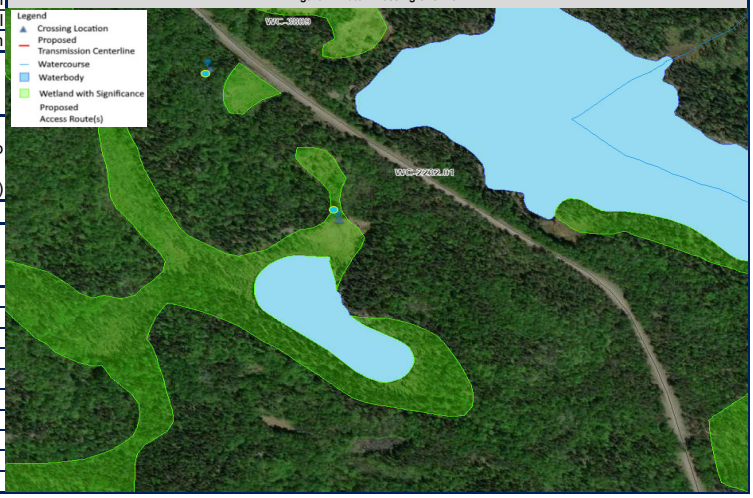


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2232**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-13
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.34460 Long:	-92.45795
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	Flat/Subsurface Flow(DS)
Length Assessed (m):	210
Visual Permanency:	Non-Permanent
Pattern :	Straight
Confinement:	Frequently Confined
Form:	Irregular
Stage:	Low
Riparian Vegetation LDB:	Grasses/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Grasses/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.15
Wetted Width (m):	0.7
Bank Height (m):	0.01
Bankfull Width (m):	1.8
Maximum Depth (m):	0.3
Substrate at Crossing	
LDB:	Organics/Fine Sand/Silt
Bed:	Organics
RDB:	Organics/Fine Sand/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	19.15
Conductivity (µS/cm):	105.31
pH:	6.78
Turbidity (NTU):	0.49
DO (mg/L):	2.19
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Substrate/Subsurface Flow/Debris Pile

General Description:

Channelized flow from a small wetland area. Low flows at the crossing location. Small valley with boulder gardens downstream of the crossing.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

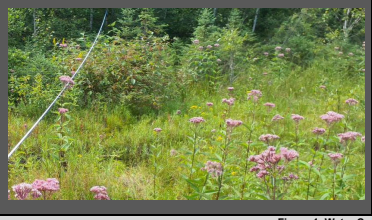
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Dowstream barrier to fish movement

Photograph B: Crossing facing upstream

Photograph C: Crossing facing downstream

Photograph D: View across watercourse at site



Photograph E: Typical vegetation at site

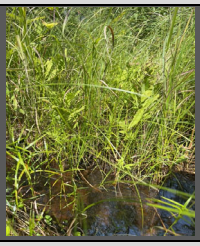


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2230**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-11
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.33747 Long:	-92.45295
Weather Conditions	
Air Temp (°C):	20
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	Flat/Run(US)/Riffle(DS)
Length Assessed (m):	151
Visual Permanency:	Permanent
Pattern :	Straight
Confinement:	Unconfined
Form:	Incised
Stage:	Low
Riparian Vegetation LDB:	Grasses
Riparian Vegetation RDB:	Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.25
Wetted Width (m):	0.35
Bank Height (m):	0.05
Bankfull Width (m):	0.55
Maximum Depth (m):	0.7
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	16.17
Conductivity (µS/cm):	79.5
pH:	6.39
Turbidity (NTU):	3.31
DO (mg/L):	6.25
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Small ephemeral watercourse that widens downstream of crossing and narrows again into a channelized riffle 60 m downstream.

Fish Species Captured

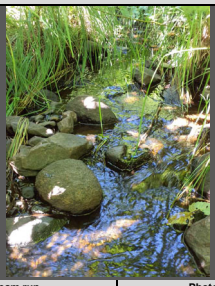
Method: Minnow Trap

Fish Species Captured: Nil

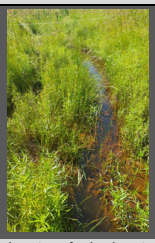
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 50 m upstream from crossing



Photograph B: Crossing facing upstream run



Photograph C: Crossing facing downstream

Photograph D: 25 m downstream faceing downstream where side channel branches off

Photograph E: Riffle 60 m downstream from crossing

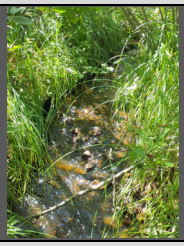


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2228**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-08-12
Alt. Route Segment:				3B
Coordinates of Crossing:	Lat:	49.31696	Long:	-92.44977
Weather Conditions				
Air Temp (°C):				20
Cloud Cover(%):				0
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				Pooled
Riparian Vegetation LDB:				Muskeg/Shrubs/Grasses
Riparian Vegetation RDB:				Muskeg/Shrubs/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Clear
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

The crossing is located in a wetland area with heavy alder growth, and no defined channel.

Fish Species Captured

Method: N/A

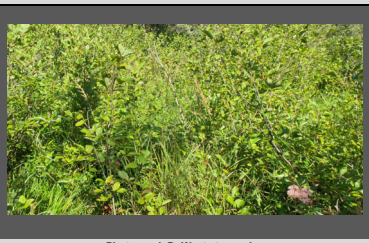
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

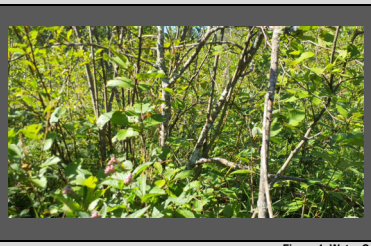
Photograph A: Typical groundcover

Photograph B: North at crossing



Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2227.01**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-10
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.33777 Long:	-92.45302
Weather Conditions	
Air Temp (°C):	21
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	Flat(US)/No Defined Channel(US)
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Straight
Confinement:	Frequently Confined
Form:	Incised
Stage:	Low
Riparian Vegetation LDB:	Grasses
Riparian Vegetation RDB:	Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.13
Wetted Width (m):	0.53
Bank Height (m):	0.05
Bankfull Width (m):	0.63
Maximum Depth (m):	0.35
Substrate at Crossing	
LDB:	Organics/Cobble
Bed:	Cobble/Silt/Sand/Gravel
RDB:	Organics/Cobble
Water Quality	
Water Colour:	Tea
Temperature (°C):	16.17
Conductivity (µS/cm):	79.5
pH:	6.39
Turbidity (NTU):	3.31
DO (mg/L):	6.25
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Beaver Dam

General Description:

Small ephemeral watercourse that flows through a densely vegetated wetland, widening 25 m downstream before reaching a damaged culvert.

Fish Species Captured

Method: N/A

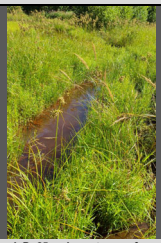
Fish Species Captured: N/A

Fish Habitat Potential Summary

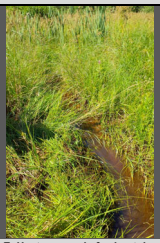
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Obstruction to fish passage upstream of site

Photograph B: East at crossing



Photograph C: West at crossing



Photograph D: 25 m downstream of crossing

Photograph E: Upstream end of culvert downstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2227**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-12
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.31299 Long:	-92.44505
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Muskeg/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	0.4
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Cedar swamp with small pockets of pooled water. Overgrown with small cedars, alder, and forbes.

Fish Species Captured

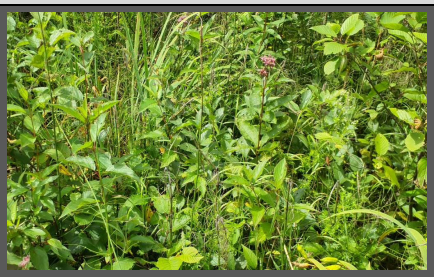
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

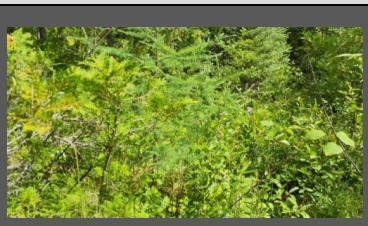
Photograph A: Typical groundcover



Photograph B: Pooled water at crossing

Photograph C: View in the vicinity of the crossing

Photograph D: View in the vicinity of the crossing



Photograph E: View in the vicinity of the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2226.03**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-09
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.29518 Long:	-92.42651
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Flat
Length Assessed (m):	15
Visual Permanency:	Non-Permanent
Pattern :	Braided
Confinement:	Occasionally Confined
Form:	Irregular
Stage:	Pooled
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Grasses
Riparian Vegetation RDB:	Mixed Forest/Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.03
Wetted Width (m):	0.55
Bank Height (m):	0.15
Bankfull Width (m):	0.65
Maximum Depth (m):	0.05
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.41
Conductivity (µS/cm):	67
pH:	6.48
Turbidity (NTU):	0.65
DO (mg/L):	3.55
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Groundwater Seep / Spring
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:

Channelized stream with some pooling at crossing, becoming braided and subsurface downstream. Groundwater upwelling 10m upstream.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 15 m downstream of crossing looking upstream

Photograph B: 10 m upstream of crossing

Photograph C: 15 m downstream of crossing channel looking downstream

Photograph D: 10 m downstream of crossing looking upstream

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2226.02**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-10
Alt. Route Segment:	3B
Coordinates of Crossing:	Lat: 49.29308 Long: -92.42598
Weather Conditions	
Air Temp (°C):	21
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Moderate
Reach Data	
Habitat Types:	No Defined Channel/Flat (DS)/Subsurface Flow (DS)
Length Assessed (m):	75
Visual Permanency:	Non-Permanent
Pattern :	Straight
Confinement:	Confined
Form:	Incised
Stage:	Low
Riparian Vegetation LDB:	Shrubs/Grasses
Riparian Vegetation RDB:	Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	16.68
Conductivity (µS/cm):	58.72
pH:	4.67
Turbidity (NTU):	15.13
DO (mg/L):	5.39
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Groundwater Seep / Spring
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam / Subsurface Flow

General Description:

No water at crossing. Channelized groundwater seepage 25 m south of crossing and into a lake 75 m downstream where fishing ocurred.

Fish Species Captured

Method: Angling, Minnow Trap

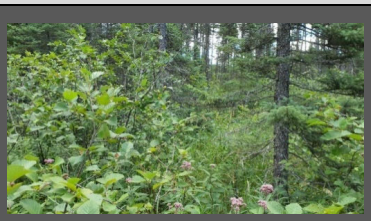
Fish Species Captured: Northern Redbelly Dace, Leuciscidae sp.

Fish Habitat Potential Summary

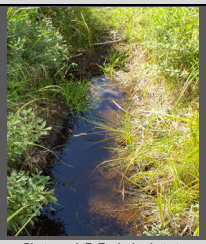
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Medium
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Low	Nil	Medium
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: South at crossing



Photograph C: Beginning of groundwater channel facing upstream



Photograph D: 75m downstream where channel flows into a lake

Photograph E: Typical substrate

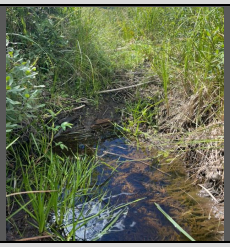


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2226.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-08-09
Alt. Route Segment:				3B
Coordinates of Crossing:	Lat:	49.29028	Long:	-92.42170
Weather Conditions				
Air Temp (°C):				25
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Nil
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Muskeg/Grasses/Coniferous Forest/Shrubs
Riparian Vegetation RDB:				Muskeg/Grasses/Coniferous Forest/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Muskeg black spruce wetand area which was dry at time of assessment, with no defined channel and no bed or banks.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

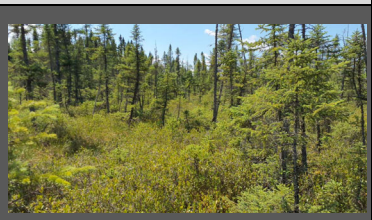
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover

Photograph B: North view of site

Photograph C: South view of site

Photograph D: West view of site



Photograph E: East view of site

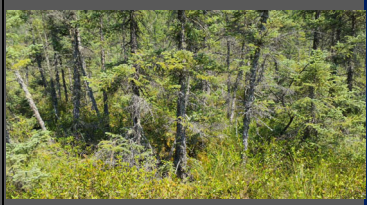


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2225.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-09
Alt. Route Segment:	3B
Coordinates of Crossing:	Lat: 49.26608 Long: -92.40268
Weather Conditions	
Air Temp (°C):	24
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Grasses/Coniferous Forest/Shrubs
Riparian Vegetation RDB:	Muskeg/Grasses/Coniferous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.3
Conductivity (µS/cm):	25.31
pH:	4.76
Turbidity (NTU):	1.04
DO (mg/L):	1.93
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is a large bog with small intermittent pools of standing water through the sphagnum groundcover. No flow observed.

Fish Species Captured

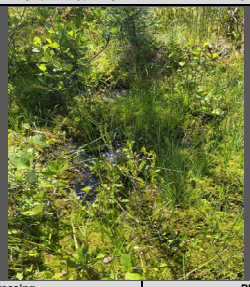
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover with standing water



Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2225.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-08-09
Alt. Route Segment:				3B
Coordinates of Crossing:	Lat:	49.26536	Long:	-92.40226
Weather Conditions				
Air Temp (°C):				25
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Muskeg/Grasses/Coniferous Forest
Riparian Vegetation RDB:				Muskeg/Grasses/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.05
Wetted Width (m)[k]:				100
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				0.1
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				20.72
Conductivity (µS/cm):				32.59
pH:				4.32
Turbidity (NTU):				2.3
DO (mg/L):				4.09
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Crossing is located in a semi-open wetland with scattered black spruce. No defined channel, bed or banks. Only small pockets of water present.

Fish Species Captured

Method: N/A

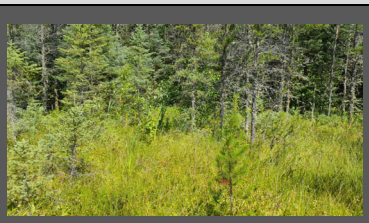
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial image of crossing

Photograph B: North at crossing

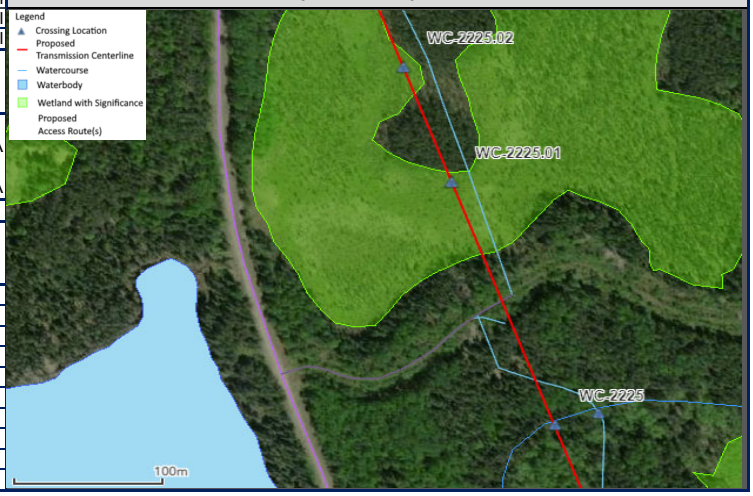


Photograph C: South at crossing

Photograph D: East at crossing

Photograph E: West at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2209.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-09-12
Alt. Route Segment:				3C
Coordinates of Crossing:	Lat:	49.43357	Long:	-92.12004
Weather Conditions				
Air Temp (°C):				23
Cloud Cover(%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				North
Wind Rate:				Low
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Nil
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Muskeg/Shrubs/Coniferous Forest
Riparian Vegetation RDB:				Muskeg/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Crossing is located in a treed fen with no water or sign of historic channel.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Groundcover at crossing

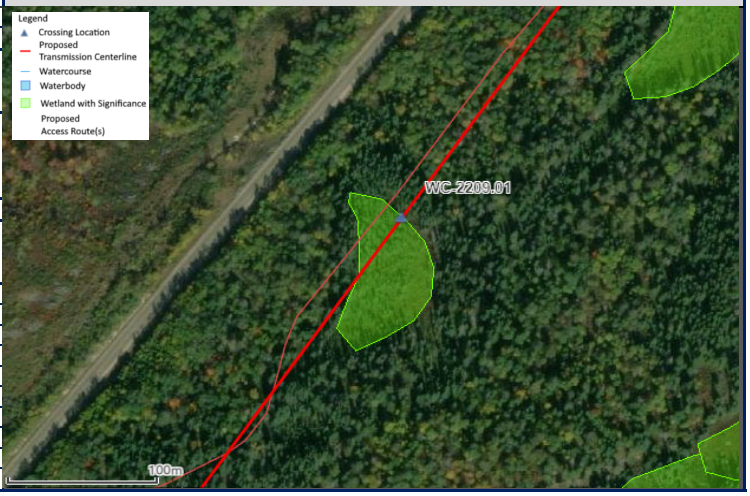
Photograph B: North view of site

Photograph C: South view of site

Photograph D: West view of site

Photograph E: East view of site

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2204**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-24
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.39731 Long:	-92.17959
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Coniferous Forest/Shrubs/Muskeg
Riparian Vegetation RDB:	Coniferous Forest/Shrubs/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

No water observed at crossing.Treed fen with tamarack and spruce, with a cedar swamp adjacent.

Fish Species Captured

Method: N/A

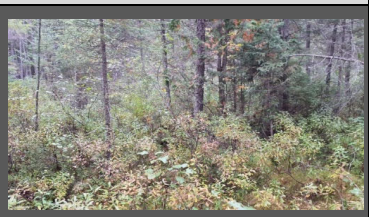
Fish Species Captured: N/A

Fish Habitat Potential Summary

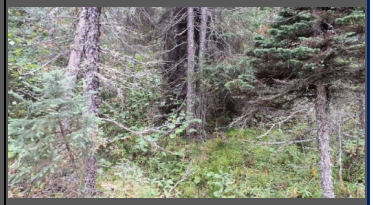
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Groundcover at crossing

Photograph B: North view of site



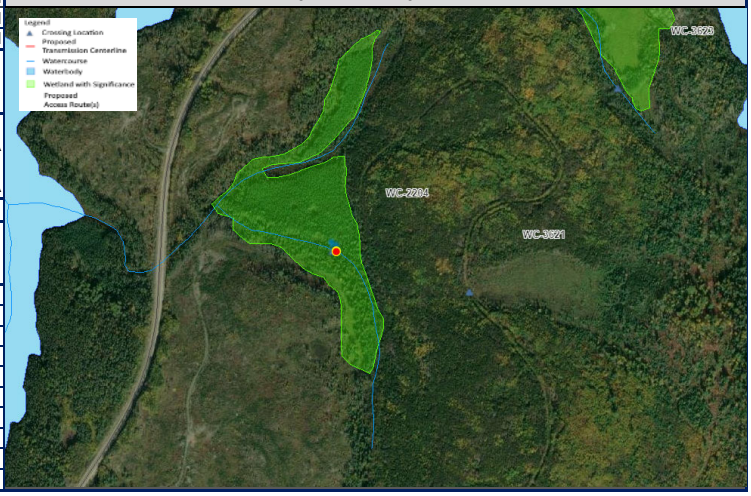
Photograph C: South view of site



Photograph D: West view of site

Photograph E: East view of site

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2203**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-22
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.39205 Long:	-92.18695
Weather Conditions	
Air Temp (°C):	13
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Low
Reach Data	
Habitat Types:	Pond
Length Assessed (m):	1120
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Low
Stage:	Low
Riparian Vegetation SD1:	Shrubs/Grasses/Coniferous Forest
Riparian Vegetation SD2:	Shrubs/Grasses/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m)[(k)]:	180
Bank Height (m):	0.28
Bankfull Width (m)[(k)]:	185
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Silt/Organics/Cobble/Bedrock
Bed:	Silt/Boulder/Organics/Cobble
SD2:	Silt/Organics/Cobble/Bedrock
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.05
Conductivity (µS/cm):	40.67
pH:	6.75
Turbidity (NTU):	0
DO (mg/L):	8.22
Fish Habitat Data	
In-water Cover Features:	Depth/Aquatic & Overhanging Vegetation
Sensitive Features:	Permanent inflowing tributary
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Elongated lake with rocky shore topped with vegetation. Inlets to the east and west and outlet to the south, beaver lodge at the northern end.

Fish Species Captured

Method: N/A

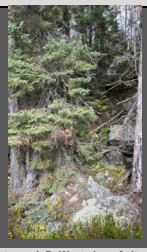
Fish Species Captured: N/A

Fish Habitat Potential Summary

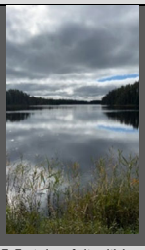
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Medium	Medium	Medium	Medium
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	High	High
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Medium
Trout/Whitefish	Low	Low	Low	Low
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Medium	Medium	Medium	Medium

Photograph A: High water mark at site

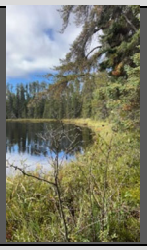
Photograph B: North view of site



Photograph C: South view of site



Photograph D: West view of site



Photograph E: East view of site with beaver lodge

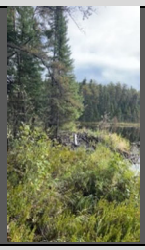


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2201.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-08
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.36143 Long:	-92.19966
Weather Conditions	
Air Temp (°C):	26
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is near dry in a deciduous forest dominated by white birch, with some white ash and mountain maple understory.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

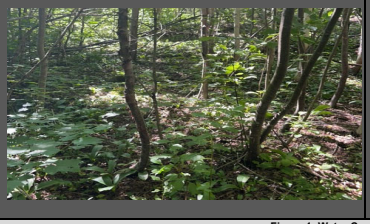
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Example of water pool in swamp

Photograph B: looking north

Photograph C: Looking south

Photograph D: Looking west at water course



Photograph E: Looking east

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2201.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-01
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.65770 Long:	-92.43383
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Low lying bog with small, shallow pools of standing water. No defined channel, flow, or fish habitat.

Fish Species Captured

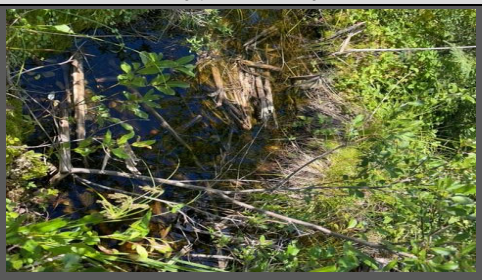
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing



Photograph B: East at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2200.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-08
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.36138 Long:	-92.19966
Weather Conditions	
Air Temp (°C):	26
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Completely dry deciduous forest dominated by white birch, with some white ash and mountain maple. No water or evidence of historic channel.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

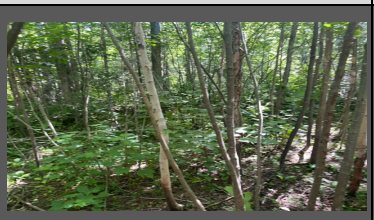
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North view of site

Photograph B: East view of site

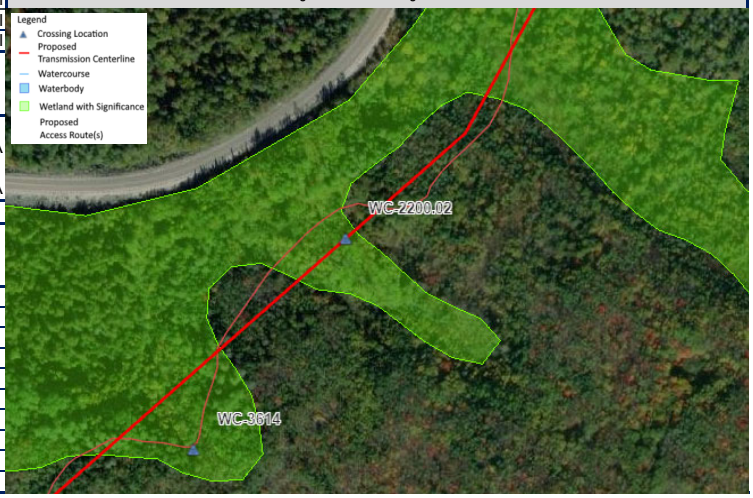
Photograph C: South view of site

Photograph D: West view of site



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2200.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-08
Alt. Route Segment:	3C
Coordinates of Crossing:	Lat: 49.35844 Long: -92.20472
Weather Conditions	
Air Temp (°C):	27
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Wood Forest/Shrubs/Grasses
Riparian Vegetation RDB:	Mixed Wood Forest/Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Cedar swamp with small exposed intermittent pools and no flow. Opening in canopy runs east to west.

Fish Species Captured

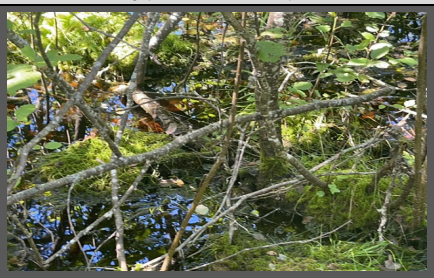
Method: N/A

Fish Species Captured: N/A

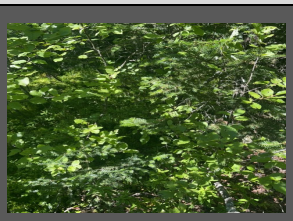
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Pooled water in swamp



Photograph B: Northern view of site



Photograph C: Typical ground cover

Photograph D: Western view of site

Photograph E: Eastern view of site

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2199**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-25
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.33119 Long:	-92.21760
Weather Conditions	
Air Temp (°C):	24
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	Pond/Impoundment(DS)/Run(DS)
Length Assessed (m):	101
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Flat
Stage:	Low
Riparian Vegetation SD1:	Grasses/Shrubs
Riparian Vegetation SD2:	Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.52
Wetted Width (m):	2.58
Bank Height (m):	0.26
Bankfull Width (m):	3.5
Maximum Depth (m):	1.8
Substrate at Crossing	
SD1:	Organics/Silt/Sand
Bed:	Organics/Silt/Sand/Boulder
SD2:	Organics/Silt/Sand
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.61
Conductivity (µS/cm):	62.45
pH:	6.41
Turbidity (NTU):	6.82
DO (mg/L):	1.98
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:

Series of small impoundments. Downstream of beaver dam becomes narrow run.

Fish Species Captured

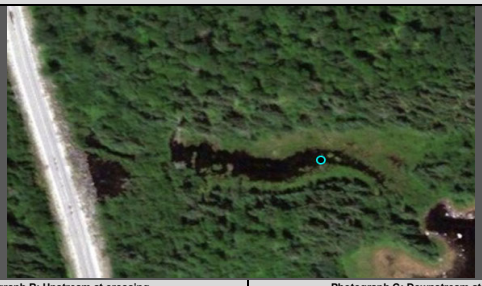
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Arial photo of water crossing



Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Impoundment upstream of beaver dam

Photograph E: Run downstream of beaver dam

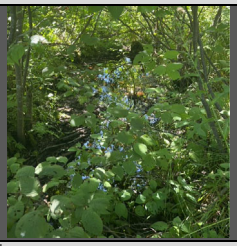
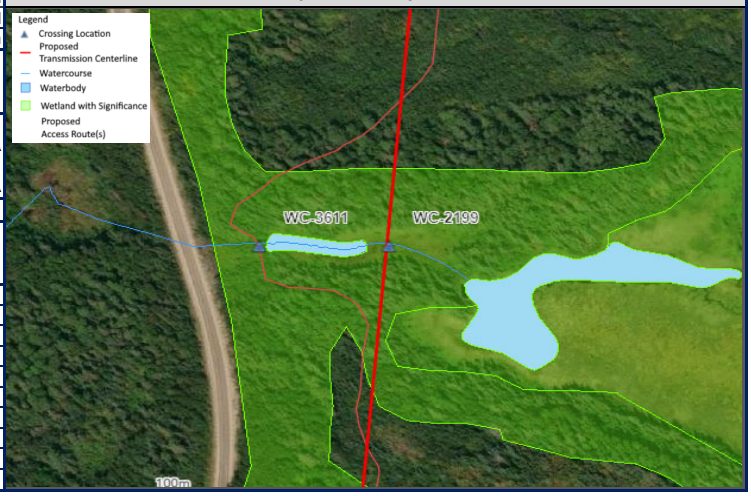


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2198**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-25
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.32578 Long:	-92.21761
Weather Conditions	
Air Temp (°C):	26
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs
Riparian Vegetation RDB:	Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	25.85
Conductivity (µS/cm):	128.37
pH:	6.49
Turbidity (NTU):	22.41
DO (mg/L):	7.81
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is located on the edge of a previously large wetland, with near dry conditions. Under higher water levels, may connect to WC-2197.

Fish Species Captured

Method: N/A

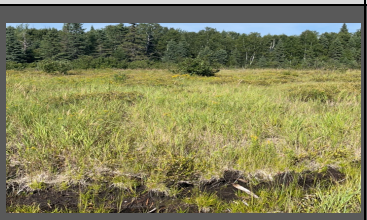
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial photo of water crossing

Photograph B: North view of site

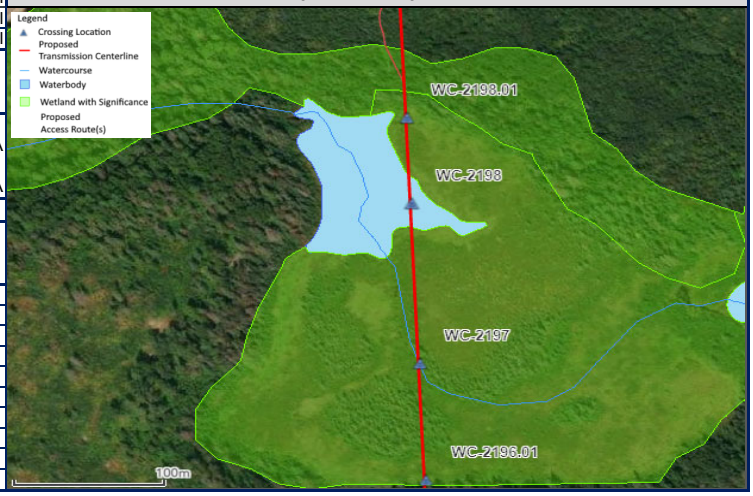


Photograph C: South view of site

Photograph D: West view of site

Photograph E: East view of site

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2197**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-22
Alt. Route Segment:	3C
Coordinates of Crossing:	Lat: 49.32587 Long: -92.21833
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Flat(DS)/Pool(DS)/No Defined Channel(DS)
Length Assessed (m):	203
Visual Permanency:	Permanent
Pattern :	Winding
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Muskeg/Grasses
Riparian Vegetation RDB:	Muskeg/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.54
Wetted Width (m):	2.78
Bank Height (m):	0.26
Bankfull Width (m):	5.98
Maximum Depth (m):	0.75
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.4
Conductivity (µS/cm):	70.26
pH:	6.05
Turbidity (NTU):	4.5
DO (mg/L):	4.5
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Substrate/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Wetland with poorly defined channel. Cattail marsh surrounded by fen. Flat and pool habitat with well defined banks and flow downstream.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

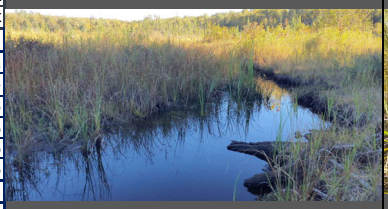
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Medium	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Left downstream bank at crossing

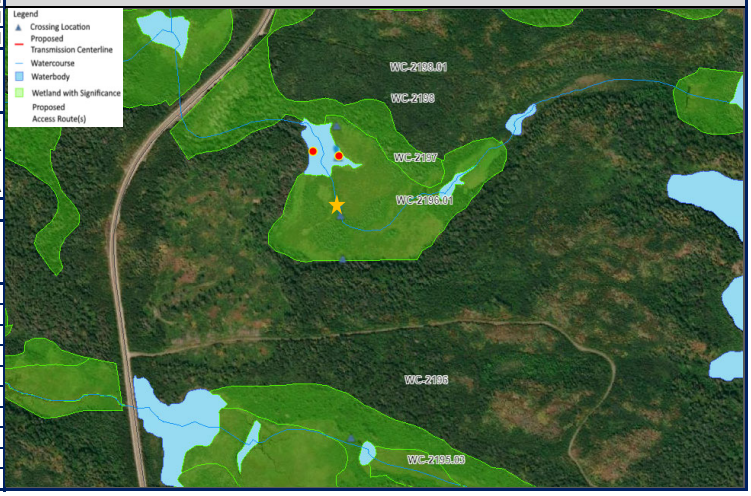
Photograph C: Right downstream bank at crossing

Photograph D: Downstream pool



Photograph E: Downstream flat

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2193.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-23
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.28533 Long:	-92.20967
Weather Conditions	
Air Temp (°C):	10
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Coniferous Forest/Shrubs
Riparian Vegetation RDB:	Muskeg/Coniferous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Bog at crossing. No watercourse. Remainder of reach is bog with thick Sphagnum moss (0.5 meters).

Fish Species Captured

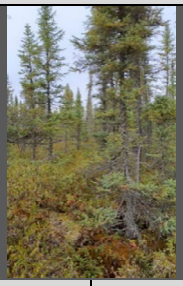
Method: N/A

Fish Species Captured: N/A

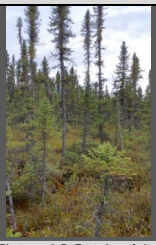
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North view of site

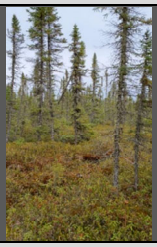


Photograph B: South view of site



Photograph C: West view of site

Photograph D: East view of site



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission

Watercrossing: **WC-2190.03**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-24
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.26029 Long:	-92.22777
Weather Conditions	
Air Temp (°C):	13
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest/Grass/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Forested bog with no channel or flow.

Fish Species Captured

Method: N/A

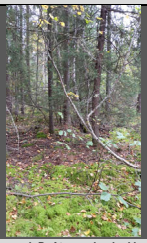
Fish Species Captured: N/A

Fish Habitat Potential Summary

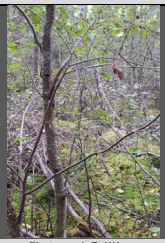
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: At crossing looking north

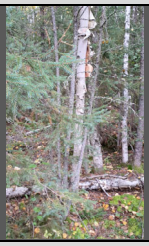
Photograph B: At crossing looking south



Photograph C: At crossing looking west

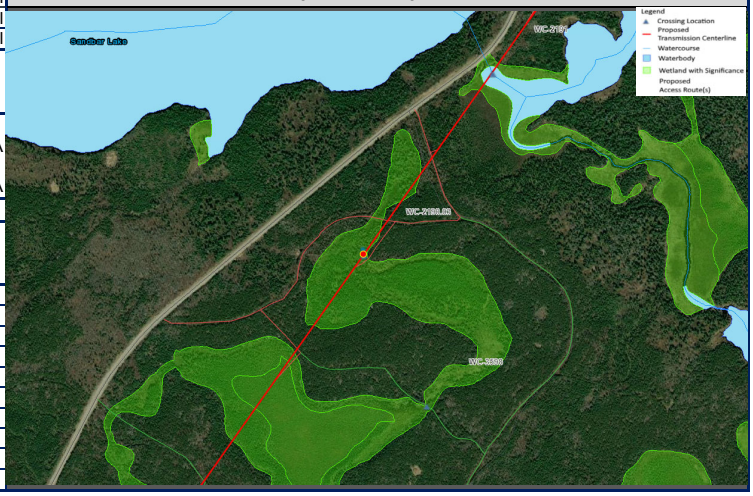


Photograph D: At crossing looking east



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2190.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-24
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.24462 Long:	-92.23611
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Grass
Riparian Vegetation RDB:	Muskeg/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No flowing water. Only small amounts of pooled water in a wetland area.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover at crossing

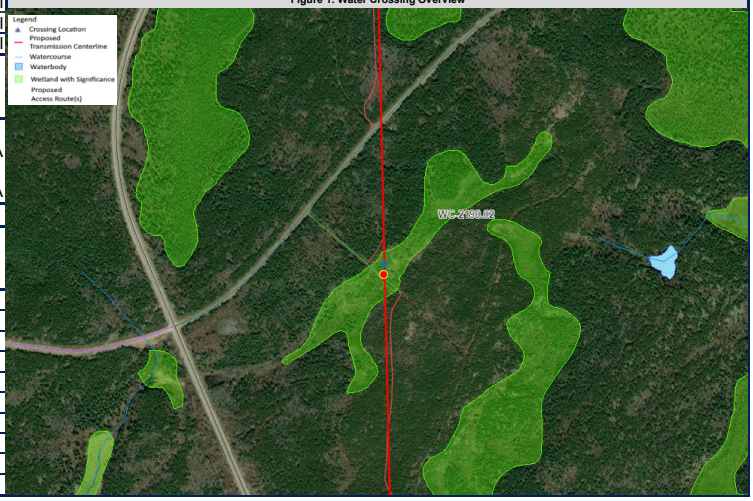
Photograph B: At crossing looking north

Photograph C: At crossing looking south

Photograph D: Looking west at crossing

Photograph E: At crossing looking east

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2187.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-21
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.22215 Long:	-92.23504
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs
Riparian Vegetation RDB:	Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Depression with sphagnum and shrubs surrounded by mixed forest. Wet with small pooled areas, but no flowing water or channel.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

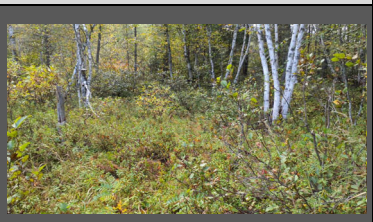
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover at crossing

Photograph B: Looking north at crossing

Photograph C: Looking south at crossing

Photograph D: Looking west at crossing



Photograph E: Looking east at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2186.04**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-21
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.21652 Long:	-92.23375
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Grass
Riparian Vegetation RDB:	Muskeg/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Saturated bog with no open water or flow.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover at crossing

Photograph B: Looking north at crossing

Photograph C: Looking south at crossing

Photograph D: Looking west at crossing

Photograph E: Looking east at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2186.03**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-21
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.21438 Long:	-92.23201
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg
Riparian Vegetation RDB:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Spruce swamp with small pocket of pooled water, but no defined channel and no flow.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover at crossing

Photograph B: Looking north at crossing

Photograph C: Looking south at crossing

Photograph D: Looking west at crossing

Photograph E: Looking east at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2186.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-21
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.21323 Long:	-92.23102
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	N/A
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Coniferous Forest
Riparian Vegetation RDB:	Shrubs/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	10.88
Conductivity (µS/cm):	35.48
pH:	3.72
Turbidity (NTU):	2.8
DO (mg/L):	5.02
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Spruce swamp with small pocket of pooled water, but no defined channel and no flow.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

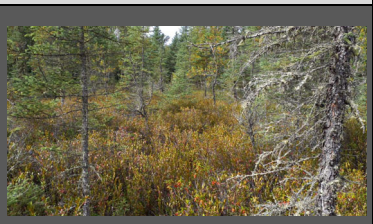
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover at crossing

Photograph B: Looking north at crossing

Photograph C: Looking south at crossing

Photograph D: Looking west at crossing



Photograph E: Looking east at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2186.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-21
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.21167 Long:	-92.22958
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	N/A
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs
Riparian Vegetation RDB:	Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	11.89
Conductivity (µS/cm):	128.5
pH:	3.88
Turbidity (NTU):	1.39
DO (mg/L):	4.84
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Spruce swamp with small pockets of pooled water, but no defined channel and no flow.

Fish Species Captured

Method: N/A

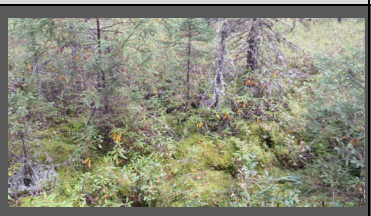
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover at crossing

Photograph B: Looking north at crossing



Photograph C: Looking south at crossing

Photograph D: Looking west at crossing

Photograph E: Looking east at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2180.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-13
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.16996 Long:	-92.23821
Weather Conditions	
Air Temp (°C):	17
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs/Coniferous Forest
Riparian Vegetation RDB:	Muskeg/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is located in a dry semi-forested muskeg bog. There is no water and no channel. To the north there are large patches of bedrock.

Fish Species Captured

Method: N/A

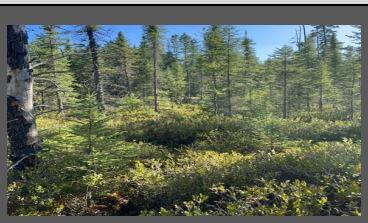
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

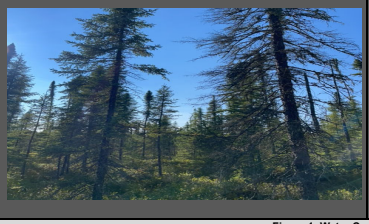
Photograph A: Typical groundcover at crossing

Photograph B: Looking north at crossing



Photograph C: Looking south at crossing

Photograph D: Looking west at crossing



Photograph E: Looking east at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2180.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-09-13
Alt. Route Segment:				3C
Coordinates of Crossing:	Lat:	49.16648	Long:	-92.32246
Weather Conditions				
Air Temp (°C):				17
Cloud Cover(%):				0
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:		Muskeg/Grasses/Shrubs/Coniferous Forest		
Riparian Vegetation RDB:		Muskeg/Grasses/Shrubs/Coniferous Forest		
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.1
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				<0.1
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Clear
Temperature (°C):				16.12
Conductivity (µS/cm):				33.77
pH:				4.78
Turbidity (NTU):				25.65
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

No defined channel at the crossing or through survey area. Survey area dominated by bog/muskeg, grasses, bog laurel, and scattered conifers.

Fish Species Captured

Method: N/A

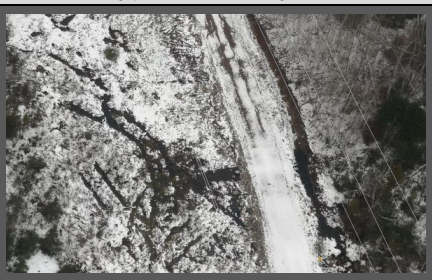
Fish Species Captured:

N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

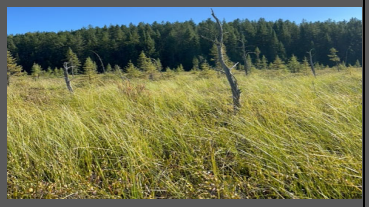
Photograph A: Ariel view near crossing location



Photograph B: Looking north

Photograph C: Looking south

Photograph D: Looking west



Photograph E: Looking east

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2180**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-23
Alt. Route Segment:	3C
Coordinates of Crossing: Lat: 49.15740 Long:	-92.24093
Weather Conditions	
Air Temp (°C):	9
Cloud Cover(%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	Flat/No Defined Channel(US)
Length Assessed (m):	210
Visual Permanency:	Permanent
Pattern :	Irregular Meander
Confinement:	Occasionally Confined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Muskeg
Riparian Vegetation RDB:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.12
Wetted Width (m):	0.3
Bank Height (m):	0.50
Bankfull Width (m):	15
Maximum Depth (m):	0.4
Substrate at Crossing	
LDB:	Organics
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	10.35
Conductivity (µS/cm):	29.05
pH:	6.02
Turbidity (NTU):	2.82
DO (mg/L):	5.65
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Bog with small watercourse at crossing. Undefined flow in bog upstream of crossing, defined watercourse through marsh downstream of crossing.

Fish Species Captured

Method: N/A

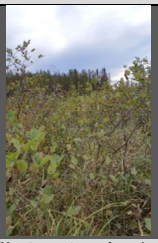
Fish Species Captured: N/A

Fish Habitat Potential Summary

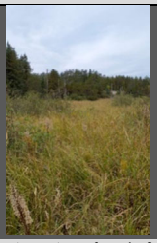
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover

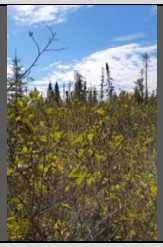
Photograph B: Upstream at crossing facing northeast



Photograph C: Downstream at crossing facing southwest



Photograph D: 30 meters upstream of crossing facing north



Photograph E: 30 meters upstream of crossing facing south

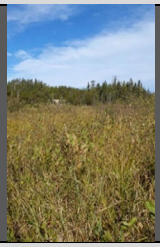


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2164.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	3B / 3C
Coordinates of Crossing: Lat: 48.93462 Long:	-91.98100
Weather Conditions	
Air Temp (°C):	21
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg
Riparian Vegetation RDB:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	20.01
Conductivity (µS/cm):	15.46
pH:	4.59
Turbidity (NTU):	0
DO (mg/L):	8.96
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Bog wetland with no flow or channel. Small patches of standing water.

Fish Species Captured

Method: N/A

Fish Species Captured:

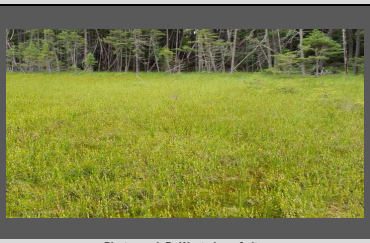
N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

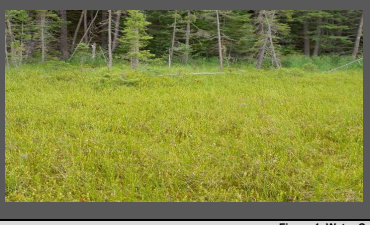
Photograph A: North at crossing

Photograph B: South at crossing



Photograph C: East at crossing

Photograph D: West view of site



Photograph E: Ground at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2164.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-09
Alt. Route Segment:	3B / 3C
Coordinates of Crossing: Lat: 48.93182 Long:	-91.96916
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Wood Forest
Riparian Vegetation RDB:	Mixed Wood Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water or channel present.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: South at crossing

Photograph C: West at crossing

Photograph D: East at crossing

Photograph E: Groundcover at crossing

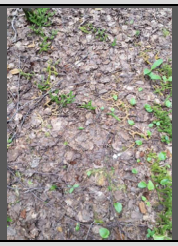
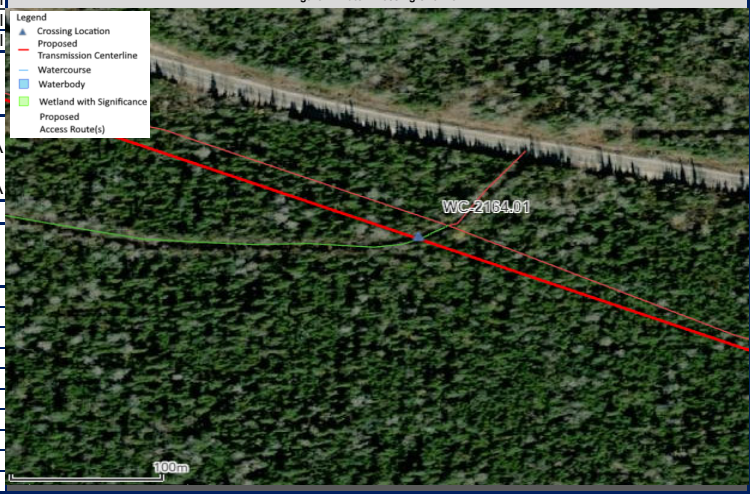


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2164**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-10
Alt. Route Segment:	3B / 3C
Coordinates of Crossing: Lat: 48.92658 Long:	-91.91593
Weather Conditions	
Air Temp (°C):	22
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Wood Forest
Riparian Vegetation RDB:	Mixed Wood Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:

No water watercourse or waterbody. Low lying land with some wet soil plants but appears dry. Partially buried culvert located downslope.

Fish Species Captured

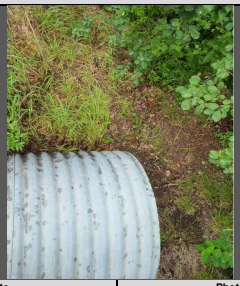
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

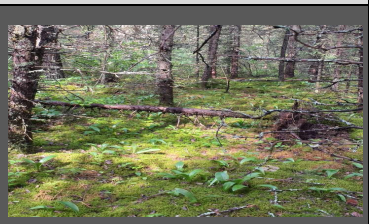
Photograph A: Downslope culvert (no water)



Photograph B: North view of site

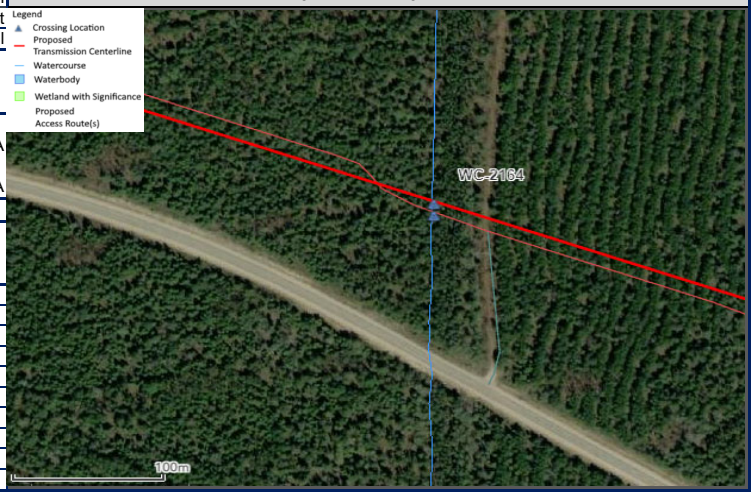
Photograph C: South view of site

Photograph D: West view of site



Photograph E: East view of site

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2163.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-02
Alt. Route Segment:	3B / 3C
Coordinates of Crossing: Lat: 48.91867 Long:	-91.87696
Weather Conditions	
Air Temp (°C):	22
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest
Riparian Vegetation RDB:	Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

No channels and no water. Survey area is in the upper portion of a valley between two hillsides and is mostly flat.

Fish Species Captured

Method: N/A

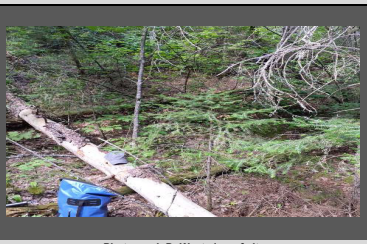
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

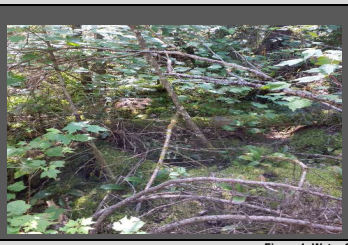
Photograph A: Typical groundcover

Photograph B: North view of site



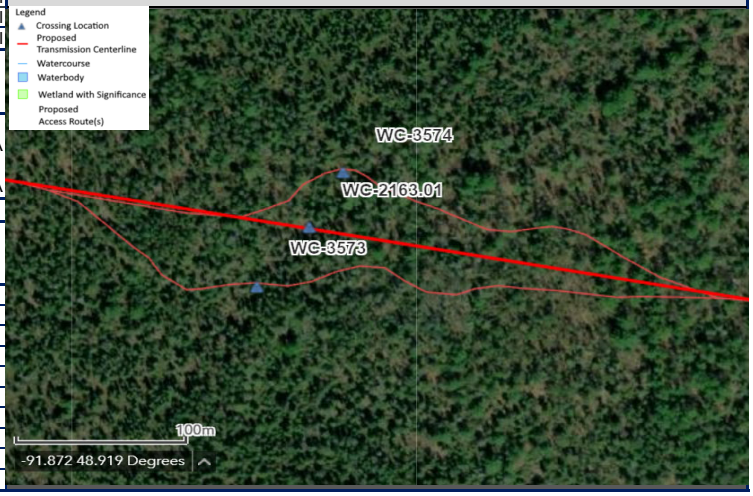
Photograph C: South view of site

Photograph D: West view of site



Photograph E: East view of site

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2159**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-07-16
Alt. Route Segment:				3B / 3C
Coordinates of Crossing:	Lat:	48.91035	Long:	-91.77737
Weather Conditions				
Air Temp (°C):				25
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Coniferous Forest/Muskeg/Shrubs
Riparian Vegetation RDB:				Coniferous Forest/Muskeg/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow

General Description:

No defined channel, dry at the time of investigation. Signs of subsurface flow.

Fish Species Captured

Method: N/A

Fish Species Captured:

N/A

Fish Habitat Potential Summary

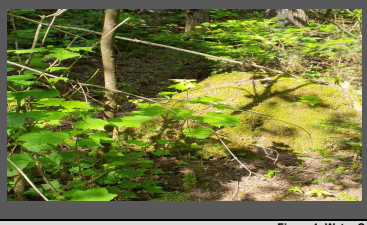
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ariel view near crossing location

Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: East at crossing

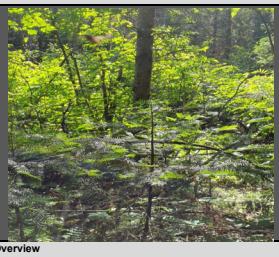
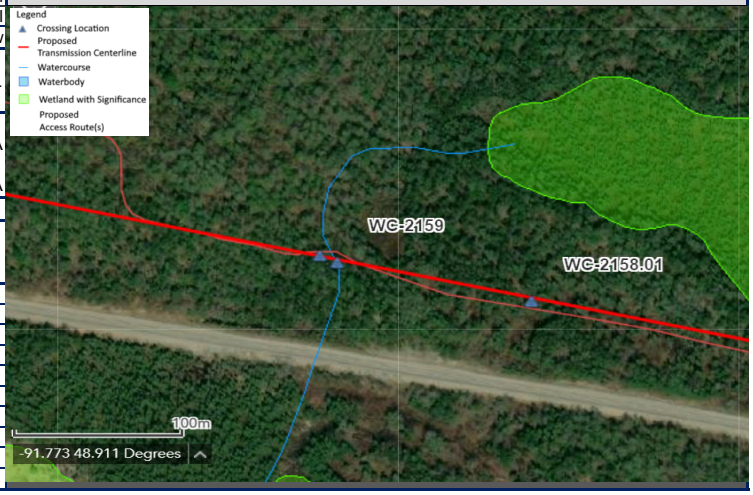


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2158.01**

Waterbody Name:			Unnamed
Waterbody Type:			Watercourse
Date surveyed:			2022-07-16
Alt. Route Segment:			3B / 3C
Coordinates of Crossing:	Lat:	48.91012 Long:	-91.77599
Weather Conditions			
Air Temp (°C):			27
Cloud Cover(%):			50-75
Precipitation Amount/Type:			None
Wind Direction:			No Wind
Wind Rate:			Calm
Reach Data			
Habitat Types:			No Defined Channel/Flat(DS)/Run(DS)
Length Assessed (m):			80
Visual Permanency:			Permanent
Pattern :			Winding
Confinement:			Occasionally Confined
Form:			Neutral
Stage:			High
Riparian Vegetation LDB:			Muskeg/Mixed Forest/Grasses/Shrubs
Riparian Vegetation RDB:			Muskeg/Mixed Forest/Grasses/Shrubs
Channel Morphology Data at Crossing			
Wetted Depth (m):			N/A
Wetted Width (m):			N/A
Bank Height (m):			N/A
Bankfull Width (m):			N/A
Maximum Depth (m):			N/A
Substrate at Crossing			
LDB:			N/A
Bed:			N/A
RDB:			N/A
Water Quality			
Water Colour:			Tea
Temperature (°C):			12.92
Conductivity (µS/cm):			59.54
pH:			3.92
Turbidity (NTU):			4.44
DO (mg/L):			4.45
Fish Habitat Data			
In-water Cover Features:			Vegetation/Woody Debris/Substrate
Sensitive Features:			Groundwater Seep/Spring
Existing Infrastructure:			CSP Culvert
Fish Impediments/Barriers:			Perched Culvert

General Description:

Flat lowland with intermittent groundwater pooling. Permanent watercourse beginning 30 m down gradient, crossing road in culvert.

Fish Species Captured

Method: Electrofishing

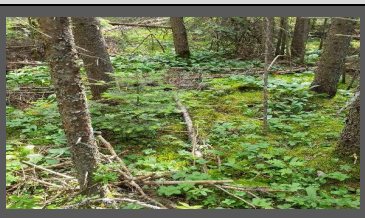
Fish Species Captured: Nil

Fish Habitat Potential Summary

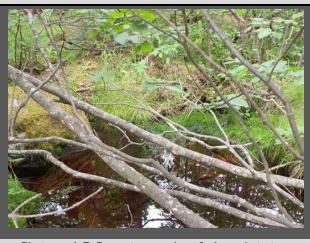
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: East at crossing

Photograph B: West at crossing



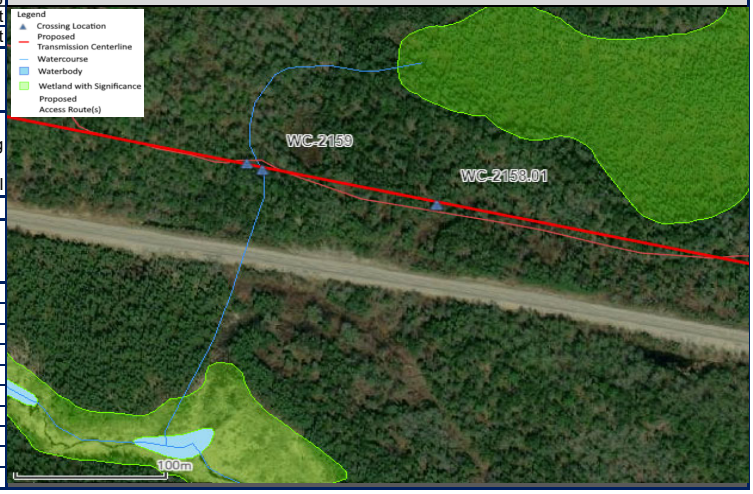
Photograph C: Downstream flat



Photograph D: Downstream perched culvert

Photograph E: Downstream culvert facing substrate

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2157.01**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-12
Alt. Route Segment:				3B / 3C
Coordinates of Crossing:	Lat:	48.90886	Long:	-91.76636
Weather Conditions				
Air Temp (°C):				20
Cloud Cover(%):				50-75
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Low
Reach Data				
Habitat Types:				Pond
Length Assessed (m):				100
Visual Permanency:				Permanent
Pattern :				Round
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Coniferous Forest/Muskeg/Shrubs
Riparian Vegetation SD2:				Coniferous Forest/Muskeg/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.75
Wetted Width (m):				52.95
Bank Height (m):				N/A
Bankfull Width (m):				63
Maximum Depth (m):				<0.75
Substrate at Crossing				
SD1:				Organics/Silt
Bed:				Organics/Silt
SD2:				Organics/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				14.5
Conductivity (µS/cm):				27.43
pH:				5.14
Turbidity (NTU):				0.02
DO (mg/L):				5.77
Fish Habitat Data				
In-water Cover Features:				Aquatic & Overhanging Vegetation/Substrate
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Small waterbody with moderately defined bed and banks, partially confined and stable well vegetated conditions.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ariel view near crossing location

Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2149**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-06
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.81691 Long:	-92.81116
Weather Conditions	
Air Temp (°C):	17
Cloud Cover(%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Moderate
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grasses/Coniferous Forest
Riparian Vegetation RDB:	Grasses/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Site is directly adjacent to the hydro right-of-way. The site was dry with no defined channel.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Groundcover at crossing

Photograph B: Downstream at crossing

Photograph C: 25 m upstream looking downstream

Photograph D: 25 m downstream looking downstream

Photograph E: 50 m downstream looking downstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2130**

Waterbody Name:	McHugh Creek
Waterbody Type:	Watercourse
Date surveyed:	2022-09-25
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.69884 Long:	-92.49375
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Flat
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Winding
Confinement:	Confined
Form:	Open
Stage:	Moderate
Riparian Vegetation LDB:	Grasses
Riparian Vegetation RDB:	Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	1.5
Wetted Width (m):	10
Bank Height (m):	1.25
Bankfull Width (m):	15
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Medium Gravel/Organics/Cobble
Bed:	Organics/Medium Gravel/Cobble/Boulder
RDB:	Organics/Medium Gravel/Cobble/Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.92
Conductivity (µS/cm):	93.57
pH:	7.3
Turbidity (NTU):	8.44
DO (mg/L):	7.24
Fish Habitat Data	
In-water Cover Features:	Vegetation/Substrate/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:
Culvert crossing at Hwy 72, 30 m downstream of watercourse. Permanent watercourse through meadow marsh.

Fish Species Captured

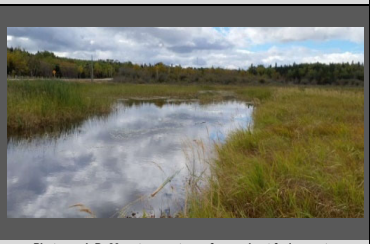
Method:	Minnow Trap, Dip Net
Fish Species Captured:	Unidentified YOYs

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Low	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Low	Low	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Medium	Medium	Medium	Medium

Photograph A: View from culvert outlet facing west

Photograph B: Downstream at crossing



Photograph C: Culvert inlet facing upstream

Photograph D: 30 meters upstream from culvert facing east

Photograph E: 30 meters upstream from culvert facing west

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2129.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-25
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.69824 Long:	-92.49366
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grasses/Muskeg
Riparian Vegetation RDB:	Muskeg/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	10
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.92
Conductivity (µS/cm):	93.57
pH:	7.3
Turbidity (NTU):	8.44
DO (mg/L):	7.24
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Thick Aquatic Vegetation

General Description:
Marsh adjacent to McHugh Creek.

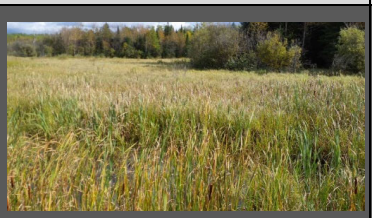
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in vicinity of the crossing

Photograph B: Wetland adjacent to stream

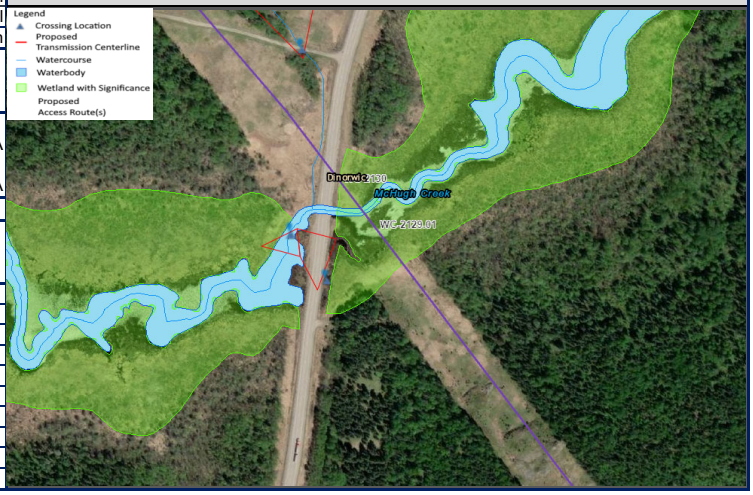


Photograph C: View in vicinity of the crossing

Photograph D: View in vicinity of the crossing

Photograph E: View in vicinity of the crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2126**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-01
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.65859 Long:	-92.43766
Weather Conditions	
Air Temp (°C):	23
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing withn a cedar swamp. No watercourse or waterbody, only small pools of water present.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover

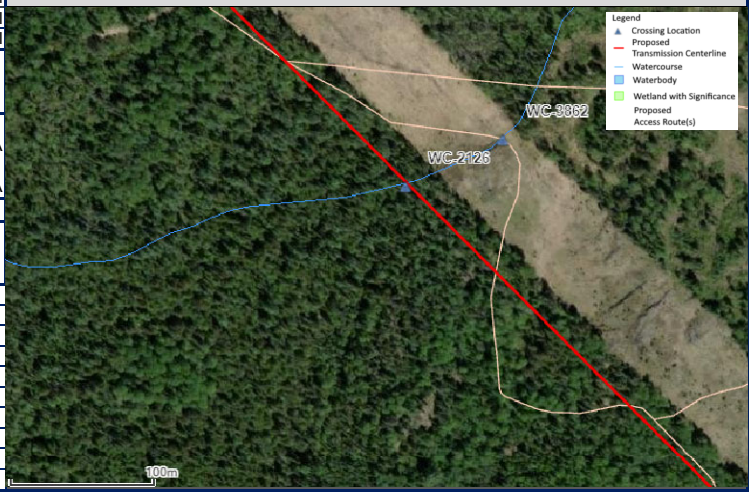
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2120**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-28
Alt. Route Segment:	3A / 3C
Coordinates of Crossing: Lat: 49.59106 Long:	-92.27909
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	Riffle/Run/Flat(DS)
Length Assessed (m):	210
Visual Permanency:	Permanent
Pattern :	Truncated Meander
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Grasses
Riparian Vegetation RDB:	Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.54
Wetted Width (m):	3.4
Bank Height (m):	0.55
Bankfull Width (m):	4.1
Maximum Depth (m):	1.3
Substrate at Crossing	
LDB:	Silt/Organics/Gravel/Sand
Bed:	Silt/Organics/Gravel/Sand
RDB:	Silt/Organics/Fine Sand
Water Quality	
Water Colour:	Tea
Temperature (°C):	5.82
Conductivity (µS/cm):	45.45
pH:	5.76
Turbidity (NTU):	7.8
DO (mg/L):	10.53
Fish Habitat Data	
In-water Cover Features:	Depth/Debris/Vegetation/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Three Culverts
Fish Impediments/Barriers:	Nil

General Description:

Crossing is a riffle transitioning into a run. Well defined banks. Upstream is a flat through a grassland. Downstream is a run through dense alders.

Fish Species Captured

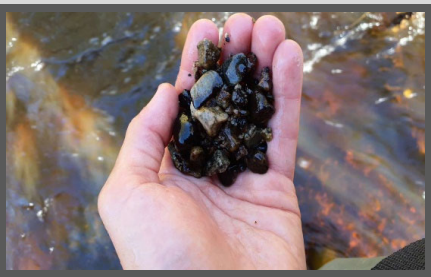
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Low	Low	Low	Low
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Low	Low	Low	Low

Photograph A: Crossing substrate



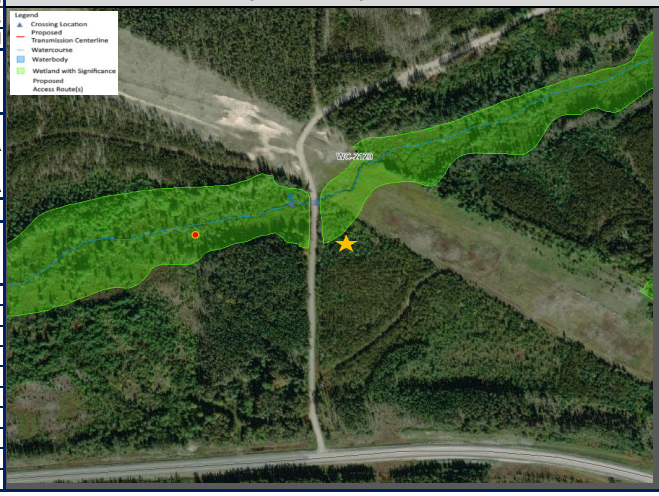
Photograph B: Upstream at water crossing

Photograph C: Downstream at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2114**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-05
Alt. Route Segment:	3A / 3C
Coordinates of Crossing: Lat: 49.56695 Long:	-92.21461
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	South
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossings is dry. There is no defined channel and no water. Approximately 20 m east is WC-3845.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Groundcover at crossing

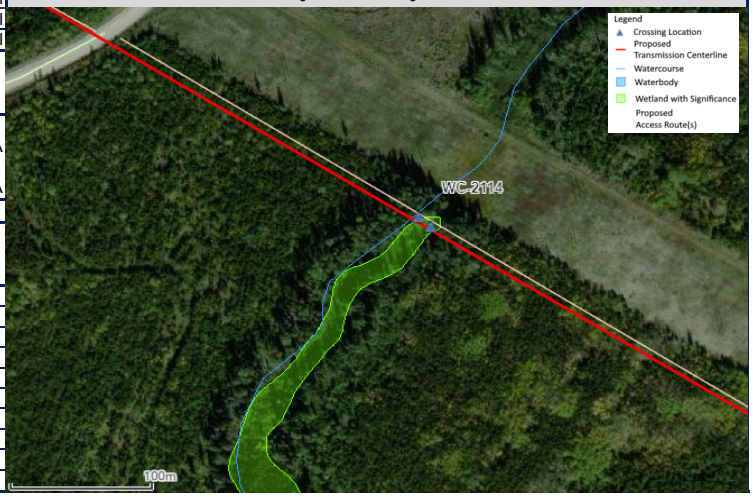
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2111.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-24
Alt. Route Segment:	3A / 3C
Coordinates of Crossing: Lat: 49.54754 Long:	-92.16490
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs
Riparian Vegetation RDB:	Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Alder dominated lowlying area. Ground saturated in places. No defined channel. No watercourse observed within 100m.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Groundcover at crossing

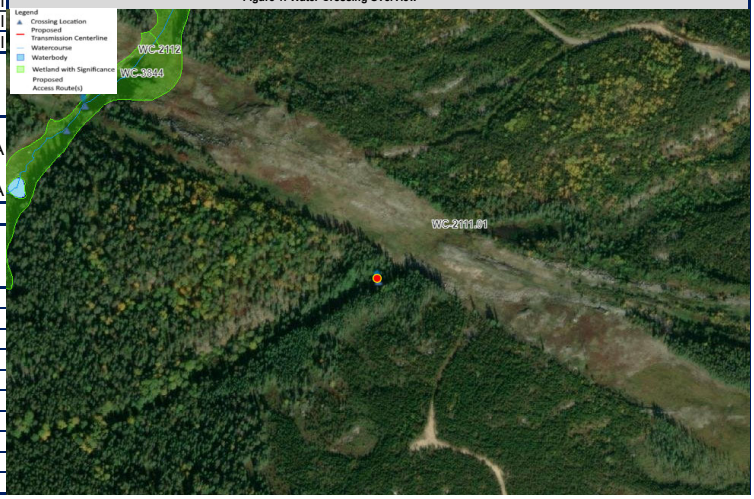
Photograph B: North at crossing

Photograph C: East at crossing

Photograph D: Crossing facing south

Photograph E: West at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2109**

Waterbody Name:				Revell River
Waterbody Type:				Watercourse
Date surveyed:				2022-09-01
Alt. Route Segment:				3A / 3C
Coordinates of Crossing:	Lat:	49.53599	Long:	-92.13673
Weather Conditions				
Air Temp (°C):				23
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Types:				Run/Pool
Length Assessed (m):				190
Visual Permanency:				Permanent
Pattern :				Irregular Meander
Confinement:				Confined
Form:				Incised
Stage:				Low
Riparian Vegetation LDB:				Shrubs/Bare/Grasses
Riparian Vegetation RDB:				Shrubs/Bare/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.97
Wetted Width (m):				5
Bank Height (m):				1.10
Bankfull Width (m):				6.5
Maximum Depth (m):				1.5
Substrate at Crossing				
LDB:				Fine Sand
Bed:				Fine Sand/Organics
RDB:				Fine Sand/Organics
Water Quality				
Water Colour:				Tea
Temperature (°C):				19.2
Conductivity (µS/cm):				84.31
pH:				6.75
Turbidity (NTU):				6.56
DO (mg/L):				9.71
Fish Habitat Data				
In-water Cover Features:				Depth/Woody Debris/Undercut Banks
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Section of Revel River. The river is mostly confined and supports moderate - high flow. Areas of undercut banks, woody debris and erosion.

Fish Species Captured

Method: Electrofishing, Hoop Net

Fish Species Captured:

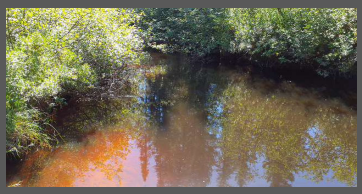
Johnny Darter, Longnose Dace, Lake Chub, White Sucker

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Low	Nil	Low
Northern Pike	Medium	Medium	Medium	Medium
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	High	High	High	High
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Low	Low	Low	Low

Photograph A: Substrate at crossing

Photograph B: Upstream at crossing



Photograph C: Downstream at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Sidechannel directly downstream of crossing

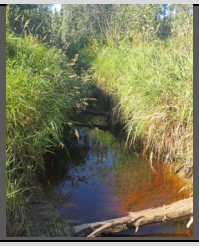


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2108**

Waterbody Name:	Revell River
Waterbody Type:	Watercourse
Date surveyed:	2022-09-01
Alt. Route Segment:	3A / 3C
Coordinates of Crossing:	Lat: 49.53600 Long: -92.13680
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	Run/Pool
Length Assessed (m):	250
Visual Permanency:	Permanent
Pattern :	Irregular Meander
Confinement:	Confined
Form:	Incised
Stage:	Low
Riparian Vegetation LDB:	Shrubs/Coniferous Forest/Bare/Grasses
Riparian Vegetation RDB:	Shrubs/Coniferous Forest/Bare/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	1.05
Wetted Width (m):	7
Bank Height (m):	1.10
Bankfull Width (m):	8.5
Maximum Depth (m):	1.5
Substrate at Crossing	
LDB:	Sand/Silt/Clay/Organics
Bed:	Sand/Silt/Clay/Organics
RDB:	Sand/Silt/Clay/Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.2
Conductivity (µS/cm):	84.31
pH:	6.75
Turbidity (NTU):	6.56
DO (mg/L):	9.71
Fish Habitat Data	
In-water Cover Features:	Depth/Vegetation/Debris/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Section of Revel River. The river is mostly confined and supports moderate - high flow. Areas of undercut banks, woody debris and erosion.

Fish Species Captured

Method: Electrofishing, Hoop Net

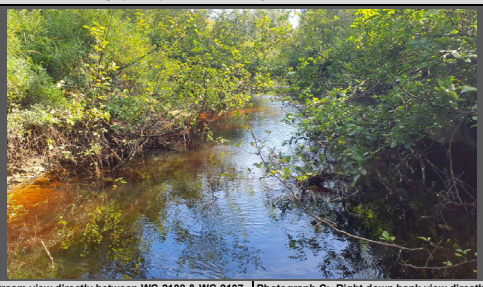
Fish Species Captured:

Johnny Darter, Longnose Dace, Lake Chub, White Sucker

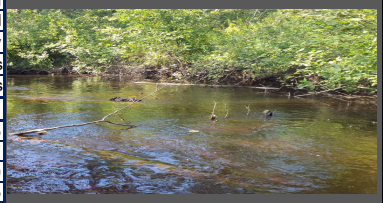
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Low	Nil	Low
Northern Pike	Medium	Medium	Medium	Medium
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	High	High	High	High
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Low	Low	Low	Low

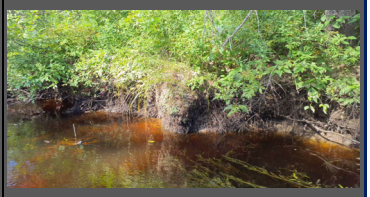
Photograph A: Upstream view directly between WC-2108 & WC-2107



Photograph B: Downstream view directly between WC-2108 & WC-2107



Photograph C: Right down bank view directly between WC-2108 & WC-2107



Photograph D: Left down bank view directly between WC-2108 & WC-2107

Photograph E:

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2107**

Waterbody Name:			Revell River
Waterbody Type:			Watercourse
Date surveyed:			2022-09-02
Alt. Route Segment:			3A / 3C
Coordinates of Crossing:	Lat:	49.53599 Long:	-92.13679
Weather Conditions			
Air Temp (°C):			25
Cloud Cover(%):			<25
Precipitation Amount/Type:			None
Wind Direction:			West
Wind Rate:			Low
Reach Data			
Habitat Types:			Run/Pool
Length Assessed (m):			255
Visual Permanency:			Permanent
Pattern :			Irregular Meander
Confinement:			Confined
Form:			Incised
Stage:			Low
Riparian Vegetation LDB:			Shrubs/Coniferous Forest/Bare/Grasses
Riparian Vegetation RDB:			Shrubs/Coniferous Forest/Bare/Grasses
Channel Morphology Data at Crossing			
Wetted Depth (m):			0.92
Wetted Width (m):			7
Bank Height (m):			1.10
Bankfull Width (m):			8.5
Maximum Depth (m):			1.5
Substrate at Crossing			
LDB:			Sand/Silt/Clay/Organics
Bed:			Sand/Silt/Clay/Organics
RDB:			Sand/Silt/Clay/Organics
Water Quality			
Water Colour:			Tea
Temperature (°C):			19.2
Conductivity (µS/cm):			84.31
pH:			6.75
Turbidity (NTU):			6.56
DO (mg/L):			9.71
Fish Habitat Data			
In-water Cover Features:			Depth/Vegetation/Debris/Undercut Banks
Sensitive Features:			Nil
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Nil

General Description:

Section of Revel River. The river is mostly confined and supports moderate - high flow. Areas of undercut banks, woody debris and erosion.

Fish Species Captured

Method: Electrofishing, Hoop Net

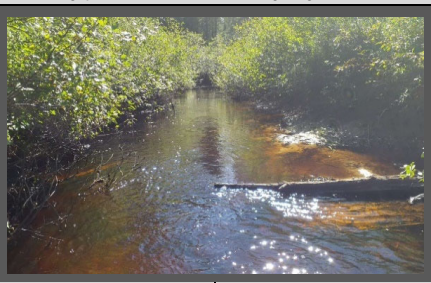
Fish Species Captured:

Johnny Darter, Longnose Dace, Lake Chub, White Sucker

Fish Habitat Potential Summary

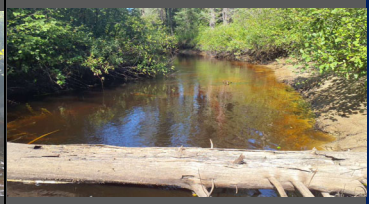
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Low	Nil	Low
Northern Pike	Medium	Medium	Medium	Medium
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	High	High	High
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Low	Low	Low	Low

Photograph A: 50 m downstream from crossing facing downstream



Photograph B: Upstream view approximately 100 m downstream from crossing

Photograph C: Downstream view approximately 100 m downstream form crossing



Photograph D: Right down bank view 100 m downstream from crossing

Photograph E: Left down bank view approximately 100 m downstream from crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2106**

Waterbody Name:			Revell River
Waterbody Type:			Watercourse
Date surveyed:			2022-08-30
Alt. Route Segment:			3A / 3C
Coordinates of Crossing:	Lat:	49.53754 Long:	-92.13741
Weather Conditions			
Air Temp (°C):			13
Cloud Cover(%):			<25
Precipitation Amount/Type:			None
Wind Direction:			Northwest
Wind Rate:			Low
Reach Data			
Habitat Types:			Run/Pool(DS)
Length Assessed (m):			260
Visual Permanency:			Permanent
Pattern :			Irregular Meander
Confinement:			Confined
Form:			Neutral
Stage:			Moderate
Riparian Vegetation LDB:			Coniferous Forest/Shrubs/Grasses
Riparian Vegetation RDB:			Coniferous Forest/Shrubs/Grasses
Channel Morphology Data at Crossing			
Wetted Depth (m):			1.2
Wetted Width (m):			8
Bank Height (m):			1.90
Bankfull Width (m):			10.25
Maximum Depth (m):			>2
Substrate at Crossing			
LDB:			Cobble/Fine Sand/Boulder
Bed:			Fine Sand/Silt/Clay/Organics
RDB:			Fine Sand/Organics
Water Quality			
Water Colour:			Tea
Temperature (°C):			19.2
Conductivity (µS/cm):			84.31
pH:			6.75
Turbidity (NTU):			6.56
DO (mg/L):			9.71
Fish Habitat Data			
In-water Cover Features:			Depth/Overhanging Vegetation/Woody Debris
Sensitive Features:			Nil
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Nil

General Description:

Section of meandering Revel River. Large well-defined channel. Mostly stable channel conditions. Evidence of exposed roots.

Fish Species Captured

Method: Electrofishing, Hoop Net

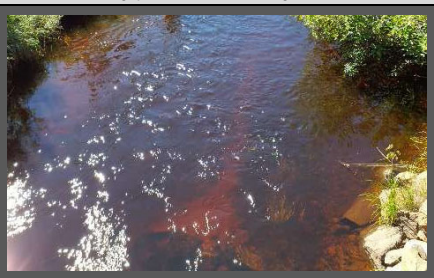
Fish Species Captured:

Johnny Darter, Longnose Dace, Lake Chub, White Sucker

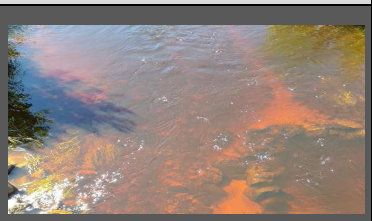
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Low	Low	Medium	Low
Eel/Lamprey	Nil	Low	Low	Medium
Northern Pike	Medium	Medium	Medium	High
Perch	Medium	Medium	Medium	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	High	High	Medium
Trout/Whitefish	Low	Low	Medium	Low
Walleye	Low	Low	Low	Medium
Forage Species	High	High	High	High
Other	Low	Low	Medium	Medium

Photograph A: Ariel view near crossing location



Photograph B: Substrate 70 meters upstream

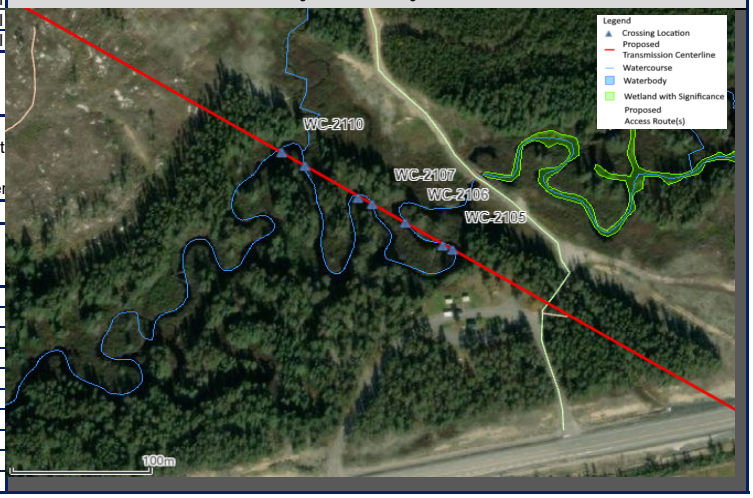


Photograph C: Downstream at crossing

Photograph D: Upstream at crossing

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2105**

Waterbody Name:	Revell River
Waterbody Type:	Watercourse
Date surveyed:	2022-08-31
Alt. Route Segment:	3A / 3C
Coordinates of Crossing:	Lat: 49.53753 Long: -92.13738
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	Run/Pool(DS)
Length Assessed (m):	260
Visual Permanency:	Permanent
Pattern :	Irregular Meander
Confinement:	Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Bare/Grasses
Riparian Vegetation RDB:	Shrubs/Bare/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	1.2
Wetted Width (m):	8
Bank Height (m):	1.90
Bankfull Width (m):	10.25
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Sand/Silt/Clay/Organics
Bed:	Sand/Gravel/Silt/Clay/Organics
RDB:	Sand/Silt/Clay/Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.2
Conductivity (µS/cm):	84.31
pH:	6.75
Turbidity (NTU):	6.56
DO (mg/L):	9.71
Fish Habitat Data	
In-water Cover Features:	Depth/Overhanging Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Is a section of the meandering Revel River. The river is mostly confined by deep banks that are undercut or slumping and has areas of heavy erosion.

Fish Species Captured

Method: Electrofishing, Hoop Net

Fish Species Captured:

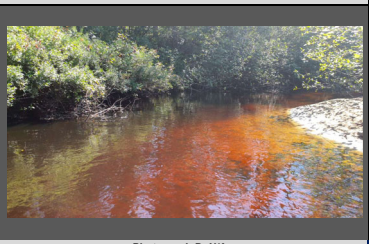
Johnny Darter, Longnose Dace, Lake Chub, White Sucker

Fish Habitat Potential Summary

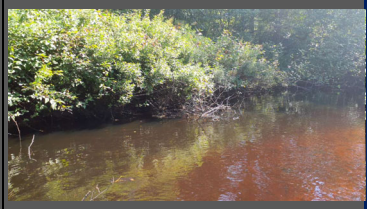
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Low	Low	Medium	Low
Eel/Lamprey	Nil	Low	Low	Low
Northern Pike	Medium	Medium	Medium	Medium
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Medium
Trout/Whitefish	Low	Low	Medium	Low
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Low	Low	Low	Low

Photograph A: Upstream at crossing .

Photograph B: Downstream at crossing



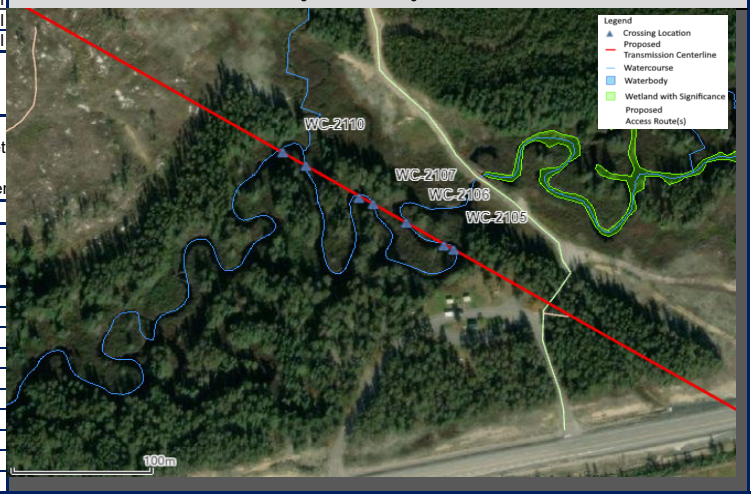
Photograph C: Left down bank at crossing



Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2103.01**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-09-20
Alt. Route Segment:				3A / 3C
Coordinates of Crossing:	Lat:	49.53016	Long:	-92.12075
Weather Conditions				
Air Temp (°C):				18
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Types:				Subsurface Flow/Run(US)/Cascade(DS)
Length Assessed (m):				177
Visual Permanency:				Permanent
Pattern :				Winding
Confinement:				Frequently Confined
Form:				Irregular
Stage:				Low
Riparian Vegetation LDB:				Shrubs/Mixed Forest/Grasses
Riparian Vegetation RDB:				Shrubs/Mixed Forest/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.14
Wetted Width (m):				0.8
Bank Height (m):				0.85
Bankfull Width (m):				0.95
Maximum Depth (m):				0.27
Substrate at Crossing				
LDB:				Fine Sand/Silt/Boulder
Bed:				Fine Sand/Organics/Boulder
RDB:				Fine Sand/Organics/Boulder
Water Quality				
Water Colour:				Clear
Temperature (°C):				11.6
Conductivity (µS/cm):				21.28
pH:				5.73
Turbidity (NTU):				0
DO (mg/L):				10.33
Fish Habitat Data				
In-water Cover Features:				Vegetation/Woody Debris/Undercut Banks
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow/Drop

General Description:

Begins as a run then moves subsurface. At 102 m downstream turns into a cascade, becomes confined forming a ravine, then continues as a run.

Fish Species Captured

Method: N/A

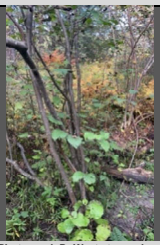
Fish Species Captured: N/A

Fish Habitat Potential Summary

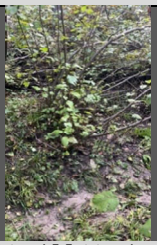
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground at crossing

Photograph B: North at crossing



Photograph C: South at crossing



Photograph D: West at crossing

Photograph E: East at crossing

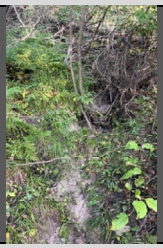
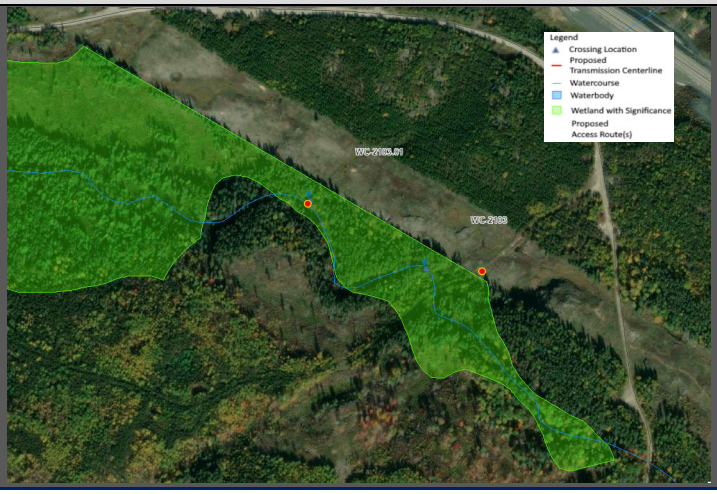


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2103**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-09-20
Alt. Route Segment:				3A / 3C
Coordinates of Crossing:	Lat:	49.52941	Long:	-92.11783
Weather Conditions				
Air Temp (°C):				17
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Types:				Run(US)/Subsurface Flow
Length Assessed (m):				164
Visual Permanency:				Permanent
Pattern :				N/A
Confinement:				Confined
Form:				Neutral
Stage:				Low
Riparian Vegetation LDB:				Shrubs/Mixed Forest/Grasses
Riparian Vegetation RDB:				Shrubs/Mixed Forest/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.09
Wetted Width (m):				0.59
Bank Height (m):				0.67
Bankfull Width (m):				1.25
Maximum Depth (m):				0.28
Substrate at Crossing				
LDB:				Fine and Coarse Sand/Boulder
Bed:				Fine and Coarse Sand/Organics/Boulder
RDB:				Fine and Coarse Sand/Organics/Boulder
Water Quality				
Water Colour:				Clear
Temperature (°C):				12.07
Conductivity (µS/cm):				21.89
pH:				5.79
Turbidity (NTU):				0
DO (mg/L):				9.38
Fish Habitat Data				
In-water Cover Features:				Undercut Banks/Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Drop

General Description:

Upstream is a run that goes into subsurface flow. Downstream has sections of small shallow pools and subsurface flow.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

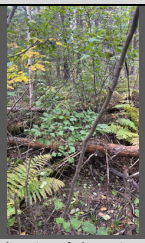
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

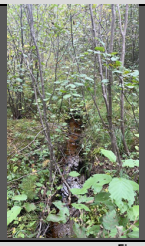
Photograph A: Substrate and bank vegetation cover

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing



Photograph D: 50 m upstream facing downstream



Photograph E: 25 m downstream facing upstream

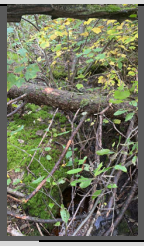


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2101**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-25
Alt. Route Segment:	3A / 3C
Coordinates of Crossing: Lat: 49.52247 Long:	-92.10198
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel/Subsurface Flow(US)/Run(DS)
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs
Riparian Vegetation RDB:	Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Alder swamp with no defined channel or banks. Subsurface flow upstream and a small channel begins 100 m downstream.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Vegetation cover

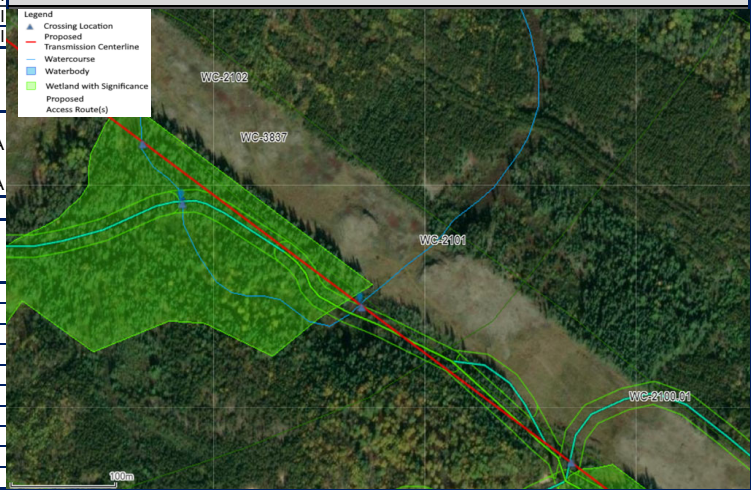
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2093**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-24
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.48676 Long:	-92.02479
Weather Conditions	
Air Temp (°C):	27
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Coniferous Forest/Bare
Riparian Vegetation RDB:	Coniferous Forest/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing has no channel or water. Located in a conferous forest stand with little to no ground cover.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

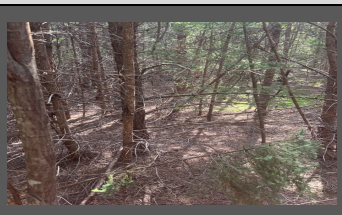
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

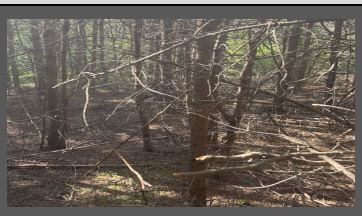
Photograph A: Ground at crossing

Photograph B: North at crossing

Photograph C: South at crossing



Photograph D: West at crossing



Photograph E: East at crossing

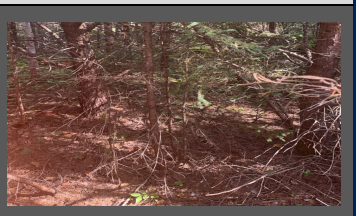


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2092**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-28
Alt. Route Segment:	3A
Coordinates of Crossing:	Lat: 49.48545 Long: -92.02112
Weather Conditions	
Air Temp (°C):	8
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	50
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Muskeg
Riparian Vegetation RDB:	Mixed Forest/Shrubs/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.02
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	0.05
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Dense Terrestrial Vegetation

General Description:

Thicket mixed forest. No water or flow present. Originates as wetland/undefined flow.

Fish Species Captured

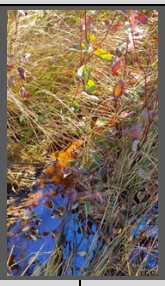
Method: N/A

Fish Species Captured: N/A

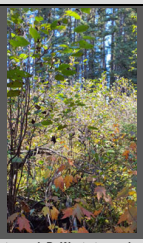
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

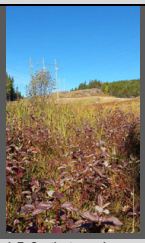
Photograph A: Groundcover at crossing



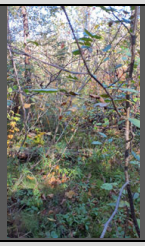
Photograph B: North at crossing



Photograph C: East at crossing



Photograph D: West at crossing



Photograph E: South at crossing

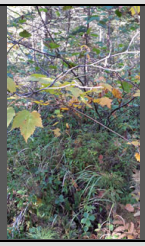
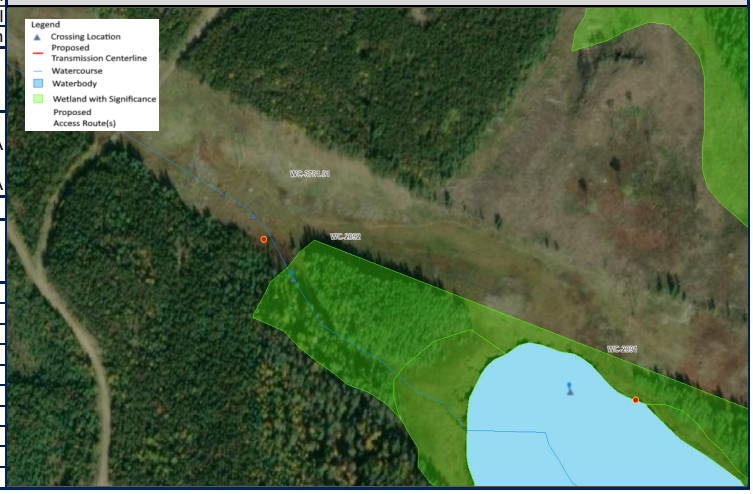


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2091**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-23
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.48444 Long:	-92.01734
Weather Conditions	
Air Temp (°C):	27
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Types:	Lake
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Flat
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Grasses
Riparian Vegetation SD2:	Muskeg/Grasses/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m)[k]:	160
Bank Height (m):	0.50
Bankfull Width (m)[k]:	180
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Organics/Silt/Bedrock
Bed:	Organics/Silt/Bedrock
SD2:	Organics/Silt/Bedrock
Water Quality	
Water Colour:	Tea
Temperature (°C):	24.13
Conductivity (µS/cm):	30.61
pH:	6.84
Turbidity (NTU):	7.67
DO (mg/L):	9.42
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Substrate/Woody Debris
Sensitive Features:	Permanent inflowing tributary
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is on a lake directly south of the right-of-way. It has one small inlet and outlet but no flow is visible at the mouths.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Low
Other	Low	Low	Nil	Low

Photograph A: South at crossing

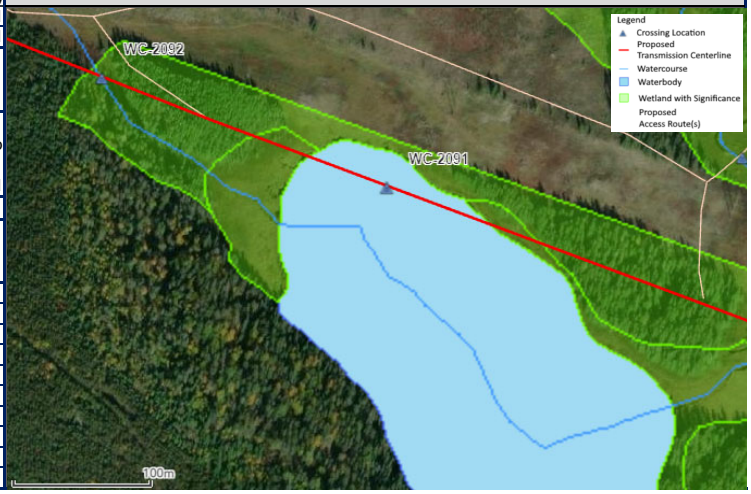
Photograph B: N/A

Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2090**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-24
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.48360 Long:	-92.01439
Weather Conditions	
Air Temp (°C):	26
Cloud Cover(%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel(US)/Impoundment(US)/Run/Flat(DS)
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Winding
Confinement:	Unconfined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Grasses/Muskeg
Riparian Vegetation RDB:	Shrubs/Grasses/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.18
Wetted Width (m):	0.25
Bank Height (m):	0.24
Bankfull Width (m):	0.75
Maximum Depth (m):	0.45
Substrate at Crossing	
LDB:	Organics/Silt/Sand
Bed:	Organics/Silt/Sand
RDB:	Organics/Silt/Sand
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.59
Conductivity (µS/cm):	45.7
pH:	6.28
Turbidity (NTU):	6.88
DO (mg/L):	1.21
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Drop/Beaver Dam

General Description:

The upstream reach is a wetland with an undefined channel turning into a run. The downstream reach turns into a flat, then into another run.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Low	Low	Low	Low
Eel/Lamprey	Low	Low	Low	Low
Northern Pike	Low	Low	Low	Low
Perch	Low	Low	Low	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Medium	Medium	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Low
Forage Species	High	High	High	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Left down bank at crossing

Photograph E: Right down bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2088.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-23
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.47671 Long:	-91.98640
Weather Conditions	
Air Temp (°C):	27
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Grasses
Riparian Vegetation RDB:	Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.21
Conductivity (µS/cm):	23.85
pH:	5.9
Turbidity (NTU):	60.17
DO (mg/L):	0.7
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

No defined channel some stagnant pools. Saturated shrubs and swamp.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial view of Substrate

Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2087.01**

Waterbody Name:			Unnamed
Waterbody Type:			No Defined Channel
Date surveyed:			2022-07-31
Alt. Route Segment:			3A
Coordinates of Crossing:	Lat:	49.43872 Long:	-91.88789
Weather Conditions			
Air Temp (°C):			20
Cloud Cover(%):			75-100
Precipitation Amount/Type:			Light Rain
Wind Direction:			South
Wind Rate:			Low
Reach Data			
Habitat Types:			No Defined Channel/Pool(DS)
Length Assessed (m):			100
Visual Permanency:			Non-Permanent
Pattern :			N/A
Confinement:			N/A
Form:			N/A
Stage:			N/A
Riparian Vegetation LDB:			Mixed Forest/Shrubs/Grasses
Riparian Vegetation RDB:			Mixed Forest/Shrubs/Grasses
Channel Morphology Data at Crossing			
Wetted Depth (m):			N/A
Wetted Width (m):			N/A
Bank Height (m):			N/A
Bankfull Width (m):			N/A
Maximum Depth (m):			N/A
Substrate at Crossing			
LDB:			N/A
Bed:			N/A
RDB:			N/A
Water Quality			
Water Colour:			Tea
Temperature (°C):			N/A
Conductivity (µS/cm):			N/A
pH:			N/A
Turbidity (NTU):			N/A
DO (mg/L):			N/A
Fish Habitat Data			
In-water Cover Features:			Nil
Sensitive Features:			Iron Staining/Groundwater Seep/Spring
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Nil

General Description:

Dry channel upstream and downstream of crossing. Downstream groundwater pool present with iron staining evident, appears intermittent.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Pooled water with iron staining

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2087**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-18
Alt. Route Segment:	3A
Coordinates of Crossing:	Lat: 49.42676 Long: -91.87316
Weather Conditions	
Air Temp (°C):	13
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs/Coniferous Forest/Grasses
Riparian Vegetation RDB:	Muskeg/Shrubs/Coniferous Forest/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.7
Conductivity (µS/cm):	29.28
pH:	6.15
Turbidity (NTU):	7.72
DO (mg/L):	6.05
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing exists within a swamp west of the ROW, no flowing water or defined channel. Stagnant pools are present, recent rain when sampled.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 50 metres downstream looking out from forest - flooded grassland

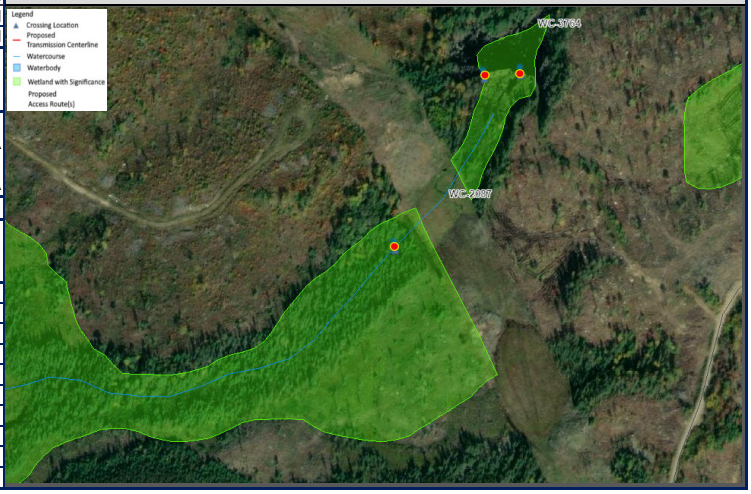
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2086**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-19
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.42252 Long:	-91.86971
Weather Conditions	
Air Temp (°C):	16
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	Pond
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Moderate
Stage:	Low
Riparian Vegetation SD1:	Grasses/Bare
Riparian Vegetation SD2:	Grasses/Shrubs/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m):	51.9
Bank Height (m):	N/A
Bankfull Width (m):	56.4
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Silt/Organics
Bed:	Silt/Organics
SD2:	Silt/Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	21.5
Conductivity (µS/cm):	19.79
pH:	5.16
Turbidity (NTU):	3.52
DO (mg/L):	5.85
Fish Habitat Data	
In-water Cover Features:	Depth/Woody Debris/Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is a large pond with sloping banks. An outlet is visible at the west end and connects to a smaller pond.

Fish Species Captured

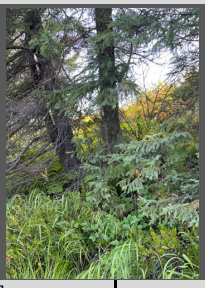
Method: Minnow Trap

Fish Species Captured: Nil

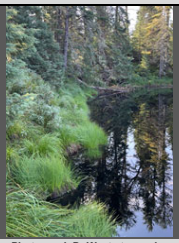
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwinternig
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Nil

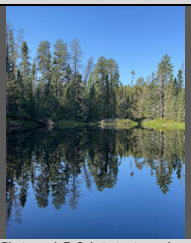
Photograph A: North at crossing



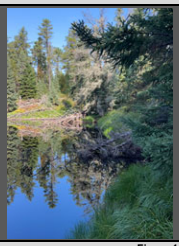
Photograph B: East at crossing



Photograph C: South at crossing



Photograph D: West at crossing



Photograph E: Substrate at crossing

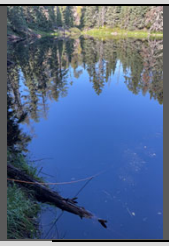
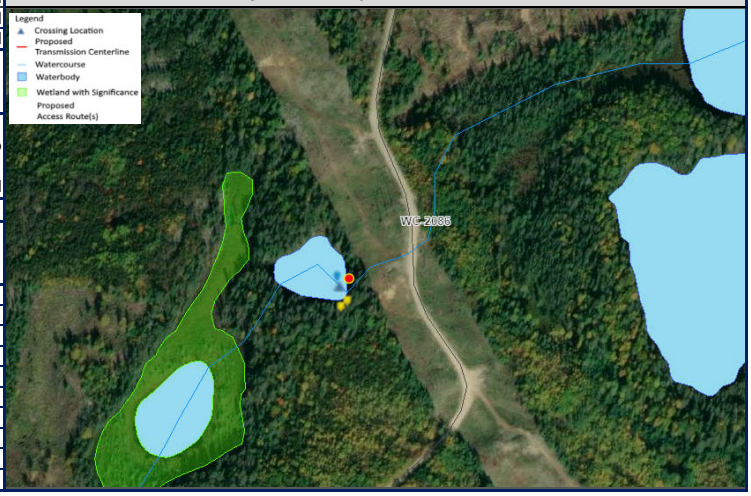


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2085.02**

Waterbody Name:			Unnamed
Waterbody Type:			No Defined Channel
Date surveyed:			2022-09-16
Alt. Route Segment:			3A
Coordinates of Crossing:	Lat:	49.41688 Long:	-91.86351
Weather Conditions			
Air Temp (°C):			12
Cloud Cover(%):			75-100
Precipitation Amount/Type:			Moderate Rain
Wind Direction:			Northwest
Wind Rate:			Low
Reach Data			
Habitat Types:			No Defined Channel
Length Assessed (m):			100
Visual Permanency:			Non-Permanent
Pattern :			N/A
Confinement:			N/A
Form:			N/A
Stage:			N/A
Riparian Vegetation LDB:			Mixed Forest/Shrubs/Grasses
Riparian Vegetation RDB:			Mixed Forest/Shrubs/Grasses
Channel Morphology Data at Crossing			
Wetted Depth (m):			<0.1
Wetted Width (m):			N/A
Bank Height (m):			N/A
Bankfull Width (m):			N/A
Maximum Depth (m):			<0.1
Substrate at Crossing			
LDB:			N/A
Bed:			N/A
RDB:			N/A
Water Quality			
Water Colour:			Tea
Temperature (°C):			12.08
Conductivity (µS/cm):			19.19
pH:			4.86
Turbidity (NTU):			1.57
DO (mg/L):			6.95
Fish Habitat Data			
In-water Cover Features:			Depth/Woody Debris/Vegetation/Substrate
Sensitive Features:			Nil
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Nil

General Description:

Crossing has no chanel but has some pooled water. On the edge of wetland and mixed forest community with sphagnum.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: East at crossing

Photograph C: South at crossing

Photograph D: Cattail marsh southeast of crossings

Photograph E: Pooled area

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2085.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-09-16
Alt. Route Segment:				3A
Coordinates of Crossing:	Lat:	49.41689	Long:	-91.86351
Weather Conditions				
Air Temp (°C):				13
Cloud Cover(%):				75-100
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				Northwest
Wind Rate:				Low
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Mixed Forest/Shrubs/Grasses
Riparian Vegetation RDB:				Mixed Forest/Shrubs/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.1
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				<0.1
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				12.08
Conductivity (µS/cm):				19.19
pH:				4.86
Turbidity (NTU):				1.57
DO (mg/L):				6.95
Fish Habitat Data				
In-water Cover Features:				Depth/Woody Debris/Vegetation/Substrate
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Crossing has no chanel but has some small pooled water due to rainfall. On the edge of marsh and mixed forest community with sphagnum.

Fish Species Captured

Method: N/A

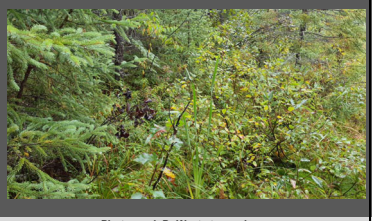
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground cover at crossing

Photograph B: North at crossing



Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2085**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-16
Alt. Route Segment:	3A
Coordinates of Crossing:	Lat: 49.41691 Long: -91.86355
Weather Conditions	
Air Temp (°C):	13
Cloud Cover(%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	Riffle/Run/Pool(DS)/Subsurface Flow(DS)
Length Assessed (m):	210
Visual Permanency:	Permanent
Pattern :	Irregular Meander
Confinement:	Occasionally Confined
Form:	Incised
Stage:	High
Riparian Vegetation LDB:	Deciduous Forest/Shrubs/Grasses
Riparian Vegetation RDB:	Deciduous Forest/Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.24
Wetted Width (m):	0.71
Bank Height (m):	0.21
Bankfull Width (m):	1
Maximum Depth (m):	0.42
Substrate at Crossing	
LDB:	Cobble/Boulder/Sand/Gravel/Organics
Bed:	Organics/Silt/Boulder
RDB:	Organics/Silt/Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	10.38
Conductivity (µS/cm):	29.11
pH:	4.65
Turbidity (NTU):	3.04
DO (mg/L):	7.83
Fish Habitat Data	
In-water Cover Features:	Depth/Woody Debris/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Meandering stream with significant flow likely due to heavy recent rainfall. South it flows along right-of-way than goes undefined then subsurface.

Fish Species Captured

Method: Electrofishing

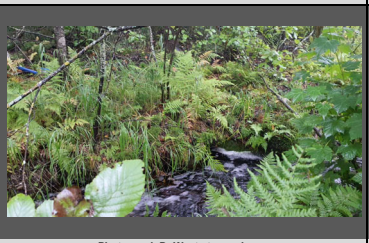
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Low	Low	Low	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

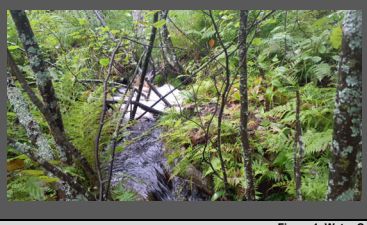
Photograph A: South at crossing

Photograph B: North at crossing



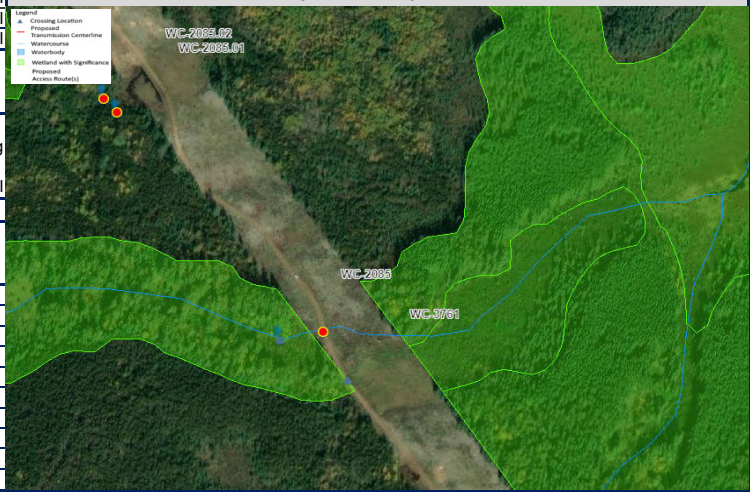
Photograph C: East at crossing

Photograph D: West at crossing



Photograph E: Downstream view roughly 50 meters upstream of crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2082.01**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-08-03
Alt. Route Segment:				3A
Coordinates of Crossing:	Lat:	49.37085	Long:	-91.83020
Weather Conditions				
Air Temp (°C):				18
Cloud Cover(%):				75-100
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				Southwest
Wind Rate:				Moderate
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Grasses/Bare/Mixed Forest/Shrubs
Riparian Vegetation RDB:				Grasses/Bare/Mixed Forest/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.25
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				0.3
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				20.89
Conductivity (µS/cm):				22.19
pH:				5.28
Turbidity (NTU):				16.43
DO (mg/L):				6.37
Fish Habitat Data				
In-water Cover Features:				Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Crossing site exists as a low-lying wetland in a highly disturbed logging parcel. No channelized inlet or outlets observed.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

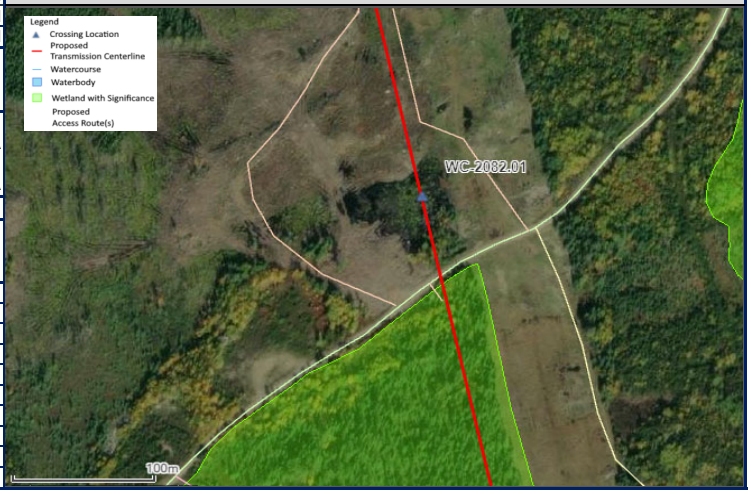
Photograph B: East at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: Substrate at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2082**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-08-03
Alt. Route Segment:				3A
Coordinates of Crossing:	Lat:	49.36580	Long:	-91.82831
Weather Conditions				
Air Temp (°C):				18
Cloud Cover(%):				75-100
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Types:				Run(DS)
Length Assessed (m):				150
Visual Permanency:				Permanent
Pattern :				Winding
Confinement:				Unconfined
Form:				Incised
Stage:				Moderate
Riparian Vegetation LDB:				Shrubs/Grasses/Coniferous Forest
Riparian Vegetation RDB:				Shrubs/Grasses/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.32
Wetted Width (m):				12
Bank Height (m):				0.17
Bankfull Width (m):				0.6
Maximum Depth (m):				0.55
Substrate at Crossing				
LDB:				Organics
Bed:				Silt/Cobble/Boulder/Sand
RDB:				Organics
Water Quality				
Water Colour:				Clear
Temperature (°C):				19.87
Conductivity (µS/cm):				18.44
pH:				4.97
Turbidity (NTU):				64.05
DO (mg/L):				0.71
Fish Habitat Data				
In-water Cover Features:				Overhanging Vegetation/ Aquatic Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Drop

General Description:

Small permanent watercourse with poorly defined bed and banks, unconfined and stable channel conditions.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Pearl Dace, Finescale Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2081**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-27
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.35924 Long:	-91.82614
Weather Conditions	
Air Temp (°C):	5
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Run(US)/Pool
Length Assessed (m):	150
Visual Permanency:	Permanent
Pattern :	Straight
Confinement:	Confined
Form:	Open
Stage:	Moderate
Riparian Vegetation LDB:	Coniferous Forest
Riparian Vegetation RDB:	Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.26
Wetted Width (m):	1.3
Bank Height (m):	0.50
Bankfull Width (m):	3
Maximum Depth (m):	0.34
Substrate at Crossing	
LDB:	Organics/Cobble
Bed:	Bedrock/Boulder
RDB:	Bedrock/Boulder/Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	11.27
Conductivity (µS/cm):	20.32
pH:	5.38
Turbidity (NTU):	1.69
DO (mg/L):	2.95
Fish Habitat Data	
In-water Cover Features:	Substrate/Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:

Located downstream of beaver dam. Transitions from undefined/braided flow to a defined channel and ends as a marsh inlet of a lake.

Fish Species Captured

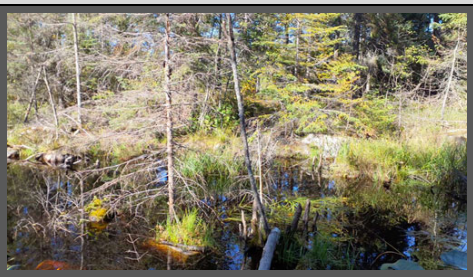
Method: N/A

Fish Species Captured: N/A

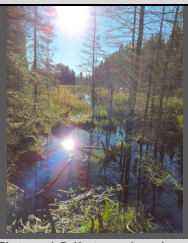
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Low	Medium
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	High	High	Medium	High
Other	Low	Low	Low	Medium

Photograph A: North at crossing

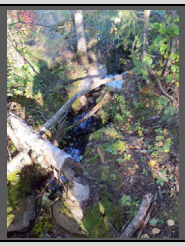


Photograph B: East at crossing



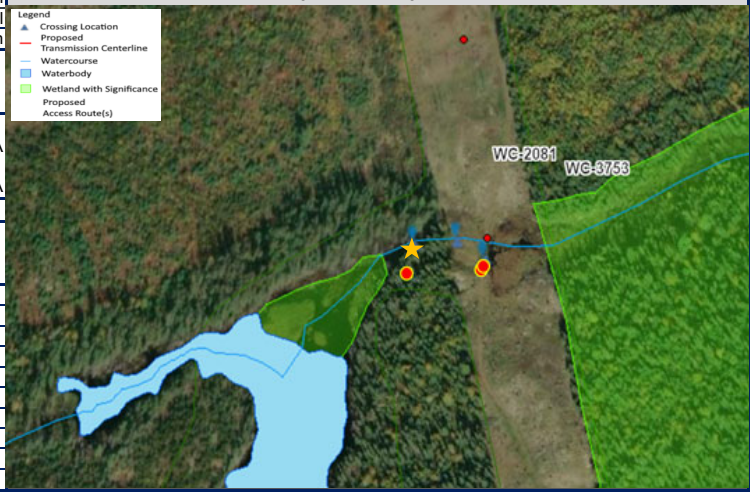
Photograph C: West at crossing

Photograph D: Upstream channel



Photograph E: Down at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2080**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-02
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.34521 Long:	-91.81957
Weather Conditions	
Air Temp (°C):	26
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	Lake
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Flat
Stage:	Low
Riparian Vegetation SD1:	Bare/Shrubs/Grasses
Riparian Vegetation SD2:	Bare/Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m)[k]:	200
Bank Height (m):	0.60
Bankfull Width (m)[k]:	201
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Organics/Fine Sand/Silt/Clay/Boulder
Bed:	Boulder/Silt
SD2:	Organics/Fine Sand/Silt/Clay/Boulder
Water Quality	
Water Colour:	Clear
Temperature (°C):	22.9
Conductivity (µS/cm):	27.28
pH:	N/A
Turbidity (NTU):	5.69
DO (mg/L):	5.07
Fish Habitat Data	
In-water Cover Features:	Depth/Aquatic Vegetation
Sensitive Features:	Shoals
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Large lake with well-defined bed and banks, confined and stable conditions. Rocky shoreline forms shoals off southern shore.

Fish Species Captured

Method: Angling, Minnow Trap

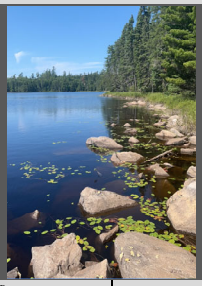
Fish Species Captured:

Johnny Darter, Yellow Perch, Northern Pike (observed)

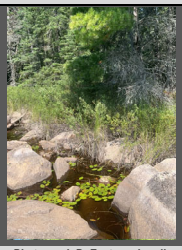
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Medium	Medium	Medium	Medium
Eel/Lamprey	Low	Low	Low	Low
Northern Pike	High	High	High	High
Perch	High	High	High	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Medium
Trout/Whitefish	Low	Low	Low	Medium
Walleye	Medium	Medium	Medium	Medium
Forage Species	High	High	High	High
Other	High	High	High	High

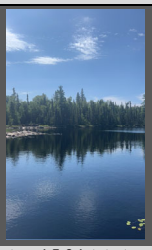
Photograph A: Western shoreline



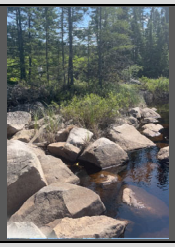
Photograph B: North at crossing



Photograph C: South at crossing



Photograph D: Eastern shoreline



Photograph E: Substrate at crossing

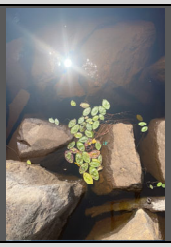
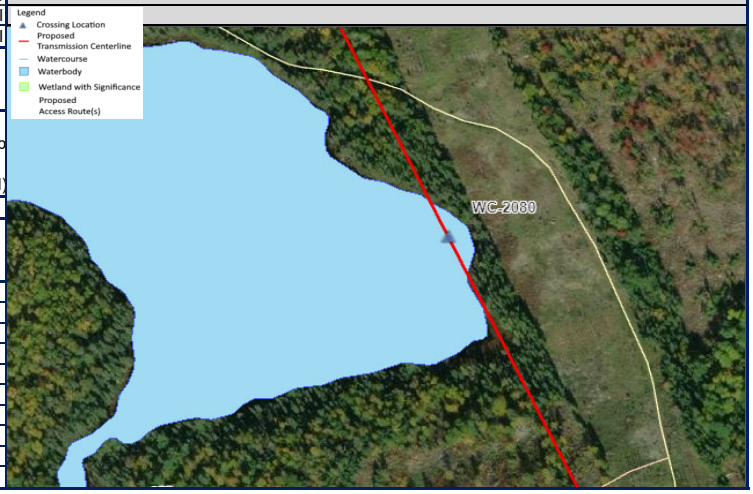


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2079**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-08-01
Alt. Route Segment:				3A
Coordinates of Crossing:	Lat:	49.31943	Long:	-91.81071
Weather Conditions				
Air Temp (°C):				25
Cloud Cover(%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Types:				Pond
Length Assessed (m):				21
Visual Permanency:				Permanent
Pattern :				Round
Confinement:				N/A
Slope:				Flat
Stage:				High
Riparian Vegetation SD1:				Grasses
Riparian Vegetation SD2:				Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.75
Wetted Width (m):				15
Bank Height (m):				0.28
Bankfull Width (m):				21
Maximum Depth (m):				1.5
Substrate at Crossing				
SD1:				Organics/Boulder/Silt
Bed:				Organics/Boulder/Silt
SD2:				Organics/Boulder/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				23.28
Conductivity (µS/cm):				20.69
pH:				5.7
Turbidity (NTU):				12.03
DO (mg/L):				7.87
Fish Habitat Data				
In-water Cover Features:				Depth/ Aquatic Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Small waterbody with well-defined bed and banks, stable conditions.

Fish Species Captured

Method: Minnow Trap

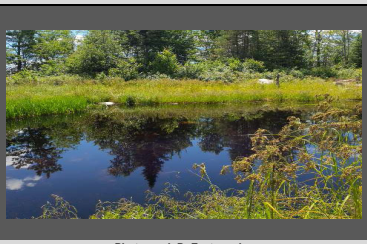
Fish Species Captured: Nil

Fish Habitat Potential Summary

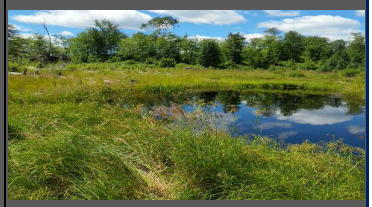
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwinterning
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Northern shore

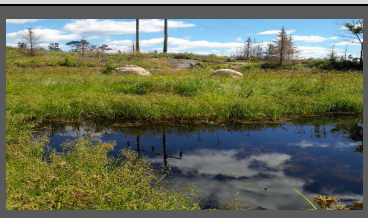
Photograph B: Southern shore



Photograph C: Western shore

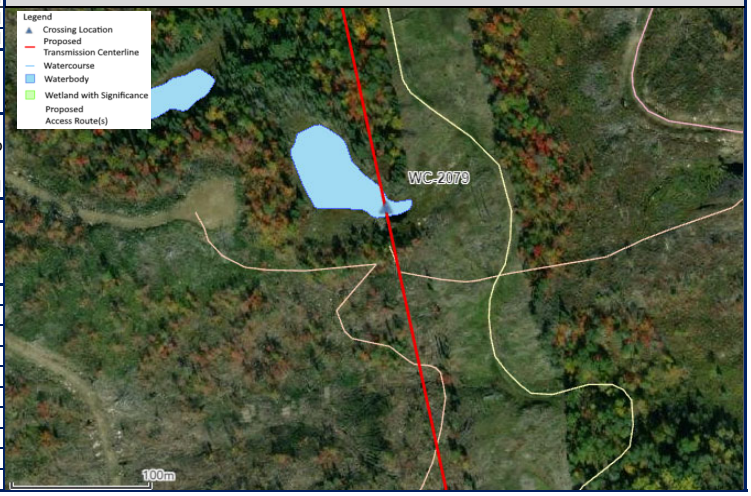


Photograph D: Eastern shore



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2076.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-31
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.29204 Long:	-91.79822
Weather Conditions	
Air Temp (°C):	22
Cloud Cover(%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Mixed Forest/Grasses/Shrubs
Riparian Vegetation RDB:	Muskeg/Mixed Forest/Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	13.79
Conductivity (µS/cm):	17.37
pH:	4.96
Turbidity (NTU):	3.33
DO (mg/L):	2.72
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

The crossing is between two steep bedrock slopes to the north and south. There is no defined channel, only small pockets of water in muskeg.

Fish Species Captured

Method: N/A

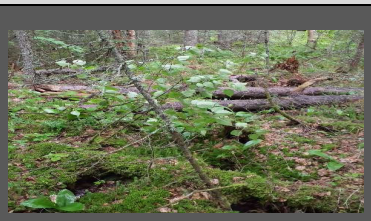
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

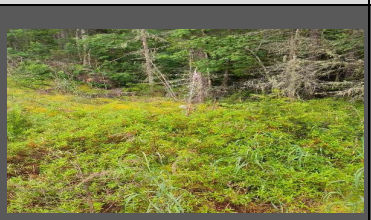
Photograph A: Ground at crossing

Photograph B: East at crossing



Photograph C: West at crossing

Photograph D: Upslope 25 meters facing crossing



Photograph E: Downslope 25 meters facing crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2075**

Waterbody Name:	Bigwalk Lake
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-31
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.28191 Long:	-91.79125
Weather Conditions	
Air Temp (°C):	22
Cloud Cover(%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	Lake
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Coniferous Forest/Shrubs/Bare
Riparian Vegetation SD2:	Coniferous Forest/Shrubs/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m)[k]:	180
Bank Height (m):	0.40
Bankfull Width (m)[k]:	181
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Bedrock/Organics/Clay/Silt/Fine Sand
Bed:	Bedrock/Boulder/Cobble/Sand
SD2:	Bedrock/Organics/Clay/Silt/Fine Sand
Water Quality	
Water Colour:	Clear
Temperature (°C):	22.23
Conductivity (µS/cm):	13.99
pH:	6.58
Turbidity (NTU):	1.76
DO (mg/L):	7.89
Fish Habitat Data	
In-water Cover Features:	Depth/Vegetation
Sensitive Features:	Permanent inflowing tributary
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is located on a moderate sized lake at its narrowest point, with bays to the east and west. An inlet exists on the Northwestern shoreline.

Fish Species Captured

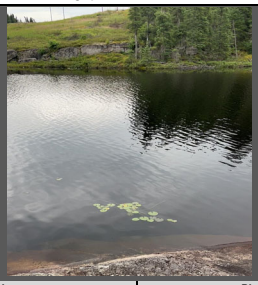
Method: Minnow Trap

Fish Species Captured: Yellow Perch, Lake Chub

Fish Habitat Potential Summary

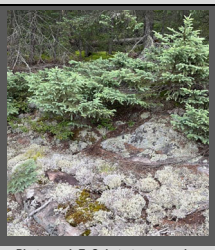
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	High	High	High	High
Eel/Lamprey	Medium	Medium	Medium	Medium
Northern Pike	High	High	High	High
Perch	High	High	High	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Medium
Trout/Whitefish	Medium	Medium	Medium	Medium
Walleye	High	High	High	High
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

Photograph A: Northern shoreline



Photograph B: Northern shore

Photograph C: Southern shore



Photograph D: Western shore

Photograph E: Substrate at crossing

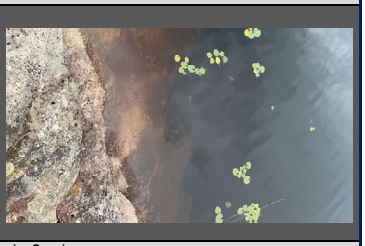
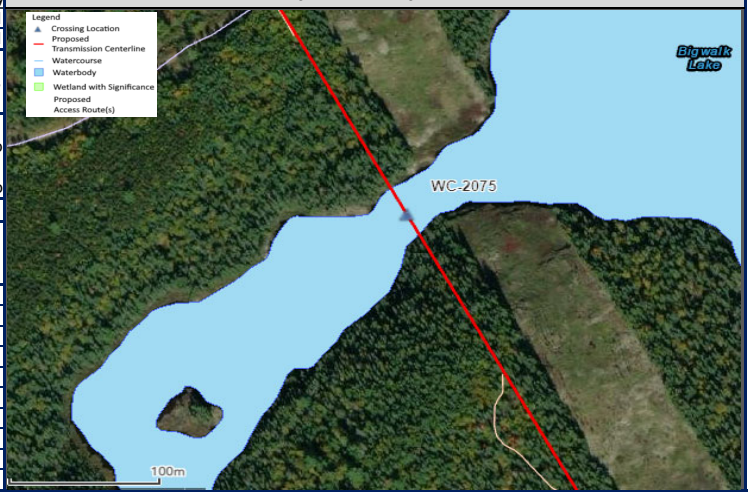


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2073**

Waterbody Name:	Frawly Lake
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-30
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.26805 Long:	-91.76868
Weather Conditions	
Air Temp (°C):	31
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	Lake
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	High
Riparian Vegetation SD1:	Shrubs/Coniferous Forest/Muskeg
Riparian Vegetation SD2:	Shrubs/Coniferous Forest/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m)[(k)]:	300
Bank Height (m):	0.84
Bankfull Width (m)[(k)]:	301
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Boulder/Cobble/Organics/Clay/Silt/Bedrock
Bed:	Boulder/Cobble/Clay/Silt/Sand
SD2:	Boulder/Cobble/Organics/Clay/Silt/Bedrock
Water Quality	
Water Colour:	Clear
Temperature (°C):	21.3
Conductivity (µS/cm):	16.01
pH:	6.2
Turbidity (NTU):	3.4
DO (mg/L):	7.71
Fish Habitat Data	
In-water Cover Features:	Depth/Overhanging Vegetation
Sensitive Features:	Permanent inflowing tributary
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Located west of existing ROW. Lake has two inlets to the north and south and outflow to the east. The lake widens with bog shoreline to the west.

Fish Species Captured

Method: Minnow Trap

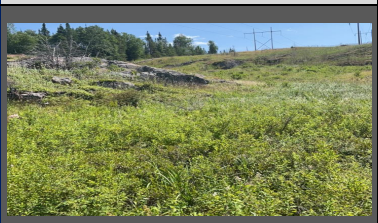
Fish Species Captured: Yellow Perch, White Sucker, Lake Chub

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	High	High	High	High
Eel/Lamprey	Medium	Medium	Medium	Medium
Northern Pike	High	High	High	High
Perch	High	High	High	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	High	High	High	High
Trout/Whitefish	High	High	High	High
Walleye	High	High	High	High
Forage Species	High	High	High	High
Other	High	High	High	High

Photograph A: Northern shore

Photograph B: Southern shore

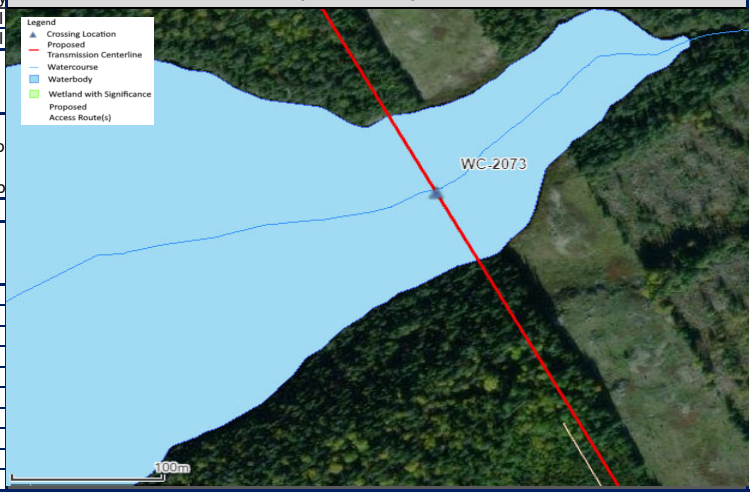


Photograph C: Western shore

Photograph D: Eastern shore

Photograph E: Substrate at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2071.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-30
Alt. Route Segment:	3A
Coordinates of Crossing:	Lat: 49.25770 Long: -91.77143
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel/Pool(DS)
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs/Mixed Forest/Grasses
Riparian Vegetation RDB:	Muskeg/Shrubs/Mixed Forest/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	16.15
Conductivity (µS/cm):	38.56
pH:	4.65
Turbidity (NTU):	2.21
DO (mg/L):	6.26
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Upstream is a wetland with no open water. 35 meters downstream has a channelized pool that is 3 meters in length. Otherwise no defined channel.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

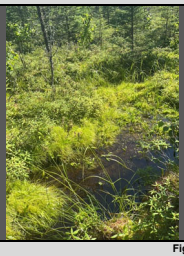
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Crossing

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: 35 m downstream



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2070.01**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-29
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.24270 Long:	-91.75965
Weather Conditions	
Air Temp (°C):	15
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Pond
Length Assessed (m):	50
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Low
Riparian Vegetation SD1:	Muskeg/Grasses/Shrubs
Riparian Vegetation SD2:	Muskeg/Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.3
Wetted Width (m):	16
Bank Height (m):	N/A
Bankfull Width (m):	20
Maximum Depth (m):	0.5
Substrate at Crossing	
SD1:	Organics
Bed:	Sand/Silt/Organics
SD2:	Sand/Silt/Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	8.06
Conductivity (µS/cm):	10.28
pH:	5.81
Turbidity (NTU):	5.5
DO (mg/L):	7.38
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Permanent marsh wetland.

Fish Species Captured

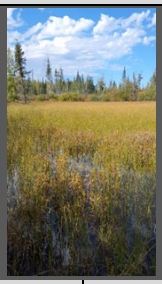
Method: Observation

Fish Species Captured: Leuciscidae sp.

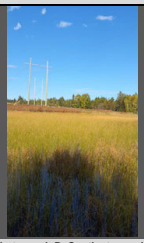
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	High	Nil
Other	Nil	Low	Low	Nil

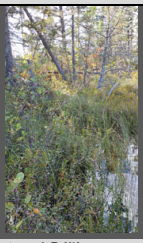
Photograph A: North at crossing



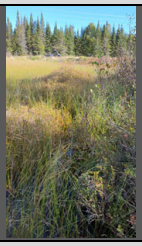
Photograph B: East at crossing



Photograph C: West at crossing

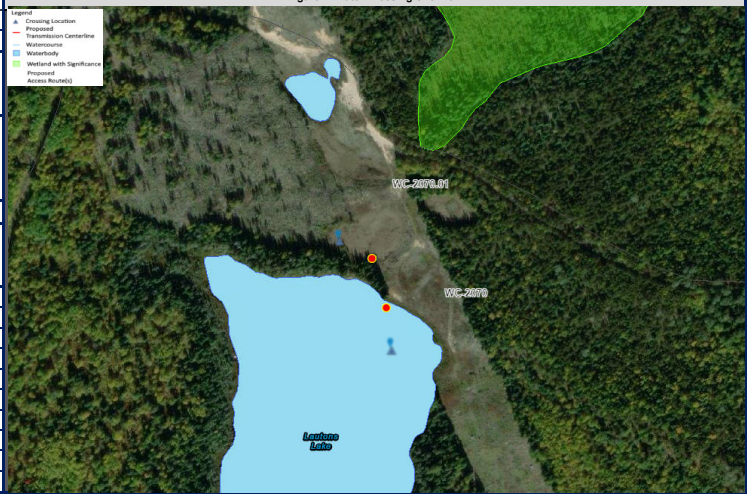


Photograph D: South at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2070**

Waterbody Name:				Lautons Lake
Waterbody Type:				Lake/Pond
Date surveyed:				2022-09-29
Alt. Route Segment:				3A
Coordinates of Crossing:	Lat:	49.24224	Long:	-91.75944
Weather Conditions				
Air Temp (°C):				15
Cloud Cover(%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				South
Wind Rate:				Moderate
Reach Data				
Habitat Types:				Lake
Length Assessed (m):				200
Visual Permanency:				Permanent
Pattern :				Elongated
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Coniferous Forest/Shrubs/Grasses
Riparian Vegetation SD2:				Coniferous Forest/Shrubs/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				1.05
Wetted Width (m)[(k)]:				285
Bank Height (m):				2.00
Bankfull Width (m)[(k)]:				290
Maximum Depth (m):				>2
Substrate at Crossing				
SD1:				Fine Sand/Organics/Silt
Bed:				Sand/Silt
SD2:				Sand/Silt/Boulder
Water Quality				
Water Colour:				Tea
Temperature (°C):				15.53
Conductivity (µS/cm):				8.47
pH:				7.55
Turbidity (NTU):				9.69
DO (mg/L):				10.75
Fish Habitat Data				
In-water Cover Features:				Depth/Aquatic Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Crossing site is located on the Northeast side of the lake. Large lake along hydro corridor surrounded by coniferous forest and wetland.

Fish Species Captured

Method: Minnow Trap

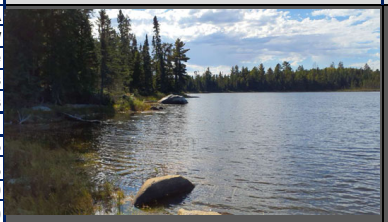
Fish Species Captured: Pearl Dace, Fathead Minnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Medium	Medium
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Medium
Trout/Whitefish	Low	Low	Low	Low
Walleye	Medium	Medium	Medium	Medium
Forage Species	High	High	High	High
Other	High	High	High	High

Photograph A: View of lake shoreline facing Northwest

Photograph B: View of lake shoreline facing Southwest

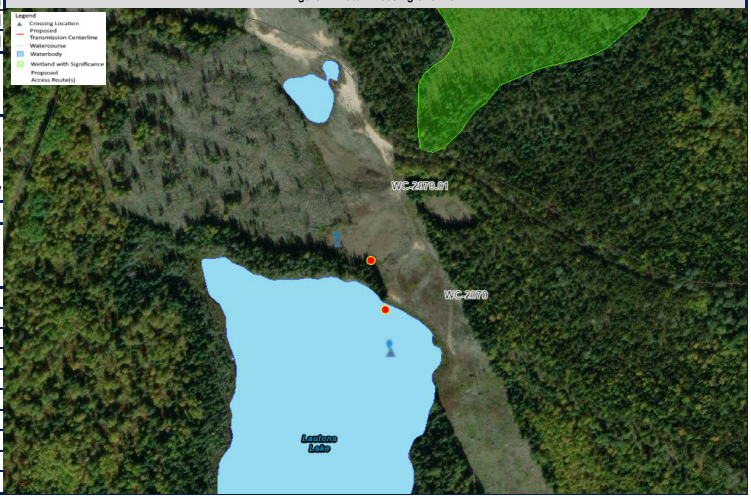


Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-2069.09**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-29
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.23983 Long:	-91.75795
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Narrow strip of bog adjacent from small lake to existing right-of-way. No watercourse.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

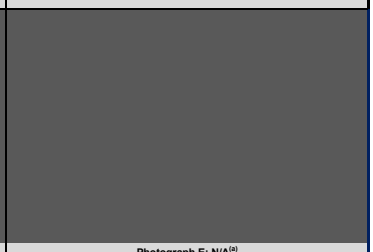
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

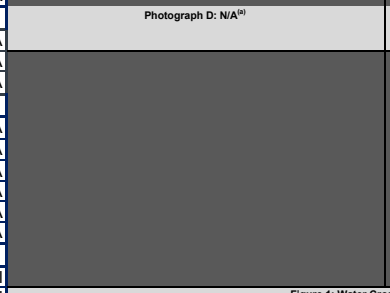
Photograph A: N/A[a]

Photograph B N/A[a]

Photograph C: N/A[a]



Photograph D: N/A[a]



Photograph E: N/A[a]

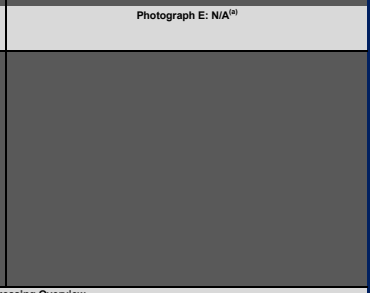


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey **Watercrossing:** **WC-2069.08**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-29
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.23629 Long:	-91.75541
Weather Conditions	
Air Temp (°C):	11
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	High
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Coniferous Forest/Grasses
Riparian Vegetation RDB:	Coniferous Forest/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing is located in a bog with some pooled water on surface, but no open water areas, no flowing channel and no defined banks.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

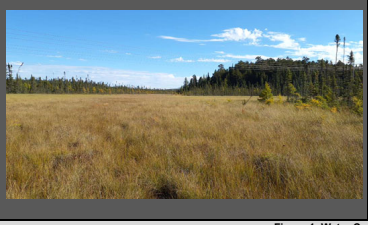
Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate and groundcover at crossing

Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2060.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-17
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.02516 Long:	-91.73033
Weather Conditions	
Air Temp (°C):	30
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located in a depression adjacent to the hydro line, with no aquatic habitat present. Moist ground may support spring runoff.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate and ground cover present at the crossing

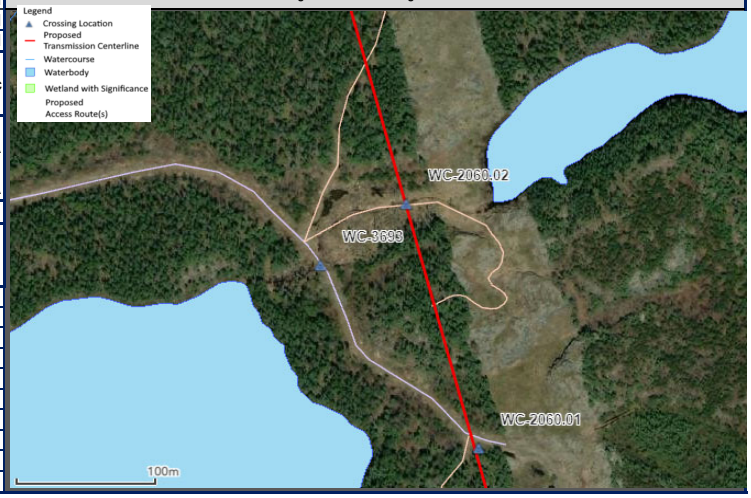
Photograph B: North/northwest at crossing

Photograph C: South at water crossing.

Photograph D: Southwest at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2060.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-17
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.02344 Long:	-91.73036
Weather Conditions	
Air Temp (°C):	30
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is present at the junction of two access trails directly adjacent to existing hydro line, surrounded by mixed forest. No aquatic habitat present.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: South at crossing

Photograph C: East at crossing

Photograph D: West at crossing

Photograph E: Facing west at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2059.01**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-11
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.01711 Long:	-91.72739
Weather Conditions	
Air Temp (°C):	23
Cloud Cover(%):	0
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	Pond
Length Assessed (m):	40
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Flat
Stage:	Moderate
Riparian Vegetation SD1:	Grasses/Mixed Forest/Shrubs
Riparian Vegetation SD2:	Grasses/Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.5
Wetted Width (m):	12
Bank Height (m):	0.50
Bankfull Width (m):	14
Maximum Depth (m):	<0.75
Substrate at Crossing	
SD1:	Organics
Bed:	Organics/Boulder
SD2:	Organics/Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	21.58
Conductivity (µS/cm):	12.22
pH:	5.43
Turbidity (NTU):	1.75
DO (mg/L):	4.25
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small waterbody located in a wetland adjacent to the existing Hydro corridor located in a mixed forest.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

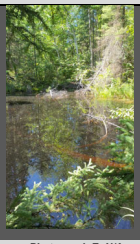
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: West at crossing

Photograph B: Southwest at crossing

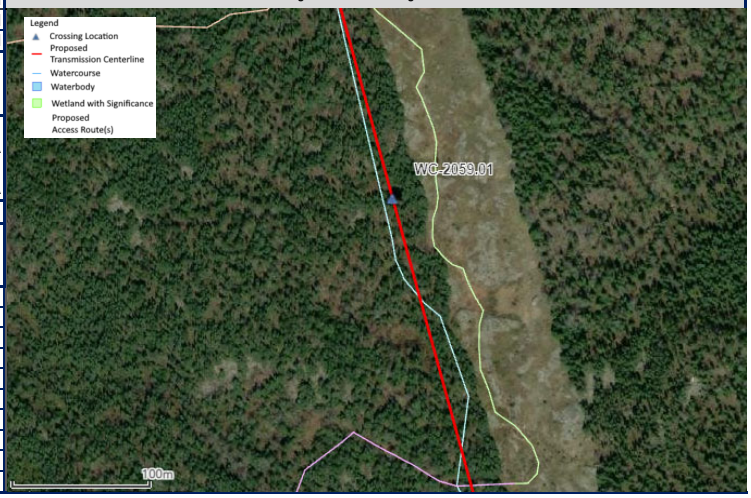
Photograph C: Southeast at crossing



Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2056**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-09-24
Alt. Route Segment:				3A
Coordinates of Crossing:	Lat:	48.96654	Long:	-91.70741
Weather Conditions				
Air Temp (°C):				11
Cloud Cover(%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				Northeast
Wind Rate:				Low
Reach Data				
Habitat Types:				Run
Length Assessed (m):				100
Visual Permanency:				Permanent
Pattern :				Winding
Confinement:				Frequently Confined
Form:				Incised
Stage:				Moderate
Riparian Vegetation LDB:				Shrubs/Bare/Coniferous Forest/Grasses
Riparian Vegetation RDB:				Bare/Shrubs/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.12
Wetted Width (m):				0.8
Bank Height (m):				1.93
Bankfull Width (m):				1.5
Maximum Depth (m):				0.3
Substrate at Crossing				
LDB:				Cobble/Boulder/Organics/Gravel
Bed:				Boulder/Cobble/Organics/Gravel
RDB:				Dedrock/Boulder/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				13.56
Conductivity (µS/cm):				10.22
pH:				5.14
Turbidity (NTU):				4.93
DO (mg/L):				8.64
Fish Habitat Data				
In-water Cover Features:				Substrate/ Vegetation/Undercut Banks
Sensitive Features:				Islands
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Channel is braided immediately upstream and downstream from the crossing. Downstream is a confluence with a lake, pond upstream.

Fish Species Captured

Method: N/A

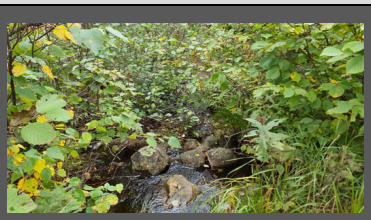
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Low	Low	Nil
Eel/Lamprey	Nil	Low	Low	Nil
Northern Pike	Nil	Nil	Low	Nil
Perch	Nil	Nil	Low	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Moderate	Low	Low	High
Trout/Whitefish	Low	Low	Low	Nil
Walleye	Low	Low	Low	Nil
Forage Species	Low	Low	Low	High
Other	Nil	Nil	Nil	Nil

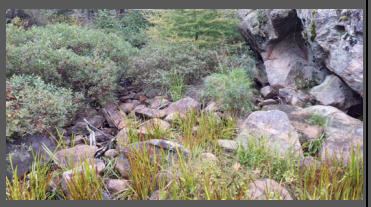
Photograph A: Substrate

Photograph B: 25 meters upstream from crossing facing downstream



Photograph C: Right downstream bank at crossing

Photograph D: 11 m downstream from crossing facing upstream



Photograph E: Downstream at crossing where channel braids

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2055**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-24
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 48.96424 Long:	-91.70799
Weather Conditions	
Air Temp (°C):	11
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	Lake
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Steep
Stage:	Moderate
Riparian Vegetation SD1:	Bare/Coniferous Forest/ Grasses
Riparian Vegetation SD2:	Coniferous Forest/Bare/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m)[k]:	545
Bank Height (m):	1.55
Bankfull Width (m)[k]:	550
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Bedrock
Bed:	Bedrock/Fines
SD2:	Bedrock
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.17
Conductivity (µS/cm):	10.34
pH:	5.37
Turbidity (NTU):	4.77
DO (mg/L):	9.54
Fish Habitat Data	
In-water Cover Features:	Depth
Sensitive Features:	headwater feature/non-permanent in-flow
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Narrow lake with steep bedrock shoreline. Bottom slope drops off steeply immediately adjacent to shoreline.

Fish Species Captured

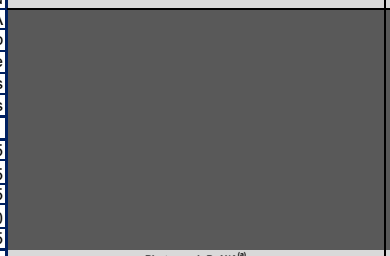
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

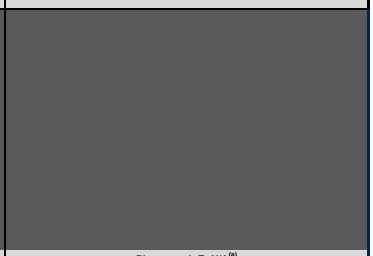
Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Medium	Medium	High	High
Eel/Lamprey	Nil	Low	High	Low
Northern Pike	Nil	Medium	High	High
Perch	Low	Medium	High	High
Sturgeon	Nil	Low	High	High
Suckers	Nil	Medium	High	High
Trout/Whitefish	Low	Medium	High	High
Walleye	Nil	Medium	High	High
Forage Species	Low	Low	High	High
Other	High	High	High	High

Photograph A: N/A[a]

Photograph B: N/A[a]



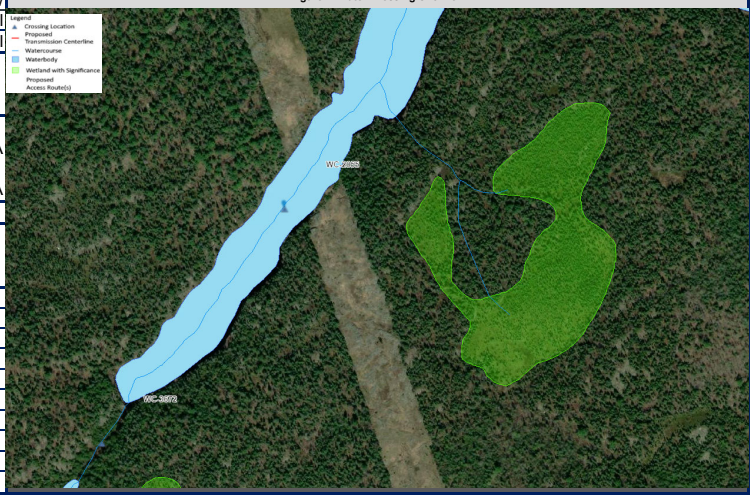
Photograph C: N/A[a]



Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2053.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-23
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 48.92964 Long:	-91.68974
Weather Conditions	
Air Temp (°C):	10
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Coniferous Forest
Riparian Vegetation RDB:	Muskeg/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel within 50 m of crossing, and no water at crossing site.
Bog wetland which continues for 50 m from either side of the crossing.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

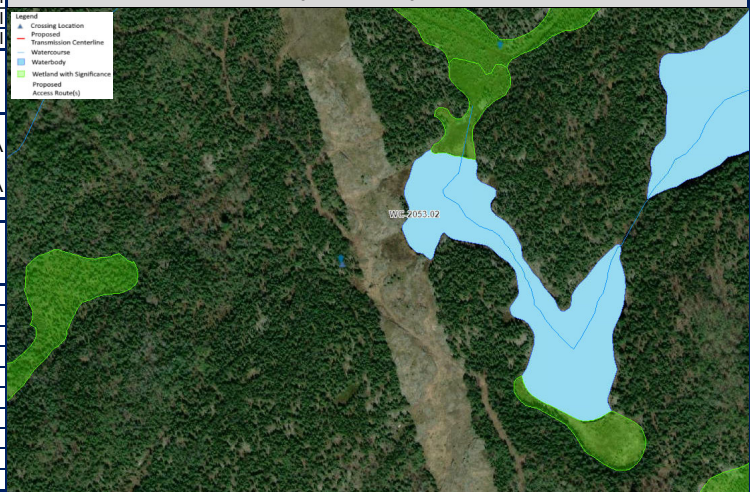
Photograph B: N/A[a]

Photograph C: N/A[a]

Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2053.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-15
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 48.92962 Long:	-91.68858
Weather Conditions	
Air Temp (°C):	23
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Low lying bog adjacent to the hydro corridor. No standing water and no fish habitat.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Looking north from high vantage point looking over water crossing

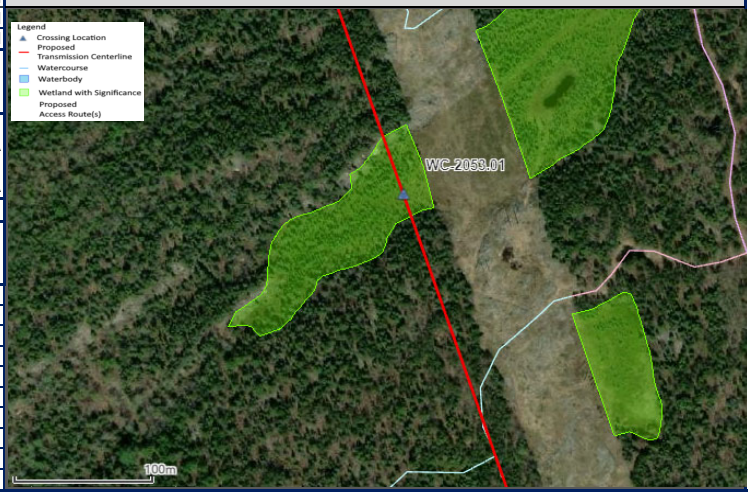
Photograph B: East at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: North at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-2051.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-21
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 48.90915 Long:	-91.67747
Weather Conditions	
Air Temp (°C):	24
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	24.15
Conductivity (µS/cm):	32.52
pH:	6.38
Turbidity (NTU):	9.26
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Thick Aquatic Vegetation

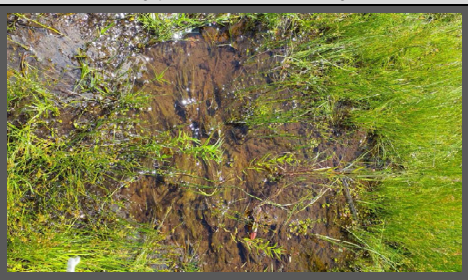
General Description:
Low area/wetland with a surface flow to other side of wetland. Limited pooled water at base of slope along existing ROW.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at the water crossing



Photograph B: North at water crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2048.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-25
Alt. Route Segment:	2C
Coordinates of Crossing: Lat: 48.72880 Long:	-91.32738
Weather Conditions	
Air Temp (°C):	22
Cloud Cover(%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water is present at crossing site, although substrate is damp. Some water is pooled on the forest floors about 30 m east of crossing site.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Photo from road towards ditch

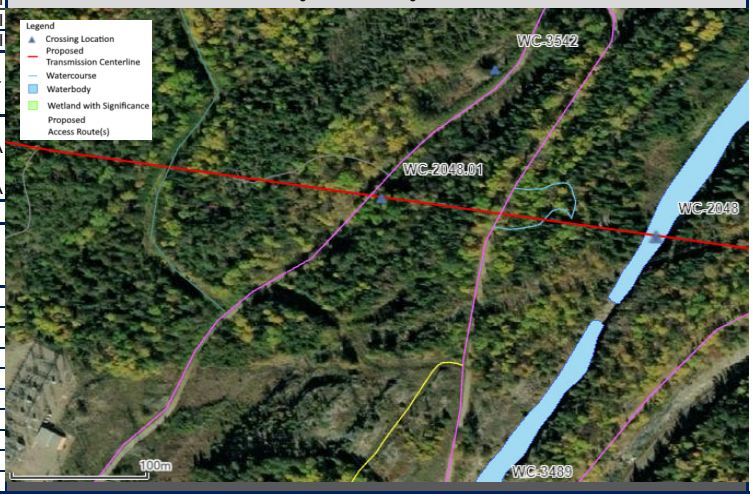
Photograph B: Water pooled on forest floor 30 m east of crossing

Photograph C: West at crossing

Photograph D: East at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2048**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-08-25
Alt. Route Segment:				2C
Coordinates of Crossing:	Lat:	48.82905	Long:	-91.59563
Weather Conditions				
Air Temp (°C):				25
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Types:				Lake
Length Assessed (m):				200
Visual Permanency:				Permanent
Pattern :				Elongated
Confinement:				Elongated
Form:				Elongated
Stage:				Moderate
Riparian Vegetation SD1:				Mixed Wood Forest/Shrubs/Grasses/Bare
Riparian Vegetation SD2:				Mixed Wood Forest/Shrubs/Grasses/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				>2
Wetted Width (m):				20
Bank Height (m):				5.00
Bankfull Width (m):				24
Maximum Depth (m):				>2
Substrate at Crossing				
SD1:				Silt/Organics/Bedrock/Cobble
Bed:				Silt/Organics/Cobble
SD2:				Bedrock/Cobble
Water Quality				
Water Colour:				Clear
Temperature (°C):				21.12
Conductivity (µS/cm):				201.27
pH:				7.57
Turbidity (NTU):				0.48
DO (mg/L):				7.34
Fish Habitat Data				
In-water Cover Features:				Depth/Overhanging Vegetation/Woody Debris
Sensitive Features:				Shoals
Existing Infrastructure:				Dam(DS)
Fish Impediments/Barriers:				Other: Dam

General Description:
The crossing is in the middle of a large human-made lake. The site is on the same waterbody as WC-3489 with the concrete dam.

Fish Species Captured

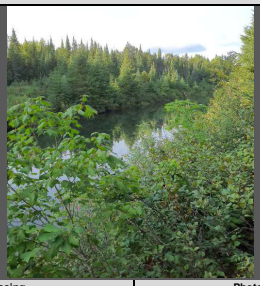
Method: Minnow Trap

Fish Species Captured: Nil

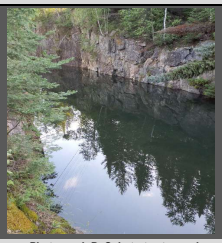
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Low	Low	Nil	Medium
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Medium
Perch	Low	Low	Nil	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	High
Trout/Whitefish	Low	Low	Nil	Medium
Walleye	Low	Low	Nil	Medium
Forage Species	Medium	Medium	Nil	Medium
Other	Medium	Medium	Nil	Medium

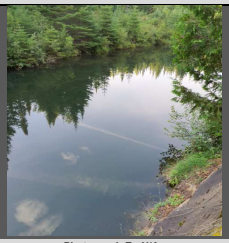
Photograph A: Overview facing South



Photograph B: North at crossing



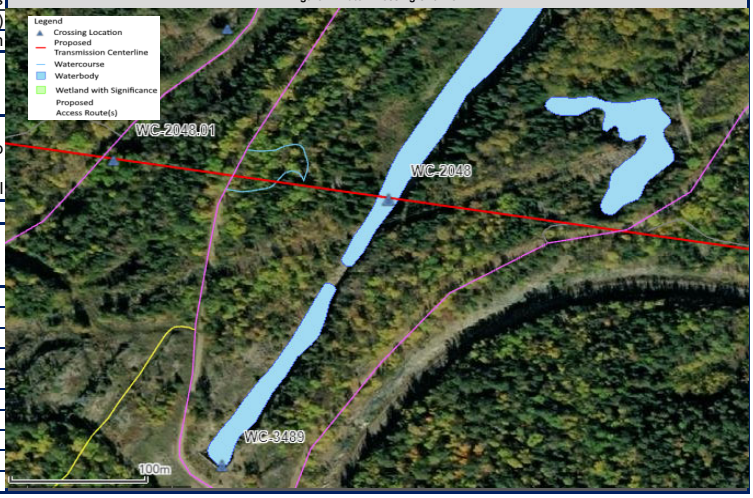
Photograph C: South at crossing



Photograph D: Substrate at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2039.01**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-30
Alt. Route Segment:	2C
Coordinates of Crossing:	Lat: 48.82726 Long: -91.55628
Weather Conditions	
Air Temp (°C):	25
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	High
Reach Data	
Habitat Types:	Pond
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Wetland complex with braided channels
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Shrubs/Grasses/Mixed Wood Forest
Riparian Vegetation SD2:	Muskeg/Shrubs/Grasses/Mixed Wood Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.5
Wetted Width (m):	0.5
Bank Height (m):	0.50
Bankfull Width (m):	51.5
Maximum Depth (m):	0.5
Substrate at Crossing	
SD1:	Organics
Bed:	Organics
SD2:	Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	19.4
Conductivity (µS/cm):	94.55
pH:	6.54
Turbidity (NTU):	5.02
DO (mg/L):	2.21
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small waterbody with periodic open water areas and no flow.

Fish Species Captured

Method:	Electrofishing
Fish Species Captured:	Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

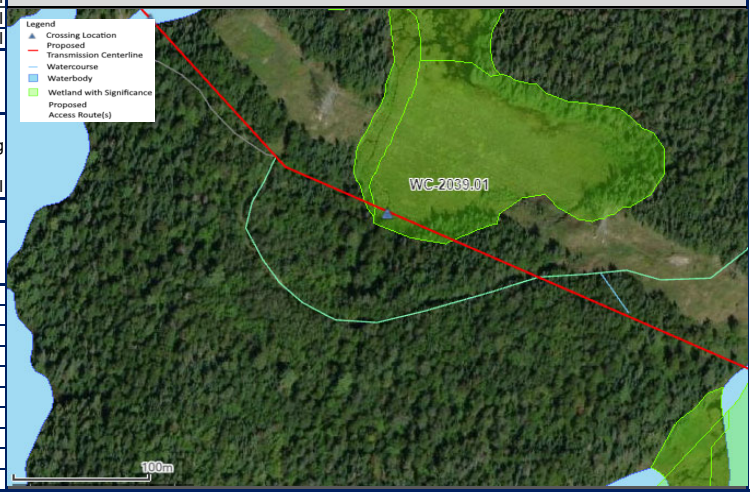
Photograph B: North at crossing

Photograph C: South at crossing where water ends

Photograph D: Northeast at crossing

Photograph E: Southeast at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2038.02**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-08-12
Alt. Route Segment:				2C
Coordinates of Crossing:	Lat:	48.82395	Long:	-91.54569
Weather Conditions				
Air Temp (°C):				22
Cloud Cover(%):				50-75
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Types:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				N/A
Riparian Vegetation RDB:				N/A
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

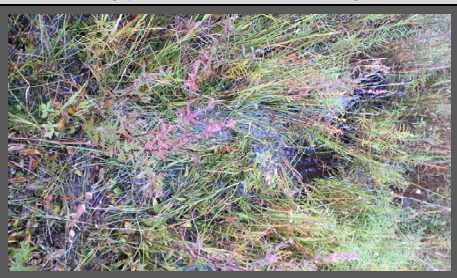
General Description:
Muskeg wetland, no active flowing water.Bordered by coniferous forest with bedrock outcroppings.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

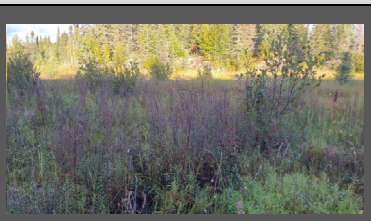
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

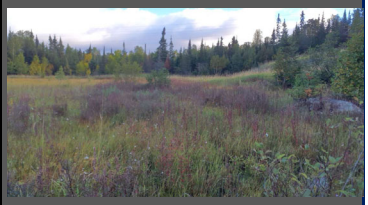
Photograph A: Substrate and flooded water at crossing



Photograph B: Facing west at crossing



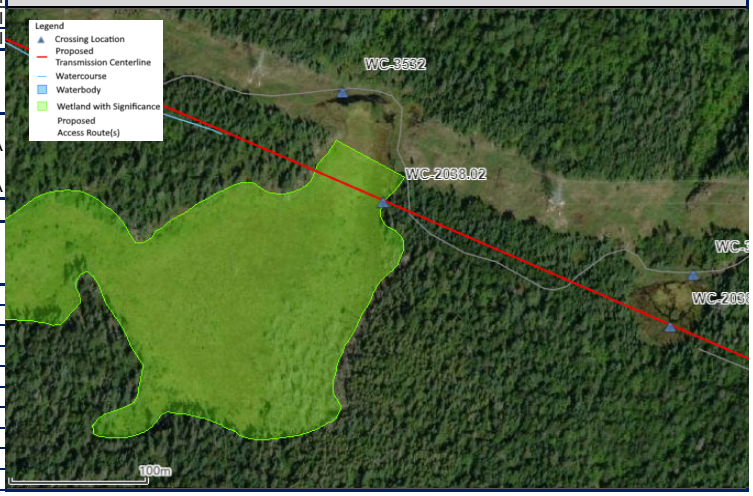
Photograph C: Facing north (Downslope) at crossing



Photograph D: East at crossing

Photograph E: South (upslope) at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2038.01**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-13
Alt. Route Segment:				2C
Coordinates of Crossing:	Lat:	48.82326	Long:	-91.54245
Weather Conditions				
Air Temp (°C):				26
Cloud Cover(%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Northeast
Wind Rate:				Low
Reach Data				
Habitat Types:				Pond
Length Assessed (m):				200
Visual Permanency:				Permanent
Pattern :				Round
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Muskeg/Grasses/Shrubs/Mixed Wood Forest
Riparian Vegetation SD2:				Muskeg/Grasses/Shrubs/Mixed Wood Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.5
Wetted Width (m):				47.5
Bank Height (m):				N/A
Bankfull Width (m):				51.5
Maximum Depth (m):				<0.75
Substrate at Crossing				
SD1:				Organics/Bedrock
Bed:				Organics
SD2:				Organics/Bedrock
Water Quality				
Water Colour:				Tea
Temperature (°C):				22.12
Conductivity (µS/cm):				30.96
pH:				5.69
Turbidity (NTU):				0.42
DO (mg/L):				7.9
Fish Habitat Data				
In-water Cover Features:				Substrate/ Depth/ Aquatic Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Crossing location is located in the open water of a wetland. Due to soft substrate the exact crossing location was not acessible.

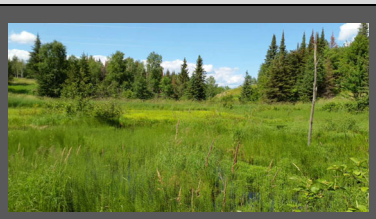
Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

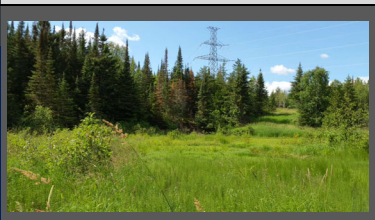
Photograph A: Substrate at crossing

Photograph B: North view at crossing



Photograph C: South view at crossing

Photograph D: West view at crossing



Photograph E: East view at crossing

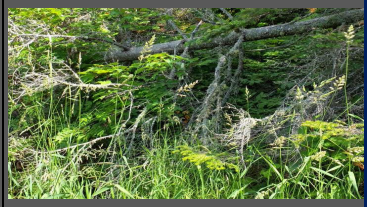
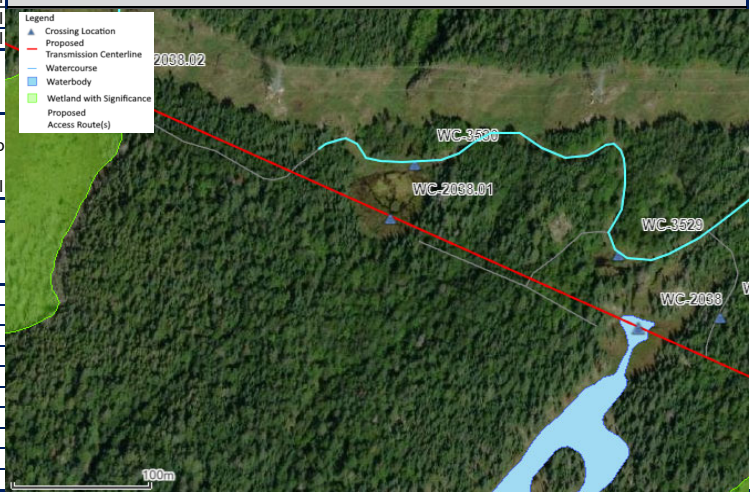


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2036.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	2C
Coordinates of Crossing: Lat: 48.81594 Long:	-91.51795
Weather Conditions	
Air Temp (°C):	21
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water present at crossing. This crossing may support runoff during spring freshet or heavy periods of rain; however, no defined channel present.

Fish Species Captured

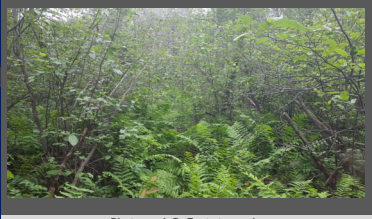
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

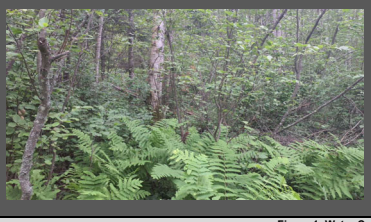
Photograph A: North at crossing

Photograph B: South at crossing



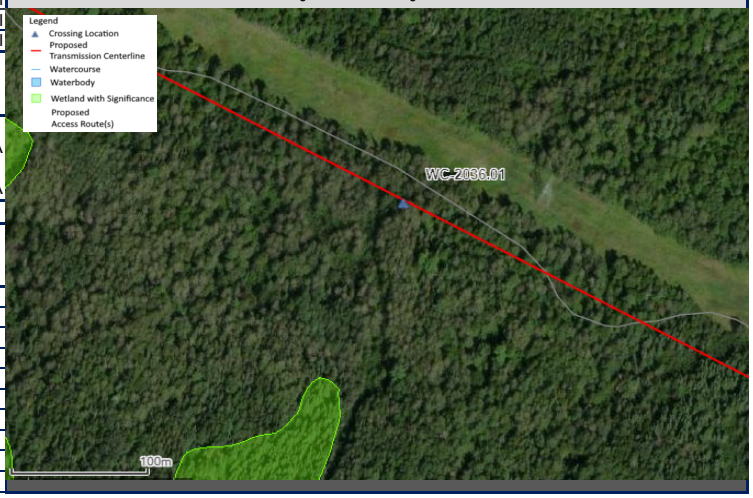
Photograph C: West at crossing

Photograph D: East at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2031.01**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-19
Alt. Route Segment:	2B
Coordinates of Crossing:	Lat: 48.85262 Long: -91.68172
Weather Conditions	
Air Temp (°C):	21
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	Run/No Defined Channel(DS)
Length Assessed (m):	200
Visual Permanency:	Non-Permanent
Pattern :	Regular Meander
Confinement:	Confined
Form:	Neutral
Stage:	Flooded
Riparian Vegetation LDB:	Grasses/ Shrubs/ Mixed Wood Forest
Riparian Vegetation RDB:	Grasses/ Shrubs/ Mixed Wood Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.37
Wetted Width (m):	4.2
Bank Height (m):	0.50
Bankfull Width (m):	8.53
Maximum Depth (m):	1.5
Substrate at Crossing	
LDB:	Organics/Sand/Fine Gravel/Silt
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	16.38
Conductivity (µS/cm):	20.35
pH:	6.17
Turbidity (NTU):	2.05
DO (mg/L):	7.50
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Thick Aquatic Vegetation

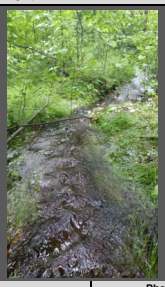
General Description:
Small intermittent watercourse with well-defined bed and banks, unconfined and stable channel conditions.

Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Central Mudminnow, White Sucker

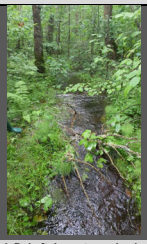
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Nil

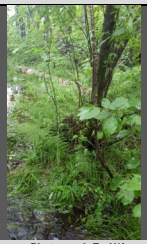
Photograph A: Downstream at crossing



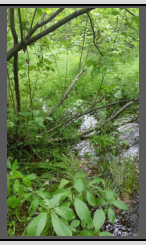
Photograph B: Upstream at crossing



Photograph C: Right downstream bank at crossing

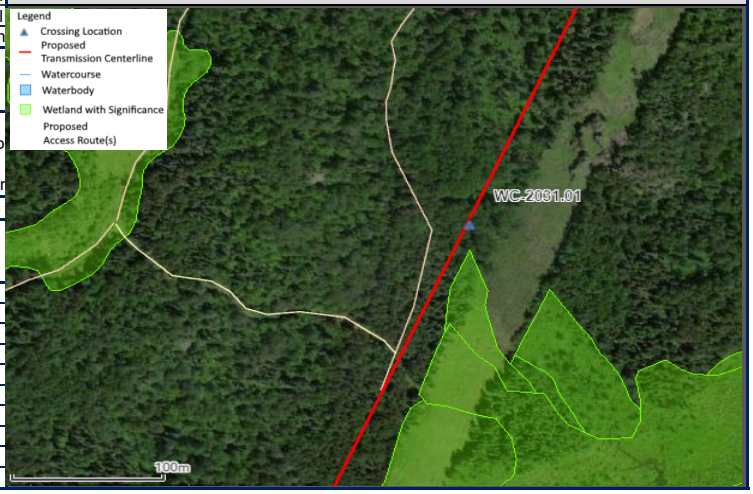


Photograph D: Left downstream bank at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2031**

Waterbody Name:	Art Lake
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-01
Alt. Route Segment:	2B
Coordinates of Crossing:	Lat: 48.84093 Long: -91.69109
Weather Conditions	
Air Temp (°C):	28
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Lake
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Moderate
Stage:	Moderate
Riparian Vegetation SD1:	Grasses/ Coniferous Forest/ Shrubs/ Bare
Riparian Vegetation SD2:	Grasses/ Coniferous Forest/ Shrubs/ Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1.5
Wetted Width (m)[(k)]:	265
Bank Height (m):	N/A
Bankfull Width (m)[(k)]:	265
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Organics/Boulder/Bedrock
Bed:	Organics/Boulder/Bedrock
SD2:	Organics/Boulder/Bedrock
Water Quality	
Water Colour:	Tea
Temperature (°C):	23.04
Conductivity (µS/cm):	27
pH:	6.75
Turbidity (NTU):	2.68
DO (mg/L):	6.89
Fish Habitat Data	
In-water Cover Features:	Depth/Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

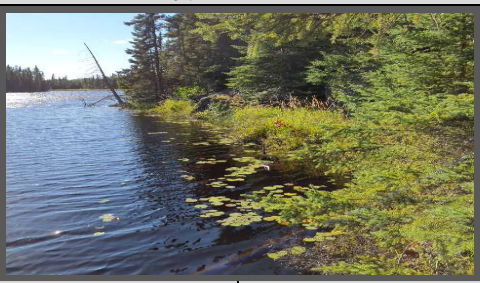
General Description:
Crossing is on the east shore of Art Lake. No channel found. Coniferous forest with steep shorelines composed of bedrock and boulders.

Fish Species Captured
Method: Angling, Minnow Trap
Fish Species Captured: Northern Redbelly Dace, Finescale Dace

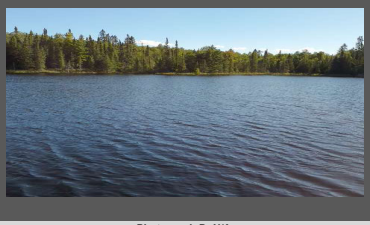
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Medium	Medium	Medium	Medium
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	Medium	Medium	Medium
Perch	High	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Medium	Medium	Medium
Trout/Whitefish	Low	Low	Low	Medium
Walleye	Low	Medium	Medium	Medium
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

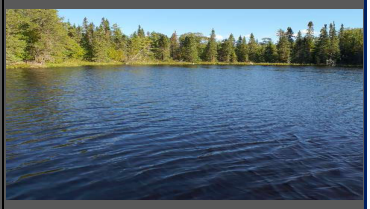
Photograph A: Northwestern shore



Photograph B: East at crossing



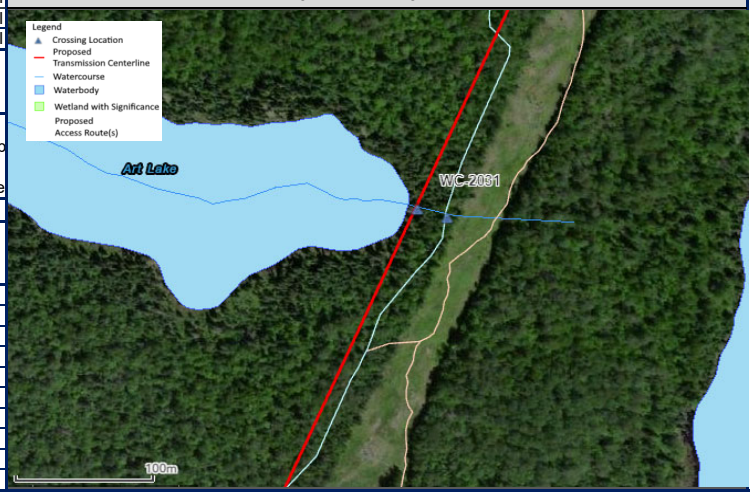
Photograph C: Southeastern shore



Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2030.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-24
Alt. Route Segment:	2B
Coordinates of Crossing: Lat: 48.82921 Long:	-91.69735
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Wood Forest
Riparian Vegetation RDB:	Mixed Wood Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	10.57
Conductivity (µS/cm):	58.73
pH:	6.47
Turbidity (NTU):	4.91
DO (mg/L):	10.53
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Low-lying area in mixed forest, no defined channel. Subsurface flow can be heard at crossing, and seen through sporadic pockets.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

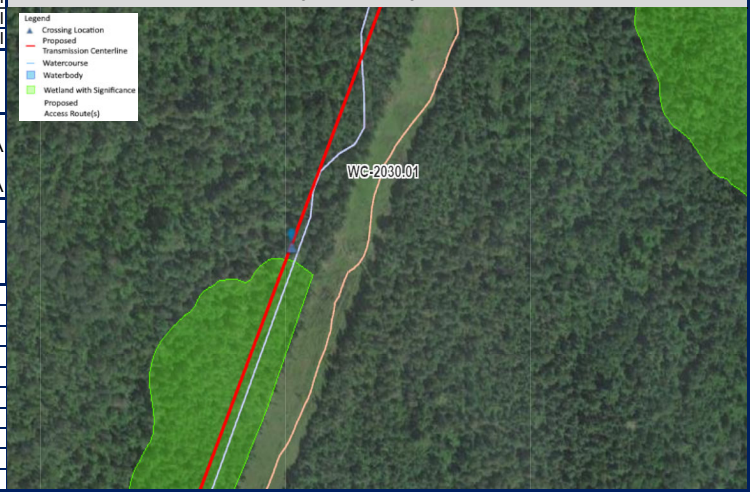
Photograph B: N/A[a]

Photograph C: N/A[a]

Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2028.01**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-24
Alt. Route Segment:	2B
Coordinates of Crossing: Lat: 48.81441 Long:	-91.70554
Weather Conditions	
Air Temp (°C):	12
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grasses
Riparian Vegetation RDB:	Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	11.06
Conductivity (µS/cm):	74.53
pH:	6.55
Turbidity (NTU):	2.03
DO (mg/L):	4.77
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located on a trail with no defined channel, and minor flow downstream of crossing with aquatic vegetation.

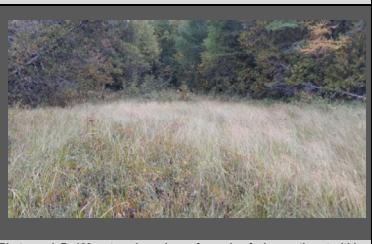
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

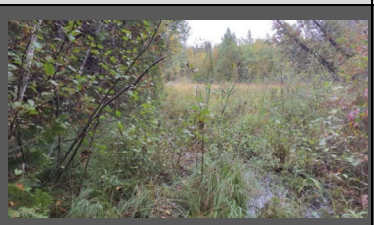
Photograph A: Aerial view of crossing

Photograph B: Facing SW in wetland 60 meters downslope from crossing



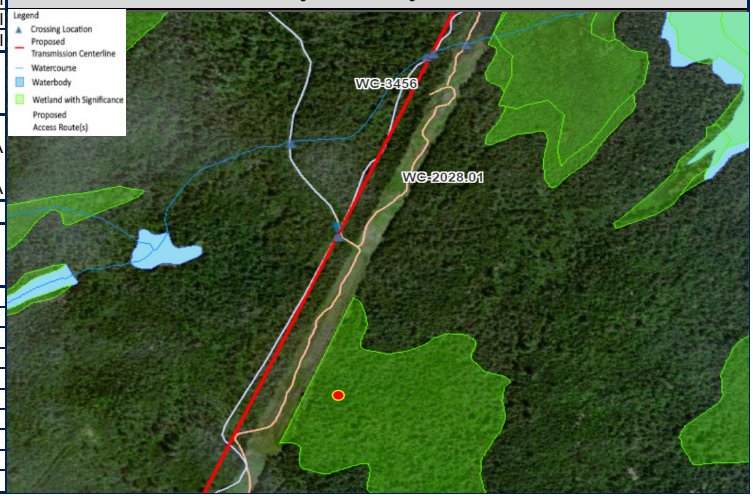
Photograph C: Facing northeast in wetland 60 meters downslope from crossing

Photograph D: 100 meters downslope of crossing facing northeast within wetland



Photograph E: 100 meters downslope of crossing where water pools within wetland

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2022.01**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-09-25
Alt. Route Segment:				2B
Coordinates of Crossing:	Lat:	48.76578	Long:	-91.71778
Weather Conditions				
Air Temp (°C):				11
Cloud Cover(%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Moderate
Reach Data				
Habitat Types:				Run/Flat(DS)
Length Assessed (m):				200
Visual Permanency:				Permanent
Pattern :				Irregular Meander
Confinement:				Unconfined
Form:				Incised
Stage:				Moderate
Riparian Vegetation LDB:				Shrubs/Grasses
Riparian Vegetation RDB:				Shrubs/Grasses
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.15
Wetted Width (m):				0.45
Bank Height (m):				0.23
Bankfull Width (m):				0.7
Maximum Depth (m):				0.4
Substrate at Crossing				
LDB:				Fine and Coarse Sand/Fine Gravel/Silt
Bed:				Organics
RDB:				Organics/Silt
Water Quality				
Water Colour:				Clear
Temperature (°C):				10.9
Conductivity (µS/cm):				156.05
pH:				6.64
Turbidity (NTU):				3.82
DO (mg/L):				5.97
Fish Habitat Data				
In-water Cover Features:				Woody Debris/Vegetation/Undercut Banks
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:
Watercourse starts as a run with uneven banks and slumping in areas, transitions to flat with flooded banks. Braids and rejoins downstream.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Central Mudminnow, White Sucker

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Low	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Low	Nil	Nil	Nil

Photograph A: Aerial of crossing

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Right down bank at crossing

Photograph E: Left down bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-2017.01

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-04
Alt. Route Segment:	2B
Coordinates of Crossing: Lat: 48.74600 Long:	-91.68585
Weather Conditions	
Air Temp (°C):	24
Cloud Cover(%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	Pool(US)/No Defined Channel/Flat(DS)
Length Assessed (m):	150
Visual Permanency:	Non-Permanent
Pattern :	Straight
Confinement:	Unconfined
Form:	Open
Stage:	Low
Riparian Vegetation SD1:	Shrubs/Grasses/Deciduous Forest
Riparian Vegetation SD2:	Grass/Shrubs/Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	0.8
Bank Height (m):	0.10
Bankfull Width (m):	1.2
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	16.15
Conductivity (µS/cm):	71.43
pH:	6.76
Turbidity (NTU):	9.09
DO (mg/L):	4.71
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Visited during low water conditions. Small pocket of water at site with a pool 16 m upstream and a flat 80 m downslope where fishing occurred.

Fish Species Captured

Method: Electrofishing

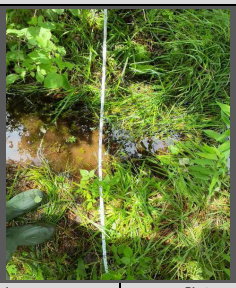
Fish Species Captured:

Northern Redbelly Dace, Blackchin Shiner, Central Mudminnow

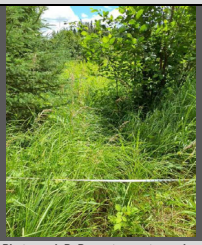
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

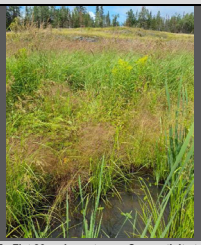
Photograph A: Down at crossing



Photograph B: Upstream at crossing



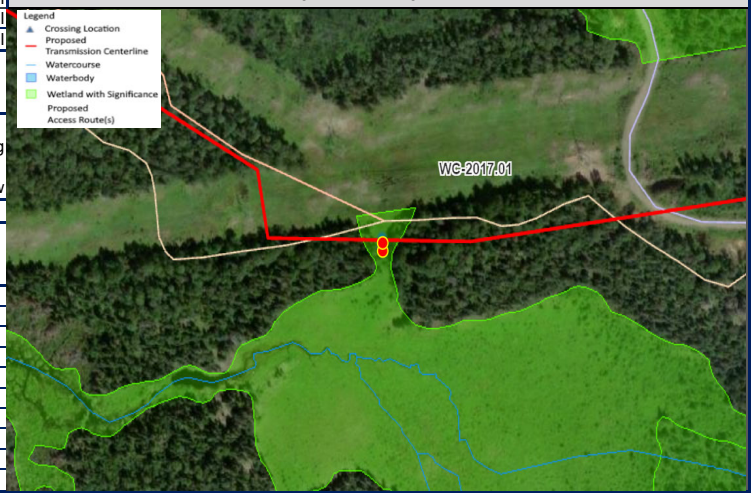
Photograph C: 16 m upstream facing upstream



Photograph D: Downstream at crossing

Photograph E: Flat 80 m downstream. Connectivity to site under high water levels.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2008.03**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-20
Alt. Route Segment:	2A / 2C
Coordinates of Crossing: Lat: 48.84580 Long:	-91.62389
Weather Conditions	
Air Temp (°C):	22
Cloud Cover(%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grasses
Riparian Vegetation RDB:	Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	16.87
Conductivity (µS/cm):	68.34
pH:	6.11
Turbidity (NTU):	3.12
DO (mg/L):	3.83
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Dense flooded grasses with some unconfined flow upstream, flows through grass hummocks. Shallow water with no defined channel.

Fish Species Captured

Method: N/A

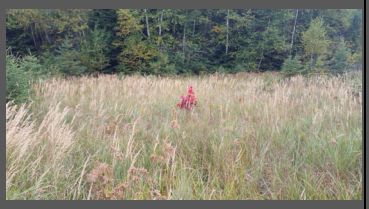
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground at crossing

Photograph B: North at crossing

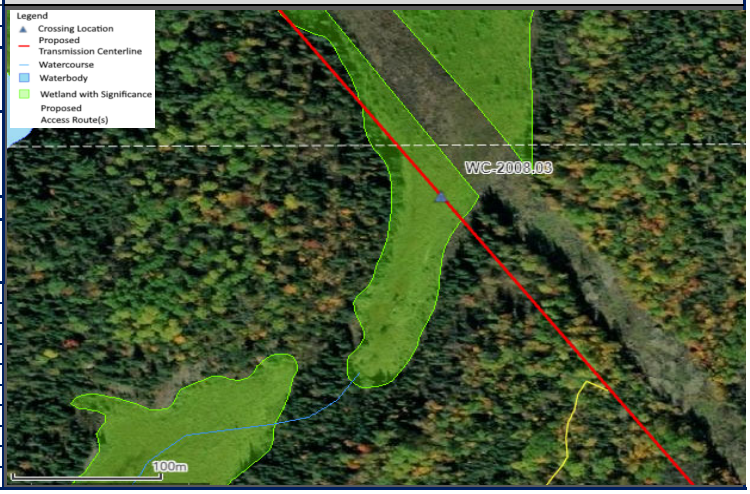


Photograph C: South at crossing

Photograph D: Facing downslope (west) at crossing

Photograph E: East (upslope) at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2008.02**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-20
Alt. Route Segment:	2A / 2C
Coordinates of Crossing: Lat: 48.84047 Long:	-91.61777
Weather Conditions	
Air Temp (°C):	19
Cloud Cover(%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Deciduous Forest
Riparian Vegetation RDB:	Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Low-lying area within shallow valley. No defined channel or water present.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

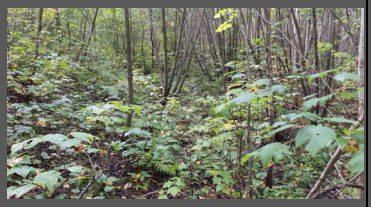
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground at crossing

Photograph B: North at crossing

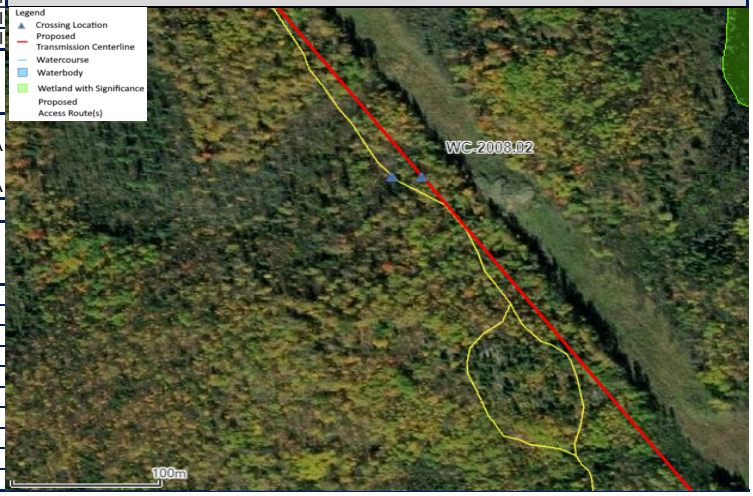
Photograph C: South at crossing

Photograph D: Facing west (upslope) at crossing



Photograph E: East (downslope) at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-2002.01**

Waterbody Name:			Unnamed
Waterbody Type:			Watercourse
Date surveyed:			2022-08-16
Alt. Route Segment:			2A
Coordinates of Crossing:	Lat:	48.75371 Long:	-91.57968
Weather Conditions			
Air Temp (°C):			25
Cloud Cover(%):			75-100
Precipitation Amount/Type:			None
Wind Direction:			West
Wind Rate:			Low
Reach Data			
Habitat Types:			Subsurface Flow/Impoundment(DS)
Length Assessed (m):			202
Visual Permanency:			Permanent
Pattern :			Straight
Confinement:			Confined
Form:			Neutral
Stage:			Low
Riparian Vegetation LDB:			Mixed Wood Forest/Shrubs/Grass
Riparian Vegetation RDB:			Mixed Wood Forest/Shrubs/Grass
Channel Morphology Data at Crossing			
Wetted Depth (m):			0.31
Wetted Width (m):			2.67
Bank Height (m):			0.20
Bankfull Width (m):			3.3
Maximum Depth (m):			1.5
Substrate at Crossing			
LDB:			Organics/Boulder
Bed:			Boulder/Organics/Clay/Silt/Fine Sand
RDB:			Boulder/Organics/Clay/Silt/Fine Sand
Water Quality			
Water Colour:			Tea
Temperature (°C):			20
Conductivity (µS/cm):			189.54
pH:			7.30
Turbidity (NTU):			24.83
DO (mg/L):			4.57
Fish Habitat Data			
In-water Cover Features:			Vegetation/Woody Debris
Sensitive Features:			Nil
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Beaver Dam

General Description:
Subsurface flow upstream and through crossing. Channelized impoundment begins 50 m downstream and widens 120 m downstream.

Fish Species Captured

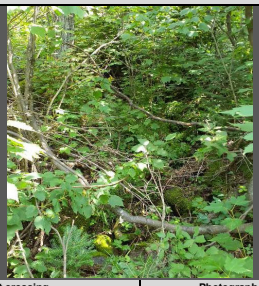
Method: Minnow Trap

Fish Species Captured: Finescale Dace, Central Mudminnow

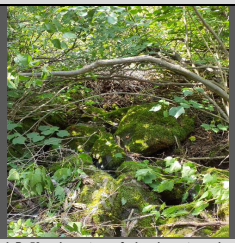
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Upstream at crossing



Photograph B: Downstream at crossing

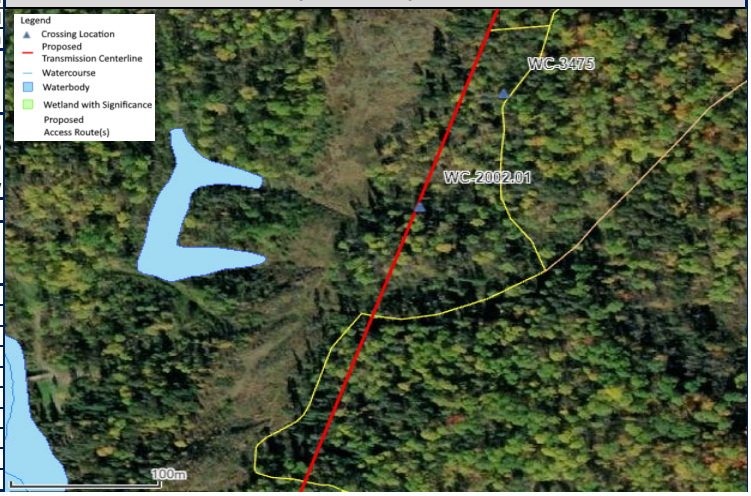


Photograph C: Left downstream bank at crossing

Photograph D: 50 m downstream facing downstream impoundment

Photograph E: 75 m downstream facing downstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3003**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-26
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.49763 Long:	-89.12377
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Moderate
Stage:	High
Riparian Vegetation SD1:	Grass/Shrubs/Mixed Forest
Riparian Vegetation SD2:	Grass/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.5
Wetted Width (m):	44.4
Bank Height (m):	0.255
Bankfull Width (m):	54.9
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Organics/Silt/Cobble
Bed:	Organics/Silt
SD2:	Organics/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	23
Conductivity (µS/cm):	834
pH:	8.69
Turbidity (NTU):	1.79
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Large permanent waterbody with well-defined bed and banks, and stable channel conditions.

Fish Species Captured

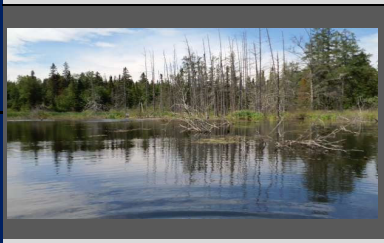
Method: Minnow Trap
Fish Species Captured: Common Shiner,
Common Shiner, Finescale Dace, Northern Redbelly Dace, Brook Stickleback

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Low
Perch	Medium	Medium	Nil	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Medium	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: At crossing looking upstream towards beaver impoundment

Photograph B: Upstream beaver impoundment looking upstream



Photograph C: Inlet 1 channel looking downstream into downstream wetland

Photograph D: Inlet 1 channel looking downstream 25 m downstream of the access road

Photograph E: Pool at the end of inlet 1 channel 35 m downstream of the crossing looking downstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3006**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-26
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.48928 Long:	-89.13230
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover (%):	N/A
Precipitation Amount/Type:	N/A
Wind Direction:	N/A
Wind Rate:	N/A
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel with no water present.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

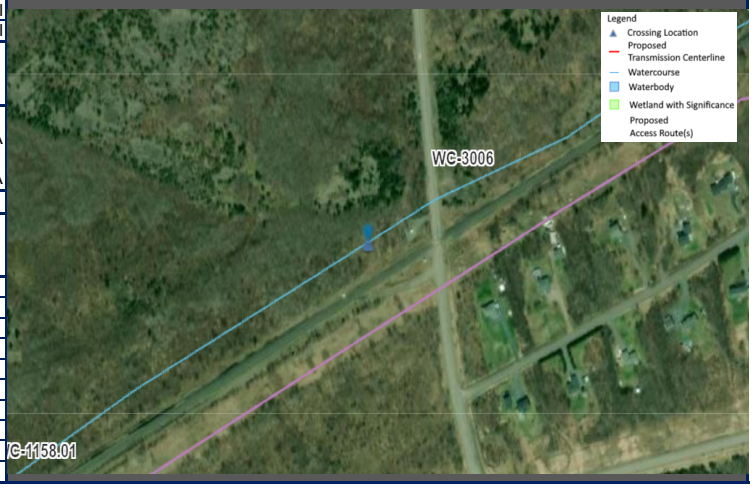
Photograph B: N/A[a]

Photograph C: N/A[a]

Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-3015

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-17
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.48211 Long:	-89.22709
Weather Conditions	
Air Temp (°C):	21
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	50
Visual Permanency:	Non-Permanent
Pattern :	Braided
Confinement:	Occasionally Confined
Form:	Open
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.19
Wetted Width (m):	1.67
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	0.27
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.12
Conductivity (µS/cm):	408.41
pH:	6.1
Turbidity (NTU):	1.23
DO (mg/L):	3.3
Fish Habitat Data	
In-water Cover Features:	Vegetation/Substrate
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Dense Vegetation

General Description:
Wetland complex composed of braided channels, small pools, and dense vegetation.

Fish Species Captured

Method: N/A

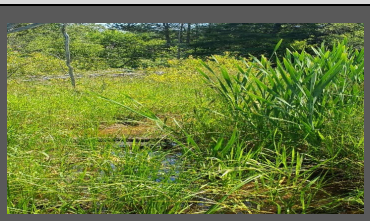
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

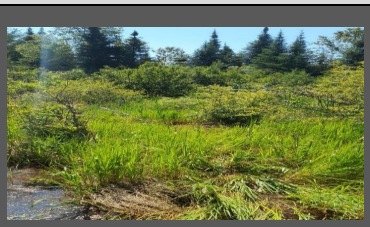
Photograph A: Section of standing water within the wetland

Photograph B: Upstream of the crossing location



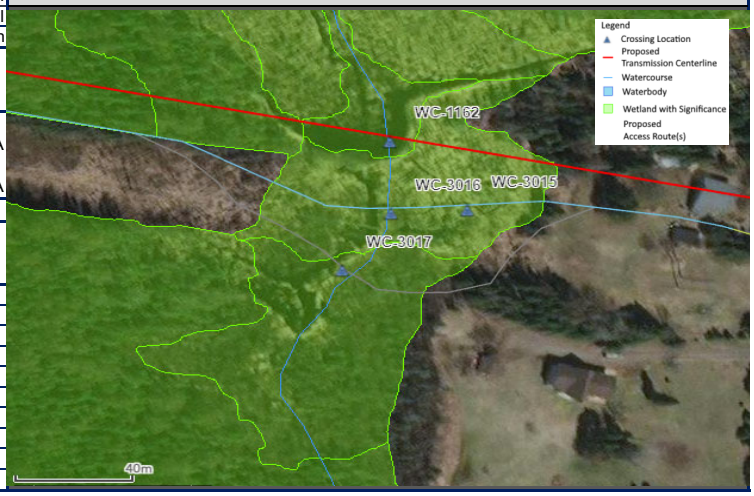
Photograph C: Downstream of the crossing location

Photograph D: Right downstream bank at the crossing location



Photograph E: Left downstream bank at the crossing location

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3016**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-18
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.48216 Long:	-89.22736
Weather Conditions	
Air Temp (°C):	29
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	32
Visual Permanency:	Non-Permanent
Pattern :	Meander Scrolls
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.5
Wetted Width (m):	2
Bank Height (m):	0.44
Bankfull Width (m):	2
Maximum Depth (m):	1.1
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	22.13
Conductivity (µS/cm):	430.08
pH:	6.9
Turbidity (NTU):	13.64
DO (mg/L):	2.27
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Wetland complex with flooded channels throughout with dense vegetation and an old beaver dam blocking flow downstream.

Fish Species Captured

Method: Observation

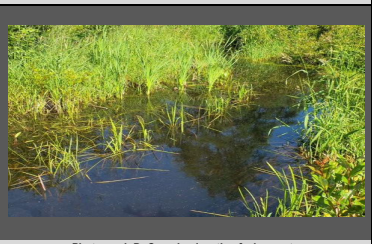
Fish Species Captured: Chrosomus spp. (obs)

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Moderate	Moderate	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Moderate	Moderate	Moderate	Nil
Other	Nil	Nil	Nil	Nil

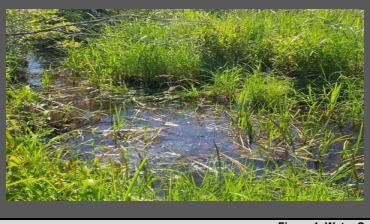
Photograph A: Crossing location facing southwest

Photograph B: Crossing location facing northwest



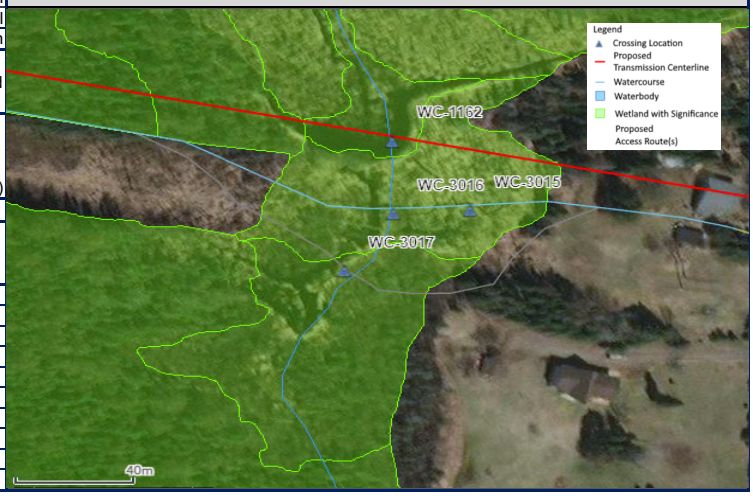
Photograph C: Crossing location facing northeast

Photograph D: Crossing location facing east



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-3017

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-18
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.48190 Long:	-89.22768
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	50
Visual Permanency:	Non-Permanent
Pattern :	Beaver impoundment
Confinement:	N/A
Slope:	Moderate
Stage:	Flooded
Riparian Vegetation SD1:	Grass/Shrubs
Riparian Vegetation SD2:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.35
Wetted Width (m):	6
Bank Height (m):	N/A
Bankfull Width (m):	6
Maximum Depth (m):	0.45
Substrate at Crossing	
SD1:	Organics/Silt
Bed:	Organics/Silt
SD2:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	21.56
Conductivity (µS/cm):	421.49
pH:	7.16
Turbidity (NTU):	2.01
DO (mg/L):	1.8
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Medium-sized waterbody with moderately defined bed and banks, and stable channel conditions.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

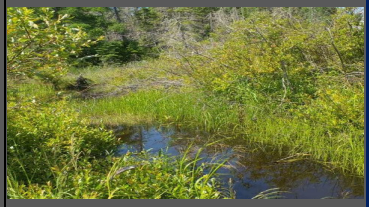
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Moderate	Moderate	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Moderate	Moderate	Moderate	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Downstream view of the crossing where the channel opens up

Photograph B: Upstream view at the crossing location

Photograph C: Downstream view at the crossing location



Photograph D: Channel located downstream of the crossing

Photograph E: Crossing location facing southeast

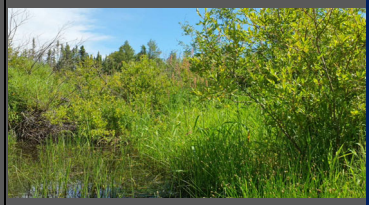
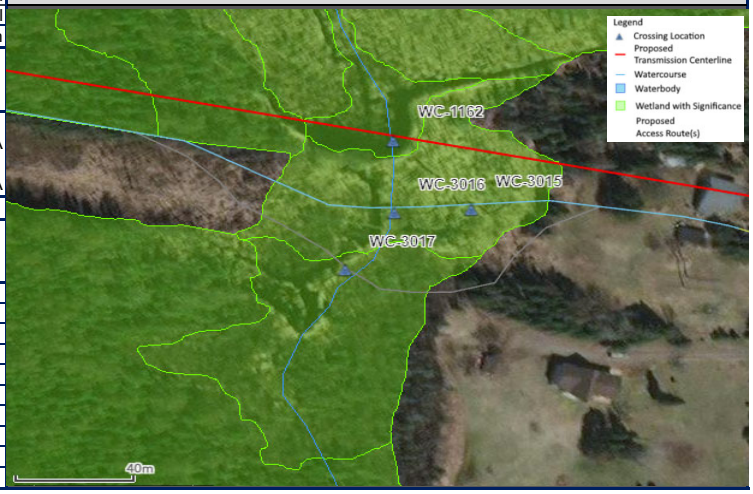


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3021**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-26
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.48685 Long:	-89.26535
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Coniferous Forest/Grass
Riparian Vegetation RDB:	Coniferous Forest/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Organics
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel but potential drainage pathway, however dry at crossing with no sign of recent water flow during investigations.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

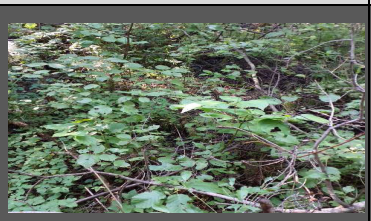
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 25 m north of crossing facing north towards swamp pools

Photograph B: Near crossing facing north

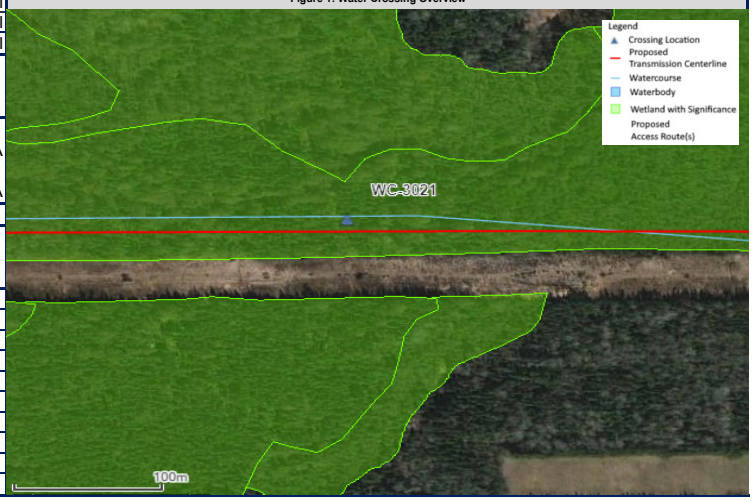
Photograph C: Near crossing facing south

Photograph D: 25 m north of crossing facing south



Photograph E: 25 m south of crossing facing north

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-3022

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-08-21
Alt. Route Segment:				1B-1 / 1B-2
Coordinates of Crossing:	Lat:	48.48663	Long:	-89.27824
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				0
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Riffle
Length Assessed (m):				185
Visual Permanency:				Permanent
Pattern :				Regular Meander
Confinement:				Occasionally Confined
Form:				Incised
Stage:				Moderate
Riparian Vegetation LDB:				Deciduous Forest/Grass/Shrubs
Riparian Vegetation RDB:				Deciduous Forest/Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.1
Wetted Width (m):				0.6
Bank Height (m):				0.4
Bankfull Width (m):				1
Maximum Depth (m):				0.26
Substrate at Crossing				
LDB:				Sand/Silt/Boulder/Gravel/Organics
Bed:				Sand/Silt/Boulder/Gravel/Organics
RDB:				Sand/Silt/Boulder/Gravel/Organics
Water Quality				
Water Colour:				Clear
Temperature (°C):				12.29
Conductivity (µS/cm):				275.2
pH:				7.91
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Vegetation/Woody Debris/Undercut Banks
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Drop/Subsurface Flow

General Description:
Small permanent watercourse with moderately defined bed and banks, and stable channel conditions.

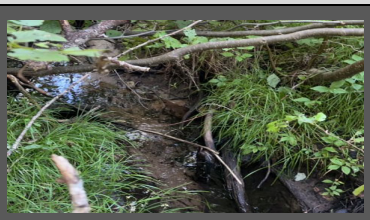
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

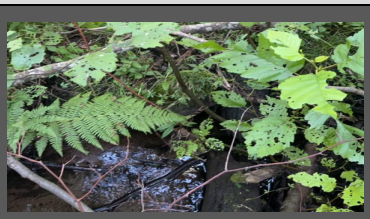
Photograph A: Riffle morphology at the crossing

Photograph B: Upstream view of the crossing



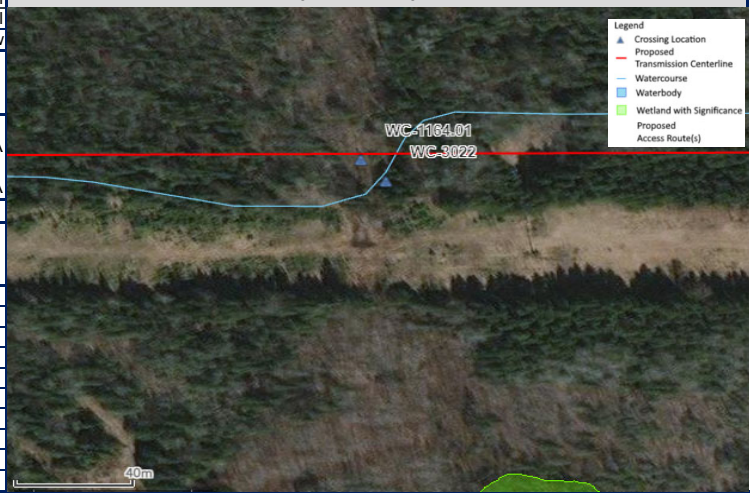
Photograph C: Downstream view of the crossing

Photograph D: Right downstream bank of the crossing



Photograph E: Left downstream bank of the crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3035**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-27
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.50825 Long:	-89.45462
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond/SSF/Pool(US)/Riffle/Flat/No Defined Channel(DS)
Length Assessed (m):	160
Visual Permanency:	Permanent
Pattern :	Irregular Meander
Confinement:	Frequently Confined
Form:	Incised
Stage:	Low
Riparian Vegetation LDB:	Coniferous Forest/Grass/Bare
Riparian Vegetation RDB:	Coniferous Forest/Grass/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.14
Wetted Width (m):	4
Bank Height (m):	0.55
Bankfull Width (m):	N/A
Maximum Depth (m):	0.35
Substrate at Crossing	
LDB:	Organics/Boulder
Bed:	Organics/Boulder
RDB:	Organics/Boulder
Water Quality	
Water Colour:	Clear
Temperature (°C):	13.7
Conductivity (µS/cm):	202.02
pH:	7.62
Turbidity (NTU):	4.15
DO (mg/L):	10.01
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Vegetation/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Small permanent watercourse with poorly defined bed and banks, unconfined and stable channel conditions.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Brook Stickleback

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 25 m upstream facing upstream; fallen tree branch

Photograph B: 25 m upstream facing downstream

Photograph C: 20 m upstream facing upstream

Photograph D: 25 m upstream facing downstream; channel goes underground

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3042**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-28
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52135 Long:	-89.50653
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Dry
Riparian Vegetation LDB:	Grass/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Grass/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	0.425
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Silt/Organics/Cobble/Boulder
Bed:	Silt/Organics/Cobble
RDB:	Silt/Organics/Cobble
Water Quality	
Water Colour:	Clear
Temperature (°C):	17.12
Conductivity (µS/cm):	69.85
pH:	7.65
Turbidity (NTU):	5.56
DO (mg/L):	8.51
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing was dry at the time of the assessment. Historical channel exists but no flow or water. Three metres from the watercourse at WC-1182.01.

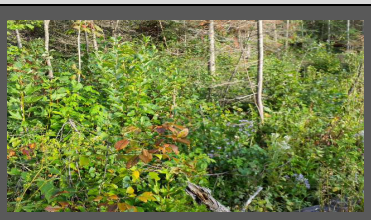
Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Finescale Dace, Northern Redbelly Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Medium	High
Other	Nil	Nil	Nil	Low

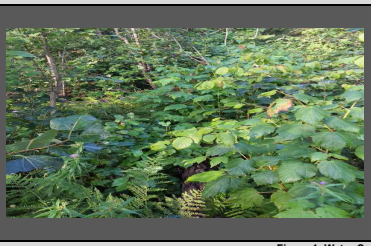
Photograph A: Substrate within old undefined channel at crossing

Photograph B: At crossing looking north (Old left downstream bank)



Photograph C: At crossing looking south towards existing channel and watercourse (old right downstream bank)

Photograph D: At crossing looking west (upstream)



Photograph E: At crossing looking east towards wetland (downstream)

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3043**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-29
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing:	Lat: 48.52112 Long: -89.50683
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Run/Flat/Riffle/Pool(US)/Impoundment(DS)
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Grass/Mixed Forest/ Shrubs
Riparian Vegetation RDB:	Grass/Mixed Forest/ Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.05
Wetted Width (m):	0.6
Bank Height (m):	0.5
Bankfull Width (m):	1.2
Maximum Depth (m):	0.1
Substrate at Crossing	
LDB:	Silt/Organics/Cobble
Bed:	Silt/Organics/Cobble
RDB:	Silt/Organics/Cobble
Water Quality	
Water Colour:	Clear
Temperature (°C):	17.12
Conductivity (µS/cm):	69.85
pH:	7.65
Turbidity (NTU):	5.56
DO (mg/L):	8.51
Fish Habitat Data	
In-water Cover Features:	Vegetation/Substrate/Woody Debris/Depth
Sensitive Features:	Islands, Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Drop, Beaver Dam

General Description:

Permanent watercourse with stable well-defined bed and banks, within dense forest habitat. Located on the upstream of crossing 1182.01.

Fish Species Captured

Method: Minnow Trap

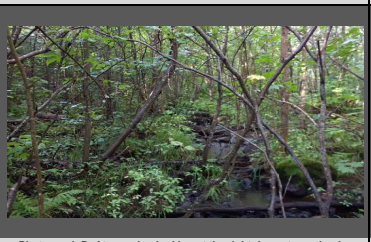
Fish Species Captured: Finescale Dace, Northern Redbelly Dace

Fish Habitat Potential Summary

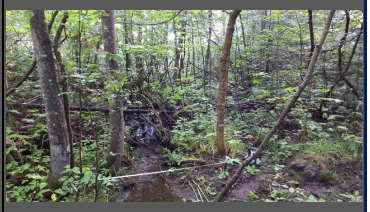
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Medium	High
Other	Nil	Nil	Nil	Low

Photograph A: Substrate at crossing

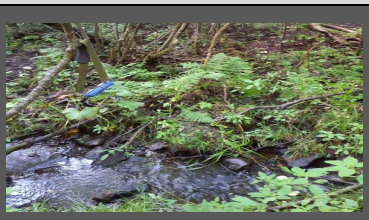
Photograph B: At crossing looking upstream



Photograph C: At crossing looking downstream

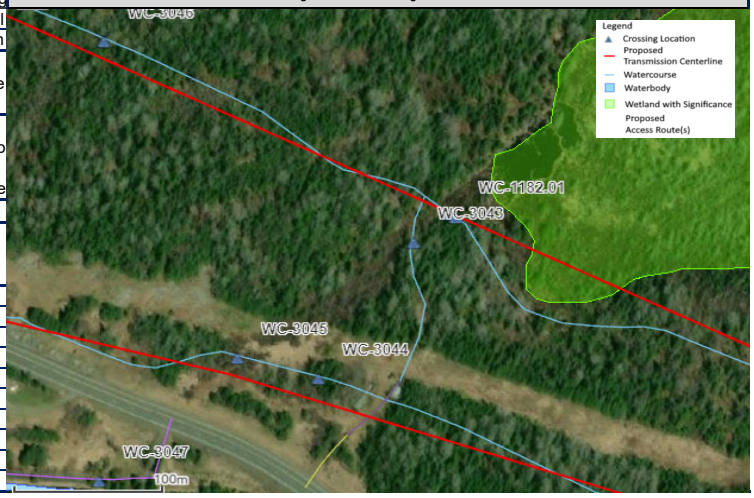


Photograph D: At crossing looking at the right downstream bank



Photograph E: At crossing looking at the left downstream bank

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3044**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-28
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52024 Long:	-89.50768
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Shrubs/Coniferous Forest
Riparian Vegetation RDB:	Grass/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
The crossing is located in a lowland drainage area with no water or channel, which slopes northward into a wetland.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

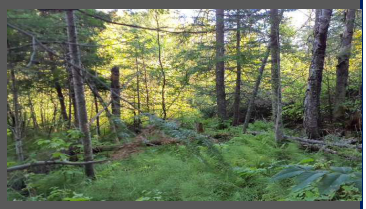
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

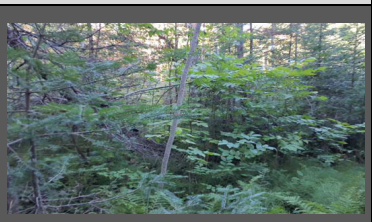
Photograph A: Crossing vegetation and substrate

Photograph B: At crossing looking upstream (south)

Photograph C: At crossing looking downstream (north) toward wetland

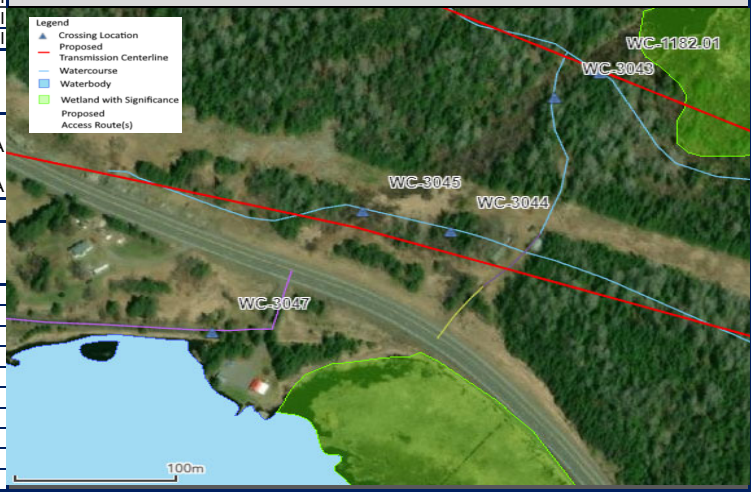


Photograph D: At crossing looking west



Photograph E: At crossing looking east

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3045**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-29
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52113 Long:	-89.50682
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Riffle(DS)/Run/Pool(US)/Flat(DS)
Length Assessed (m):	159
Visual Permanency:	Permanent
Pattern :	Regular Meander
Confinement:	Unconfined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Deciduous Forest/Grass/Shrubs
Riparian Vegetation RDB:	Deciduous Forest/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.4
Wetted Width (m):	1.15
Bank Height (m):	0.35
Bankfull Width (m):	16.83
Maximum Depth (m):	1.7
Substrate at Crossing	
LDB:	Organics/Silt/Coarse Sand
Bed:	Silt/Organics
RDB:	Silt/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	19.69
Conductivity (µS/cm):	389.14
pH:	7.1
Turbidity (NTU):	25.03
DO (mg/L):	5.67
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Iron Staining
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Drop/Subsurface Flow/Perched Culvert

General Description:
The crossing is located in a dense wetland and lowland drainage flooding in some areas. Watercourse starts upstream at a deep manmade pool.

Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Finescale Dace, Northern Redbelly Dace

Fish Habitat Potential Summary

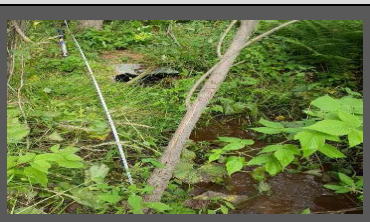
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Low
Other	Low	Low	Low	Low

Photograph A: At crossing looking downstream

Photograph B: At crossing looking upstream

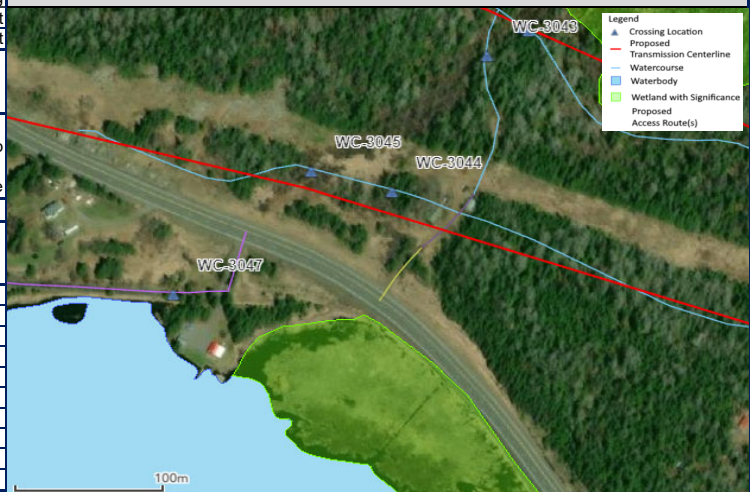
Photograph C: Substrate near crossing

Photograph D: 25m upstream of crossing looking downstream at the upstream culvert



Photograph E: Downstream culvert 18m upstream of the crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3047**

Waterbody Name:	Mud Lake
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-29
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.52067 Long:	-89.51330
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Lake
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Grass/Shrubs/Bare
Riparian Vegetation SD2:	Muskeg/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1
Wetted Width (m):	555
Bank Height (m):	0.2
Bankfull Width (m):	590
Maximum Depth (m):	>1
Substrate at Crossing	
SD1:	Organic/Sand/Silt
Bed:	Sand/Clay/Gravel/Cobble/Boulder
SD2:	Organic/Sand/Silt
Water Quality	
Water Colour:	Blue
Temperature (°C):	18.17
Conductivity (µS/cm):	195.25
pH:	7.9
Turbidity (NTU):	3.48
DO (mg/L):	8.26
Fish Habitat Data	
In-water Cover Features:	Substrate/Woody Debris/Depth/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Mud Lake is a pernament waterbody, which has sandy clay substrate with minimal boulders, woody debris, and moderate aquatic vegetation.

Fish Species Captured
Method: Minnow Trap
Fish Species Captured:
Northern Redbelly Dace, Fathead Minnow, Brook Stickleback, Pearl Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	High	High	Low	High
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	Low	High
Perch	High	High	Medium	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	High
Other	Nil	Nil	Medium	Nil

Photograph A: North shore of Mud Lake facing West

Photograph B: North shore of Mud Lake facing East

Photograph C: Bank of lake

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3048**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-02
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing:	Lat: 48.52149 Long: -89.51409
Weather Conditions	
Air Temp (°C):	29
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Riffle(DS)/Run(DS)/Pool(DS)/Flat/Cascade(DS)
Length Assessed (m):	210
Visual Permanency:	Permanent
Pattern :	Truncated Meander
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Grass
Riparian Vegetation RDB:	Mixed Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.14
Wetted Width (m):	1.52
Bank Height (m):	1.25
Bankfull Width (m):	7.55
Maximum Depth (m):	0.4
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.72
Conductivity (µS/cm):	1192
pH:	7.62
Turbidity (NTU):	19.4
DO (mg/L):	7.95
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Iron Staining/ Gravel Bar
Existing Infrastructure:	Bridge
Fish Impediments/Barriers:	Debris Pile/Subsurface Flow/Drop/Vegetation

General Description:
The crossing is located in a wetland before connecting to the downstream watercourse with a series of steep drops, pooling runs, flats and minor riffles.

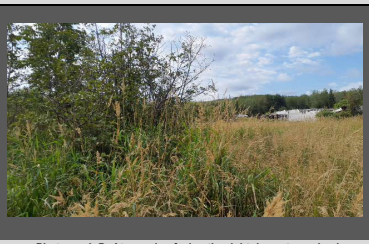
Fish Species Captured
Method: Electrofishing
Fish Species Captured:
Pearl Dace, Northern Redbelly Dace, Fathead Minnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	Nil
Other	Medium	Medium	Medium	Nil

Photograph A: Crossing vegetation and substrate

Photograph B: At crossing looking upstream



Photograph C: At crossing looking downstream towards wetland

Photograph D: At crossing facing the right downstream bank

Photograph E: Downstream culvert 18m upstream of the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3054**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-09
Alt. Route Segment:	1B-1 / 1B-2
Coordinates of Crossing: Lat: 48.53727 Long:	-89.55909
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Grass/Coniferous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel located in the upland area at the top of the nearby berm.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

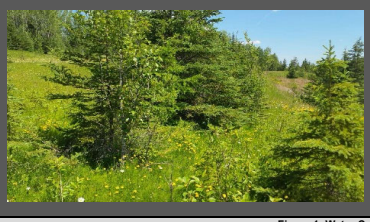
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground cover at crossing

Photograph B: West at crossing

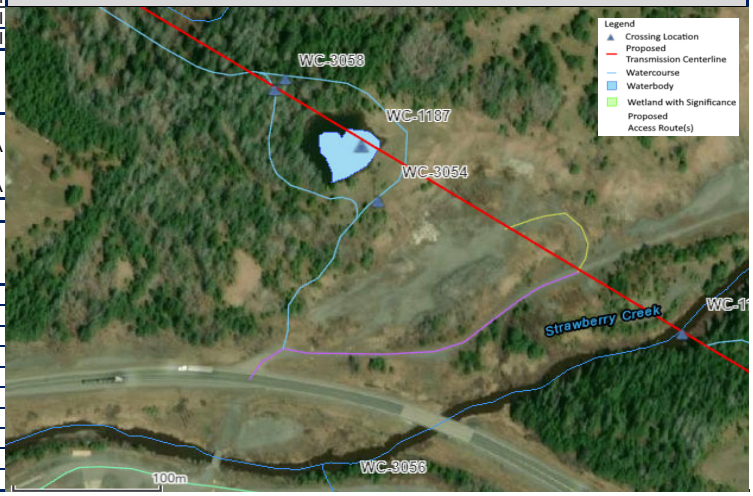
Photograph C: South at crossing

Photograph D: East at crossing



Photograph E: North at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3068**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-18
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.49733 Long:	-89.09305
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel(US/DS)/Run(US/DS)/Flat(DS)
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	Winding
Confinement:	Occasionally Confined
Form:	Open
Stage:	Low
Riparian Vegetation LDB:	Shrubs/Grass
Riparian Vegetation RDB:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.02
Wetted Width (m):	2
Bank Height (m):	2.1
Bankfull Width (m):	4
Maximum Depth (m):	0.35
Substrate at Crossing	
LDB:	Sand/Gravel/Silt
Bed:	Sand/Gravel/Cobble/Silt
RDB:	Sand/Gravel/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	15.88
Conductivity (µS/cm):	249.9
pH:	7.36
Turbidity (NTU):	2.12
DO (mg/L):	9.25
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Iron staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Watercourse is mostly undefined, with a small defined section of channel dowstream of the crossing. Dries up 80 m downstream.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

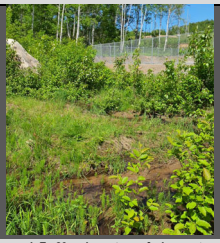
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

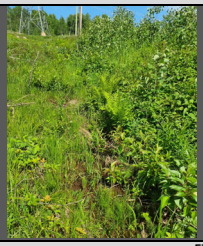
Photograph A: Crossing facing upstream

Photograph B: 15 m downstream facing downstream

Photograph C: Downstream 30 m facing upstream



Photograph D: Upstream 30 m facing upstream



Photograph E: 80 m downstream facing upstream

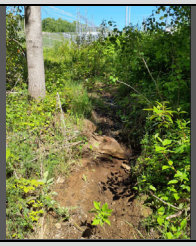


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3071**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-20
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.50702 Long:	-89.12066
Weather Conditions	
Air Temp (°C):	15
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	Winding
Confinement:	Occasionally Confined
Form:	Open
Stage:	High
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	10.75
Conductivity (µS/cm):	135
pH:	7.65
Turbidity (NTU):	2.4
DO (mg/L):	11.53
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Substrate is mostly boulder. The watercrossing was drying up during survey, suggests it is a drainage feature.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

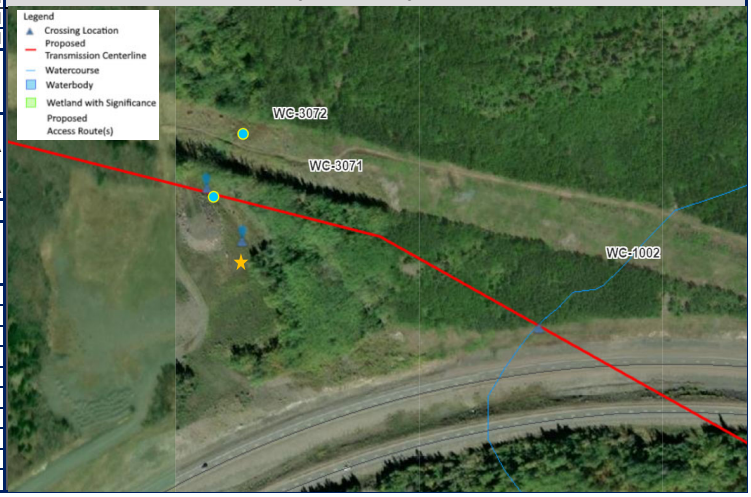
Photograph B: N/A[a]

Photograph C: N/A[a]

Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3072**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-19
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.50748 Long:	-89.12034
Weather Conditions	
Air Temp (°C):	10
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Rain
Wind Direction:	South
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	Winding
Confinement:	Occasionally Confined
Form:	Irregular
Stage:	Low
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	10.75
Conductivity (µS/cm):	135
pH:	7.65
Turbidity (NTU):	2.4
DO (mg/L):	11.53
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

High water levels due to rain event. Flow decreased during assessment and braiding/overflow decreased. Drainage due to low point.

Fish Species Captured

Method: N/A

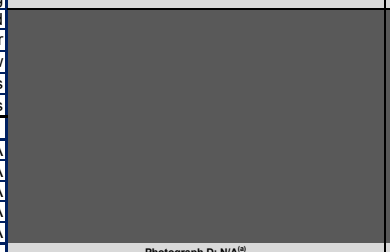
Fish Species Captured: N/A

Fish Habitat Potential Summary

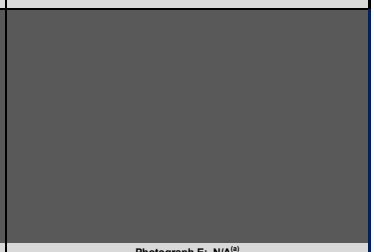
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

Photograph B: N/A[a]



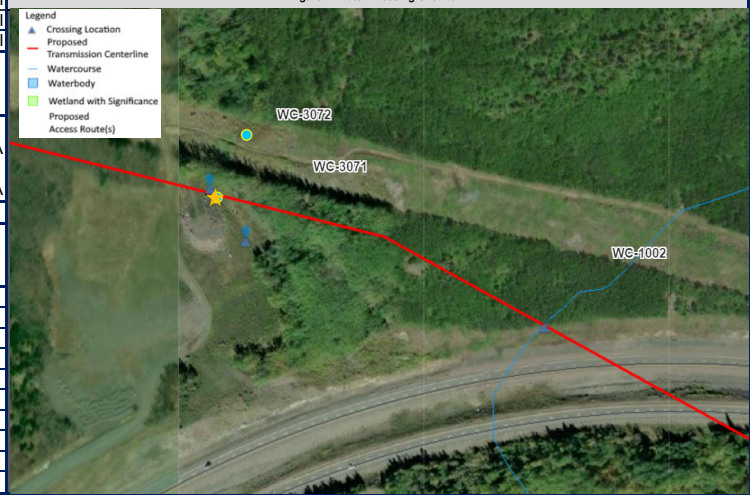
Photograph C: N/A[a]



Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3074**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-21
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.50941 Long:	-89.13121
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Pool(US)
Length Assessed (m):	50
Visual Permanency:	Non-Permanent
Pattern :	Braided
Confinement:	N/A
Form:	Broad
Stage:	Moderate
Riparian Vegetation LDB:	Deciduous Forest/Shrubs/Grass
Riparian Vegetation RDB:	Deciduous Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.14
Wetted Width (m):	2
Bank Height (m):	0.45
Bankfull Width (m):	28
Maximum Depth (m):	0.17
Substrate at Crossing	
LDB:	N/A
Bed:	Organics/Silt
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	16.72
Conductivity (µS/cm):	163.48
pH:	6.76
Turbidity (NTU):	0.21
DO (mg/L):	2.51
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow/Dense Terrestrial Vegetation

General Description:
Undefined pooling and no defined banks within a deciduous forest with some understory. No flow observed and ends at centre point.

Fish Species Captured

Method: N/A

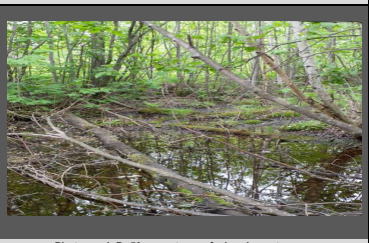
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Dense terrestrial vegetation

Photograph B: At crosssing

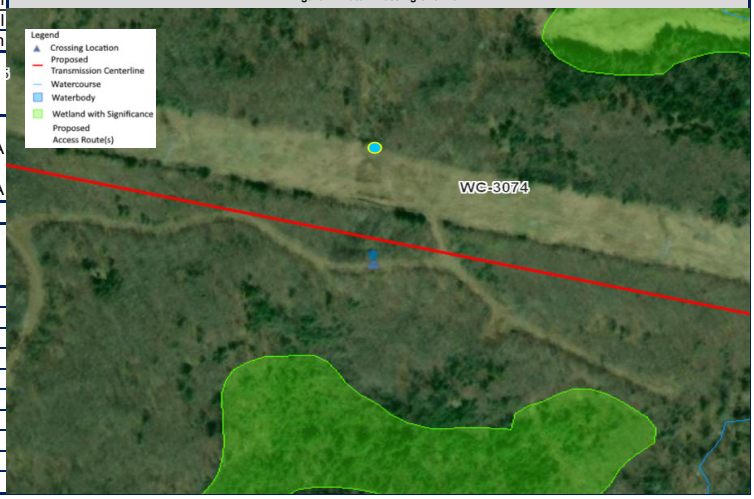


Photograph C: At crossing

Photograph D: 50 m upstream, facing downstream

Photograph E: 50 m upstream facing upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3075**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-21
Alt. Route Segment:	1
Coordinates of Crossing:	Lat: 48.509 Long: -89.135
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Pool
Length Assessed (m):	60
Visual Permanency:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Flat
Stage:	Moderate
Riparian Vegetation SD1:	Grass/Deciduous Forest/Shrubs/Bare
Riparian Vegetation SD2:	Grass/Deciduous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.45
Wetted Width (m):	40
Bank Height (m):	0.7
Bankfull Width (m):	44
Maximum Depth (m):	0.6
Substrate at Crossing	
SD1:	Organics/Silt/Boulder
Bed:	Organics/Silt/Boulder
SD2:	Organics/Silt/Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.2
Conductivity (µS/cm):	139.31
pH:	7.1
Turbidity (NTU):	0
DO (mg/L):	4.82
Fish Habitat Data	
In-water Cover Features:	Vegetation/Depth/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Isolated wetland

General Description:
60m by 40m confined to bowl shape in lowlying area. No inlet/outlet. Adjacent to atv trails and under hydro line with maintained lowlying vegetation.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Bank of isolated wetland

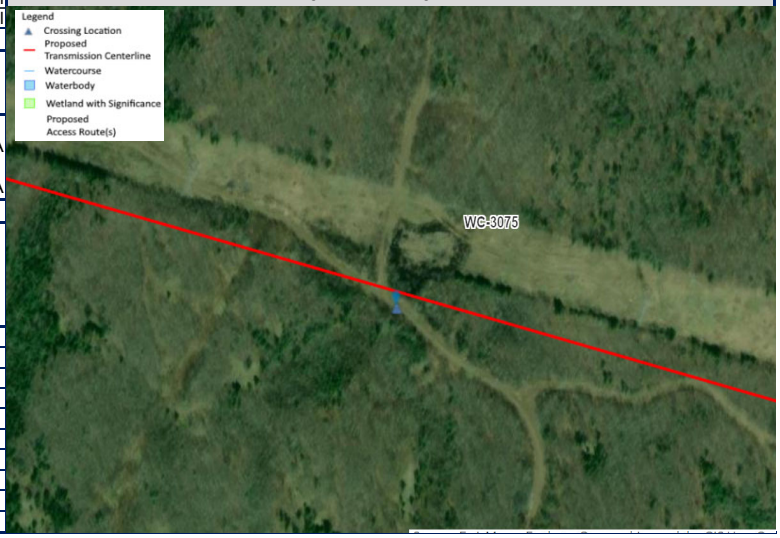
Photograph B: East edge

Photograph C: North edge

Photograph D: East wetland

Photograph E: East riparian

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3082**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.52281 Long:	-89.22114
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	High
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	156
Visual Permanency:	Non-Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Flat
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/Grass/Bare
Riparian Vegetation SD2:	Shrubs/Grass/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.3
Wetted Width (m):	57.81
Bank Height (m):	0.5
Bankfull Width (m):	57.39
Maximum Depth (m):	0.93
Substrate at Crossing	
SD1:	Organics/Silt/Cobble/Boulder
Bed:	Organics/Silt/Cobble/Boulder
SD2:	Organics/Silt/Cobble/Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	22.12
Conductivity (µS/cm):	140.75
pH:	7.21
Turbidity (NTU):	0.09
DO (mg/L):	6.04
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Vegetation/Depth/Substrate
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
The upslope reach is a pond that is 115 m long along a trail with no input or flow. Downslope reach consisted of pooled and subsurface flow.

Fish Species Captured

Method: Minnow Trap

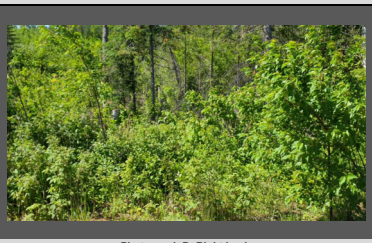
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Fish barrier

Photograph B: Downstream at crossing

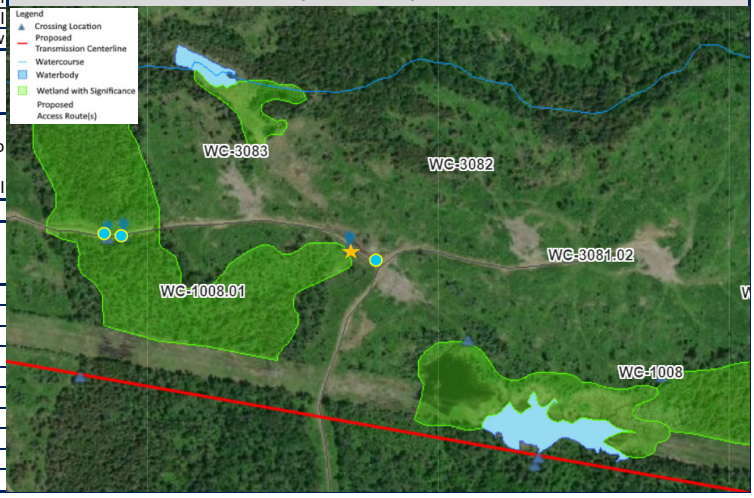


Photograph C: Upstream at crossing

Photograph D: Right bank

Photograph E: Left bank

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3083**

Waterbody Name:			Unnamed
Waterbody Type:			Watercourse
Date surveyed:			2022-06-22
Alt. Route Segment:			1
Coordinates of Crossing:	Lat:	48.52313 Long:	-89.22594
Weather Conditions			
Air Temp (°C):			23
Cloud Cover (%):			<25
Precipitation Amount/Type:			None
Wind Direction:			Northwest
Wind Rate:			Moderate
Reach Data			
Habitat Type:			No Defined Channel/Pool(US)/Flat(DS)
Length Assessed (m):			56
Visual Permanency:			Non-Permanent
Pattern :			N/A
Confinement:			N/A
Form:			N/A
Stage:			Moderate
Riparian Vegetation LDB:			Muskeg/Coniferous Forest/Grass/Shrubs/Bare
Riparian Vegetation RDB:			Muskeg/Coniferous Forest/Grass/Shrubs/Bare
Channel Morphology Data at Crossing			
Wetted Depth (m):			0.28
Wetted Width (m):			4.5
Bank Height (m):			N/A
Bankfull Width (m):			8.5
Maximum Depth (m):			0.8
Substrate at Crossing			
LDB:			Organics/Sand/Silt
Bed:			Organics
RDB:			Organics/Sand/Silt
Water Quality			
Water Colour:			Clear
Temperature (°C):			16.23
Conductivity (µS/cm):			70.87
pH:			6.27
Turbidity (NTU):			0
DO (mg/L):			5.61
Fish Habitat Data			
In-water Cover Features:			Vegetation/Woody Debris
Sensitive Features:			Nil
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Subsurface Flow

General Description:
The watercourse crossing is along an existing atv trail which has water on either side. Upstream and downstream reaches have a small isolated pool.

Fish Species Captured

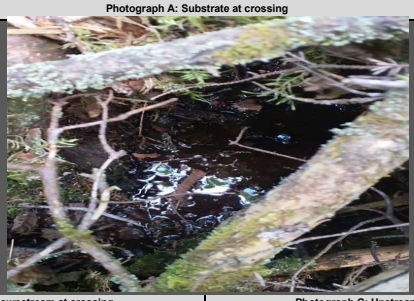
Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

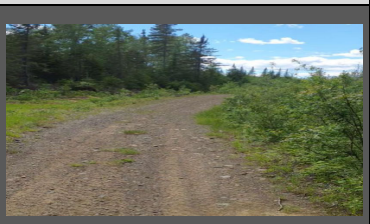
Photograph A: Substrate at crossing



Photograph B: Downstream at crossing

Photograph C: Upstream at crossing

Photograph D: Right downstream bank at crossing



Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3084**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.52315 Long:	-89.22625
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

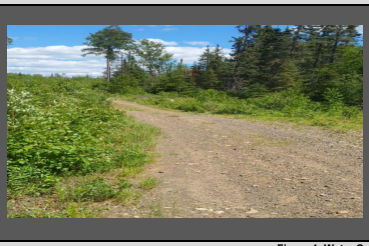
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in the vicinity of the crossing

Photograph B: Downslope at crossing

Photograph C: Upslope at crossing

Photograph D: Left downstream bank at crossing



Photograph E: Right downstream bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3095**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-30
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.52741 Long:	-89.27651
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	High
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Silt/Cobble/Boulder
Bed:	Silt/Cobble/Organics
RDB:	Silt/Cobble/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water or defined channel at crossing location, but 30 m downslope there is a patch of wet soil and shallow pooled water before becoming dry.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

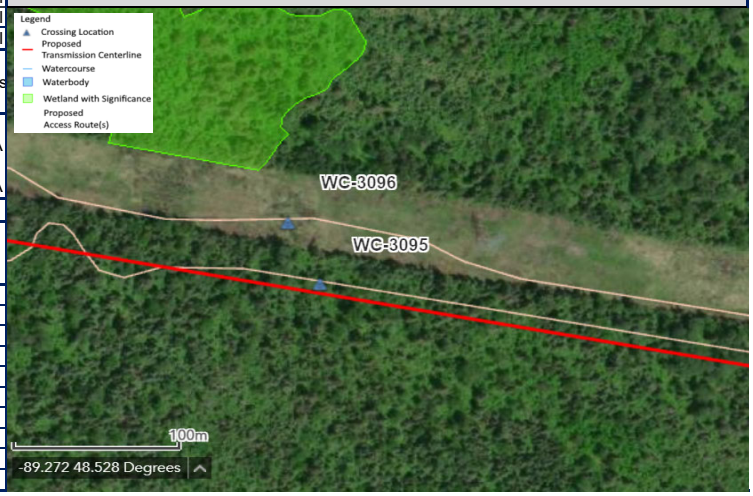
Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Right downstream bank

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3096**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-08-30
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.52777	Long:	-89.27690
Weather Conditions				
Air Temp (°C):				17
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				High
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Grass/Mixed Forest/Shrubs
Riparian Vegetation RDB:				Grass/Mixed Forest/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				Silt/Organics/Cobble
Bed:				Silt/Organics/Boulder
RDB:				Silt/Organics/Cobble
Water Quality				
Water Colour:				Clear
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Iron Staining
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Dense Terrestrial Vegetation

General Description:
Crossing site is located along the existing atv trail. The crossing has wet soil and a small pool in the track marks though no channel.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

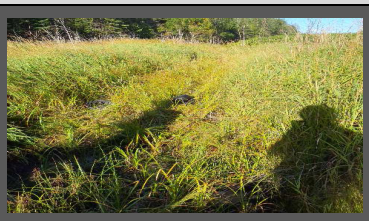
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Upstream at crossing

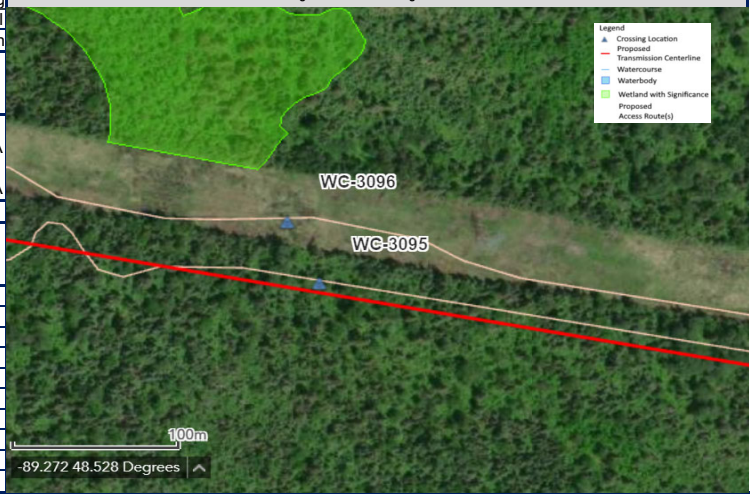
Photograph C: Downstream at crossing

Photograph D: Right downstream bank at crossing



Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3100**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.53750 Long:	-89.35140
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

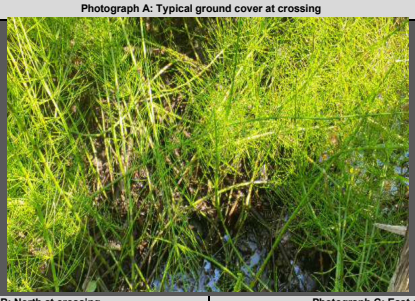
General Description:
The crossing is located on a berm adjacent to a shrubby bog, with a small amount of shallow water present and no suitable fish habitat.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

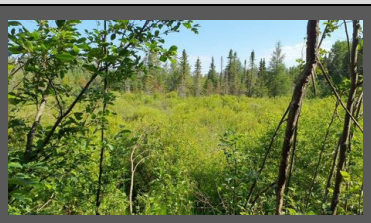
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical ground cover at crossing



Photograph B: North at crossing

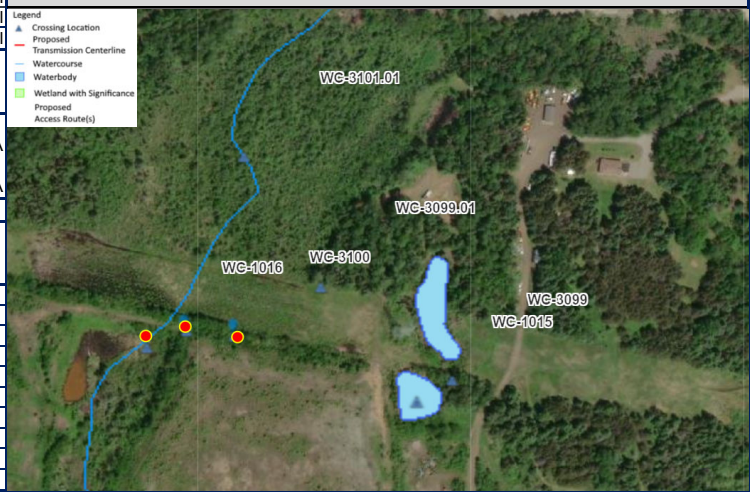


Photograph C: East at crossing

Photograph D: South at crossing

Photograph E: West at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3101**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-22
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.53757 Long:	-89.35192
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel or flow, only pockets of pooled water identified within the bog. A beaver impoundment is located southwest of the crossing.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

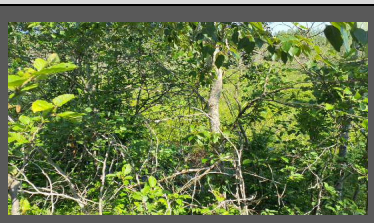
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Wetland south of crossing looking south

Photograph B: At crossing looking north towards thicket bog

Photograph C: At crossing looking south up access road embankment

Photograph D: At crossing looking west towards edge of bog and access road embankment



Photograph E: At crossing looking towards edge of bog and embankment

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3103**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-20
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.53907 Long:	-89.36443
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	N/A
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present.

Fish Species Captured

Method: N/A

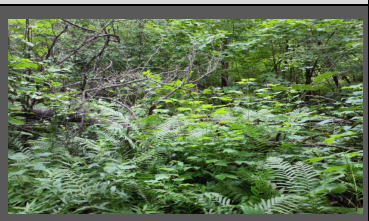
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

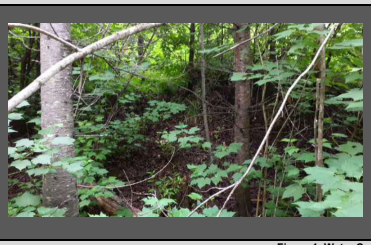
Photograph A: Typical ground cover

Photograph B: Densely vegetated, no water



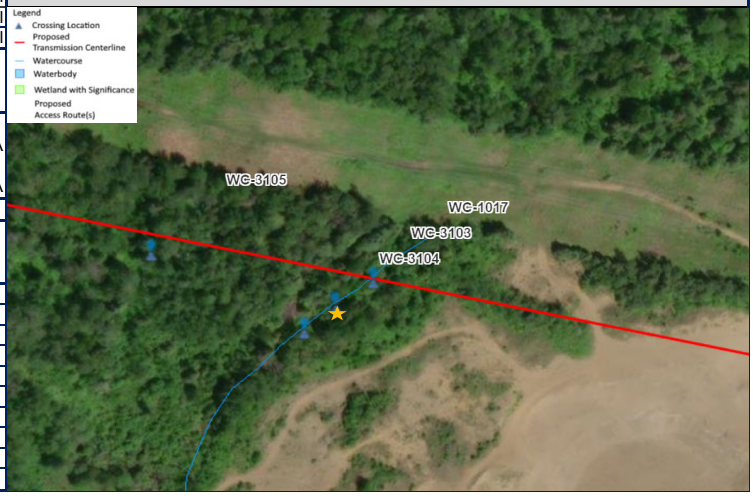
Photograph C: Densely vegetated, no water

Photograph D: Densely vegetated, no water



Photograph E: Sparsely vegetated, no water

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3104**

Waterbody Name:			Unnamed
Waterbody Type:			No Defined Channel
Date surveyed:			2022-07-20
Alt. Route Segment:			1
Coordinates of Crossing:	Lat:	48.53900 -89.36460	N/A
Weather Conditions			
Air Temp (°C):			N/A
Cloud Cover (%):			N/A
Precipitation Amount/Type:			N/A
Wind Direction:			N/A
Wind Rate:			N/A
Reach Data			
Habitat Type:			No Defined Channel
Length Assessed (m):			100
Visual Permanency:			Nil
Pattern :			N/A
Confinement:			N/A
Form:			N/A
Stage:			N/A
Riparian Vegetation LDB:			N/A
Riparian Vegetation RDB:			N/A
Channel Morphology Data at Crossing			
Wetted Depth (m):			N/A
Wetted Width (m):			N/A
Bank Height (m):			N/A
Bankfull Width (m):			N/A
Maximum Depth (m):			N/A
Substrate at Crossing			
LDB:			Organics/Silt
Bed:			Organics/Silt
RDB:			Organics/Silt
Water Quality			
Water Colour:			N/A
Temperature (°C):			N/A
Conductivity (µS/cm):			N/A
pH:			N/A
Turbidity (NTU):			N/A
DO (mg/L):			N/A
Fish Habitat Data			
In-water Cover Features:			Nil
Sensitive Features:			Nil
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Nil

General Description:
No defined channel and no water present.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical substrate

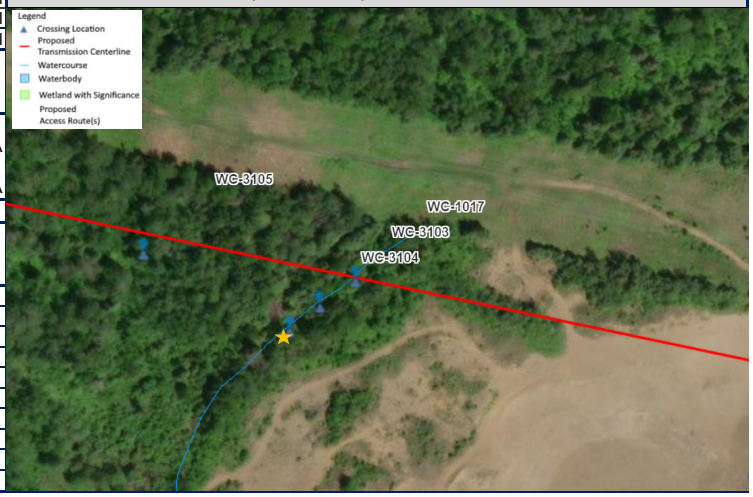
Photograph B: At crossing, no water.

Photograph C: At crossing, no water.

Photograph D: At crossing, no water.

Photograph E: At crossing, no water.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3105**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-20
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.53926 Long:	-89.36536
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	N/A
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present.

Fish Species Captured

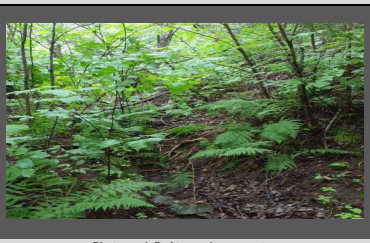
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground at crossing

Photograph B: At crossing, no water

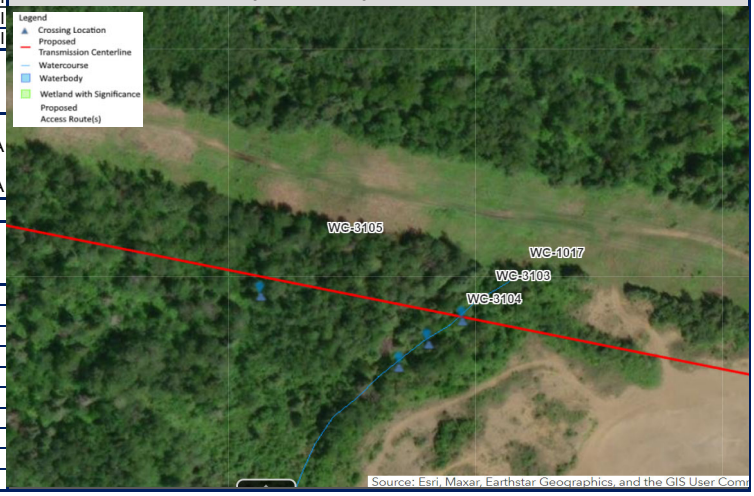


Photograph C: At crossing, no water

Photograph D: At crossing, no water

Photograph E: At crossing, no water

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3115**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-23
Alt. Route Segment:	1 / 1A
Coordinates of Crossing: Lat: 48.55236 Long:	-89.49835
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel(US)/Flat(DS)
Length Assessed (m):	221
Visual Permanency:	Non-Permanent
Pattern :	Irregular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Mixed Forest/Grass/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.09
Wetted Width (m):	1.7
Bank Height (m):	0.22
Bankfull Width (m):	8
Maximum Depth (m):	0.14
Substrate at Crossing	
LDB:	Clay/Silt/Organics
Bed:	Clay/Silt/Organics
RDB:	Clay/Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.46
Conductivity (µS/cm):	109.88
pH:	6.88
Turbidity (NTU):	115.37
DO (mg/L):	4.47
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Substrate
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow/Drop

General Description:
Crossing has a section of clear flow, but channel has been distorted by cattle crossings. Downstream the channel is incised and meanders.

Fish Species Captured

Method: Electrofishing

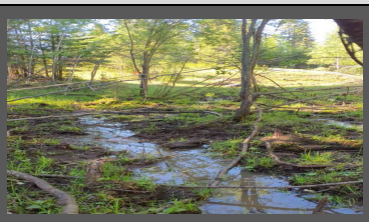
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical substrate at crossing

Photograph B: Looking downstream at crossing

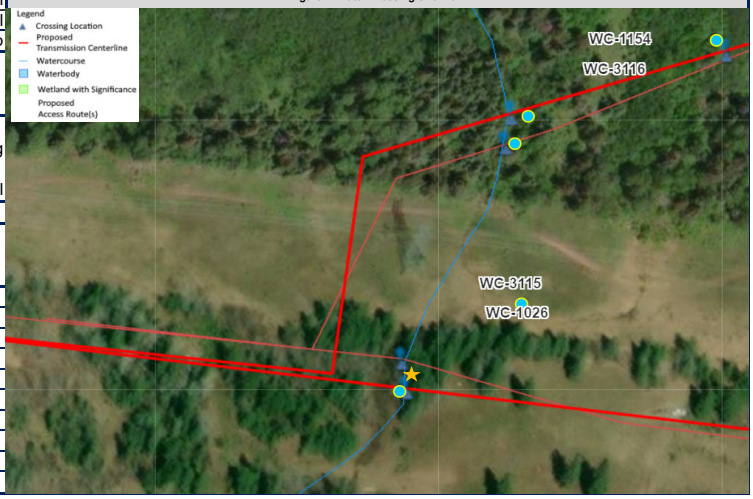


Photograph C: Looking upstream at crossing

Photograph D: Downstream 100 m, right downstream bank

Photograph E: Downstream 100 m, left downstream bank

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3116**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-22
Alt. Route Segment:				1 / 1A
Coordinates of Crossing:	Lat:	48.55290	Long:	-89.49838
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Moderate
Reach Data				
Habitat Type:				Flat(DS)
Length Assessed (m):				60
Visual Permanency:				Non-Permanent
Pattern :				Winding
Confinement:				Unconfined
Form:				Irregular
Stage:				Low
Riparian Vegetation LDB:				Coniferous Forest/Grass/Shrubs
Riparian Vegetation RDB:				Deciduous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.03
Wetted Width (m):				0.2
Bank Height (m):				0.15
Bankfull Width (m):				0.65
Maximum Depth (m):				0.1
Substrate at Crossing				
LDB:				Organics/Sand/Silt
Bed:				Organics/Sand/Silt
RDB:				Organics/Sand/Silt
Water Quality				
Water Colour:				Clear
Temperature (°C):				16.63
Conductivity (µS/cm):				84.01
pH:				6.83
Turbidity (NTU):				90.63
DO (mg/L):				4.22
Fish Habitat Data				
In-water Cover Features:				Overhanging Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:

Upstream and at crossing has poorly defined channel with trickle flow. Poorly defined channel to 60m downstream where defined channel ends.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

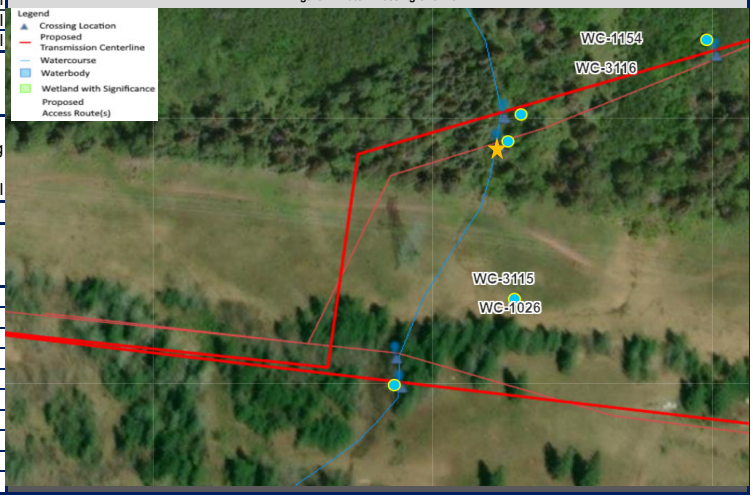
Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Left down bank at crossing

Photograph E: Right down bank at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3120**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-17
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.50656 Long:	-89.08102
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Riffle/Cascade(DS)/Flat(US/DS)/Run(DS)
Length Assessed (m):	200.5
Visual Permanency:	Permanent
Pattern :	Winding
Confinement:	Frequently Confined
Form:	Irregular
Stage:	Low
Riparian Vegetation LDB:	Bare/Grass/Shrubs
Riparian Vegetation RDB:	Bare/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.2
Wetted Width (m):	0.6
Bank Height (m):	0.1
Bankfull Width (m):	3.7
Maximum Depth (m):	<0.75
Substrate at Crossing	
LDB:	Gravel/Sand/Silt/Cobble
Bed:	Gravel/Sand/Cobble
RDB:	Gravel/Sand/Silt/Cobble
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.67
Conductivity (µS/cm):	86.88
pH:	7.06
Turbidity (NTU):	N/A
DO (mg/L):	9.14
Fish Habitat Data	
In-water Cover Features:	Substrate/Depth
Sensitive Features:	Groundwater Seep/Spring
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Debris Pile

General Description:
Upstream channel is narrow and incised, becoming poorly defined in sections with subsurface flow, before flowing into a cascade and small flat.

Fish Species Captured

Method: N/A

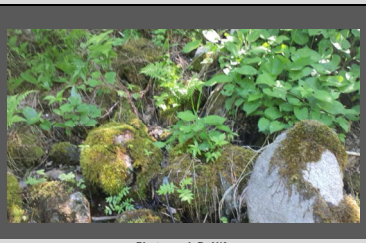
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Debris pile (fish barrier)

Photograph B: Groundwater seep/spring



Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3126**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-25
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.51130 Long:	-89.09149
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Deciduous Forest/Grass
Riparian Vegetation RDB:	Shrubs/Deciduous Forest/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is along ATV trail. Watercourse is dry, but there is evidence of a channel between 70 m upstream and 15m downstream of the crossing.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Directly downstream of culvert looking downstream at open floodplain

Photograph B: From roadway looking at upstream culvert

Photograph C: At roadway looking at downstream culvert

Photograph D: At downstream culvert looking upstream

Photograph E: 50 m downstream from the crossing facing upstream

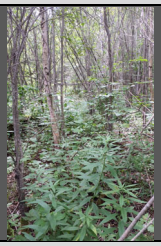
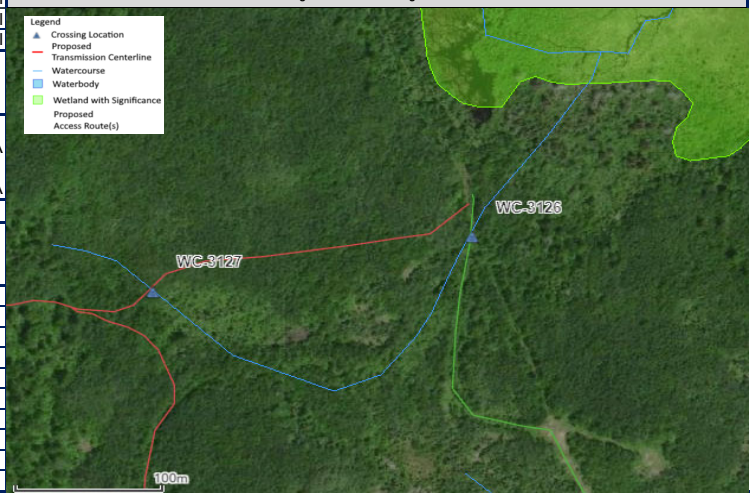


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3128**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-06-20
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.50613	Long:	-89.09517
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				0
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Flat(US)/Pool(DS)/Run(DS)/Subsurface Flow(DS)
Length Assessed (m):				150
Visual Permanency:				Permanent
Pattern :				Winding
Confinement:				Frequently Confined
Form:				Neutral
Stage:				Moderate
Riparian Vegetation LDB:				Mixed Forest/Shrubs/Grass
Riparian Vegetation RDB:				Mixed Forest/Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.1
Wetted Width (m):				1
Bank Height (m):				0.85
Bankfull Width (m):				1.5
Maximum Depth (m):				0.15
Substrate at Crossing				
LDB:				Boulder/Cobble/Sand/Silt/Organics
Bed:				Boulder/Cobble/Sand/Silt/Organics
RDB:				Boulder/Cobble/Sand/Silt/Organics
Water Quality				
Water Colour:				Tea
Temperature (°C):				9.6
Conductivity (µS/cm):				67.84
pH:				6.56
Turbidity (NTU):				0.23
DO (mg/L):				7.29
Fish Habitat Data				
In-water Cover Features:				Woody Debris/Overhanging Vegetation/Substrate
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow

General Description:
Pooling and flats upstream. Stagnant water, low flow, high organics & leaf litter. Downstream, some wetland pooling & subsurface flow.

Fish Species Captured

Method: N/A

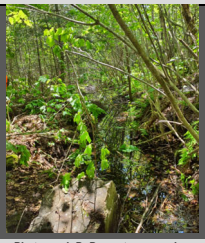
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Low	Nil
Other	Nil	Nil	Nil	Nil

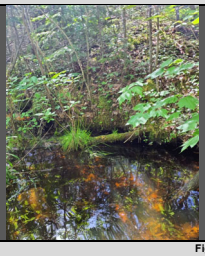
Photograph A: Upstream 50 m facing upstream origin

Photograph B: Upstream at crossing facing the right downstream bank



Photograph C: Right downstream bank at crossing

Photograph D: Downstream pool



Photograph E: Substrate at crossing

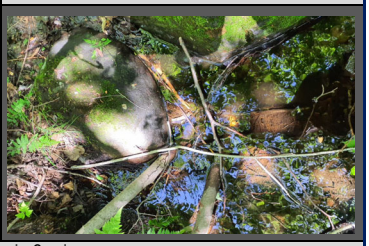


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3132**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-26
Alt. Route Segment:	1A
Coordinates of Crossing:	Lat: 48.54072 Long: -89.12841
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat/Pool (US)/Riffle (US)/Subsurface Flow (DS)
Length Assessed (m):	187
Visual Permanency:	Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Mixed Forest/Grass/Shrubs/Bare
Riparian Vegetation RDB:	Mixed Forest/Grass/Shrubs/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.28
Wetted Width (m):	4.85
Bank Height (m):	0.6
Bankfull Width (m):	9.33
Maximum Depth (m):	0.5
Substrate at Crossing	
LDB:	Silt/Organics/Cobble/Sand
Bed:	Silt/Organics
RDB:	Silt/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	9.97
Conductivity (µS/cm):	247.16
pH:	7.86
Turbidity (NTU):	0.18
DO (mg/L):	10
Fish Habitat Data	
In-water Cover Features:	Vegetation/ Woody Debris/Substrate
Sensitive Features:	groundwater seep / spring
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Crossing is in a deciduous forest with low banks and a mixture of flat, riffle and run habitat.

Fish Species Captured
Method: Electrofishing, Minnow Trap
Fish Species Captured: Nil

Fish Habitat Potential Summary

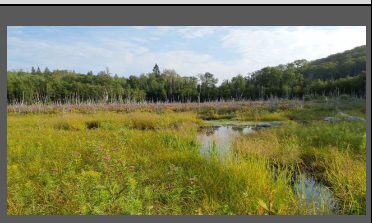
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial view near crossing location

Photograph B: At crossing looking upstream

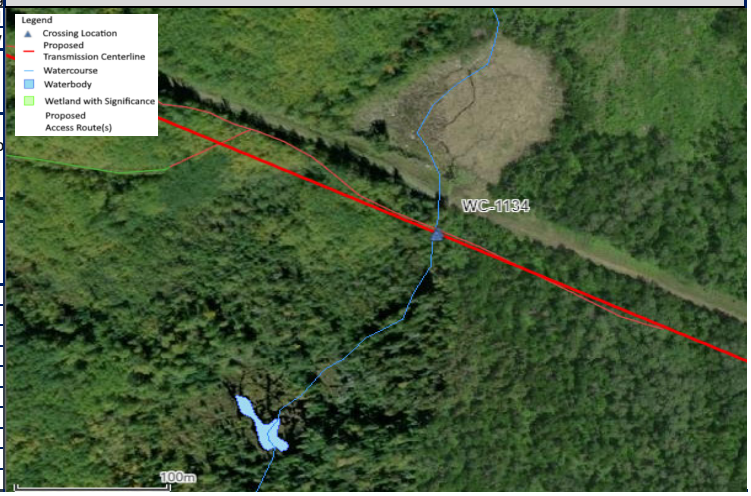
Photograph C: At crossing looking downstream

Photograph D: 25m upstream of crossing looking upstream towards wetland



Photograph E: Downstream culvert 25 m upstream of crossing looking upstream

Figure 1: Water Crossing Overview (watercrossing is very close to WC-1134)



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3136**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-18
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.53578 Long:	-89.14673
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	Straight
Confinement:	Unconfined
Form:	Neutral
Stage:	Pooled
Riparian Vegetation LDB:	Grass/Shrubs/Deciduous Forest/Bare
Riparian Vegetation RDB:	Shrubs/Grass/Coniferous Forest/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	Silt/Organics/Medium Gravel/Cobble
Bed:	Silt/Organics/Boulder
RDB:	Silt/Organics/Boulder
Water Quality	
Water Colour:	Clear
Temperature (°C):	14.59
Conductivity (µS/cm):	155.36
pH:	7.03
Turbidity (NTU):	0.06
DO (mg/L):	5.21
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Existing ATV trail through crossing location. No defined channel or flow at crossing. Dry, defined channel on the north side.

Fish Species Captured

Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: At crossing

Photograph C: Trail near crossing

Photograph D: Bank with vegetation

Photograph E: Crossing with no water

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3145**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-09-01
Alt. Route Segment:				1A
Coordinates of Crossing:	Lat:	48.55163	Long:	-89.19746
Weather Conditions				
Air Temp (°C):				14
Cloud Cover (%):				50-75
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel(DS)/Flat(DS)
Length Assessed (m):				120
Visual Permanency:				Non-Permanent
Pattern :				Regular Meander
Confinement:				Unconfined
Form:				N/A
Stage:				Dry
Riparian Vegetation LDB:				Shrubs/Deciduous Forest/Grass
Riparian Vegetation RDB:				Shrubs/Deciduous Forest/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Overhanging Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow

General Description:
Crossing is located at a undefined channel before channelizing into a dry defined channel. At 100 m downstream ground water inputs create a flat.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

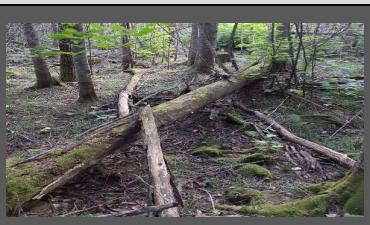
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Low	Low	Low	Nil

Photograph A: Ground at the crossing

Photograph B: At crossing looking upstream

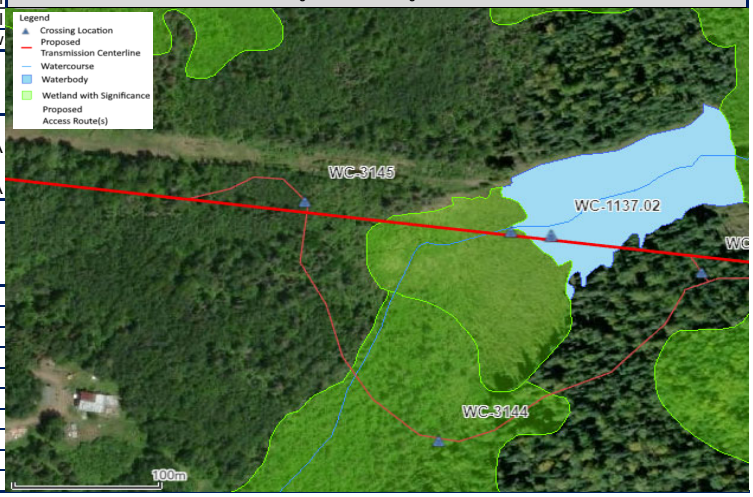
Photograph C: At crossing looking downstream

Photograph D: 25 m upstream looking downstream, subsurface flow continues



Photograph E: 25 m downstream looking upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3168**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-24
Alt. Route Segment:	1A
Coordinates of Crossing:	Lat: 48.55920 Long: -89.40442
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Pool (US/DS)
Length Assessed (m):	150
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Grass
Riparian Vegetation RDB:	Mixed Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.3
Wetted Width (m):	2.55
Bank Height (m):	0.01
Bankfull Width (m):	N/A
Maximum Depth (m):	0.5
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.02
Conductivity (µS/cm):	113.26
pH:	6.07
Turbidity (NTU):	134.96
DO (mg/L):	2.15
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing located on access road with a culvert beneath. Two small pools of water on either side. No defined channel, appears to be ephemeral flood

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

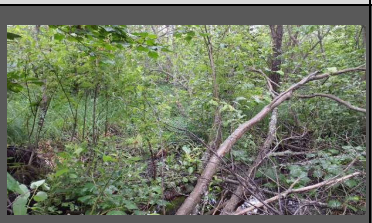
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Access roads with culverts underneath

Photograph B: Upstream, looking upstream to culvert and access road

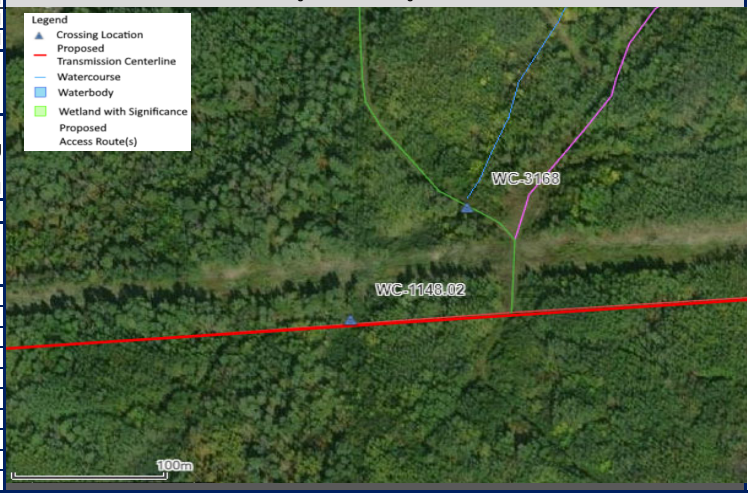
Photograph C: Downstream of culvert and access road, looking upstream

Photograph D: Downstream culvert



Photograph E: On access road looking downstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3175**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-03
Alt. Route Segment:	1A
Coordinates of Crossing: Lat: 48.55529 Long:	-89.47293
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Grass/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located in a roadside ditch in a field. No water but a minor channel, culvert, and wet soil indicates seasonal ditch flow.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

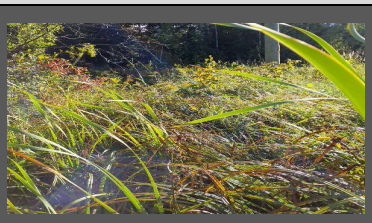
Fish Habitat Potential Summary

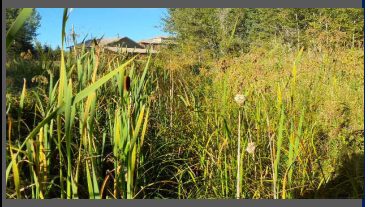
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 10 m upstream looking downstream

Photograph B: At crossing looking upstream

Photograph C: At crossing looking downstream





Photograph D: Culvert passing under roadway downstream

Photograph E: Substrate at the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3179**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-19
Alt. Route Segment:	1 / 1A
Coordinates of Crossing: Lat: 48.55442 Long:	-89.51117
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover (%):	N/A
Precipitation Amount/Type:	N/A
Wind Direction:	N/A
Wind Rate:	N/A
Reach Data	
Habitat Type:	Run
Length Assessed (m):	75
Visual Permanency:	Permanent
Pattern :	Straight
Confinement:	Unconfined
Form:	Moderate
Stage:	Moderate
Riparian Vegetation LDB:	Mixedwood Forest/Shrubs
Riparian Vegetation RDB:	Mixedwood Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.23
Wetted Width (m):	4.2
Bank Height (m):	0.78
Bankfull Width (m):	5.2
Maximum Depth (m):	0.36
Substrate at Crossing	
LDB:	Boulder/Cobble/Sand/Silt
Bed:	Boulder/Cobble
RDB:	Boulder/Cobble/Sand/Silt
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description[(i)]:
Permanent watercourse with moderately defined bed and banks, unconfined and moderately stable channel conditions.

Fish Species Captured

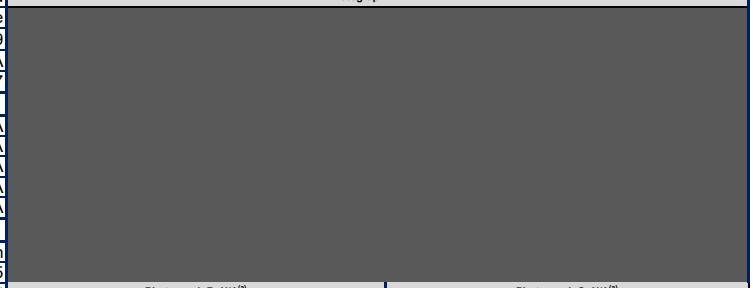
Method: N/A

Fish Species Captured: N/A

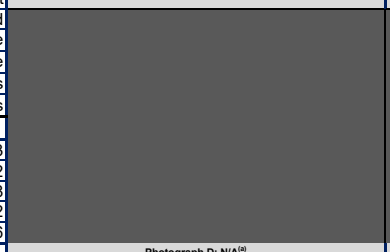
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Low	Low	Low	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

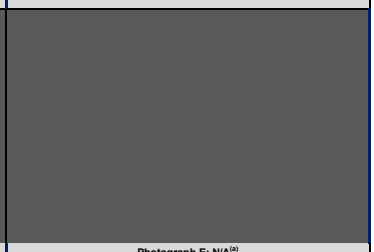
Photograph A: N/A[(a)]



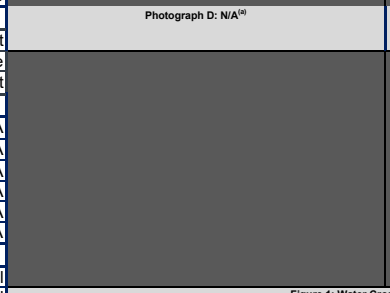
Photograph B: N/A[(a)]



Photograph C: N/A[(a)]



Photograph D: N/A[(a)]



Photograph E: N/A[(a)]

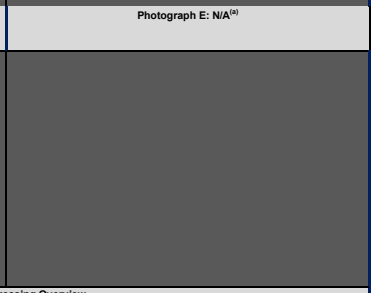
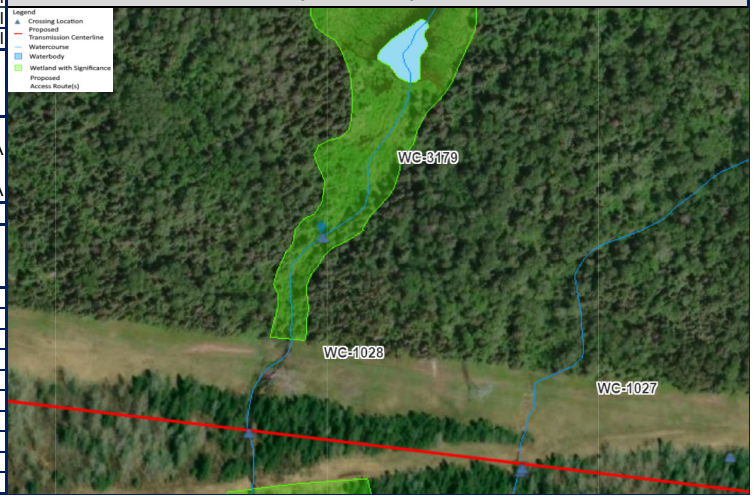


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3182**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-24
Alt. Route Segment:	1 / 1A
Coordinates of Crossing: Lat: 48.55799 Long:	-89.56570
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Pool/Flat/Cascade(DS)
Length Assessed (m):	163
Visual Permanency:	Permanent
Pattern :	Irregular Meander
Confinement:	Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Grass/Mixed Forest/Shrubs
Riparian Vegetation RDB:	Grass/Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.25
Wetted Width (m):	4
Bank Height (m):	0.95
Bankfull Width (m):	8
Maximum Depth (m):	>1.5
Substrate at Crossing	
LDB:	Organics/Cobble/Silt/Boulder
Bed:	Organics/Silt/Boulder
RDB:	Organics/Silt/Boulder
Water Quality	
Water Colour:	Clear
Temperature (°C):	13.96
Conductivity (µS/cm):	278.11
pH:	7.8
Turbidity (NTU):	11.06
DO (mg/L):	9.98
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Drop

General Description:
Permanent watercourse with moderately defined bed and banks, unconfined and moderately stable channel conditions.

Fish Species Captured

Method: Electrofishing

Fish Species Captured:
Bluntnose Minnow, Finescale Dace, Leuciscidae sp..,

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at the crossing

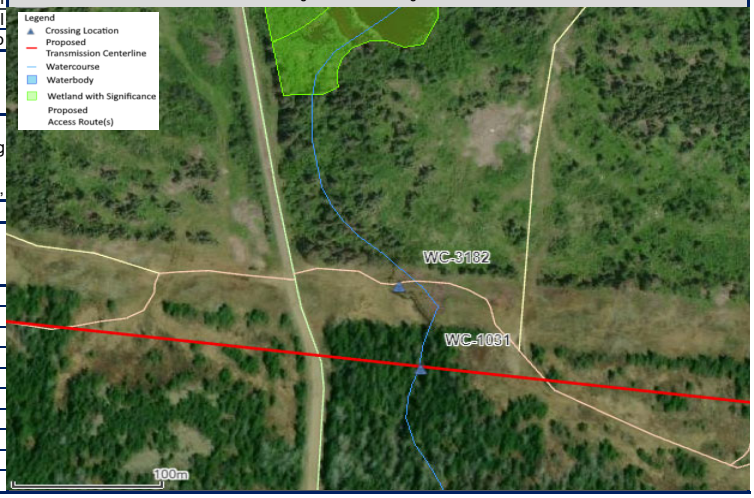
Photograph B: At crossing looking upstream

Photograph C: At crossing looking downstream

Photograph D: 25 m upstream looking downstream

Photograph E: 25 m downstream looking upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3203**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-20
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.58329 Long:	-89.76294
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Flat
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Winding
Confinement:	Unconfined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Grass
Riparian Vegetation RDB:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	1.25
Wetted Width (m):	6.5
Bank Height (m):	N/A
Bankfull Width (m):	5.5
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Clay/Silt/Sand
Bed:	Clay/Silt/Sand
RDB:	Clay/Silt/Sand
Water Quality	
Water Colour:	Tea
Temperature (°C):	18.86
Conductivity (µS/cm):	196.69
pH:	7.53
Turbidity (NTU):	10.01
DO (mg/L):	8.94
Fish Habitat Data	
In-water Cover Features:	Depth/Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

Medium sized

General Description:
Upstream and downstream are a meandering flat with steep vegetated banks. Banks are slumping in sections. Substrate mostly clay.

Fish Species Captured

Method: Minnow Trap

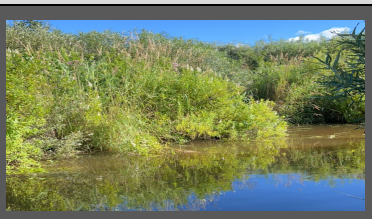
Fish Species Captured: Blacknose Dace, Creek Chub, White Sucker, Golden Shiner, Northern Redbelly Dace, Pearl Dace

Fish Habitat Potential Summary

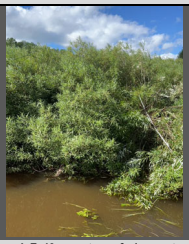
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	High
Other	Nil	Nil	Nil	Nil

Photograph A: Upstream at crossing

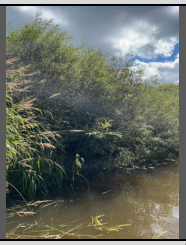
Photograph B: Downstream at crossing



Photograph C: Right downstream bank



Photograph D: Left downstream bank



Photograph E: 10 m upstream facing upstream

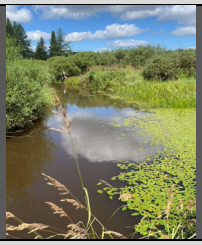


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3213**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-17
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.59633 Long: -89.83313
Weather Conditions	
Air Temp (°C):	30
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Impoundment/Flat(DS)
Length Assessed (m):	150
Visual Permanency:	Permanent
Pattern :	Regular Meander
Confinement:	Unconfined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.8
Wetted Width (m):	23.45
Bank Height (m):	N/A
Bankfull Width (m):	33.7
Maximum Depth (m):	1.5
Substrate at Crossing	
LDB:	Coarse Sand/Silt/Organics
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	30.37
Conductivity (µS/cm):	238.53
pH:	7.63
Turbidity (NTU):	5.51
DO (mg/L):	6.25
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Depth/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Crossing site is directly at large beaver dam. Small trickle from beaver dam to downstream reach. Narrow but moderately deep flat downstream.

Fish Species Captured

Method: Electrofishing, Minnow Trap

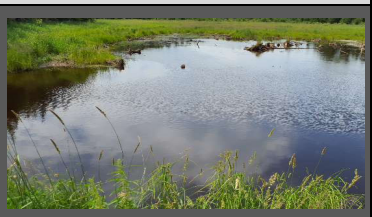
Fish Species Captured: Pearl Dace, Blacknose Dace, Finescale Dace, Brook Stickleback, Fathead Minnow, Northern Redbelly Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Low
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Medium	High
Other	Low	Low	Nil	Low

Photograph A: Beaver dam at crossing right-of-way facing right downstream bank

Photograph B: Impoundment upstream at crossing right-of-way facing upstream



Photograph C: Impoundment pond facing downstream of crossing

Photograph D: Right downstream bank

Photograph E: Left downstream bank

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3214**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-21
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.59510 Long:	-89.84166
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Run(DS)/Pool(DS)
Length Assessed (m):	111
Visual Permanency:	Non-Permanent
Pattern :	Braided
Confinement:	Unconfined
Form:	Irregular
Stage:	Moderate
Riparian Vegetation LDB:	Bare/Shrubs
Riparian Vegetation RDB:	Bare/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.24
Wetted Width (m):	4.13
Bank Height (m):	0.25
Bankfull Width (m):	5.18
Maximum Depth (m):	0.6
Substrate at Crossing	
LDB:	Organics/Silt
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.2
Conductivity (µS/cm):	196.93
pH:	7.29
Turbidity (NTU):	24.62
DO (mg/L):	0.45
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Undercut Banks
Sensitive Features:	groundwater seep / spring
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Debris Pile/Subsurface Flow

General Description:
Upstream reach is dry, downstream reach flows subsurface into pool area. Then subsurface flow goes from pool to run for rest of downstream.

Fish Species Captured

Method: Observation

Fish Species Captured: Leuciscidae sp..

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Flow cross section

Photograph B: Facing downstream

Photograph C: Facing upstream

Photograph D: Right downstream bank

Photograph E: Left downstream bank

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3222**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-26
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.60607 Long:	-89.90926
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Mixed Forest
Riparian Vegetation RDB:	Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present at the crossing.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

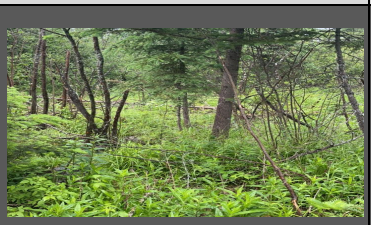
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical groundcover

Photograph B: Facing upstream

Photograph C: Facing downstream

Photograph D: Upstream 25 m looking downstream



Photograph E: Downstream 25 m looking upstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3224**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-26
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.60681 Long: -89.91331
Weather Conditions	
Air Temp (°C):	14
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Subsurface Flow/Flat(US/DS)
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	Regular Meander
Confinement:	Unconfined
Form:	Irregular
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Mixed Forest
Riparian Vegetation RDB:	Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	13.1
Conductivity (µS/cm):	161.16
pH:	7.57
Turbidity (NTU):	2.24
DO (mg/L):	7.33
Fish Habitat Data	
In-water Cover Features:	Vegetation/Undercut Banks/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Reach includes a flat upstream and downstream of the crossing, but exists as subsurface flow through crossing.

Fish Species Captured

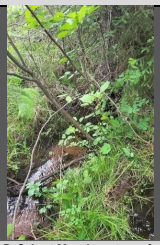
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

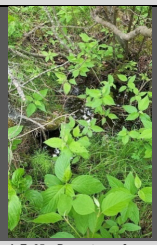
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 35 m upstream from crossing facing upstream

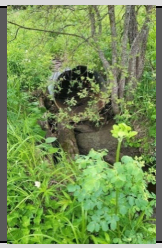
Photograph B: 35 m upstream from crossing facing downstream



Photograph C: Channel at Crossing



Photograph D: Culvert 30 m downstream from crossing



Photograph E: 35m Downstream from crossing

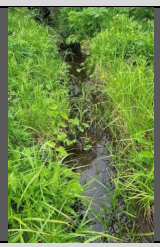
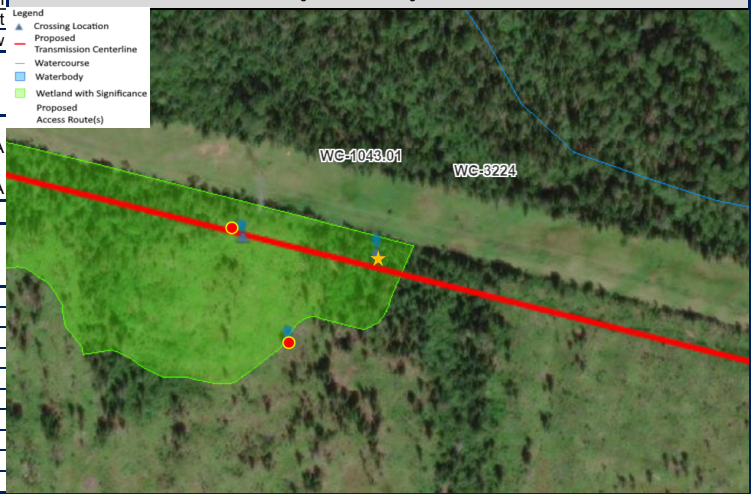


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3230**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-25
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.60113 Long:	-89.92022
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	15
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.07
Wetted Width (m):	7.5
Bank Height (m):	N/A
Bankfull Width (m):	9
Maximum Depth (m):	0.15
Substrate at Crossing	
LDB:	Silt/Organics/Cobble
Bed:	Silt/Organics/Cobble
RDB:	Silt/Organics/Cobble
Water Quality	
Water Colour:	Tea
Temperature (°C):	16.67
Conductivity (µS/cm):	71.22
pH:	6.61
Turbidity (NTU):	9.5
DO (mg/L):	1.54
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Dense Terrestrial Vegetation

General Description:
No defined channel, with areas of wet soil and small stagnant pools.

Fish Species Captured

Method: N/A

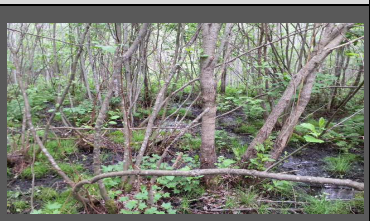
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Cross section substrate

Photograph B: Cross section upstream



Photograph C: Cross section downstream

Photograph D: Upstream 25 m downstream

Photograph E: Downstream 25 m upstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3231**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-27
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.62144 Long:	-89.99788
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	Run
Length Assessed (m):	49
Visual Permanency:	Non-Permanent
Pattern :	Winding
Confinement:	Occasionally Confined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Grass
Riparian Vegetation RDB:	Shrubs/Grass/Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.14
Wetted Width (m):	0.68
Bank Height (m):	0.29
Bankfull Width (m):	0.59
Maximum Depth (m):	0.45
Substrate at Crossing	
LDB:	Silt/Organics/Cobble
Bed:	Silt/Organics/Cobble
RDB:	Silt/Organics/Cobble
Water Quality	
Water Colour:	Clear
Temperature (°C):	15.21
Conductivity (µS/cm):	51.49
pH:	6.72
Turbidity (NTU):	2.97
DO (mg/L):	4.95
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Small intermittent watercourse with poorly defined bed and banks, unconfined and moderately stable channel conditions.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Flow transect

Photograph B: Upstream of crossing

Photograph C: Downstream of crossing

Photograph D: Right downstream bank at crossing

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3233**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-27
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.62188 Long: -90.00273
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	25-50
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel/Run(DS)/Subsurface Flow
Length Assessed (m):	15
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Grass/Deciduous Forest
Riparian Vegetation RDB:	Shrubs/Grass/Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.03
Wetted Width (m):	0.25
Bank Height (m):	N/A
Bankfull Width (m):	0.45
Maximum Depth (m):	0.05
Substrate at Crossing	
LDB:	Silt/Organics/Boulder
Bed:	Silt/Organics/Boulder
RDB:	Silt/Organics/Boulder
Water Quality	
Water Colour:	Clear
Temperature (°C):	13.93
Conductivity (µS/cm):	30.88
pH:	5.86
Turbidity (NTU):	6.38
DO (mg/L):	3.87
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
No defined channel aside from a small section of run 15 m downstream before becoming dry again.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Upstream 50 m downstream from crossing

Photograph E: Downstream 75 metets upstream from crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3239**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.64443 Long: -90.19851
Weather Conditions	
Air Temp (°C):	21
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat(DS)/Impoundment/No Defined Channel(DS)
Length Assessed (m):	265
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Flat
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Shrubs/Grass/Deciduous Forest
Riparian Vegetation SD2:	Muskeg/Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.69
Wetted Width (m):	68.43
Bank Height (m):	N/A
Bankfull Width (m):	96
Maximum Depth (m):	1.8
Substrate at Crossing	
SD1:	Organics/Silt/Coarse Gravel
Bed:	Organics/Silt/Fine Sand
SD2:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	26.11
Conductivity (µS/cm):	70.71
pH:	6.5
Turbidity (NTU):	0.49
DO (mg/L):	3.51
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam/Subsurface Flow

General Description:
Crossing located on a flooded road, with beaver dam upslope. Downslope is channelized, flows into a bog and becomes undefined pooling.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

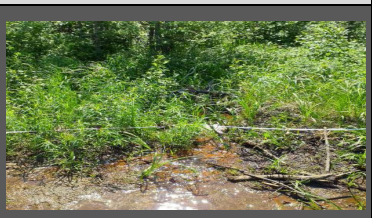
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Medium
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Medium	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Fish barrier

Photograph B: North

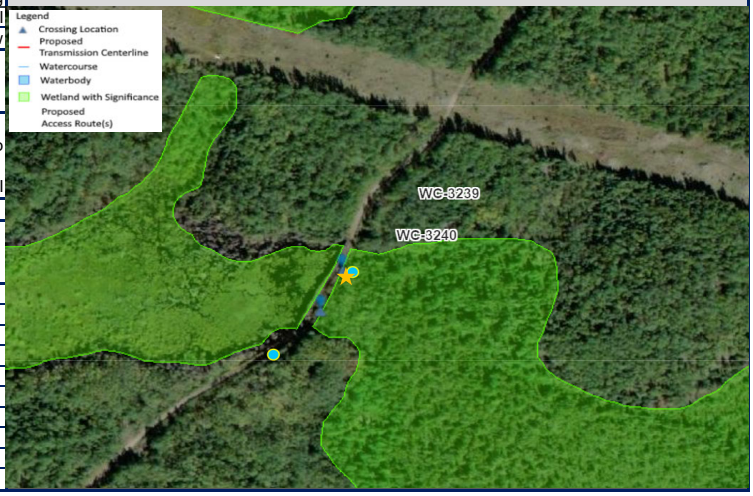
Photograph C: South

Photograph D: West



Photograph E: East

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3240**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.64384 Long: -90.19930
Weather Conditions	
Air Temp (°C):	21
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Flat(DS)/Impoundment/No Defined Channel(DS)
Length Assessed (m):	265
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	N/A
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Shrubs/Grass/Deciduous Forest
Riparian Vegetation SD2:	Muskeg/Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.69
Wetted Width (m):	68.43
Bank Height (m):	N/A
Bankfull Width (m):	96
Maximum Depth (m):	1.8
Substrate at Crossing	
SD1:	Organics/Silt/Medium gravel
Bed:	Organics/Silt/Coarse Gravel
SD2:	Organics/Silt/Coarse Gravel
Water Quality	
Water Colour:	Tea
Temperature (°C):	26.11
Conductivity (µS/cm):	70.71
pH:	6.5
Turbidity (NTU):	0.49
DO (mg/L):	3.51
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam/Subsurface Flow

General Description:
Crossing located on a flooded road, with beaver dam upslope. Downslope is channelized, flows into a bog and becomes undefined pooling.

Fish Species Captured

Method: Minnow Trap

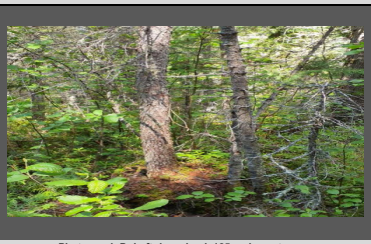
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Medium
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Medium	Medium
Other	Nil	Nil	Nil	Nil

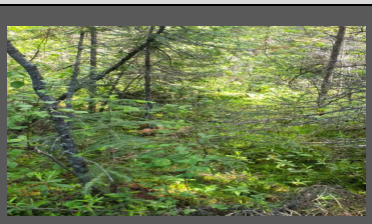
Photograph A: Beaver dam

Photograph B: Downstream 125 m looking upstream



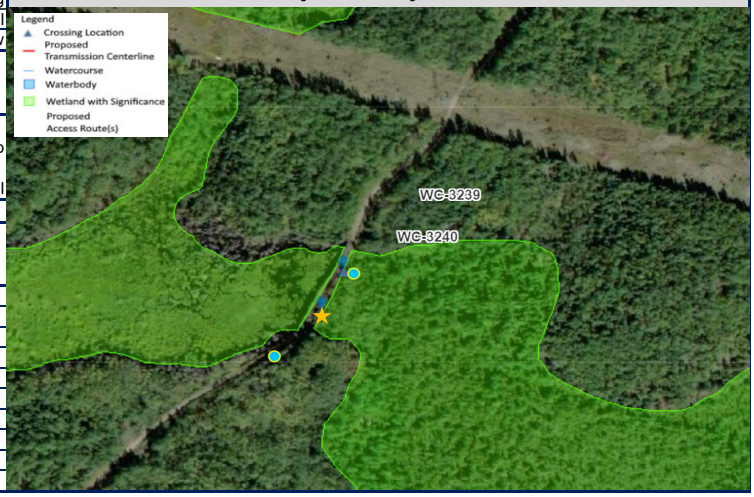
Photograph C: Downstream 125 metets downstream

Photograph D: Left down bank 125 m downstream



Photograph E: Left down bank 125 metets downstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3242**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-27
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.66198 Long: -90.24378
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Coniferous Forest/Shrubs/Grass
Riparian Vegetation RDB:	Muskeg/Coniferous Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
No defined channel located in a wetland lowland, with pools of stagnant water located in the right-of-way.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

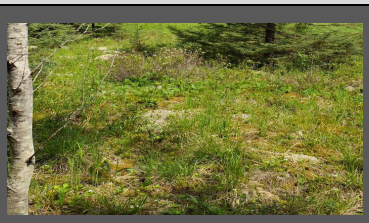
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Facing upstream at crossing

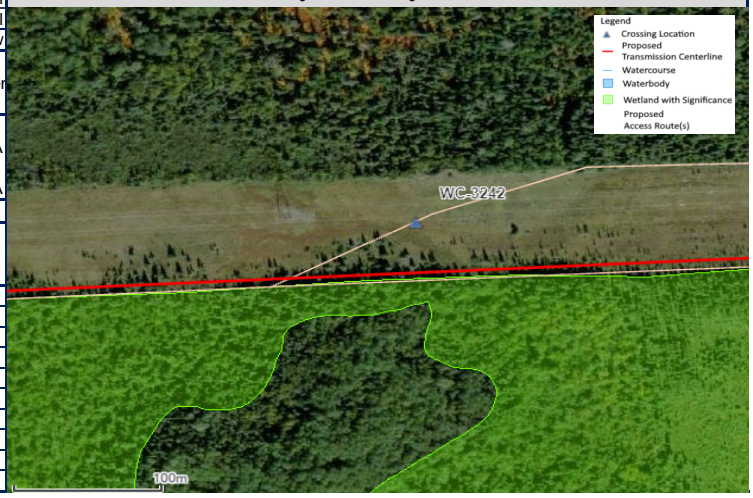
Photograph C: Facing downstream at crossing

Photograph D: 45 m upstream from crossing facing downstream



Photograph E: 50 m downstream from crossing facing upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3243**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-06-27
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.66241	Long:	-90.34205
Weather Conditions				
Air Temp (°C):				20
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Nil
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Mixed Forest/Shrubs/Bare
Riparian Vegetation RDB:				Mixed Forest/Shrubs/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
No defined channel and no water.

Fish Species Captured

Method: N/A

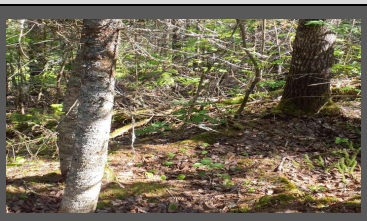
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: North at crossing

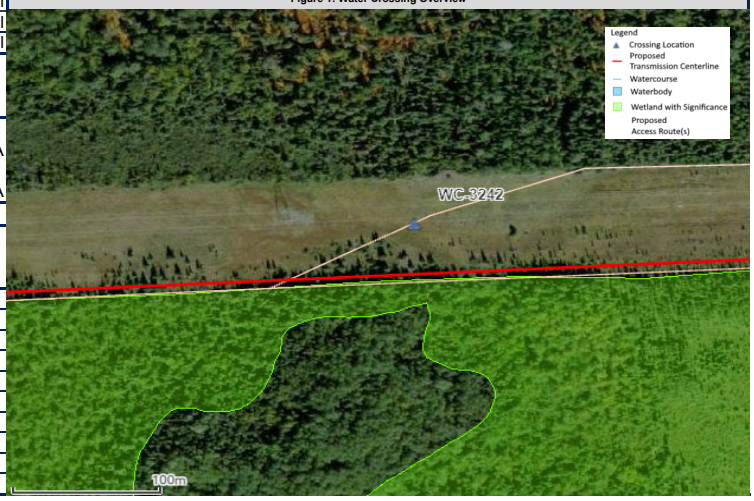


Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3248**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-08
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.64727 Long: -90.49873
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Run
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Regular Meander
Confinement:	Frequently Confined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.38
Wetted Width (m):	2.2
Bank Height (m):	0.75
Bankfull Width (m):	2.5
Maximum Depth (m):	0.9
Substrate at Crossing	
LDB:	Silt/Organics
Bed:	Organics/Silt
RDB:	Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	22.93
Conductivity (µS/cm):	181.44
pH:	6.79
Turbidity (NTU):	1.54
DO (mg/L):	6.5
Fish Habitat Data	
In-water Cover Features:	Undercut Banks/Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Meandering stream with denfined bed, steep banks, and low flow through an opening in the woodland.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured:

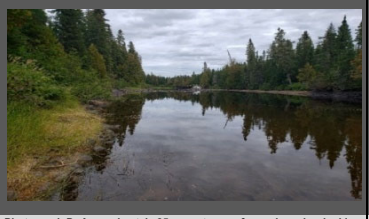
Northern Pike, Central Mudminnow, Yellow Perch

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	High	Nil
Perch	High	High	High	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Low	Low	Low	Nil
Forage Species	High	High	High	Nil
Other	Medium	Medium	Medium	Nil

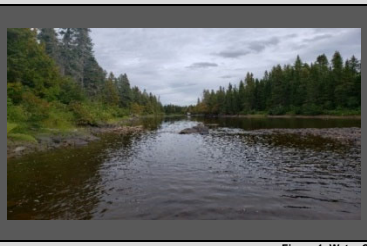
Photograph A: Ariel view near crossing location.

Photograph B: Near crossing location, view looking downstream



Photograph C: Near crossing location, view looking upstream

Photograph D: Approximately 25 m upstream of crossing, view lookig downstream



Photograph E: Approximately 50 m downstream of crossing, view looking upstream

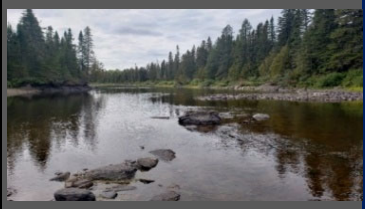


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3250**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64094 Long:	-90.50098
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Flat/Pool(DS)
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Irregular
Stage:	Moderate
Riparian Vegetation LDB:	Muskeg/Grass/Shrubs
Riparian Vegetation RDB:	Muskeg/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.65
Wetted Width (m):	1.4
Bank Height (m):	0.15
Bankfull Width (m):	2.1
Maximum Depth (m):	0.78
Substrate at Crossing	
LDB:	Organics
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	26.09
Conductivity (µS/cm):	29.31
pH:	6.42
Turbidity (NTU):	3.03
DO (mg/L):	5.88
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
The upslope reach is a meandering flat with little flow. Channel appears to be used by beavers, no beaver dam. Substrate is organic and woody debris.

Fish Species Captured

Method: Electrofishing, Minnow Trap

Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Low	Low	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Low
Other	Low	Low	Nil	Low

Photograph A: Channel at crossing

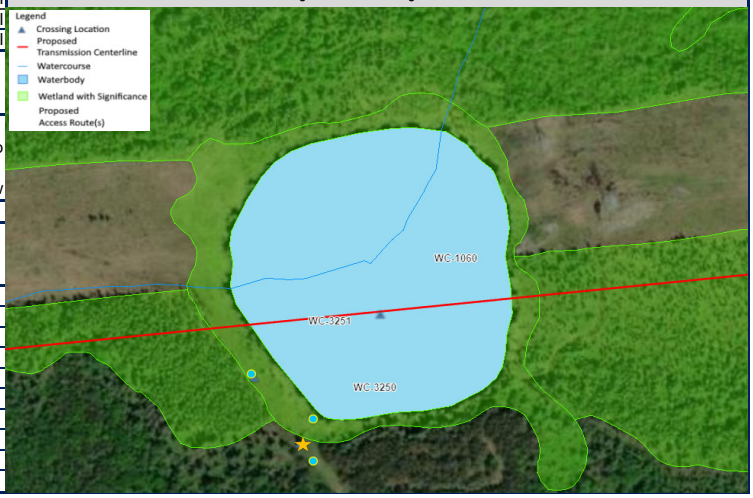
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3251**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64115 Long:	-90.50142
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs
Riparian Vegetation RDB:	Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel, located on a muskeg mat with some shrubby vegetation, and water located only in the muskeg.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

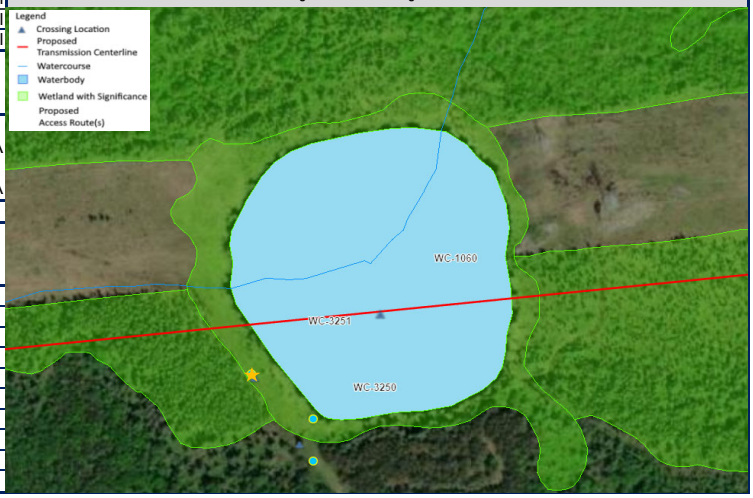
Photograph B: N/A[a]

Photograph C: N/A[a]

Photograph D: N/A[a]

Photograph E: N/A[a]

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3253**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-07-17
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.64122	Long:	-90.50413
Weather Conditions				
Air Temp (°C):				30
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Southwest
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Coniferous Forest/Muskeg/Grass/Shrubs
Riparian Vegetation RDB:				Coniferous Forest/Muskeg/Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.1
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				<0.1
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				23.54
Conductivity (µS/cm):				41.44
pH:				6.25
Turbidity (NTU):				8.18
DO (mg/L):				1.45
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
No defined channel with stagnant water located in a cedar swamp connected by two ponds with surrounding bog.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

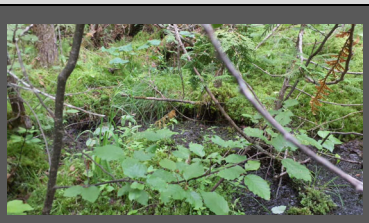
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Crossing looking upstream

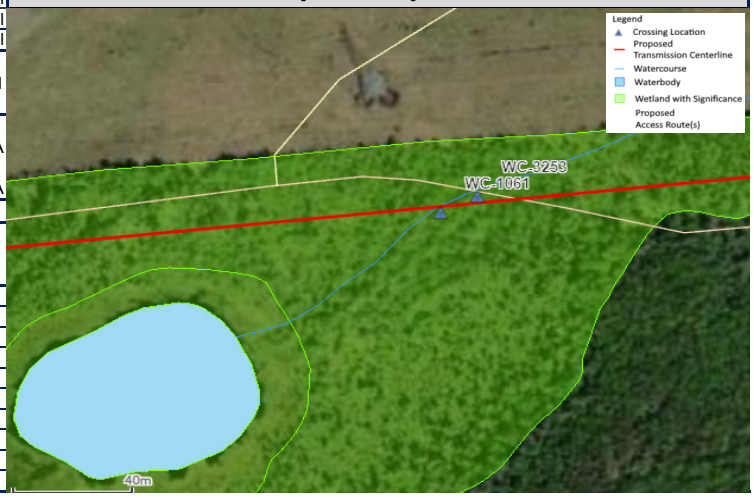
Photograph C: Crossing looking downstream

Photograph D: Crossing right downstream bank



Photograph E: Crossing left downstream bank

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3257**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-28
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64274 Long:	-90.54570
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	50-75
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Bare/Shrubs
Riparian Vegetation RDB:	Grass/Bare/Shrubs/Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	17.51
Conductivity (µS/cm):	50.11
pH:	6.72
Turbidity (NTU):	1.42
DO (mg/L):	7.83
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel. Only water present in small isolated pockets of saturated ground.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

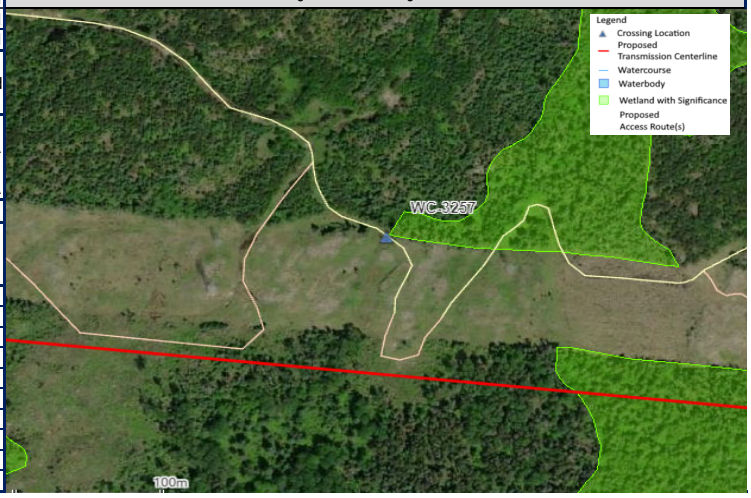
Photograph B: Crossing looking upstream

Photograph C: Crossing looking downstream

Photograph D: Crossing right downstream bank

Photograph E: Crossing left downstream bank

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3258**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.64683 Long: -90.57004
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Flat(DS)/Impoundment(US)/No Defined Channel
Length Assessed (m):	113
Visual Permanency:	Permanent
Pattern :	Straight
Confinement:	Unconfined
Form:	Neutral
Stage:	Flooded
Riparian Vegetation LDB:	Shrubs/Grass/Bare
Riparian Vegetation RDB:	Shrubs/Grass/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.49
Wetted Width (m):	13
Bank Height (m):	0
Bankfull Width (m):	14
Maximum Depth (m):	1.4
Substrate at Crossing	
LDB:	Organics/Gravel/Cobble/Sand
Bed:	Cobble/Coarse Gravel/Fine Sand/Organics
RDB:	Cobble/Gravel/Fine Sand/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	20.7
Conductivity (µS/cm):	762.89
pH:	6.71
Turbidity (NTU):	10.39
DO (mg/L):	4.55
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
No defined channel at crossing location. Upstream reach is impoundment with overwintering potential. Downstream reach is a flat.

Fish Species Captured

Method: Electrofishing, Minnow Trap

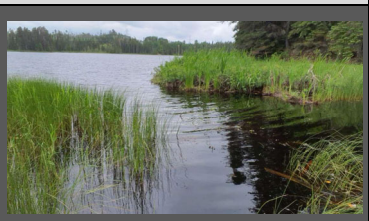
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Medium	Medium	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Medium
Perch	Moderate	Moderate	Low	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Low	Low
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Low

Photograph A: Beaver dam (fish barrier)

Photograph B: 60 m downstream from crossing facing downstream

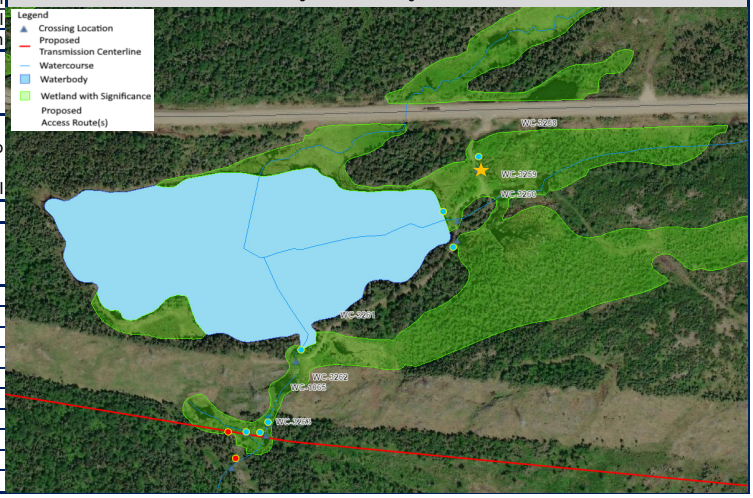


Photograph C: 25 m downstream from crossing facing downstream

Photograph D: Right downstream bank at crossing

Photograph E: 25 m from crossing facing left downstream bank

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3259**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64618 Long:	-90.57064
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	15 km/h
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	30
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	-
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/Grass/Coniferous Forest
Riparian Vegetation SD2:	Shrubs/Grass/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.15
Wetted Width (m):	8
Bank Height (m):	0
Bankfull Width (m):	9
Maximum Depth (m):	0.3
Substrate at Crossing	
SD1:	Silt/Sand
Bed:	Silt/Sand
SD2:	Silt/Sand
Water Quality	
Water Colour:	Clear
Temperature (°C):	23.81
Conductivity (µS/cm):	277.92
pH:	6.42
Turbidity (NTU):	6.02
DO (mg/L):	3.79
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation, Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
High water in lake has flooded onto existing ATV trail at crossing. Upstream is isolated wetland surrounded by high ground.

Fish Species Captured

Method: Electrofishing, Minnow Trap

Fish Species Captured: Pumpkinseed, Yellow Perch

Fish Habitat Potential Summary

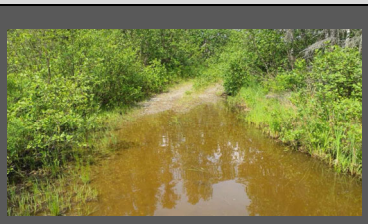
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Medium	Medium	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Medium
Perch	High	High	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Low
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Low

Photograph A: Crossing location

Photograph B: Crossing looking upstream

Photograph C: Crossing looking downstream

Photograph D: Crossing right downstream bank



Photograph E: Crossing left downstream bank

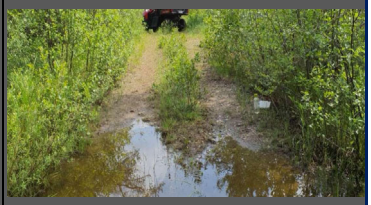
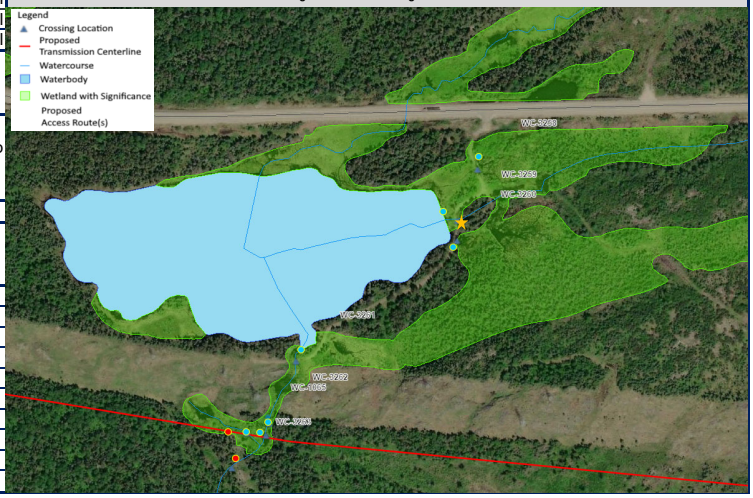


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3260**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-23
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64577 Long:	-90.57047
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Type:	Impoundment
Length Assessed (m):	50
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	N/A
Stage:	Flooded
Riparian Vegetation SD1:	Grass/Shrubs
Riparian Vegetation SD2:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	1.25
Wetted Width (m):	40
Bank Height (m):	0
Bankfull Width (m):	40
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	N/A
Bed:	N/A
SD2:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	24.85
Conductivity (µS/cm):	388.51
pH:	7.02
Turbidity (NTU):	0.99
DO (mg/L):	5.98
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Lake immediately downstream of crossing. Upstream is a large impoundment.

Fish Species Captured
Method: Electrofishing, Minnow Trap
Fish Species Captured: Pumpkinseed, Blacknose Shiner

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Medium	Medium	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Medium
Perch	High	High	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Low
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Low

Photograph A: Overview of crossing

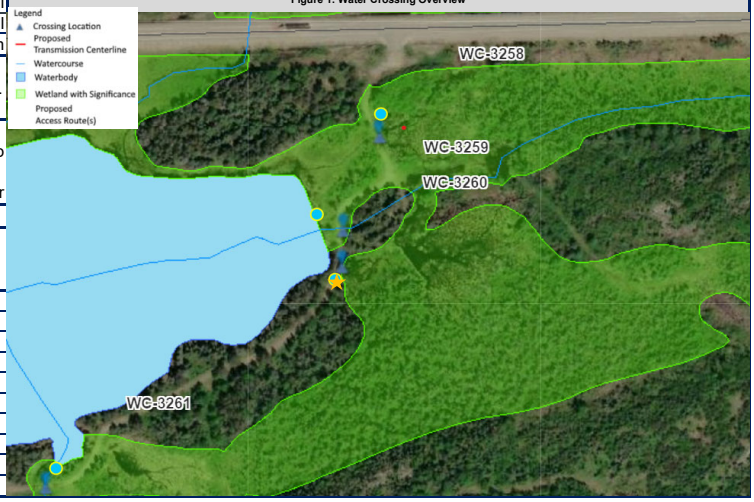
Photograph B: Upstream at crossing

Photograph C: Right downstream bank at crossing

Photograph D: Left downstream bank at crossing

Photograph E: Beaver dam barrier immediately upstream of crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3261**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-23
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.64456 Long: -90.57309
Weather Conditions	
Air Temp (°C):	31
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	11 km/h
Reach Data	
Habitat Type:	Impoundment(US)/Riffle/No Defined Channel
Length Assessed (m):	37
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	-
Stage:	Flooded
Riparian Vegetation SD1:	Grass/Shrubs
Riparian Vegetation SD2:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.1
Wetted Width (m):	1.3
Bank Height (m):	N/A
Bankfull Width (m):	1.35
Maximum Depth (m):	0.15
Substrate at Crossing	
SD1:	Cobble/Coarse Gravel/Coarse Sand/Clay
Bed:	Cobble/Coarse Gravel/Sand/Organics/Clay
SD2:	Cobble/Coarse Gravel/Sand/Organics/Clay
Water Quality	
Water Colour:	Tea
Temperature (°C):	23.77
Conductivity (µS/cm):	176.74
pH:	6.63
Turbidity (NTU):	1.02
DO (mg/L):	6.91
Fish Habitat Data	
In-water Cover Features:	Aquatic & Overhanging Vegetation/Depth
Sensitive Features:	Permanent inflowing tributary
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:

Upstream from crossing is a large impoundment. Water flows from the impoundment into a riffle and downstream into a wetland.

Fish Species Captured

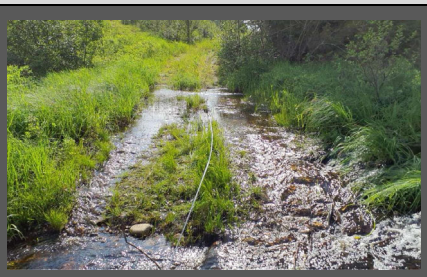
Method: Electrofishing, Minnow Trap

Fish Species Captured: Nil

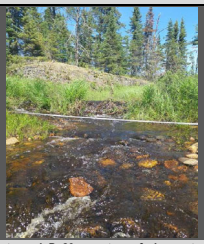
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Medium	Medium	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Medium
Perch	High	High	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Low
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Low

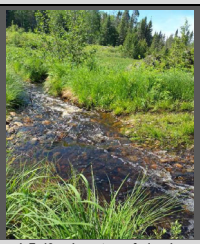
Photograph A: Right downstream bank at crossing



Photograph B: Upstream at crossing



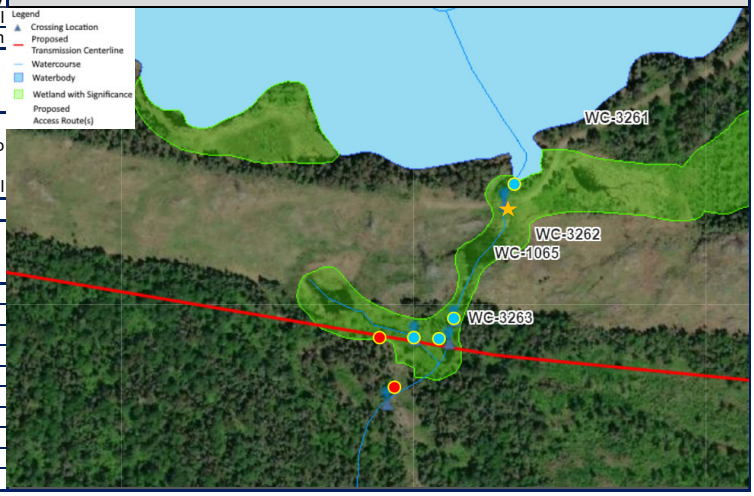
Photograph C: Downstream at crossing



Photograph D: 20 m upstream facing upstream

Photograph E: 12 m downstream facing downstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3262**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-21
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64371 Long:	-90.57366
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Riffle/Run/Pool(US)/Flat/Impoundment/Cascade(DS)
Length Assessed (m):	83
Visual Permanency:	Permanent
Pattern :	Irregular Meander
Confinement:	Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Coniferous Forest/Grass
Riparian Vegetation RDB:	Mixed Forest/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.37
Wetted Width (m):	2
Bank Height (m):	0.275
Bankfull Width (m):	2.5
Maximum Depth (m):	1.35
Substrate at Crossing	
LDB:	N/A
Bed:	Organics/Bedrock
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	24.53
Conductivity (µS/cm):	183.99
pH:	6.52
Turbidity (NTU):	0.57
DO (mg/L):	6.12
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
From crossing to 30 m upstream is braided channels. Bedrock dominated substrate. Banks are shallow overburden over bedrock.

Fish Species Captured

Method: N/A

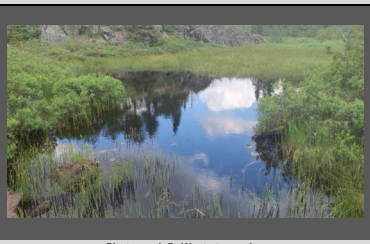
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Medium	Medium	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Nil	Medium
Perch	High	Medium	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Low
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Low

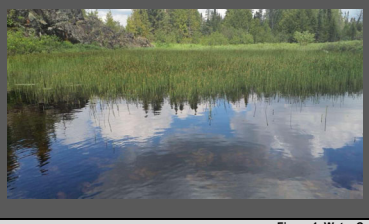
Photograph A: At crossing

Photograph B: North at crossing



Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: East at crossing

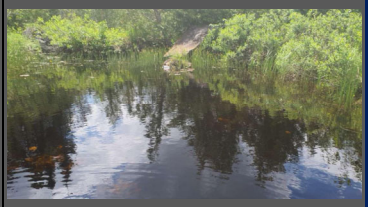
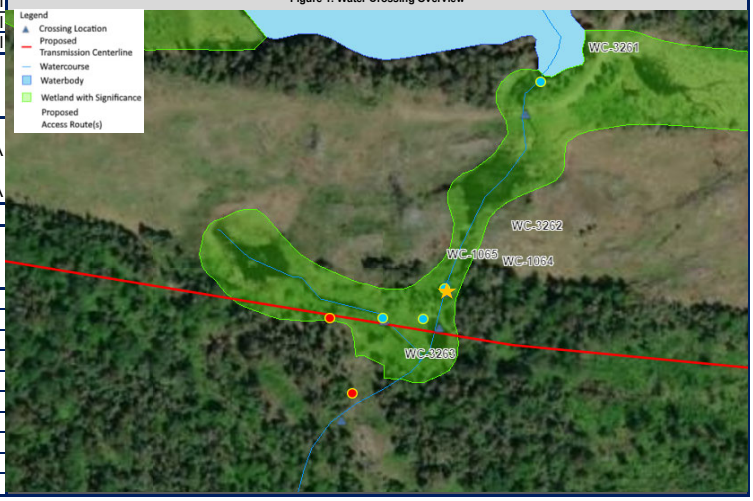


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3263**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-21
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64328 Long:	-90.57422
Weather Conditions	
Air Temp (°C):	30
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel with no water present.

Fish Species Captured

Method: N/A

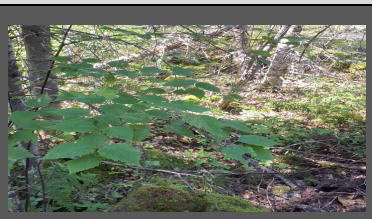
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

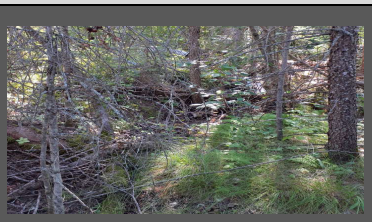
Photograph A: North at crossing

Photograph B: East at crossing



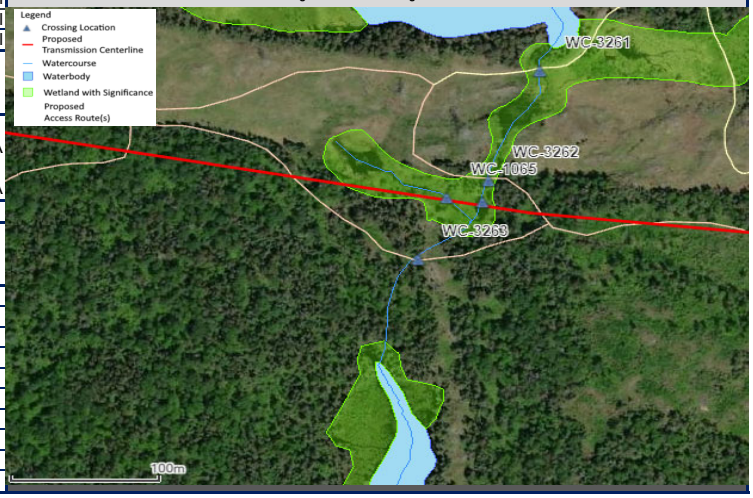
Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3267**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64901 Long:	-90.61765
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Type:	Riffle/Run(DS)/No Defined Channel
Length Assessed (m):	120
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	Unconfined
Form:	Open
Stage:	High
Riparian Vegetation LDB:	Muskeg/Grass/Shrubs
Riparian Vegetation RDB:	Muskeg/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.19
Wetted Width (m):	1.36
Bank Height (m):	0.25
Bankfull Width (m):	1.82
Maximum Depth (m):	0.45
Substrate at Crossing	
LDB:	Organics/Sand/Silt
Bed:	Organics/Boulder/Sand/Silt
RDB:	Organics/Sand/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	16.24
Conductivity (µS/cm):	207.58
pH:	7.54
Turbidity (NTU):	2.34
DO (mg/L):	9.1
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Iron Staining
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Dense Vegetation/Drop

General Description:
Intermittent watercourse originates in wetland, with moderately defined bed and banks, and moderately stable channel conditions downstream.

Fish Species Captured

Method: Electrofishing, Angling, Minnow Trap

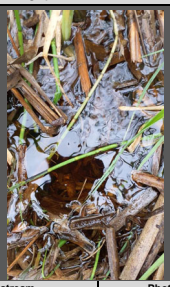
Fish Species Captured:

Yellow Perch, Northern Pike, Finescale Dace

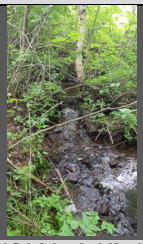
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	High	Nil
Perch	High	High	Medium	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	High	Nil
Other	Nil	Nil	Nil	Nil

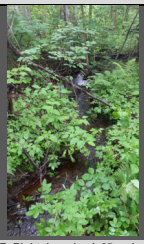
Photograph A: Substrate at crossing



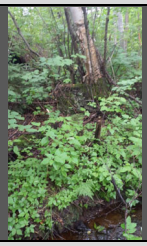
Photograph B: 25 m downstream facing upstream



Photograph C: Downstream 25 m facing downstream



Photograph D: Left down bank 25 m downstream



Photograph E: Right down bank 25 m downstream

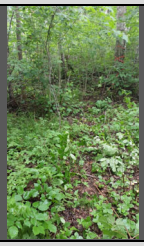


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3268**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-24
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.64839 Long:	-90.61807
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Type:	Riffle(US)/Run(DS)
Length Assessed (m):	70
Visual Permanency:	Non-Permanent
Pattern :	Regular Meander
Confinement:	Confined
Form:	Neutral
Stage:	High
Riparian Vegetation LDB:	Shrubs/Mixed Forest/Grass
Riparian Vegetation RDB:	Shrubs/Mixed Forest/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.32
Wetted Width (m):	0.55
Bank Height (m):	0.35
Bankfull Width (m):	0.93
Maximum Depth (m):	0.45
Substrate at Crossing	
LDB:	Organics/Sand/Silt/Boulder
Bed:	Organics/Sand/Silt
RDB:	Organics/Sand/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	16.24
Conductivity (µS/cm):	207.58
pH:	7.54
Turbidity (NTU):	2.34
DO (mg/L):	9.1
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Vegetation/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Drop

General Description:
Intermittent watercourse with moderately defined bed and banks, and moderately stable channel conditions. Connects to a lake downstream.

Fish Species Captured

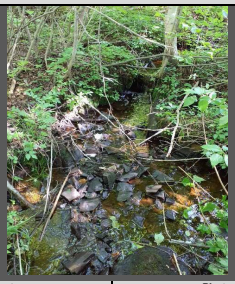
Method: Electrofishing, Angling, Minnow Trap

Fish Species Captured: Finescale Dace, Yellow Perch, Northern Pike

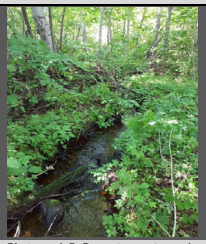
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Medium	Low
Perch	Low	Low	Low	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Nil

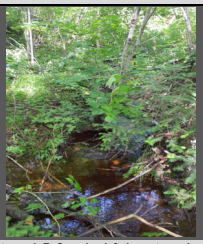
Photograph A: 25 m upstream facing downsrteam



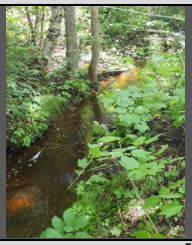
Photograph B: 25 m upstream facing upstream



Photograph C: Upstream at crossing



Photograph D: Downstream at crossing



Photograph E: Crossing left downstream bank

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3269**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-25
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65105 Long:	-90.63792
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Rain
Wind Direction:	Southwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	20
Visual Permanency:	Permanent
Pattern :	Elongated
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Shrubs/Grass
Riparian Vegetation SD2:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.4
Wetted Width (m):	8
Bank Height (m):	0
Bankfull Width (m):	N/A
Maximum Depth (m):	0.5
Substrate at Crossing	
SD1:	Organics/Silt
Bed:	Organics/Silt
SD2:	Organics/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	19.5
Conductivity (µS/cm):	1420.2
pH:	6.1
Turbidity (NTU):	15.24
DO (mg/L):	2.3
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Ponded water within a wetland with poorly defined banks.

Fish Species Captured

Method: Electrofishing

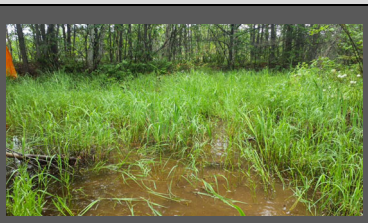
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: West at crossing

Photograph B: North at crossing

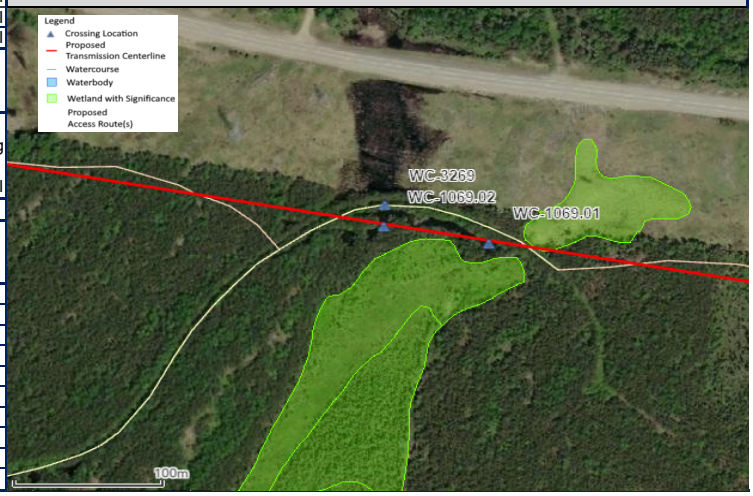


Photograph C: South at crossing

Photograph D: Facing east at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3274**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-08-07
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.65636	Long:	-90.68679
Weather Conditions				
Air Temp (°C):				N/A
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Riffle/Run(US)/Flat/No Defined Channel(DS)
Length Assessed (m):				207
Visual Permanency:				Permanent
Pattern :				Regular Meander
Confinement:				Frequently Confined
Form:				Incised
Stage:				Moderate
Riparian Vegetation LDB:				Mixed Forest
Riparian Vegetation RDB:				Mixed Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.29
Wetted Width (m):				0.8
Bank Height (m):				0.45
Bankfull Width (m):				1
Maximum Depth (m):				0.51
Substrate at Crossing				
LDB:				Boulder/Sand/Silt
Bed:				Boulder/Sand/Silt
RDB:				Boulder/Sand/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				19.74
Conductivity (µS/cm):				280.24
pH:				4.49
Turbidity (NTU):				1.77
DO (mg/L):				5.9
Fish Habitat Data				
In-water Cover Features:				Substrate/Woody Debris/Undercut Banks
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Small permanent watercourse. Well defined bed and banks. Some undercutting. Located between highway and existing hydro corridor.

Fish Species Captured

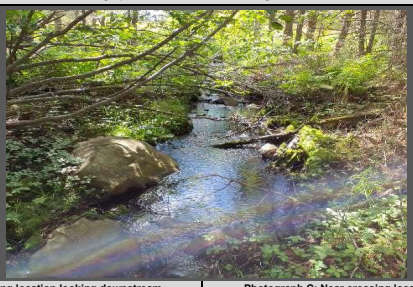
Method: Electrofishing

Fish Species Captured: Nil

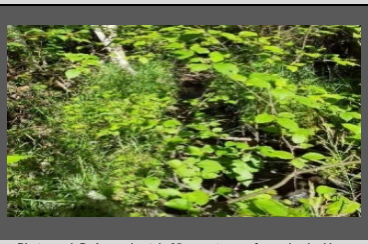
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ariel view near crossing location.

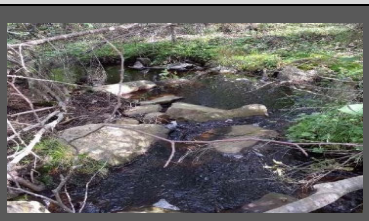


Photograph B: Near crossing location looking downstream



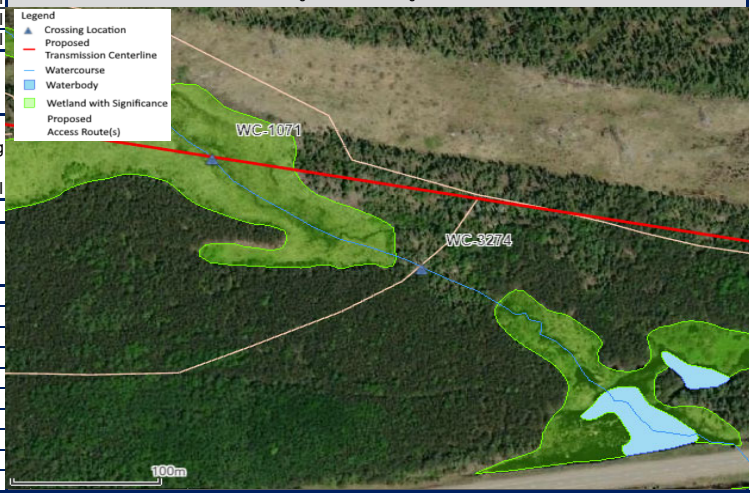
Photograph C: Near crossing location looking upstream

Photograph D: Approximately 25 m upstream of crossing looking downstream



Photograph E: Approximately 50 m downstream of crossing looking upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3275**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-07
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.65785 Long:	-90.69135
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Run/No Defined Channel(US)
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Regular Meander
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Muskeg
Riparian Vegetation RDB:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.33
Wetted Width (m):	0.75
Bank Height (m):	0.35
Bankfull Width (m):	1.25
Maximum Depth (m):	0.45
Substrate at Crossing	
LDB:	Boulder/Organics
Bed:	Organics/Boulder
RDB:	Organics/Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	17
Conductivity (µS/cm):	266.15
pH:	6
Turbidity (NTU):	1.93
DO (mg/L):	2.19
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Substrate
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small braided watercourse with stable channel conditions, bounded by a wetland at the crossing.

Fish Species Captured
Method: Electrofishing
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Channel at crossing

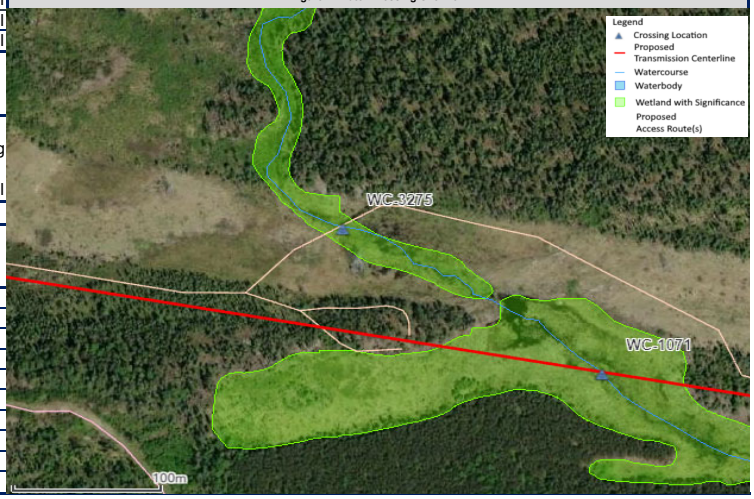
Photograph B: Near crossing location, view looking downstream

Photograph C: Near crossing location, view looking upstream.

Photograph D: Approx. 25 m upstream of crossing; view looking downstream.

Photograph E: Approx. 50 m downstream of crossing; view looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3276**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-07
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.65906	Long:	-90.70044
Weather Conditions				
Air Temp (°C):				24
Cloud Cover (%):				50-75
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Flat
Length Assessed (m):				220
Visual Permanency:				Permanent
Pattern :				Regular Meander
Confinement:				Occasionally Confined
Form:				Neutral
Stage:				Flooded
Riparian Vegetation LDB:				Grass/Shrubs
Riparian Vegetation RDB:				Grass/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.65
Wetted Width (m):				2.85
Bank Height (m):				0.135
Bankfull Width (m):				8.25
Maximum Depth (m):				1.3
Substrate at Crossing				
LDB:				Boulder/Cobble
Bed:				Organics/Silt
RDB:				Organics/Silt/Fine Sand
Water Quality				
Water Colour:				Tea
Temperature (°C):				18.05
Conductivity (µS/cm):				127.1
pH:				5.7
Turbidity (NTU):				1.06
DO (mg/L):				4.57
Fish Habitat Data				
In-water Cover Features:				Vegetation/Depth/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:
The crossing is located on a watercourse within a lowland wetland. Due to a downstream beaver dam the upstream channel is deep and less defined.

Fish Species Captured

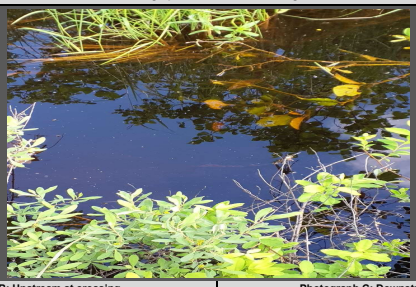
Method: Electrofishing

Fish Species Captured: Northern Pike

Fish Habitat Potential Summary

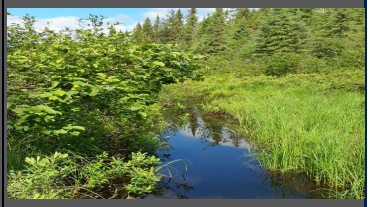
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Medium	Low
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Medium	Medium	Medium	Medium
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Nil

Photograph A: Channel at crossing



Photograph B: Upstream at crossing

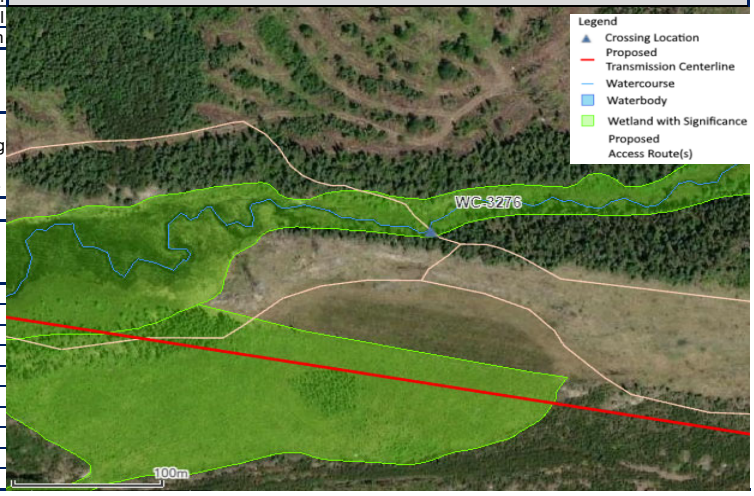
Photograph C: Downstream at crossing



Photograph D: 50 m upstream from crossing looking downstream

Photograph E: 65 m downstream from crossing looking upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3279**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-07
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.66336	Long:	-90.74644
Weather Conditions				
Air Temp (°C):				17
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Type:				Run
Length Assessed (m):				150
Visual Permanency:				Non-Permanent
Pattern :				Straight
Confinement:				Unconfined
Form:				Neutral
Stage:				Low
Riparian Vegetation SD1:				Grass/Shrubs/Coniferous Forest
Riparian Vegetation SD2:				Grass/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.13
Wetted Width (m):				1
Bank Height (m):				0.5
Bankfull Width (m):				1
Maximum Depth (m):				0.2
Substrate at Crossing				
SD1:				Organics/Silt/Sand
Bed:				Organics/Silt/Sand
SD2:				Organics/Silt/Sand
Water Quality				
Water Colour:				Tea
Temperature (°C):				11.95
Conductivity (µS/cm):				191.75
pH:				5.02
Turbidity (NTU):				6.27
DO (mg/L):				3.72
Fish Habitat Data				
In-water Cover Features:				Vegetation/Depth/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:
Crossing is located on a small watercourse within a wetland. Upstream run flows into a beaver dam where only trickle flow passes.

Fish Species Captured

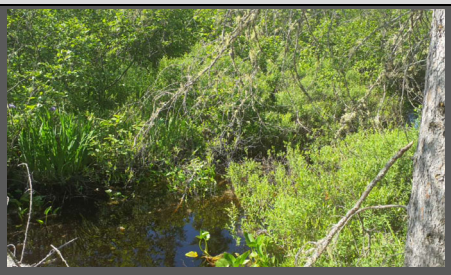
Method: Minnow Trap

Fish Species Captured: Central Mudminnow, Finescale Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	Nil
Other	Nil	Nil	Nil	Nil

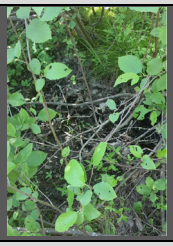
Photograph A: 30 m upstream facing upstream



Photograph B: 30 m upstream facing downstream

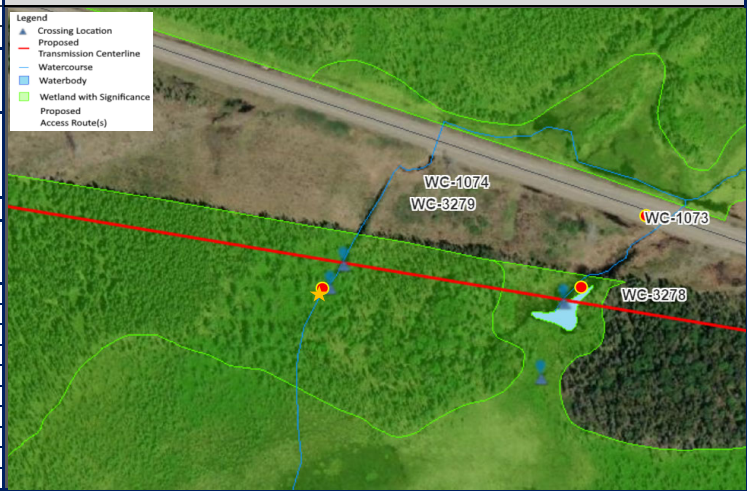
Photograph C: 10 m upstream facing upstream beaver dam

Photograph D: Dry channel downstream of crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3281**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-06-28
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67555 Long:	-90.79214
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	175
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Muskeg/Shrubs/Grass/Mixed Forest
Riparian Vegetation SD2:	Muskeg/Shrubs/Grass/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.4
Wetted Width (m):	50
Bank Height (m):	0.45
Bankfull Width (m):	18
Maximum Depth (m):	0.45
Substrate at Crossing	
SD1:	Organics/Silt
Bed:	Organics/Silt/Fine Sand/Coarse Gravel
SD2:	Organics/Medium Gravel/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.4
Conductivity (µS/cm):	743.44
pH:	6.18
Turbidity (NTU):	0.56
DO (mg/L):	8.29
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located on a road with a culvert conveying overflow from a small wetland/pond upslope to undefined wetland downslope.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

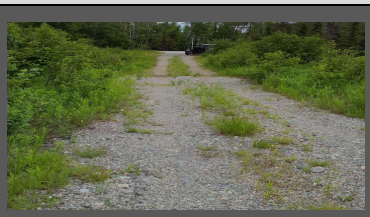
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Upstream inlet

Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Right downstream bank at crossing



Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3282**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-09
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.67152	Long:	-90.81841
Weather Conditions				
Air Temp (°C):				25
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Northwest
Wind Rate:				Low
Reach Data				
Habitat Type:				Flat
Length Assessed (m):				150
Visual Permanency:				Permanent
Pattern :				Winding
Confinement:				Unconfined
Form:				Broad
Stage:				Moderate
Riparian Vegetation LDB:				Grass/Muskeg/Shrubs
Riparian Vegetation RDB:				Grass/Muskeg/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.26
Wetted Width (m):				0.8
Bank Height (m):				0.4
Bankfull Width (m):				3
Maximum Depth (m):				0.58
Substrate at Crossing				
LDB:				Organics
Bed:				Organics/Silt
RDB:				Organics/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				18.04
Conductivity (µS/cm):				19.43
pH:				6.32
Turbidity (NTU):				1.23
DO (mg/L):				2.97
Fish Habitat Data				
In-water Cover Features:				Vegetation/Undercut Banks/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam/Subsurface Flow

General Description:
Small permanent watercourse with moderately defined bed and banks, unconfined and stable channel conditions with fully vegetated banks.

Fish Species Captured

Method: Angling, Minnow Trap

Fish Species Captured: Northern Pike

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate

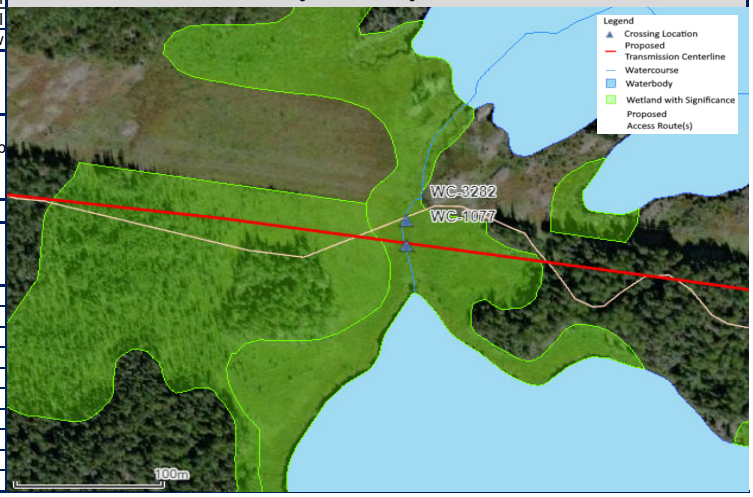
Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: 50 m upstream from crossing looking downstream

Photograph E: 50 m downstream from crossing looking upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3283**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-09
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.68146 Long:	-90.82452
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	175
Visual Permanency:	Non-Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Low
Riparian Vegetation SD1:	Coniferous Forest/Shrubs/Grass
Riparian Vegetation SD2:	Coniferous Forest/Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.23
Wetted Width (m):	5
Bank Height (m):	0.04
Bankfull Width (m):	7.2
Maximum Depth (m):	0.5
Substrate at Crossing	
SD1:	Organics/Clay/Silt
Bed:	Organics/Clay/Silt
SD2:	Organics/Clay/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	22.51
Conductivity (µS/cm):	17.71
pH:	N/A
Turbidity (NTU):	0.78
DO (mg/L):	5.82
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small pond with moderately defined bed and banks.

Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Dry channel on eastern end

Photograph B: Eastern view of crossing

Photograph C: Southern view of pond

Photograph D: Dry channel at western end

Photograph E: Eastern view of site

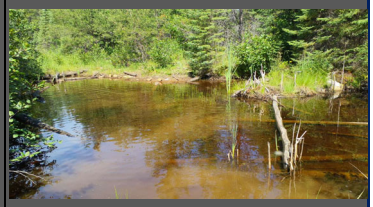


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3284**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-25
Alt. Route Segment:				1 / 1C
Coordinates of Crossing:	Lat:	48.67135	Long:	-90.84597
Weather Conditions				
Air Temp (°C):				24
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Impoundment
Length Assessed (m):				200
Visual Permanency:				Non-Permanent
Pattern :				Elongated
Confinement:				N/A
Slope:				Low
Stage:				High
Riparian Vegetation SD1:				Grass/Muskeg/Coniferous Forest
Riparian Vegetation SD2:				Coniferous Forest/Grass/Bare/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.75
Wetted Width (m):				3
Bank Height (m):				0.25
Bankfull Width (m):				6
Maximum Depth (m):				1
Substrate at Crossing				
SD1:				Organics
Bed:				Organics
SD2:				Organics
Water Quality				
Water Colour:				Tea
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Thick Aquatic Vegetation/Beaver Dam

General Description:
Small intermittent waterbody with moderately defined bed and banks.

Fish Species Captured

Method: Minnow Trap

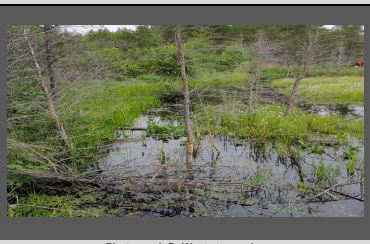
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Nil	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate 117 m east of crossing

Photograph B: North at crossing

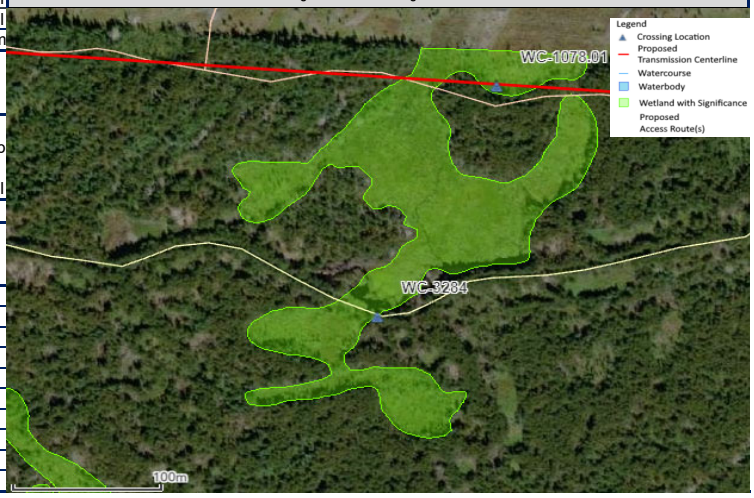


Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3285**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-26
Alt. Route Segment:	1 / 1C
Coordinates of Crossing:	Lat: 48.67550 Long: -90.85286
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Low
Reach Data	
Habitat Type:	Impoundment/No Defined Channel(DS)/Run(DS)
Length Assessed (m):	185
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	Open
Stage:	High
Riparian Vegetation LDB:	Bare/Grass
Riparian Vegetation RDB:	Bare/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.74
Wetted Width (m):	16
Bank Height (m):	2
Bankfull Width (m):	25
Maximum Depth (m):	>2
Substrate at Crossing	
LDB:	Organics
Bed:	Boulder/Organics
RDB:	Boulder/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Perched Culvert/Subsurface Flow

General Description:
Permanent watercourse with well-defined bed and banks, and stable channel conditions.

Fish Species Captured

Method: Minnow Trap

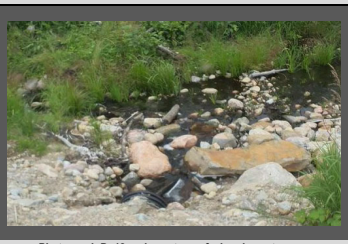
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwinteing
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Low	Medium
Other	Nil	Nil	Nil	Nil

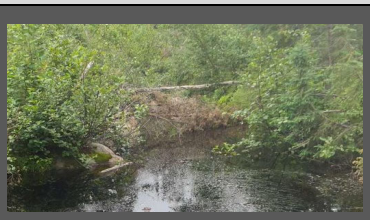
Photograph A: Upstream at crossing

Photograph B: Downstream at crossing



Photograph C: 10 m upstream facing upstream

Photograph D: 18 m downstream facing downstream



Photograph E: Perched culvert 50 m downstream of crossing, view looking upstream.

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3288**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-06-26
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67590 Long:	-90.88916
Weather Conditions	
Air Temp (°C):	11
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pool/No Defined Channel(DS)
Length Assessed (m):	225
Visual Permanency:	Permanent
Pattern :	N/A
Confinement:	Frequently Confined
Form:	N/A
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Mixed Forest/Bare/Muskeg
Riparian Vegetation RDB:	Shrubs/Mixed Forest/Bare/Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.38
Wetted Width (m):	11.67
Bank Height (m):	3.00
Bankfull Width (m):	10.33
Maximum Depth (m):	0.63
Substrate at Crossing	
LDB:	Organics
Bed:	Boulder
RDB:	Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	18.17
Conductivity (µS/cm):	11.67
pH:	5.47
Turbidity (NTU):	0.75
DO (mg/L):	6.11
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
Small permanent waterbody with moderately defined bed and banks, unconfined and moderately stable channel conditions.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: 75 m upstream from crossing looking west

Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: 75 m upstream from crossing looking south

Photograph E: 50 m downstream from crossing looking north

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3289**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-04
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67684 Long:	-90.92992
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel, but shallow standing water present within a lowland cattail wetland.

Fish Species Captured

Method: N/A

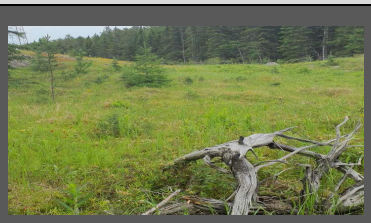
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: East at crossing

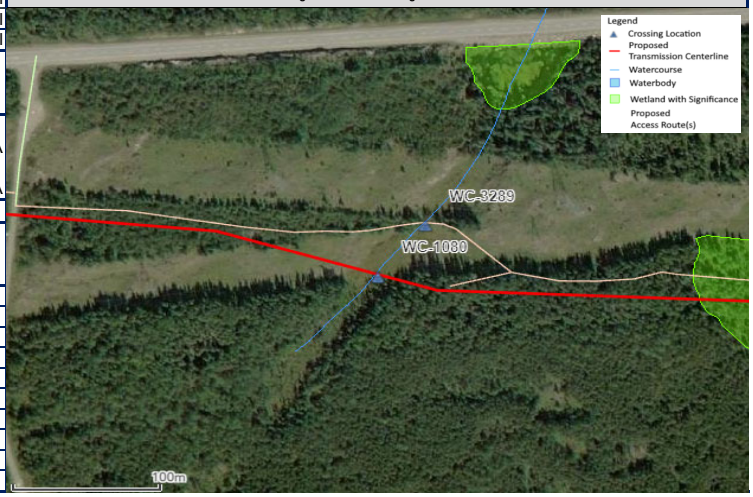


Photograph C: South at crossing - typha spp. marsh present

Photograph D: West at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3293**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-04
Alt. Route Segment:	1 / 1C
Coordinates of Crossing: Lat: 48.67750 Long:	-90.96071
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Pool
Length Assessed (m):	50
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Pooled
Riparian Vegetation SD1:	Shrubs/Grass/Muskeg
Riparian Vegetation SD2:	Shrubs/Grass/Muskeg/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.3
Wetted Width (m):	5
Bank Height (m):	0
Bankfull Width (m):	6
Maximum Depth (m):	0.5
Substrate at Crossing	
SD1:	Organics/Boulder
Bed:	Organics/Boulder
SD2:	Organics/Boulder
Water Quality	
Water Colour:	Tea
Temperature (°C):	15.07
Conductivity (µS/cm):	94.58
pH:	4.67
Turbidity (NTU):	0.26
DO (mg/L):	1.77
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small permanent waterbody with fully vegetated banks and limited evidence of erosion and sedimentation.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Central Mudminnow

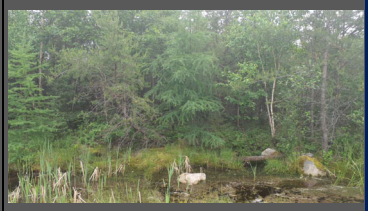
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Typical ground cover.

Photograph B: Northern view of crossing

Photograph C: Southern view of crossing



Photograph D: Western view of crossing

Photograph E: Eastern view of crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3332**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	1C
Coordinates of Crossing:	Lat: 48.70929 Long: -91.23010
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.43
Conductivity (µS/cm):	297.36
pH:	6.25
Turbidity (NTU):	0.58
DO (mg/L):	5.77
Fish Habitat Data	
In-water Cover Features:	Substrate/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel. Water present in small intermittent wetland area east of the crossing.

Fish Species Captured

Method: N/A

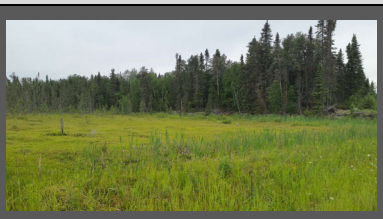
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Northwest at crossing

Photograph B: West at crossing facing bog

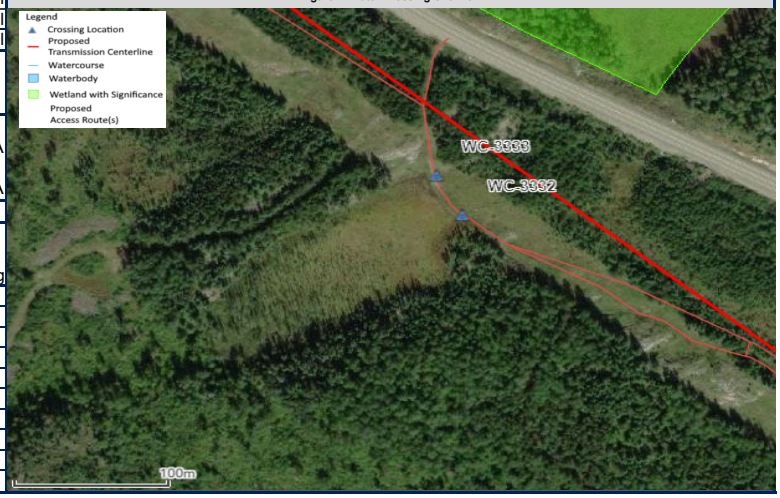


Photograph C: East at crossing

Photograph D: Patches of intermittent standing water adjacent to crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3333**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.70937 Long:	-91.23015
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.43
Conductivity (µS/cm):	297.36
pH:	6.25
Turbidity (NTU):	0.58
DO (mg/L):	5.77
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel. Water present in small intermittent wetland area east of the crossing.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Crossing location

Photograph B: N/A

Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3334**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-18
Alt. Route Segment:				1C
Coordinates of Crossing:	Lat:	48.71247	Long:	-91.23588
Weather Conditions				
Air Temp (°C):				28
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Northeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				40
Visual Permanency:				Non-Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				Pooled
Riparian Vegetation SD1:				Shrubs/Grass/Coniferous Forest
Riparian Vegetation SD2:				Shrubs/Grass/Coniferous Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.35
Wetted Width (m):				22.5
Bank Height (m):				0.45
Bankfull Width (m):				29
Maximum Depth (m):				0.6
Substrate at Crossing				
SD1:				Organics
Bed:				Organics
SD2:				Organics
Water Quality				
Water Colour:				Clear
Temperature (°C):				24.22
Conductivity (µS/cm):				1521.1
pH:				6.25
Turbidity (NTU):				6.04
DO (mg/L):				5.86
Fish Habitat Data				
In-water Cover Features:				Aquatic Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow

General Description:
Small intermittent waterbody (i.e., fully vegetated banks with limited evidence of erosion and sedimentation).

Fish Species Captured

Method: Minnow Trap

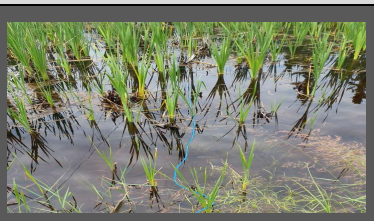
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

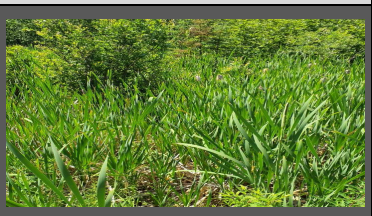
Photograph A: ATV trail near crossing

Photograph B: Minnow trap at crossing



Photograph C: Minnow trap at crossing

Photograph D: Downstream from crossing



Photograph E: Subsurface seepage from downstream of crossing on the other side of atv trail

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3335**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-23
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.72324 Long:	-91.27615
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Subsurface Flow

General Description:
No defined channel and no water present at the crossing.

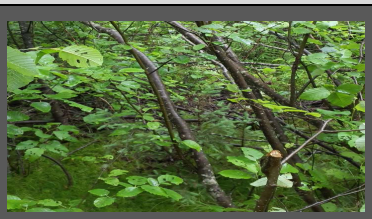
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

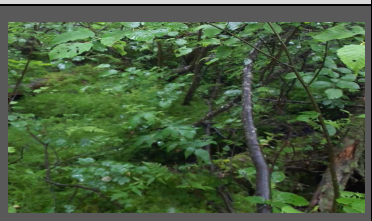
Photograph A: Substrate at crossing

Photograph B: North at crossing



Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3336**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-10
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.72343 Long:	-91.31331
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	50
Visual Permanency:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Grass/Shrubs
Riparian Vegetation SD2:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.5
Wetted Width (m):	6.5
Bank Height (m):	N/A
Bankfull Width (m):	7.1
Maximum Depth (m):	0.75
Substrate at Crossing	
SD1:	Clay/Organics/Silt
Bed:	Clay/Organics/Silt
SD2:	Clay/Organics/Silt
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.44
Conductivity (µS/cm):	18.89
pH:	5.6
Turbidity (NTU):	21.65
DO (mg/L):	6.53
Fish Habitat Data	
In-water Cover Features:	Vegetation/Substrate/Woody Debris/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:
Pooled water on either side of Como Lake Rd.

Fish Species Captured

Method: Electrofishing

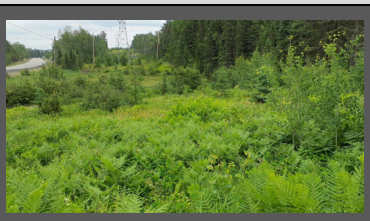
Fish Species Captured: Nil

Fish Habitat Potential Summary

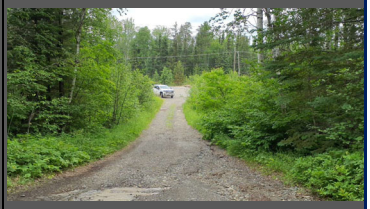
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	Nil
Perch	Low	Low	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Low
Other	Low	Low	Nil	Nil

Photograph A: Small pond west of Como Lake Rd

Photograph B: Northern view of habitat east of Como Lake Rd. Crossing exists within current hydro right-of-way



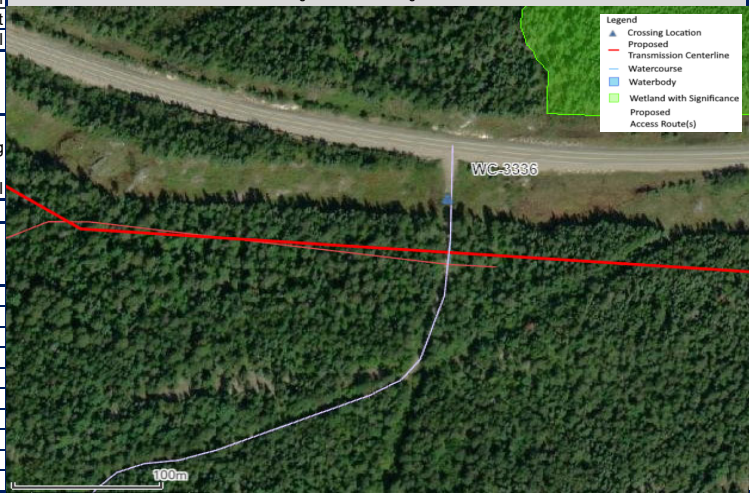
Photograph C: 50 m south of crossing



Photograph D: Culvert west of access road, undermined at this location

Photograph E: Culvert is perched at east side of road, must be damaged under road where water can enter and drain in through

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3343**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-09
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.76772 Long:	-91.47790
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

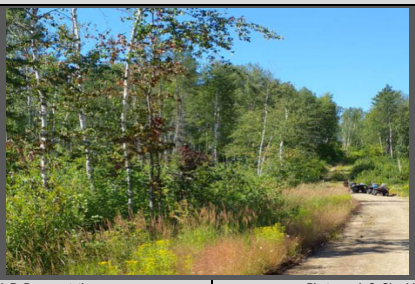
General Description:
No defined channel and no water present.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

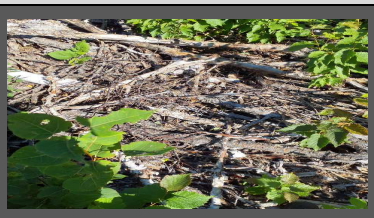
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Access road near crossing

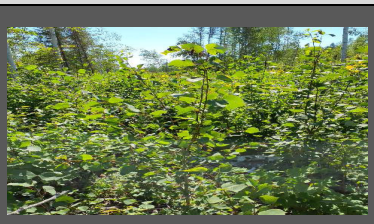


Photograph B: Dry vegetation



Photograph C: Shrubby vegetation

Photograph D: Shrubby vegetation



Photograph E: Roadside vegetation

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3345**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-09
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.76654 Long:	-91.48664
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	Flooded
Riparian Vegetation LDB:	Mixed Forest
Riparian Vegetation RDB:	Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	Organics
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	Tea
Temperature (°C):	18.76
Conductivity (µS/cm):	44.27
pH:	6.04
Turbidity (NTU):	1.13
DO (mg/L):	1.66
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse/waterbody. Small wetland through ATV trail, overflows to lake when water is high enough.

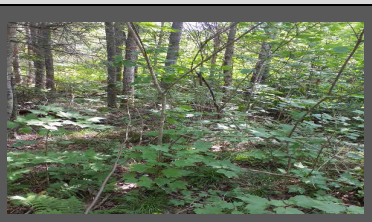
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Flooded ATV trail

Photograph B: 25 m downstream from crossing facing upstream

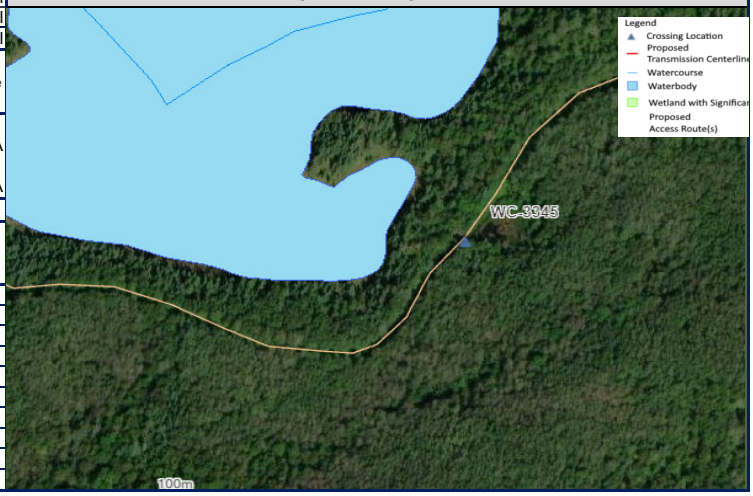


Photograph C: 25 m downstream rom crossing facing downstream

Photograph D: 50 m downstream from crossing facing upstream

Photograph E: 50 m downstream from crossing facing downstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3346**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-09
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.76755 Long:	-91.49804
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Deciduous Forest
Riparian Vegetation RDB:	Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	Fine Sand/Coarse Sand
Bed:	Fine Sand/Coarse Sand
RDB:	Fine Sand/Coarse Sand
Water Quality	
Water Colour:	Clear
Temperature (°C):	16.58
Conductivity (µS/cm):	92.48
pH:	6.16
Turbidity (NTU):	0.96
DO (mg/L):	2.66
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	groundwater seep / spring
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse/no waterbody. Low lying swamp between two lakes. Some flow, likely no water during drier years.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

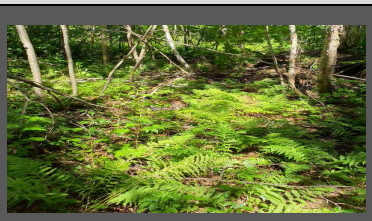
Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Down at crossing

Photograph B: Near crossing looking upstream

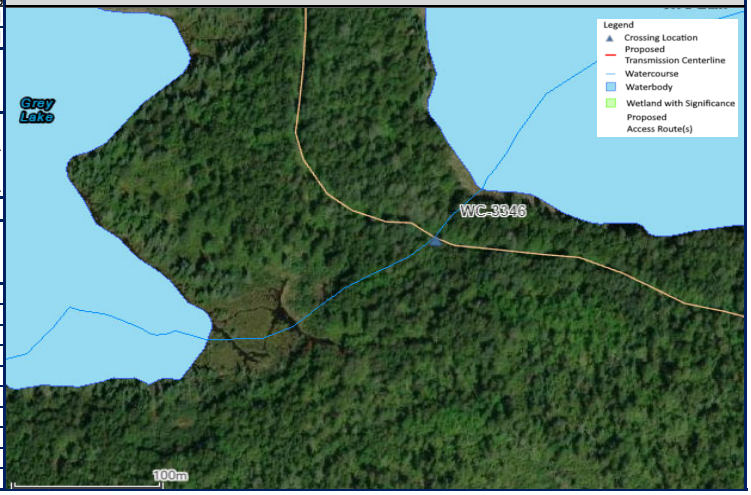
Photograph C: Near crossing looking downstream

Photograph D: Groundwater seepage 25 m upstream, no channel



Photograph E: 25 m downstream from crossing facing upstream

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-3347**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-09
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.77320 Long:	-91.50206
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	51
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Deciduous Forest
Riparian Vegetation RDB:	Deciduous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	20
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	<0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	21.11
Conductivity (µS/cm):	57.51
pH:	6.13
Turbidity (NTU):	1.54
DO (mg/L):	4.11
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Wetland on north side of ATV trail causing water to overflow onto trail. No water present on downgradient side.

Fish Species Captured

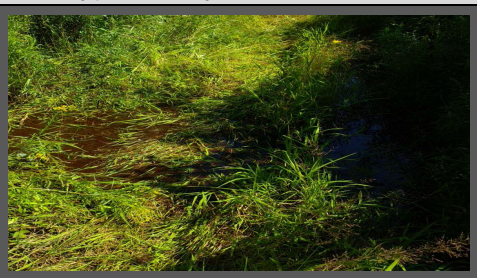
Method: N/A

Fish Species Captured: N/A

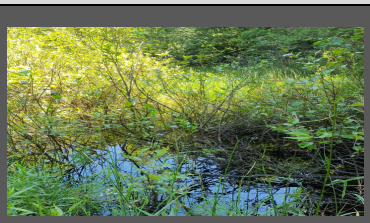
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: West at crossing. Trail flooded from wetland overflow.



Photograph B: North at crossing facing wetland.



Photograph C: South at crossing. No water present.

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3348**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-10
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.76806 Long:	-91.50441
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present.

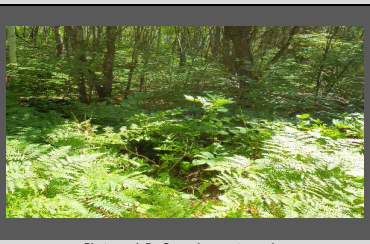
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

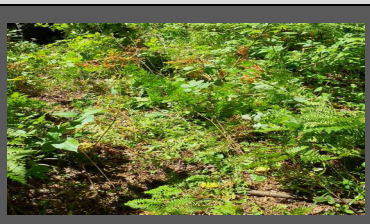
Photograph A: North at crossing.

Photograph B: East at crossing



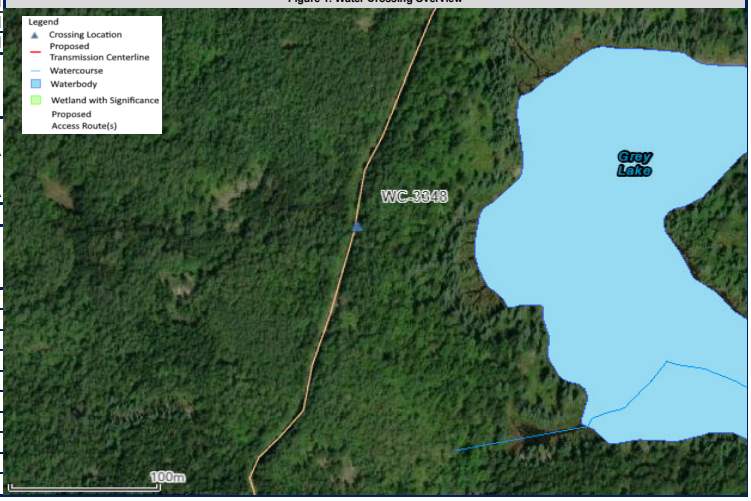
Photograph C: West at crossing

Photograph D: Groundcover at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3349**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-10
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.76555 Long:	-91.50496
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present

Fish Species Captured

Method: N/A

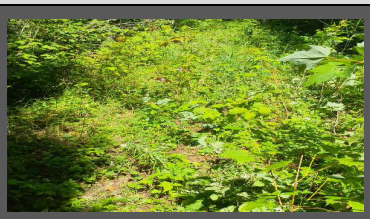
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

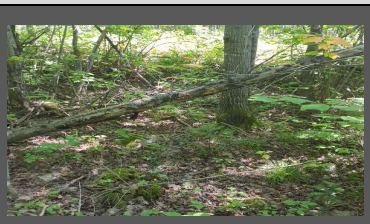
Photograph A: Near crossing. No crossing observed.

Photograph B: North at crossing



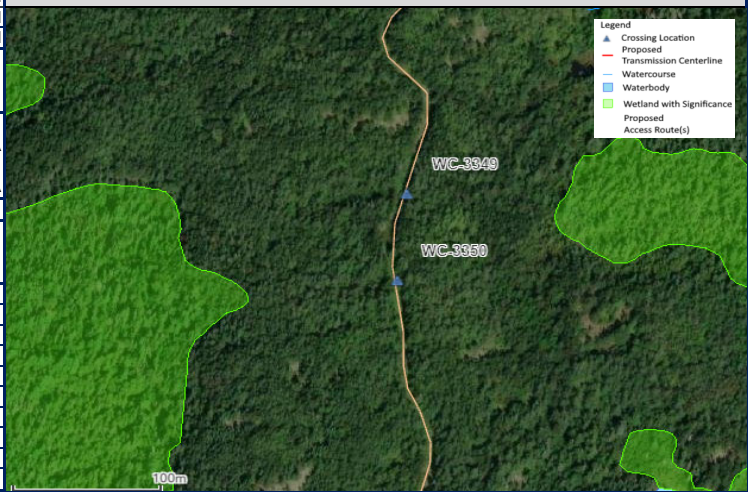
Photograph C: South at crossing

Photograph D: East at crossing



Photograph E: West at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3350**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-10
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.76484 Long:	-91.50528
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water.

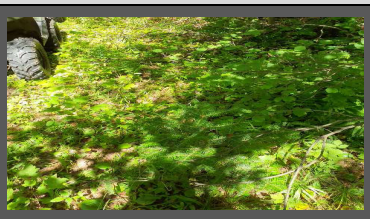
Fish Species Captured
Method: N/A
Fish Species Captured:
N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

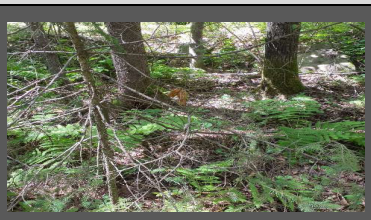
Photograph A: Near crossing

Photograph B: Near crossing facing north



Photograph C: Near crossing facing south

Photograph D: 10 m east of crossing facing west



Photograph E: 10 m west of crossing facing east

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3351**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-10
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.77172 Long:	-91.51081
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Grasses/Coniferous Forest
Riparian Vegetation SD2:	Grasses/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1
Wetted Width (m):	60.88
Bank Height (m):	N/A
Bankfull Width (m):	63.28
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Silt/Coarse Sand/Fine Gravel/Cobble/Organics
Bed:	Organics/Silt/Coarse Sand
SD2:	Organics/Silt/Coarse Sand
Water Quality	
Water Colour:	Clear
Temperature (°C):	20.78
Conductivity (µS/cm):	97.79
pH:	6.75
Turbidity (NTU):	1.31
DO (mg/L):	6.9
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Substrate/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Small permanent waterbody with moderately defined bed and banks, unconfined and moderately stable channel conditions.

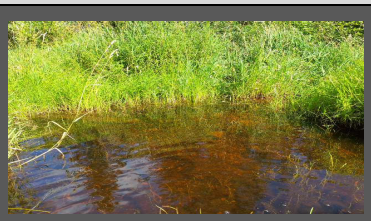
Fish Species Captured
Method: Minnow Trap
Fish Species Captured: Northern Redbelly Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	High
Other	Nil	Nil	Nil	Nil

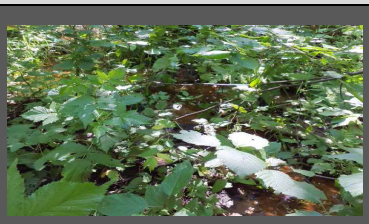
Photograph A: Typical substrate

Photograph B: Crossing facing north towards trail



Photograph C: Crossing facing southeast towards beaver pond

Photograph D: 30 m north from crossing facing south, no channel



Photograph E: Down at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3352**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-10
Alt. Route Segment:	1C
Coordinates of Crossing: Lat: 48.77172 Long:	-91.51081
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Moderate
Riparian Vegetation SD1:	Grasses/Coniferous Forest
Riparian Vegetation SD2:	Grasses/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1
Wetted Width (m):	60.88
Bank Height (m):	N/A
Bankfull Width (m):	63.28
Maximum Depth (m):	>1.5
Substrate at Crossing	
SD1:	Silt/Coarse Sand/Fine Gravel/Cobble/Organics
Bed:	Organics/Silt/Coarse Sand
SD2:	Organics/Silt/Coarse Sand
Water Quality	
Water Colour:	Clear
Temperature (°C):	20.78
Conductivity (µS/cm):	97.79
pH:	6.75
Turbidity (NTU):	1.31
DO (mg/L):	6.9
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Substrate/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:

Beaver pond with multiple dams on south side of centreline. Fish present on all sides of each dam. In same location as water crossing 3351.

Fish Species Captured

Method: Minnow Trap

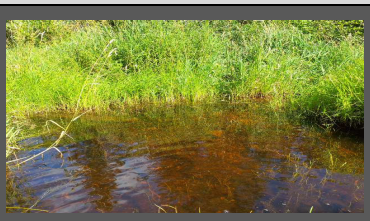
Fish Species Captured: Northern Redbelly Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Nil	High
Other	Nil	Nil	Nil	Nil

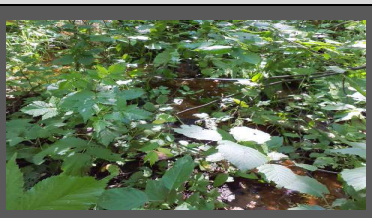
Photograph A: Typical substrate

Photograph B: Crossing facing north towards trail



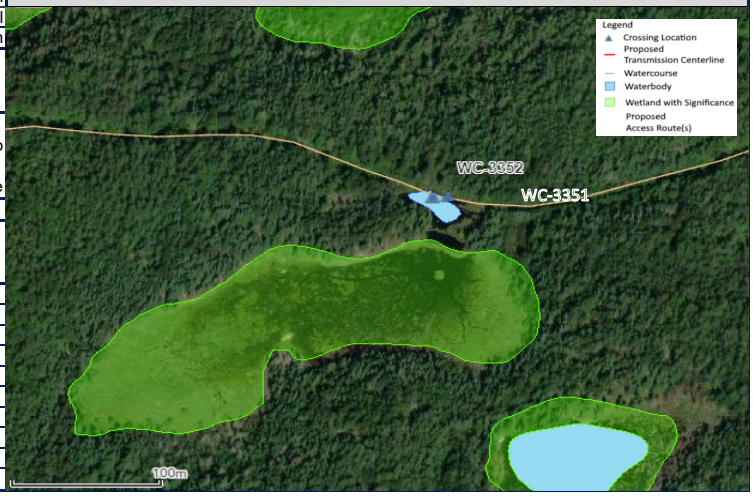
Photograph C: Crossing facing southeast towards beaver pond

Photograph D: 30 m north from crossing facing south, no channel



Photograph E: Down at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3362**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-08-28
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.73366	Long:	-91.55641
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				50
Visual Permanency:				Permanent
Pattern :				Elongated
Confinement:				N/A
Slope:				Moderate
Stage:				Moderate
Riparian Vegetation SD1:				Grass/Coniferous Forest/Shrubs/Bare
Riparian Vegetation SD2:				Grass/Coniferous Forest/Shrubs/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				1
Wetted Width (m):				47.7
Bank Height (m):				N/A
Bankfull Width (m):				49.7
Maximum Depth (m):				>2
Substrate at Crossing				
SD1:				Organics/Boulder/Cobble/Silt
Bed:				Organics/Boulder/Cobble/Silt
SD2:				Organics/Boulder/Cobble/Silt
Water Quality				
Water Colour:				Clear
Temperature (°C):				23.42
Conductivity (µS/cm):				27.33
pH:				5.67
Turbidity (NTU):				3.58
DO (mg/L):				7.57
Fish Habitat Data				
In-water Cover Features:				Aquatic Vegetation/Overhanging Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:
Small permanent waterbody with moderately defined bed and banks, unconfined and moderately stable channel conditions.

Fish Species Captured

Method:	Minnow Trap
Fish Species Captured:	Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	High	High	High	High
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Waterbody overview

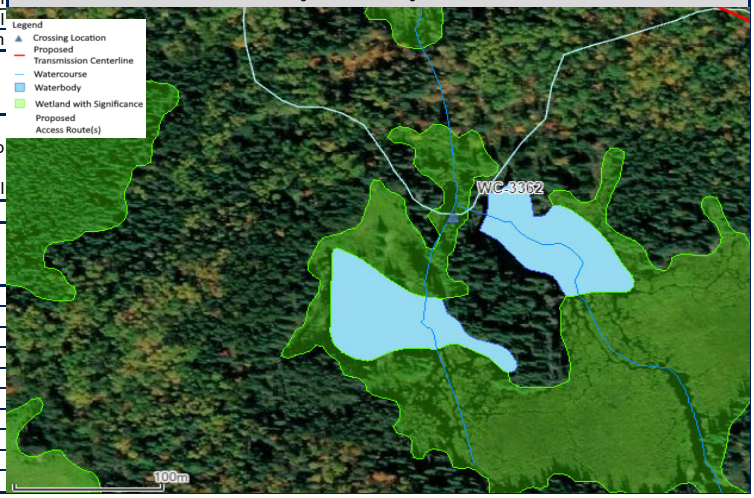
Photograph B: Facing north at pond with beaver dam

Photograph C: Pond facing south

Photograph D: Pond facing west

Photograph E: Facing east at water flowing downhill into pond

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3363**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-13
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.72278 Long:	-91.55150
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grass/Shrubs
Riparian Vegetation RDB:	Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	22.45
Conductivity (µS/cm):	19.91
pH:	5.76
Turbidity (NTU):	1.66
DO (mg/L):	5.88
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

No water at crossing. Pooled water 15 m northeast where water from beaver activity has extended from WC-3366. Water quality taken there.

Fish Species Captured

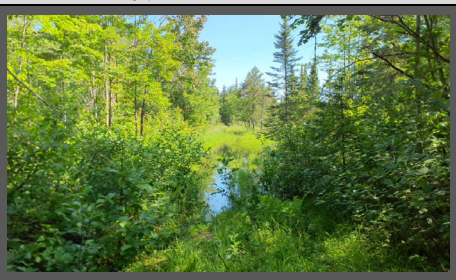
Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/F oraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

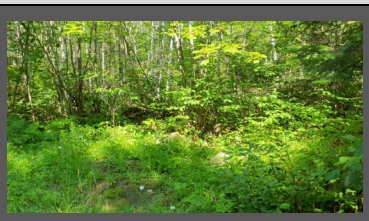
Photograph A: Northeast at flooded trail



Photograph B: Southwest along overgrown trail

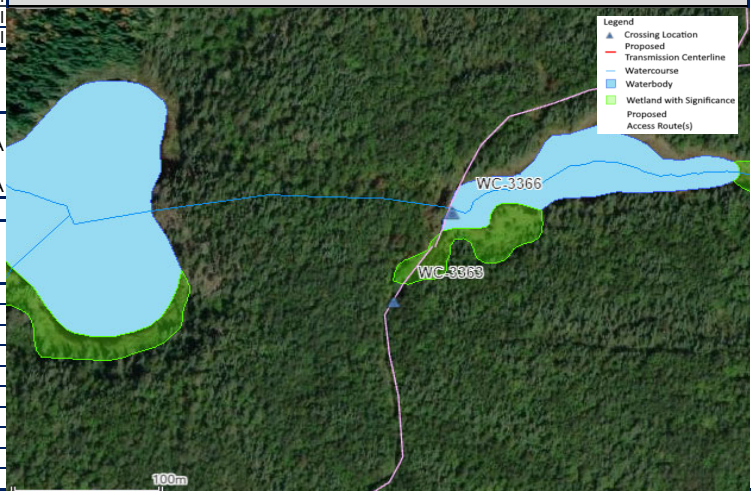
Photograph C: Southeast at adjacent forest

Photograph D: Northwest at adjacent forest



Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3365**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-12
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.71765 Long:	-91.55121
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs
Riparian Vegetation RDB:	Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel, with minor pooling water along the roadway, and wet soil in adjacent forest habitat.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Pooled water on gravel road

Photograph B: Adjacent shrubs with no observable stream

Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3366**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-12
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.72354	Long:	-91.55094
Weather Conditions				
Air Temp (°C):				20
Cloud Cover (%):				50-75
Precipitation Amount/Type:				None
Wind Direction:				South
Wind Rate:				Low
Reach Data				
Habitat Type:				Run(DS)/Riffle(DS)/Impoundment(US)
Length Assessed (m):				194
Visual Permanency:				Permanent
Pattern :				Irregular
Confinement:				Unconfined
Form:				N/A
Stage:				Flooded
Riparian Vegetation LDB:				Grass/Shrubs/Mixed Forest
Riparian Vegetation RDB:				Grass/Shrubs/Mixed Forest
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.47
Wetted Width (m):				7.01
Bank Height (m):				0.2
Bankfull Width (m):				8.05
Maximum Depth (m):				1.5
Substrate at Crossing				
LDB:				Cobble/Gravel/Bedrock/Boulder/Sand/Silt
Bed:				Cobble/Gravel/Bedrock/Boulder/Sand/Silt
RDB:				Cobble/Gravel/Bedrock/Boulder/Sand/Silt
Water Quality				
Water Colour:				Tea
Temperature (°C):				22.45
Conductivity (µS/cm):				19.91
pH:				5.76
Turbidity (NTU):				1.66
DO (mg/L):				5.88
Fish Habitat Data				
In-water Cover Features:				Substrate/Woody Debris/Depth/Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:

Flooded trail due to beaver activity within watercourse. Multiple small impoudments downstream before continuing into small braided streams.

Fish Species Captured

Method: Electrofishing, Minnow Trap

Fish Species Captured:

Leuciscidae sp., Finescale Dace

Fish Habitat Potential Summary

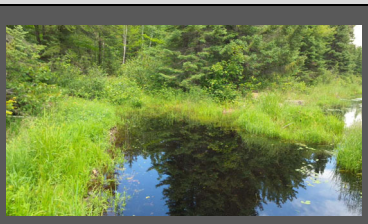
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Medium	Low	Medium
Perch	Low	Low	Low	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Low	Medium
Trout/Whitefish	Nil	Low	Low	Low
Walleye	Low	Low	Low	Nil
Forage Species	Medium	Medium	Medium	Medium
Other	Low	Low	Low	Low

Photograph A: Southwest at crossing along overgrown trail

Photograph B: East at crossing looking across adjacent waterbody

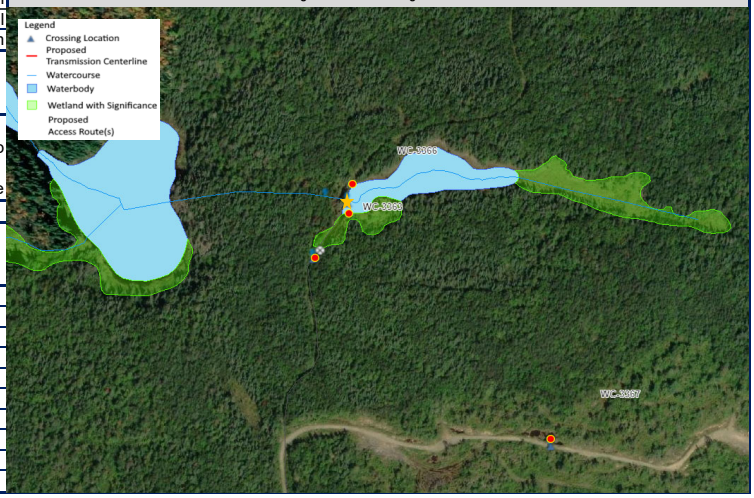
Photograph C: West at crossing

Photograph D: Northeast at crossing



Photograph E: Southwest along overgrown trail

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3367**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-11
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.72090	Long:	-91.54792
Weather Conditions				
Air Temp (°C):				20
Cloud Cover (%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Moderate
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				120
Visual Permanency:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Moderate
Stage:				Moderate
Riparian Vegetation LDB:				Shrubs/Deciduous Forest/Grass/Bare
Riparian Vegetation RDB:				Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				1.1
Wetted Width (m):				4
Bank Height (m):				N/A
Bankfull Width (m):				7
Maximum Depth (m):				>2
Substrate at Crossing				
LDB:				Sand/Organics/Boulder
Bed:				Gravel/Boulder/Sand/Organics
RDB:				Sand/Organics/Boulder
Water Quality				
Water Colour:				Tea
Temperature (°C):				20.07
Conductivity (µS/cm):				23.48
pH:				6.28
Turbidity (NTU):				1.63
DO (mg/L):				7.27
Fish Habitat Data				
In-water Cover Features:				Substrate/Woody Debris/Debris/Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Small pooled waterbody with no flow or channel depression adjacent to gravel access road. Contained by a steep bank on north side of waterbody.

Fish Species Captured

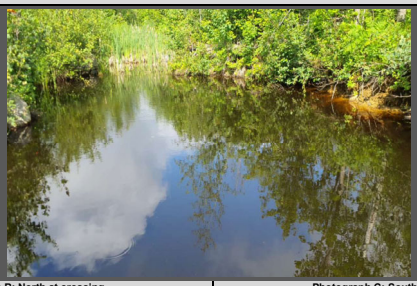
Method: Electrofishing

Fish Species Captured: Nil

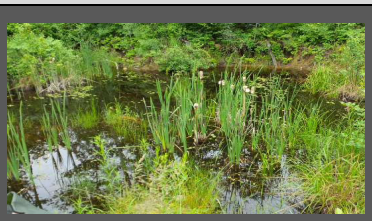
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Nil	Medium
Other	Nil	Nil	Nil	Nil

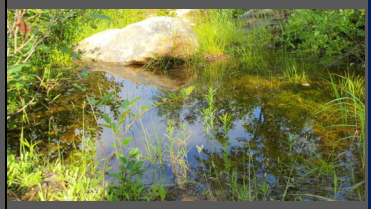
Photograph A: Pooled waterbody



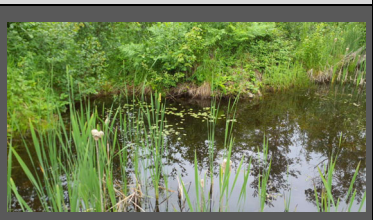
Photograph B: North at crossing



Photograph C: South at crossing



Photograph D: West at crossing



Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3371**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-07-12
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.72394	Long:	-91.52700
Weather Conditions				
Air Temp (°C):				26
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				West
Wind Rate:				Low
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Non-Permanent
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				Mixed Forest/Shrubs
Riparian Vegetation RDB:				Mixed Forest/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

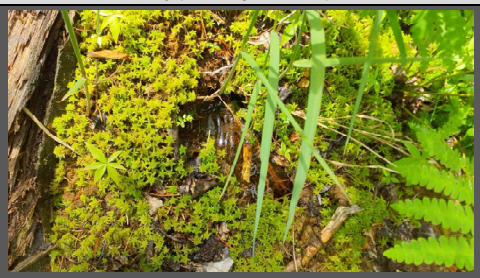
General Description:
No defined channel and no flow, with a small pool located adjacent to site.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

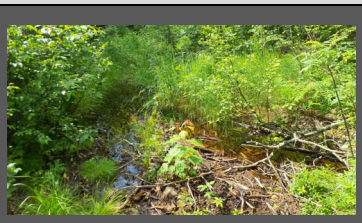
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Small groundwater seep

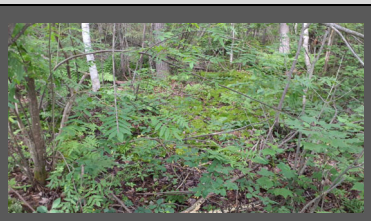


Photograph B: Looking south at pooled water in depression



Photograph C: Shrubs and forest to the east of crossing

Photograph D: Forest to the west of crossing



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3373**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-18
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.72503 Long:	-91.52263
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs
Riparian Vegetation RDB:	Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.02
Wetted Width (m):	75
Bank Height (m):	N/A
Bankfull Width (m):	78
Maximum Depth (m):	0.02
Substrate at Crossing	
LDB:	Organics
Bed:	Organics
RDB:	Organics
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel. Water present only in small pockets throughout muskeg wetland.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

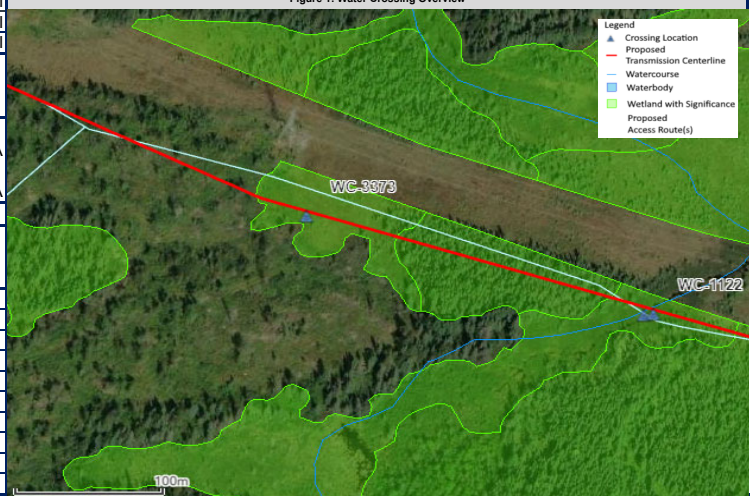
Photograph B: East at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3376**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.72326 Long:	-91.46502
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	50
Visual Permanency:	Non-Permanent
Pattern :	Irregular
Confinement:	N/A
Form:	Irregular
Stage:	Pooled
Riparian Vegetation LDB:	Mixed Forest/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.3
Wetted Width (m):	4
Bank Height (m):	0.4
Bankfull Width (m):	5
Maximum Depth (m):	0.3
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	17.54
Conductivity (µS/cm):	41.6
pH:	5.43
Turbidity (NTU):	0.86
DO (mg/L):	1.11
Fish Habitat Data	
In-water Cover Features:	Substrate/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small intermittent pool in a flooded mixed wood forest.

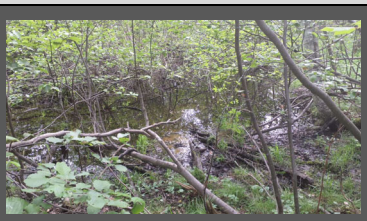
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: South at crossing

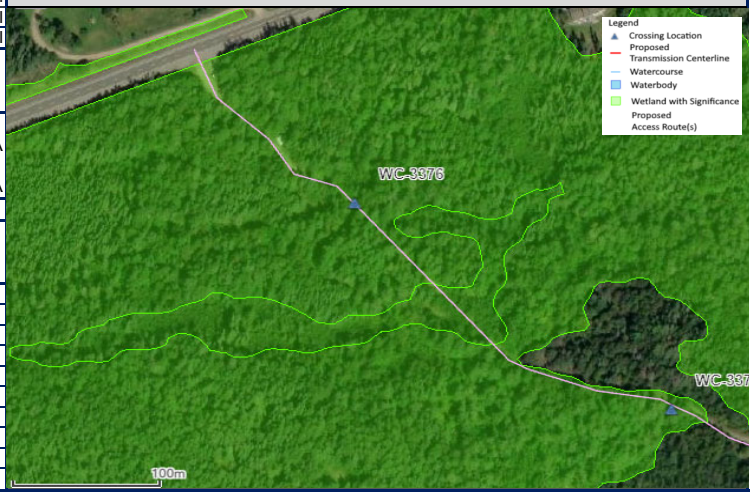


Photograph C: West at crossing

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3377**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.72193 Long:	-91.46210
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	50
Visual Permanency:	Non-Permanent
Pattern :	Round
Confinement:	N/A
Form:	Round
Stage:	Low
Riparian Vegetation LDB:	Mixed Forest
Riparian Vegetation RDB:	Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.75
Wetted Width (m):	4
Bank Height (m):	1.3
Bankfull Width (m):	5
Maximum Depth (m):	<0.75
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	17.46
Conductivity (µS/cm):	65.6
pH:	6.3
Turbidity (NTU):	4.19
DO (mg/L):	0.33
Fish Habitat Data	
In-water Cover Features:	Substrate/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small area of non-permanent pooled water north of a black spruce bog. No visible connectivity to wetland.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North view of intermittent pool

Photograph B: South view intermittent pool

Photograph C: N/A

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3379**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.72040 Long:	-91.46147
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse/no waterbody. Crossing site is a black spruce bog. No water present. Groundcover mostly moss/lichen, soft and spongy.

Fish Species Captured

Method: N/A

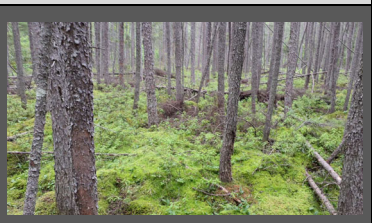
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

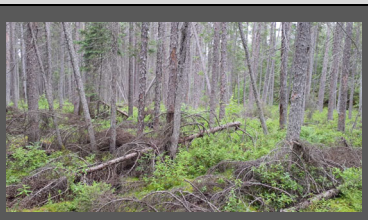
Photograph A: Typical ground cover

Photograph B: Northern view of crossing



Photograph C: Southern view of crossing

Photograph D: West view of crossing



Photograph E: Eastern view of crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3387**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-12
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.71841 Long:	-91.40180
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse/no waterbody. Site exists in a valley of bedrock and may support flow of a spring.

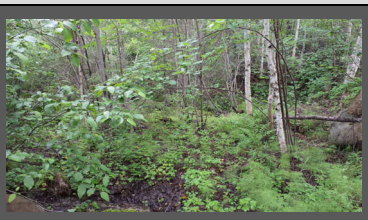
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

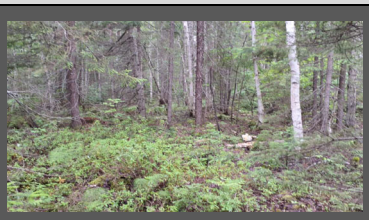
Photograph A: ATV trail near crossing

Photograph B: Northern view of crossing



Photograph C: Southern view of crossing

Photograph D: Western view of crossing



Photograph E: Eastern view of crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3391**

Waterbody Name:				Unnamed
Waterbody Type:				No Defined Channel
Date surveyed:				2022-08-12
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.70493	Long:	-91.39128
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				0
Precipitation Amount/Type:				None
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				No Defined Channel
Length Assessed (m):				100
Visual Permanency:				Nil
Pattern :				N/A
Confinement:				N/A
Form:				N/A
Stage:				N/A
Riparian Vegetation LDB:				N/A
Riparian Vegetation RDB:				N/A
Channel Morphology Data at Crossing				
Wetted Depth (m):				N/A
Wetted Width (m):				N/A
Bank Height (m):				N/A
Bankfull Width (m):				N/A
Maximum Depth (m):				N/A
Substrate at Crossing				
LDB:				N/A
Bed:				N/A
RDB:				N/A
Water Quality				
Water Colour:				N/A
Temperature (°C):				N/A
Conductivity (µS/cm):				N/A
pH:				N/A
Turbidity (NTU):				N/A
DO (mg/L):				N/A
Fish Habitat Data				
In-water Cover Features:				Nil
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
No defined channel and no water present.

Fish Species Captured

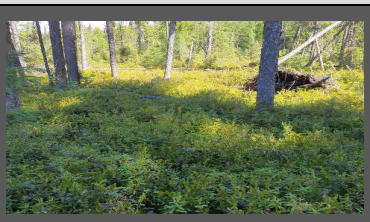
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

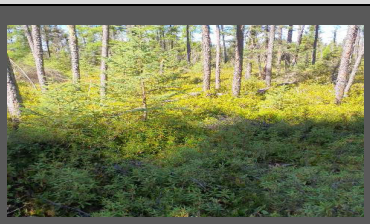
Photograph A: Typical ground cover

Photograph B: Northern view of crossing



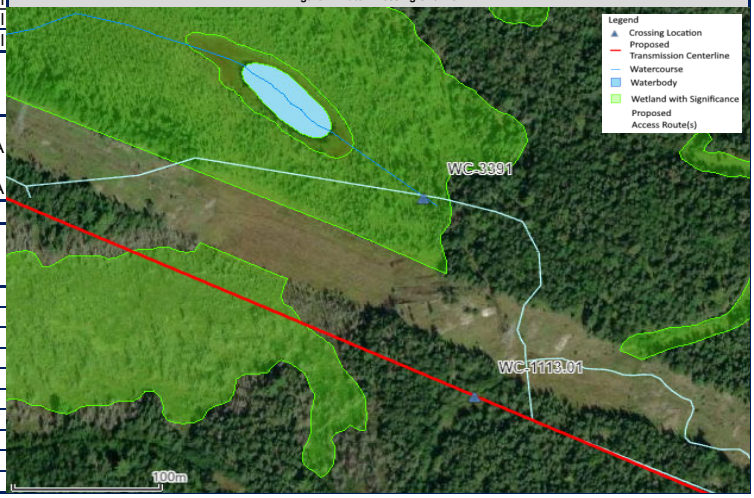
Photograph C: Southern view of crossing

Photograph D: West view of crossing



Photograph E: Eastern view of crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3407**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-11
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.68101 Long:	-91.31526
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	High
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Grass
Riparian Vegetation RDB:	Shrubs/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and only small areas of shallow standing water present at the crossing.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: West towards crossing

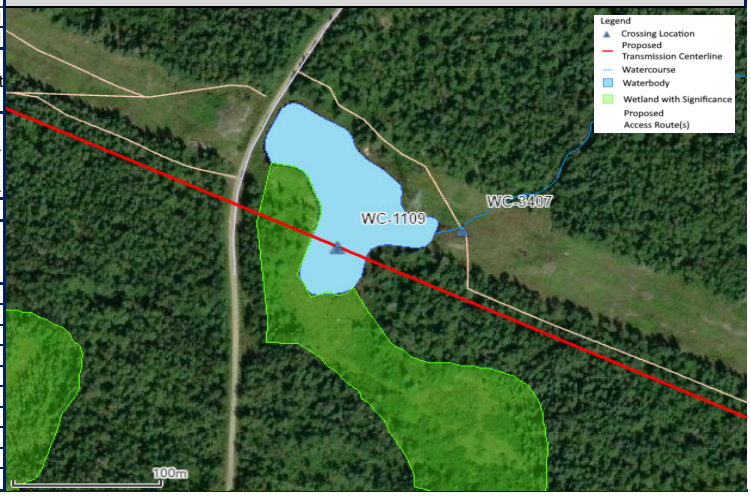
Photograph B: North at crossing

Photograph C: East at crossing

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3413**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-08
Alt. Route Segment:				1
Coordinates of Crossing:	Lat:	48.66616	Long:	-91.24723
Weather Conditions				
Air Temp (°C):				20
Cloud Cover (%):				25-50
Precipitation Amount/Type:				None
Wind Direction:				Northeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Impoundment(US)/Pool
Length Assessed (m):				100
Visual Permanency:				Permanent
Pattern :				Straight
Confinement:				Unconfined
Form:				Neutral
Stage:				Pooled
Riparian Vegetation SD1:				Grass/Coniferous Forest/Bare
Riparian Vegetation SD2:				Coniferous Forest/Grass/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				<0.5
Wetted Width (m):				2.5
Bank Height (m):				0.02
Bankfull Width (m):				3
Maximum Depth (m):				<0.5
Substrate at Crossing				
LDB:				Organics/Gravel/Coarse Sand/Silt/Cobble
Bed:				Cobble/Gravel/Coarse Sand/Fine Sand/Organics
RDB:				Cobble/Gravel/Coarse Sand/Fine Sand/Organics
Water Quality				
Water Colour:				Clear
Temperature (°C):				21.6
Conductivity (µS/cm):				35.16
pH:				5.02
Turbidity (NTU):				26.01
DO (mg/L):				4.72
Fish Habitat Data				
In-water Cover Features:				Substrate/Woody Debris/Depth/Vegetation
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Beaver Dam

General Description:
Small pool with moderately defined bed and banks. Water flows through beaver dam onto trail where it pools.

Fish Species Captured

Method: Electrofishing, Minnow Trap

Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Low
Eel/Lamprey	Nil	Low	Nil	Low
Northern Pike	Low	Low	Nil	Low
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Low	Nil	Low
Walleye	Nil	Nil	Nil	Low
Forage Species	Low	Low	Nil	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Looking upstream at pond/wetland

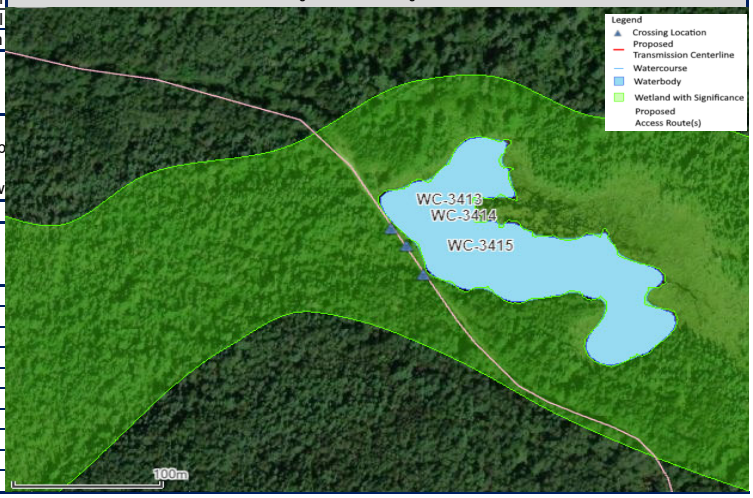
Photograph B: Looking upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3414**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-08
Alt. Route Segment:	1
Coordinates of Crossing:	Lat: 48.66599 Long: -91.24703
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Impoundment(US)/Pool/Flat(DS)
Length Assessed (m):	15
Visual Permanency:	Permanent
Pattern :	Straight
Confinement:	Occasionally Confined
Slope:	Neutral
Stage:	Pooled
Riparian Vegetation SD1:	Grass/Coniferous Forest/Bare
Riparian Vegetation SD2:	Grass/Coniferous Forest/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.02
Wetted Width (m):	0.2
Bank Height (m):	0.1
Bankfull Width (m):	0.5
Maximum Depth (m):	0.15
Substrate at Crossing	
LDB:	Organics/Gravel/Coarse Sand/Silt/Cobble
Bed:	Cobble/Gravel/Coarse Sand/Fine Sand/Organics
RDB:	Cobble/Gravel/Coarse Sand/Fine Sand/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	21.6
Conductivity (µS/cm):	35.16
pH:	5.02
Turbidity (NTU):	26.01
DO (mg/L):	4.72
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Small pool with moderately defined bed and banks. Water flows through beaver dam onto trail where it pools and then continues downstream.

Fish Species Captured

Method: Electrofishing, Minnow Trap

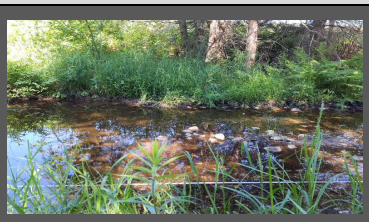
Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Low
Eel/Lamprey	Nil	Low	Nil	Low
Northern Pike	Low	Low	Nil	Low
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Low	Nil	Low
Walleye	Nil	Nil	Nil	Low
Forage Species	Low	Low	Nil	Medium
Other	Nil	Nil	Nil	Nil

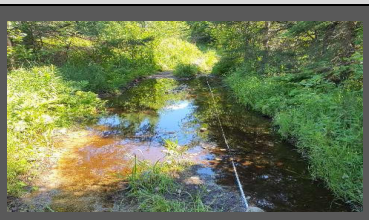
Photograph A: 10 m downstream facing upstream

Photograph B: Looking upstream at crossing



Photograph C: Looking downstream at crossing

Photograph D: Right downstream bank



Photograph E: 10 m downstream facing upstream

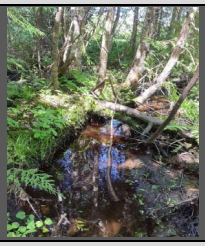
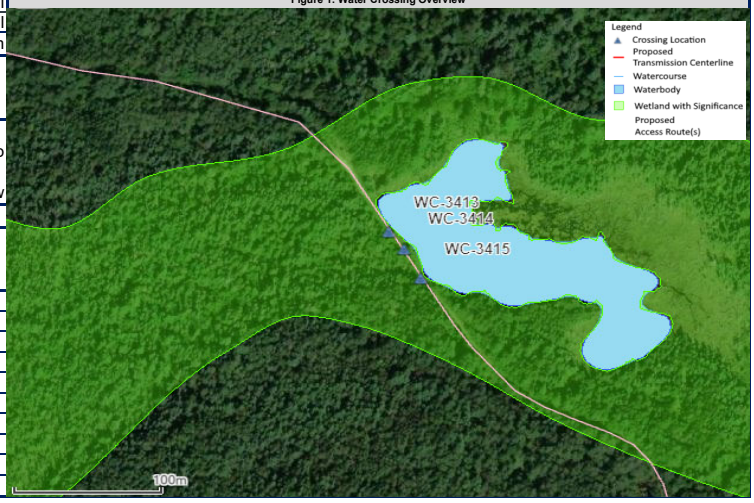


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3415**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-08
Alt. Route Segment:	1
Coordinates of Crossing:	Lat: 48.66579 Long: -91.24675
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Impoundment(US)/Pool/Run(DS)
Length Assessed (m):	100
Visual Permanency:	Permanent
Pattern :	Straight
Confinement:	Unconfined
Slope:	Neutral
Stage:	Pooled
Riparian Vegetation SD1:	Grass/Shrubs/Coniferous Forest/Bare
Riparian Vegetation SD2:	Grass/Shrubs/Coniferous Forest/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.5
Wetted Width (m):	2.5
Bank Height (m):	0.1
Bankfull Width (m):	3
Maximum Depth (m):	<0.5
Substrate at Crossing	
LDB:	Organics/Gravel/Coarse Sand/Silt/Cobble
Bed:	Cobble/Gravel/Coarse Sand/Fine Sand/Organics
RDB:	Cobble/ Gravel/Coarse Sand/Fine Sand/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	21.6
Conductivity (µS/cm):	35.16
pH:	5.02
Turbidity (NTU):	26.01
DO (mg/L):	4.72
Fish Habitat Data	
In-water Cover Features:	Substrate/Woody Debris/Depth/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Small pool with moderately defined bed and banks. Water flows through beaver dam onto trail where it pools and then continues downstream.

Fish Species Captured

Method: Electrofishing, Minnow Trap

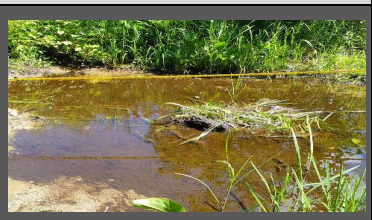
Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Low	Nil	Low
Eel/Lamprey	Nil	Low	Nil	Low
Northern Pike	Low	Low	Nil	Low
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Nil	Low
Trout/Whitefish	Nil	Low	Nil	Low
Walleye	Nil	Nil	Nil	Low
Forage Species	Low	Low	Nil	Medium
Other	Nil	Nil	Nil	Nil

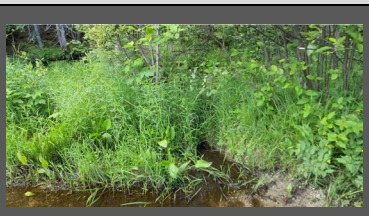
Photograph A: Upstream at crossing

Photograph B: Upstream at crossing



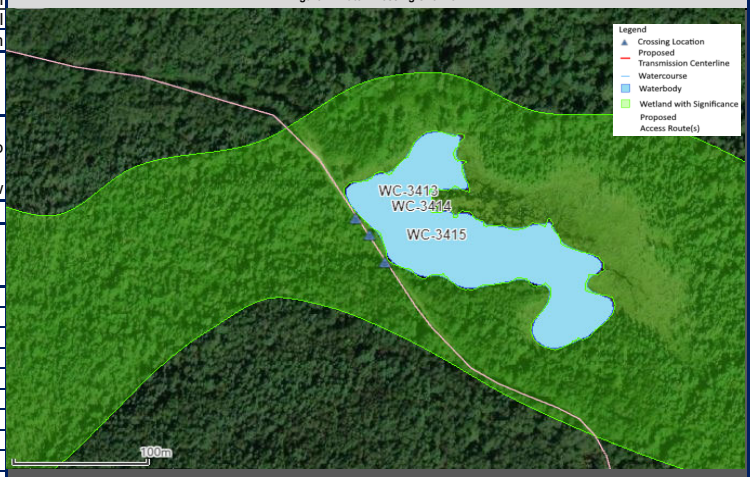
Photograph C: Right downstream bank at crossing

Photograph D: Downstream at crossing



Photograph E: Pool downstream of crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3416**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-18
Alt. Route Segment:	1
Coordinates of Crossing: Lat: 48.66102 Long:	-91.23705
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	50
Visual Permanency:	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Moderate
Stage:	Low
Riparian Vegetation SD1:	Mixed Forest/Grass/Shrubs
Riparian Vegetation SD2:	Mixed Forest/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.4
Wetted Width (m):	13.5
Bank Height (m):	0.375
Bankfull Width (m):	15.5
Maximum Depth (m):	0.55
Substrate at Crossing	
SD1:	Organics/Sand/Gravel
Bed:	Organics/Sand/Gravel
SD2:	Organics/Sand/Gravel
Water Quality	
Water Colour:	Tea
Temperature (°C):	19.88
Conductivity (µS/cm):	27.99
pH:	5.83
Turbidity (NTU):	5
DO (mg/L):	1.65
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Small waterbody with fully vegetated banks with some evidence of erosion and sedimentation, such as slumping and undercut banks.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Central Mudminnow

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Looking south at pond/bog area

Photograph B: Looking north and upstream at crossing

Photograph C: Looking south at crossing

Photograph D: Right downstream bank at crossing

Photograph E: Left downstream bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-3425

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-17
Alt. Route Segment:	2B
Coordinates of Crossing: Lat: 48.73723 Long:	-91.64315
Weather Conditions	
Air Temp (°C):	30
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Mixed Forest/Grass
Riparian Vegetation RDB:	Mixed Forest/Grass/Shrubs/Bare
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.05
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	21
Maximum Depth (m):	0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Brown
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no flow present at the crossing.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

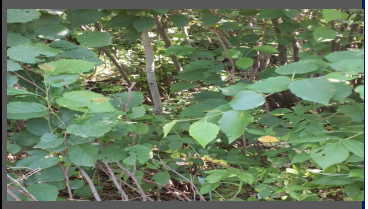
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

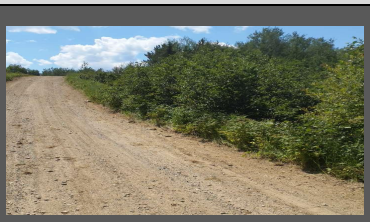
Photograph A: Substrate 5 m upstream of crossing

Photograph B: Crossing

Photograph C: Downstream of crossing



Photograph D: West at crossing



Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-3454**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-25
Alt. Route Segment:	2B
Coordinates of Crossing: Lat: 48.80844 Long:	-91.71436
Weather Conditions	
Air Temp (°C):	11
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Coniferous Forest
Riparian Vegetation RDB:	Muskeg/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	10.53
Conductivity (µS/cm):	30.86
pH:	4.4
Turbidity (NTU):	7.35
DO (mg/L):	6.42
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Black spruce forest. Pockets of standing water, but no defined channel or flow.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: N/A[a]

Photograph B: N/A[a]

Photograph C: N/A[a]

Photograph D: N/A[a]

Photograph E:N/A[a]

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3465**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-14
Alt. Route Segment:	2B
Coordinates of Crossing: Lat: 48.84026 Long:	-91.68948
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present at the crossing. Art Lake is located 30 m downslope but no connectivity to site.

Fish Species Captured

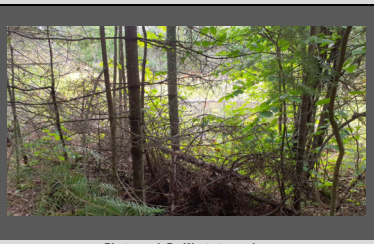
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

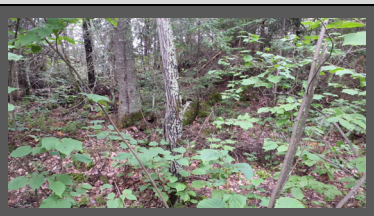
Photograph A: North at crossing

Photograph B: East at crossing



Photograph C: South at crossing

Photograph D: West at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3466**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-20
Alt. Route Segment:	2B
Coordinates of Crossing: Lat: 48.84772 Long:	-91.68686
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Southeast
Wind Rate:	Low
Reach Data	
Habitat Type:	Pond
Length Assessed (m):	200
Visual Permanency:	Permanent
Pattern :	Round
Confinement:	N/A
Slope:	Low
Stage:	Flooded
Riparian Vegetation SD1:	Mixed Forest/Grass/Shrubs
Riparian Vegetation SD2:	Mixed Forest/Grass/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	36
Bank Height (m):	1
Bankfull Width (m):	12
Maximum Depth (m):	>2
Substrate at Crossing	
SD1:	Organics/Silt
Bed:	Organics/Silt
SD2:	Organics/Silt
Water Quality	
Water Colour:	Clear
Temperature (°C):	24.28
Conductivity (µS/cm):	27.55
pH:	6
Turbidity (NTU):	14.54
DO (mg/L):	3.02
Fish Habitat Data	
In-water Cover Features:	Aquatic Vegetation/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Coarse Substrate/Thick Aquatic Vegetation

General Description:
Small pond with dense aquatic vegetation, surrounded by wetland. Outflow flows to WC-3467.

Fish Species Captured

Method: Minnow Trap

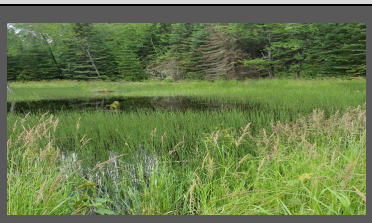
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Low	High
Other	Nil	Nil	Nil	Nil

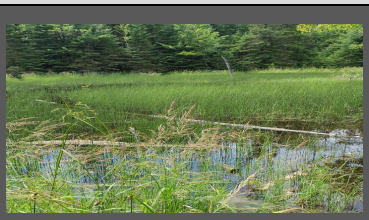
Photograph A: Substrate at crossing

Photograph B: Facing northwest at crossing



Photograph C: South bank at crossing

Photograph D: West direction of crossing 3467



Photograph E: Showing ATV trail cuts through ponded area facing south

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3467**

Waterbody Name:				Unnamed
Waterbody Type:				Watercourse
Date surveyed:				2022-07-20
Alt. Route Segment:				2B
Coordinates of Crossing:	Lat:	48.84738	Long:	-91.68688
Weather Conditions				
Air Temp (°C):				28
Cloud Cover (%):				75-100
Precipitation Amount/Type:				None
Wind Direction:				Southeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Run
Length Assessed (m):				150
Visual Permanency:				Non-Permanent
Pattern :				Irregular Meander
Confinement:				Occasionally Confined
Form:				Neutral
Stage:				Flooded
Riparian Vegetation LDB:				Grass/Shrubs/Deciduous Forest
Riparian Vegetation RDB:				Shrubs/Mixed Forest/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.6
Wetted Width (m):				0.73
Bank Height (m):				0.3
Bankfull Width (m):				1.13
Maximum Depth (m):				0.25
Substrate at Crossing				
LDB:				Organics
Bed:				Organics
RDB:				Organics
Water Quality				
Water Colour:				Clear
Temperature (°C):				24.29
Conductivity (µS/cm):				23.44
pH:				6.23
Turbidity (NTU):				9.43
DO (mg/L):				4.74
Fish Habitat Data				
In-water Cover Features:				Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Subsurface Flow/Debris Pile

General Description:
Small ephemeral watercourse with poorly defined bed and banks that flows unconfined from upstream pond, downstream into small run.

Fish Species Captured

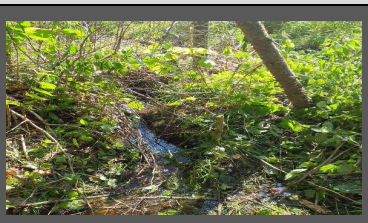
Method:	N/A
Fish Species Captured:	N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Looking upstream at crossing



Photograph C: Looking downstream at crossing

Photograph D: Right downstream bank

Photograph E: Left downstream bank

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3472**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-22
Alt. Route Segment:	2A
Coordinates of Crossing: Lat: 48.75104 Long:	-91.58022
Weather Conditions	
Air Temp (°C):	27
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northeast
Wind Rate:	Moderate
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Mixed Forest/Grass
Riparian Vegetation RDB:	Shrubs/Mixed Forest/Grass
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Dry drainage channel with boulders and cobble. No defined bed or banks. The dry channel disappears within 15 m north and south of crossing.

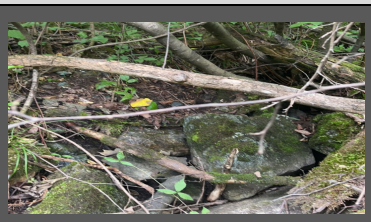
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

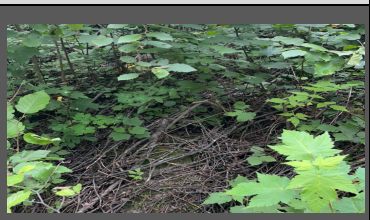
Photograph A: Substrate at crossing

Photograph B: Upstream at crossing



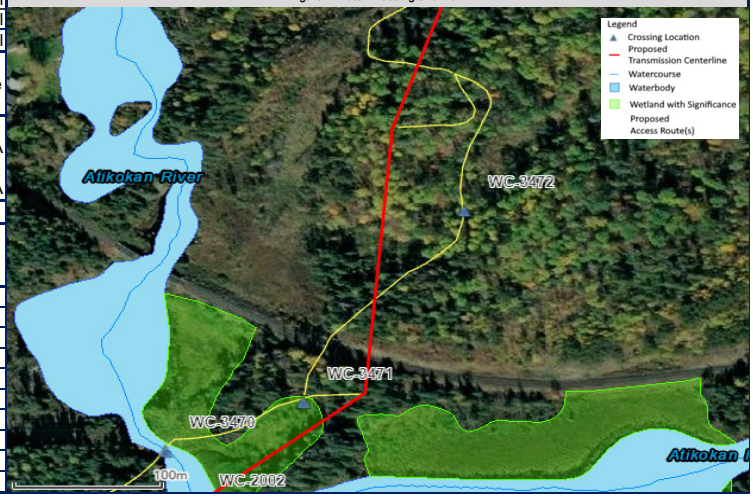
Photograph C: Downstream at crossing

Photograph D: West at crossing



Photograph E: Shrubby vegetation

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3475**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-17
Alt. Route Segment:	2A
Coordinates of Crossing: Lat: 48.75457 Long:	-91.57883
Weather Conditions	
Air Temp (°C):	25
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest
Riparian Vegetation RDB:	Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.05
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	0.1
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Tea
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse or waterbody present. At crossing there is water in small puddles collecting in muddy depressions between boulders.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

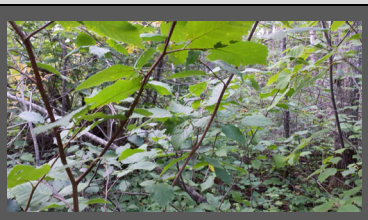
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Extent of water at crossing

Photograph B: Facing north at crossing

Photograph C: At crossing facing south

Photograph D: Facing west at crossing



Photograph E: Facing east at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3476**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-18
Alt. Route Segment:	2A
Coordinates of Crossing: Lat: 48.75513 Long:	-91.57826
Weather Conditions	
Air Temp (°C):	29
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no water present. Crossing is located between two hills adjacent to the hydro corridor.

Fish Species Captured

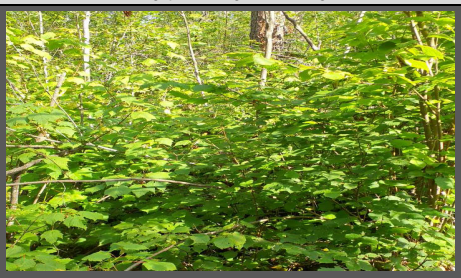
Method: N/A

Fish Species Captured: N/A

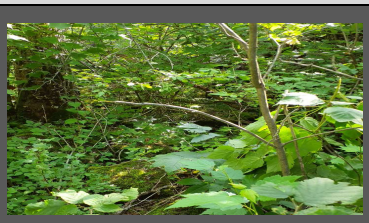
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Looking west at crossing

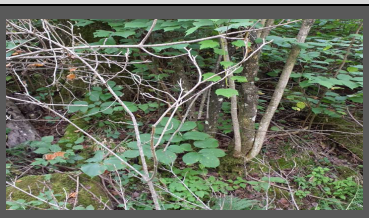


Photograph B: Looking northeast at crossing



Photograph C: Looking southwest at crossing

Photograph D: Looking south at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3477**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-18
Alt. Route Segment:	2A
Coordinates of Crossing: Lat: 48.75800 Long:	-91.57780
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Type:	No Defined Channel
Length Assessed (m):	100
Visual Permanency:	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate at Crossing	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel and no open water present, but wetland area saturated.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

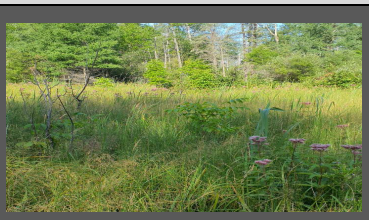
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Looking north at wetland on hydro corridor

Photograph B: Looking east

Photograph C: Looking south on hydro corridor

Photograph D: Looking west at wetland



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3479**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-11
Alt. Route Segment:				2A
Coordinates of Crossing:	Lat:	48.76378	Long:	-91.57682
Weather Conditions				
Air Temp (°C):				18
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Light Rain
Wind Direction:				West
Wind Rate:				Moderate
Reach Data				
Habitat Type:				Pond
Length Assessed (m):				75
Visual Permanency:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Low
Stage:				Moderate
Riparian Vegetation SD1:				Grass/Shrubs/Bare
Riparian Vegetation SD2:				Deciduous Forest/Shrubs/Grass
Channel Morphology Data at Crossing				
Wetted Depth (m):				1
Wetted Width (m):				25
Bank Height (m):				0.75
Bankfull Width (m):				44.8
Maximum Depth (m):				1.5
Substrate at Crossing				
SD1:				N/A
Bed:				Organics/Clay/Gravel/Sand/Bedrock/Boulder
SD2:				N/A
Water Quality				
Water Colour:				Tea
Temperature (°C):				19.75
Conductivity (µS/cm):				257.68
pH:				7
Turbidity (NTU):				1.48
DO (mg/L):				3.57
Fish Habitat Data				
In-water Cover Features:				Vegetation/Woody Debris/Depth
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Small permanent waterbody (i.e., well vegetated with limited evidence of erosion and sedimentation).

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Low	Low	Nil	Low
Eel/Lamprey	Nil	Nil	Nil	Low
Northern Pike	Medium	Medium	Nil	Medium
Perch	Low	Low	Nil	Low
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Nil	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Northwest view of pond

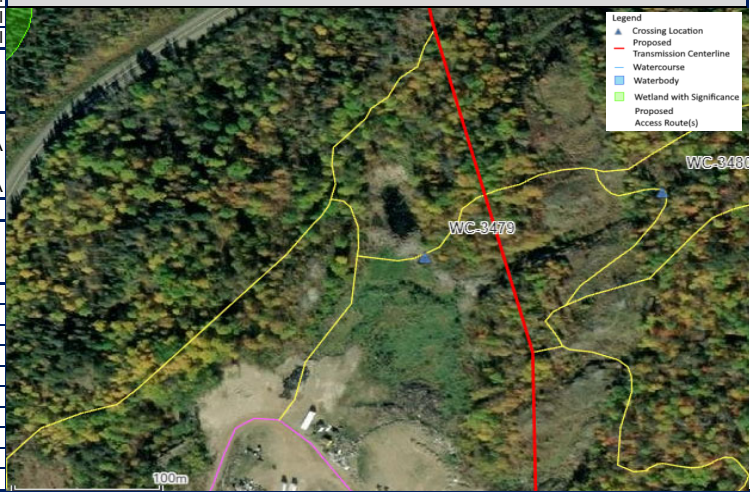
Photograph B: Northeast view of pond

Photograph C: Overall view of pond, note small cattail marsh at northern extent

Photograph D: N/A

Photograph E: N/A

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3486**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-11
Alt. Route Segment:				2A
Coordinates of Crossing:	Lat:	48.81718	Long:	-91.59107
Weather Conditions				
Air Temp (°C):				24
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Light Rain
Wind Direction:				Southeast
Wind Rate:				Moderate
Reach Data				
Habitat Type:				Pond(US)/Run(US)
Length Assessed (m):				205
Visual Permanency:				Permanent
Pattern :				Straight
Confinement:				Frequently Confined
Slope:				-
Stage:				Moderate
Riparian Vegetation SD1:				Grass/Bare/Shrubs
Riparian Vegetation SD2:				Mixed Forest/Shrubs/Grass/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				0.19
Wetted Width (m):				4.44
Bank Height (m):				N/A
Bankfull Width (m):				4.33
Maximum Depth (m):				0.6
Substrate at Crossing				
SD1:				Cobble/Coarse Gravel/Coarse Sand
Bed:				Cobble/Fine Gravel
SD2:				Cobble/Coarse Gravel
Water Quality				
Water Colour:				Clear
Temperature (°C):				14.81
Conductivity (µS/cm):				164.61
pH:				6.68
Turbidity (NTU):				0.32
DO (mg/L):				7.68
Fish Habitat Data				
In-water Cover Features:				Vegetation/Substrate/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Culvert
Fish Impediments/Barriers:				Drop

General Description:
Small permanent watercourse, moderately defined and stable.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

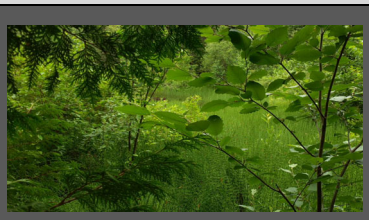
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Low	Medium	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Culvert at crossing

Photograph B: Near crossing location looking downstream

Photograph C: Near crossing location looking upstream

Photograph D: Approximately 50 m upstream from crossing looking downstream



Photograph E: Approximately 50 m downstream from crossing looking upstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3488**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-07-14
Alt. Route Segment:				2A
Coordinates of Crossing:	Lat:	48.82294	Long:	-91.59000
Weather Conditions				
Air Temp (°C):				26
Cloud Cover (%):				<25
Precipitation Amount/Type:				None
Wind Direction:				Northeast
Wind Rate:				Low
Reach Data				
Habitat Type:				Lake
Length Assessed (m):				200
Visual Permanency:				Permanent
Pattern :				Irregular
Confinement:				N/A
Slope:				Flat
Stage:				Flooded
Riparian Vegetation SD1:				Grass/Coniferous Forest/Muskeg/Bare/Shrubs
Riparian Vegetation SD2:				Grass/Coniferous Forest/Muskeg/Bare/Shrubs
Channel Morphology Data at Crossing				
Wetted Depth (m):				>1
Wetted Width (m):				52.9
Bank Height (m):				0.3
Bankfull Width (m):				79.2
Maximum Depth (m):				>1.5
Substrate at Crossing				
SD1:				Fines
Bed:				Organics/Clay/Silt/Gravel/Cobble/Boulder
SD2:				Fines
Water Quality				
Water Colour:				Clear
Temperature (°C):				24.93
Conductivity (µS/cm):				225.5
pH:				7.66
Turbidity (NTU):				3.99
DO (mg/L):				7.31
Fish Habitat Data				
In-water Cover Features:				Depth/Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Nil

General Description:
Crossing located on a raised permanent island along a path seperating two halves of a lake.

Fish Species Captured

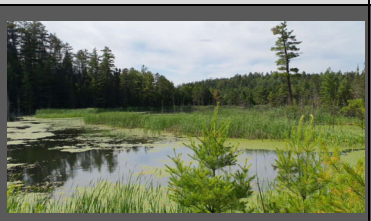
Method: Minnow Trap
Fish Species Captured: Northern Redbelly Dace
Pearl Dace, Central Mudminnow, Brook Stickleback

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Medium
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Nil

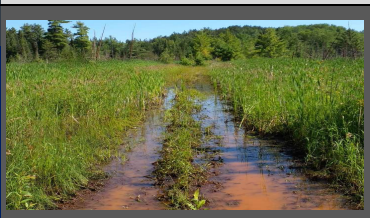
Photograph A: Crossing location

Photograph B: Looking north at crossing



Photograph C: Looking south at crossing

Photograph D: Approximately 100 m downstream of crossing looking north



Photograph E: Approximately 100 m downstream looking south

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3489**

Waterbody Name:				Unnamed
Waterbody Type:				Lake/Pond
Date surveyed:				2022-08-25
Alt. Route Segment:				2A / 2C
Coordinates of Crossing:	Lat:	48.82719	Long:	-91.59752
Weather Conditions				
Air Temp (°C):				22
Cloud Cover (%):				75-100
Precipitation Amount/Type:				Moderate Rain
Wind Direction:				No Wind
Wind Rate:				Calm
Reach Data				
Habitat Type:				Lake
Length Assessed (m):				200
Visual Permanency:				Permanent
Pattern :				Elongated
Confinement:				N/A
Slope:				Steep
Stage:				Moderate
Riparian Vegetation SD1:				Mixed Forest/Shrubs/Bare
Riparian Vegetation SD2:				Mixed Forest/Shrubs/Bare
Channel Morphology Data at Crossing				
Wetted Depth (m):				>2
Wetted Width (m):				15
Bank Height (m):				5
Bankfull Width (m):				15
Maximum Depth (m):				>2
Substrate at Crossing				
SD1:				Cobble/Coarse Gravel/Medium Gravel/Boulder
Bed:				Boulder
SD2:				Boulder
Water Quality				
Water Colour:				Clear
Temperature (°C):				21.12
Conductivity (µS/cm):				201.27
pH:				7.57
Turbidity (NTU):				0.48
DO (mg/L):				7.34
Fish Habitat Data				
In-water Cover Features:				Vegetation/Woody Debris
Sensitive Features:				Nil
Existing Infrastructure:				Nil
Fish Impediments/Barriers:				Dam

General Description:
The crossing is located on a large concrete dam at the southwest end of a large human-made lake carved deep into bedrock.

Fish Species Captured

Method: Angling, Minnow Trap

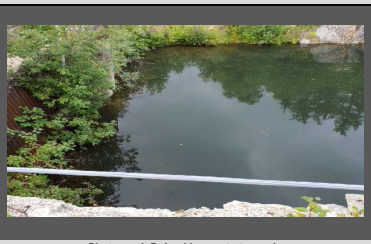
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

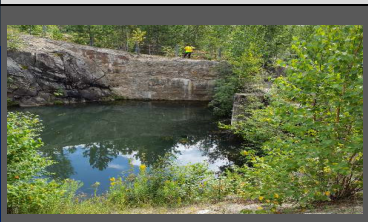
Photograph A: Ariel view of crossing location

Photograph B: Looking north at crossing



Photograph C: Looking northeast at crossing

Photograph D: Looking east at crossing



Photograph E: Dam outlet

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** **WC-3495**

Waterbody Name:			Unnamed
Waterbody Type:			Watercourse
Date surveyed:			2022-07-15
Alt. Route Segment:			2A
Coordinates of Crossing:	Lat:	48.74880 Long:	-91.59517
Weather Conditions			
Air Temp (°C):			28
Cloud Cover (%):			0
Precipitation Amount/Type:			None
Wind Direction:			Southeast
Wind Rate:			Low
Reach Data			
Habitat Type:			Run(DS)/Impoundment(DS)/Flat(DS)
Length Assessed (m):			201
Visual Permanency:			Permanent
Pattern :			Straight
Confinement:			Occasionally Confined
Form:			Neutral
Stage:			Moderate
Riparian Vegetation LDB:			Shrubs/Grass
Riparian Vegetation RDB:			Shrubs/Grass/Mixed Forest
Channel Morphology Data at Crossing			
Wetted Depth (m):			0.78
Wetted Width (m):			20.67
Bank Height (m):			0.14
Bankfull Width (m):			11.83
Maximum Depth (m):			1.4
Substrate at Crossing			
LDB:			Silt/Organics/Fine Sand
Bed:			Organics/Silt
RDB:			Organics/Silt
Water Quality			
Water Colour:			Clear
Temperature (°C):			18.46
Conductivity (µS/cm):			291.02
pH:			7.76
Turbidity (NTU):			2.52
DO (mg/L):			6.62
Fish Habitat Data			
In-water Cover Features:			Aquatic Vegetation/Depth
Sensitive Features:			Nil
Existing Infrastructure:			Culvert
Fish Impediments/Barriers:			Perched Culvert

General Description:
Small permanent watercourse crossing the roadway, with poorly defined bed and banks, and moderately stable channel conditions.

Fish Species Captured

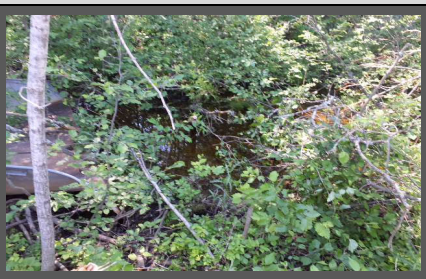
Method: Electrofishing, Minnow Trap

Fish Species Captured: Central Mudminnow, Black Bullhead

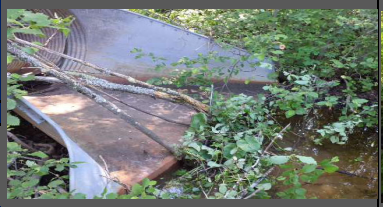
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Low	Low	Low	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Medium	Medium
Other	Low	Medium	High	Low

Photograph A: Channel at crossing right-of-way



Photograph B: Upstream culvert

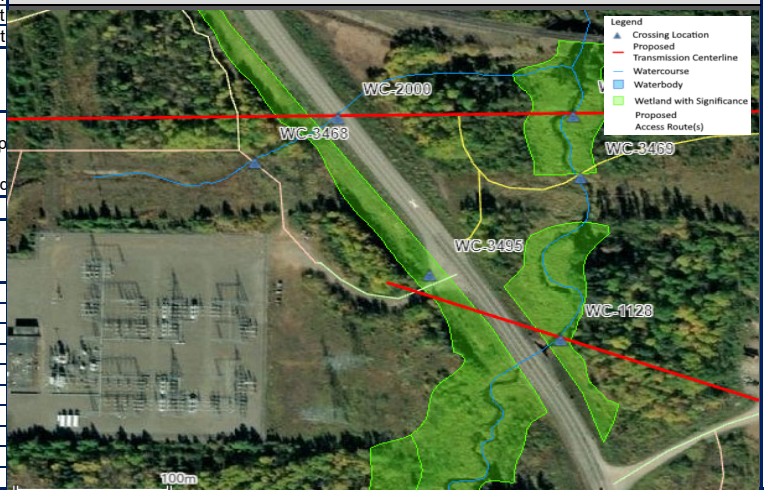


Photograph C: Downstream culvert

Photograph D: Left downstream bank at crossing r

Photograph E: Right down bank at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3907**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-07
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.81770 Long:	-92.76870
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	150
Visual Permanency :	Non-Permanent
Pattern :	Irregular
Confinement:	N/A
Form:	N/A
Stage:	Pooled
Riparian Vegetation LDB:	Bare/Grasses/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	0.8
Bank Height (m):	1.25
Bankfull Width (m):	0.8
Maximum Depth (m):	0.2
Substrate	
LDB:	Clay/Organics/Sand
Bed:	Clay/Organics/Sand
RDB:	Clay/Organics/Sand
Water Quality	
Water Colour:	Tea
Temperature (°C):	22.67
Conductivity (µS/cm):	16.42
pH:	2.1
Turbidity (NTU):	23.14
DO (mg/L):	4.54
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel at the crossing. Water is pooling in tire ruts at the roadway, due to trickle flow from the adjacent beaver impoundments.

Fish Species Captured
Method: N/A
Fish Species Captured:
N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Near crossing location looking upstream

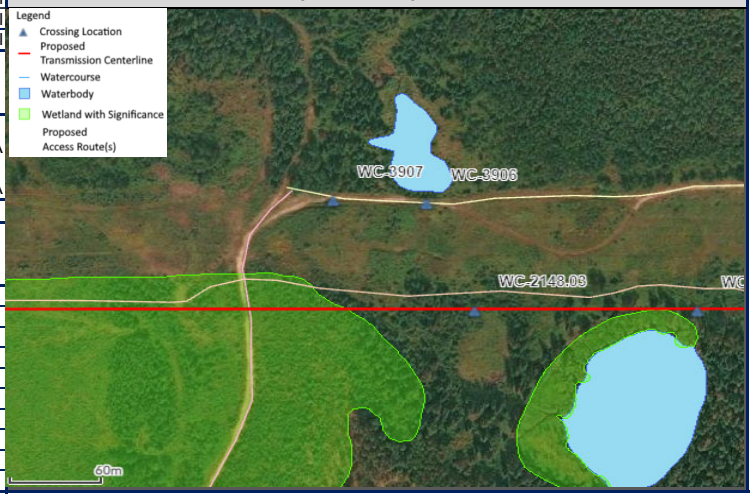
Photograph B: Trickle flow draining into hydro corridor.

Photograph C: Dry channel near crossing.

Photograph D: Near crossing location.

Photograph E: Small channel formed by water caused by tire ruts.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3906**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-08-07
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.81765 Long:	-92.76831
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	Impoundment
Length Assessed (m):	50
Visual Permanency :	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Moderate
Stage:	Pooled
Riparian Vegetation SD1:	Bare/Grasses/Shrubs
Riparian Vegetation SD2:	Mixed Forest/Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	30
Bank Height (m):	1.25
Bankfull Width (m):	30
Maximum Depth (m):	>2
Substrate	
SD1:	Fines
Bed:	Clay/Organics/Fine Sand
SD2:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	22.67
Conductivity (µS/cm):	16.42
pH:	2.1
Turbidity (NTU):	23.14
DO (mg/L):	4.54
Fish Habitat Data	
In-water Cover Features:	Depth/Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Crossing is located on a beaver dam impoundment, with trickle flow seeping through the dams into historical channels.

Fish Species Captured

Method: Minnow Trap

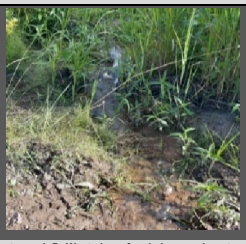
Fish Species Captured: Finescale Dace

Fish Habitat Potential Summary

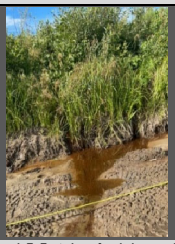
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	High
Perch	Low	Low	Low	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	High
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial view near crossing location.

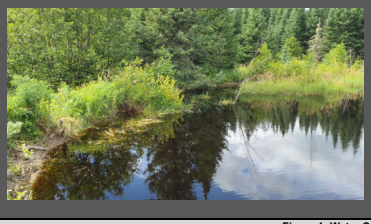
Photograph B: Near crossing location: view looking downstream.



Photograph C: Near crossing location: view looking upstream.

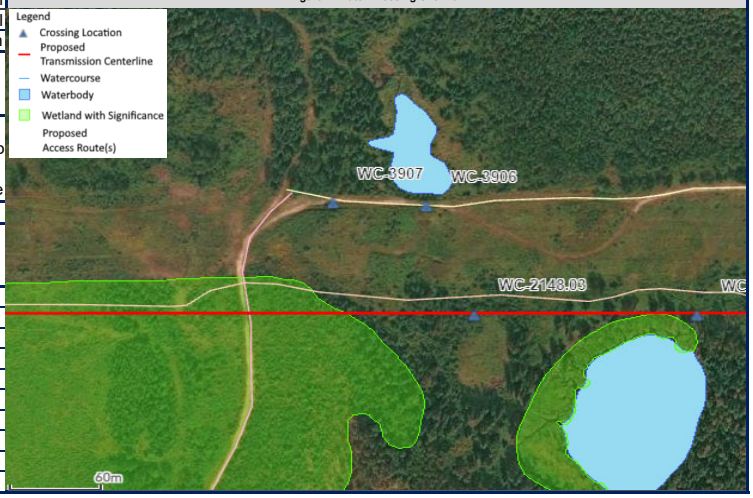


Photograph D: West view of main impoundment.



Photograph E :East view of main impoundment.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3898**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-02
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.81549 Long:	-92.74181
Weather Conditions	
Air Temp (°C):	26
Cloud Cover:	25-50
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Moderate
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

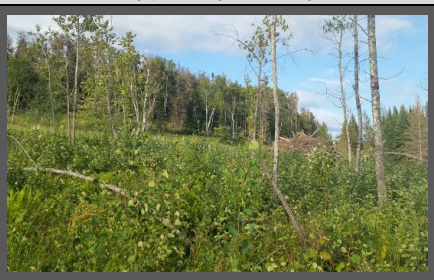
General Description:
No watercourse or waterbody. Hydro right-of-way exists to the south, directly adjacent. Area has been already cleared to create an access road.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

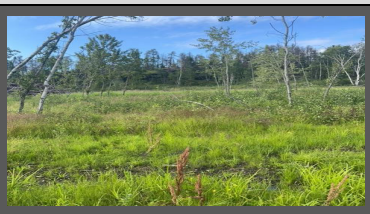
Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Looking north at crossing



Photograph B: Looking north at crossing

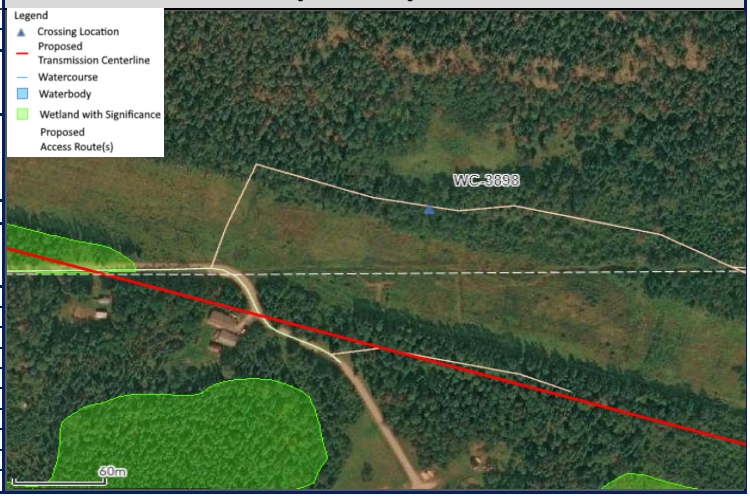


Photograph C: Looking south at crossing

Photograph D: Looking west at crossing

Photograph E: Looking east at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission — **Watercrossing:** **WC-3862**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-01
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.65881 Long:	-92.43684
Weather Conditions	
Air Temp (°C):	23
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:

Crossing already exists within disturbed right-of-way. Cattail marsh present directly south of crossing but no standing water or aquatic habitat present.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

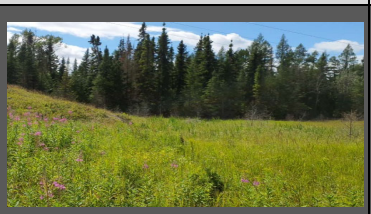
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Western view of crossing

Photograph B: Northern view of site

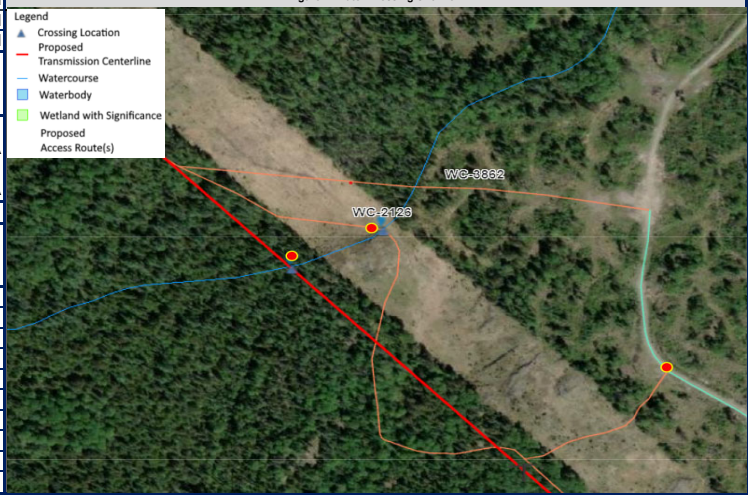
Photograph C: At crossing overview of site

Photograph D: At crossing overview of site



Photograph E: Eastern view of site

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3854**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-28
Alt. Route Segment:	3A / 3C
Coordinates of Crossing: Lat: 49.59141 Long:	-92.277477
Weather Conditions	
Air Temp (°C):	N/A
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	Run/Riffle/Flat(DS)
Length Assessed (m):	210
Visual Permanency :	Permanent
Pattern :	Truncated Meander
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Grasses
Riparian Vegetation RDB:	Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.2
Wetted Width (m):	6.3
Bank Height (m):	0.55
Bankfull Width (m):	7.1
Maximum Depth (m):	1.3
Substrate	
LDB:	Gravel/Sand
Bed:	Gravel/Sand
RDB:	Gravel/Sand
Water Quality	
Water Colour:	Tea
Temperature (°C):	5.82
Conductivity (µS/cm):	45.45
pH:	5.76
Turbidity (NTU):	7.8
DO (mg/L):	10.53
Fish Habitat Data	
In-water Cover Features:	Depth/Vegetation/Substrate/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Small Culverts

General Description:
The crossing is a flat channel through grassland, before passing through three metal culverts located under a gravel road.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

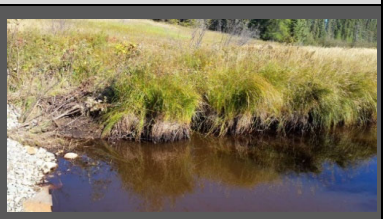
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Low
Perch	Medium	Medium	Medium	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Low
Trout/Whitefish	Low	Low	Low	Low
Walleye	Low	Low	Low	Low
Forage Species	High	High	High	Medium
Other	Low	Low	Low	Low

Photograph A: Overview of substrate near crossing.

Photograph B: At crossing looking upstream

Photograph C: At crossing looking downstream

Photograph D: Right down bank at crossing



Photograph E: Left down bank at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3845**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-05
Alt. Route Segment:	3A / 3C
Coordinates of Crossing: Lat: 49.56846 Long:	-92.21595
Weather Conditions	
Air Temp (°C):	24
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Light Rain
Wind Direction:	South
Wind Rate:	High
Reach Data	
Habitat Types:	Run/Riffle(DS)/Impoundment(DS)
Length Assessed (m):	180
Visual Permanency :	Permanent
Pattern :	Irregular Meander
Confinement:	Unconfined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Shrubs/Coniferous Forest/Grasses
Riparian Vegetation RDB:	Shrubs/Coniferous Forest/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.25
Wetted Width (m):	1
Bank Height (m):	0.13
Bankfull Width (m):	1.1
Maximum Depth (m):	0.4
Substrate	
LDB:	Fines
Bed:	Organics/Sand
RDB:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.9
Conductivity (µS/cm):	29.22
pH:	5.09
Turbidity (NTU):	0.04
DO (mg/L):	3.17
Fish Habitat Data	
In-water Cover Features:	Depth/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Small stream southwest of the hydro right-of-way. Well-defined channel flows into a mixed forest and meanders until a beaver dam.

Fish Species Captured

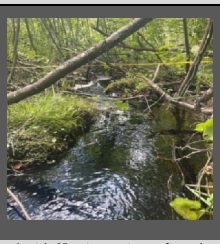
Method:	Minnow Trap
Fish Species Captured:	Brook Stickleback

Fish Habitat Potential Summary

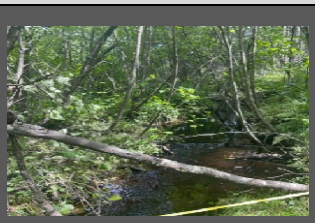
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Low	Low	Low	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Low	High
Other	Nil	Nil	Nil	Nil

Photograph A: View of upstream crossing location.

Photograph B: Near crossing location; view looking downstream.



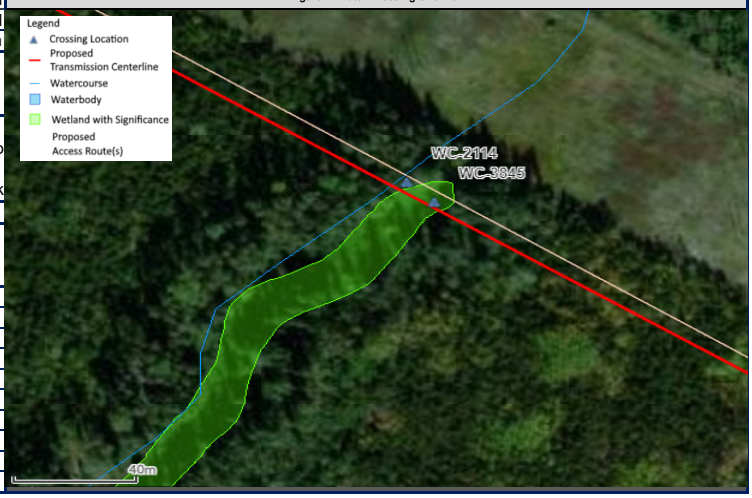
Photograph C: Near crossing location: view looking upstream.



Photograph D: Approximately 25 meters upstream of crossing; view looking downstream.

Photograph E: Approximately 50 meters downstream of crossing; view looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-3837

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-25
Alt. Route Segment:	3A / 3C
Coordinates of Crossing: Lat: 49.52327 Long:	-92.10430
Weather Conditions	
Air Temp (°C):	12
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Moderate
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Coniferous Forest
Riparian Vegetation RDB:	Muskeg/Coniferous Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Spruce swamp with some pooled water. No flowing water or defined channel within 50 meters.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate and ground cover at the crossing

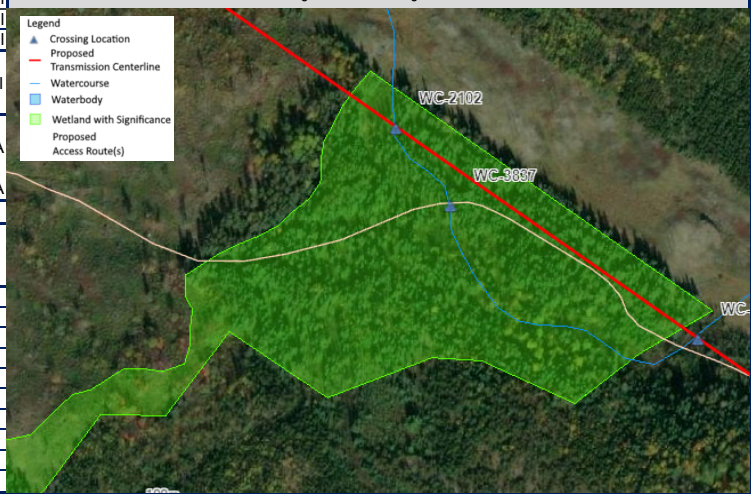
Photograph B: Right-of-way at crossing facing north

Photograph C: Right-of-Way at crossing facing south

Photograph D: Right-of-Way at crossing facing west

Photograph E: Right-of-Way at crossing facing east

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3836**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-21
Alt. Route Segment:	3A / 3C
Coordinates of Crossing:	Lat: 49.52259 Long: -92.11587
Weather Conditions	
Air Temp (°C):	8
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Flat(DS)/Pool(DS)/No Defined Channe
Length Assessed (m):	227
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	Unconfined
Form:	Open
Stage:	Low
Riparian Vegetation LDB:	Muskeg
Riparian Vegetation RDB:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.08
Wetted Width (m):	N/A
Bank Height (m):	0.3
Bankfull Width (m):	N/A
Maximum Depth (m):	0.24
Substrate	
LDB:	Fines
Bed:	Sand/Organics/Silt
RDB:	Fines
Water Quality	
Water Colour:	Clear
Temperature (°C):	11
Conductivity (µS/cm):	51.7
pH:	5.17
Turbidity (NTU):	N/A
DO (mg/L):	5.07
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	HDPE Culvert
Fish Impediments/Barriers:	Drop

General Description:
Crossing is within a poorly defined section with some seepage and overland drainage, with the downstream reach becoming more defined.

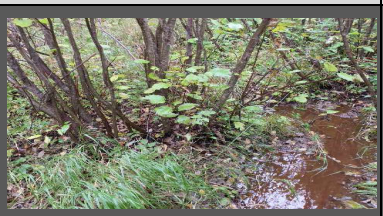
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Right-of-way at crossing facing north.

Photograph B: Left down bank of crossing



Photograph C: Right-of-Way at crossing facing south

Photograph D: Right down bank of crossing

Photograph E: HPDE culvert

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3832**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-07-30
Alt. Route Segment:	3A / 3B / 3C
Coordinates of Crossing: Lat: 49.63868 Long:	-92.43559
Weather Conditions	
Air Temp (°C):	21
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	Pool(DS)/Riffle/Run
Length Assessed (m):	210
Visual Permanency :	Permanent
Pattern :	Winding
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Grasses/Bare/Shrubs
Riparian Vegetation RDB:	Grasses/Bare/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.75
Wetted Width (m):	1
Bank Height (m):	1
Bankfull Width (m):	1.65
Maximum Depth (m):	1
Substrate	
LDB:	Fines
Bed:	Gravel/Sand/Silt/Clay
RDB:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	18.09
Conductivity (µS/cm):	157.02
pH:	7.56
Turbidity (NTU):	1.91
DO (mg/L):	6.9
Fish Habitat Data	
In-water Cover Features:	Vegetation/Woody Debris/Depth
Sensitive Features:	Nil
Existing Infrastructure:	CSP Culvert
Fish Impediments/Barriers:	Nil

General Description:
Well defined channel at crossing which crosses under Turgeon road through a culvert. Upstream is undefined while the downstream is defined.

Fish Species Captured
Method: Electrofishing
Fish Species Captured: Northern Redbelly & Finescale Dace, Lake Chub Fathead Minnow, Blacknose Shiner, Least & Iowa Darter, Brook Stickleback

Fish Habitat Potential Summary

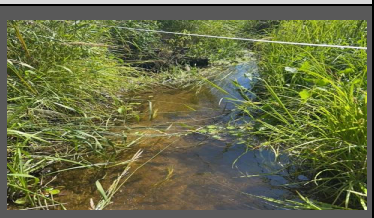
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Medium	High
Perch	Low	Low	Low	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Low	High
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Medium	High
Other	Nil	Nil	Nil	Nil

Photograph A:Large pond downstream of crossing

Photograph B: Immediately south of crossing location; view looking downstream.

Photograph C: CSP culvert

Photograph D: Approximately 25 m upstream of crossing; view looking downstream.



Photograph E: Approximately 50 m downstream of crossing; view looking upstream.

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3831**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-07-30
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.60382 Long:	-92.45085
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Deciduous Forest/Grasses
Riparian Vegetation RDB:	Deciduous Forest/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
The crossing is located along a potential dry historical channel Indiginous monitor noted a beaver dam is present upstream which blocks flow.

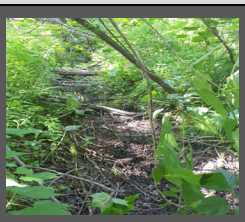
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

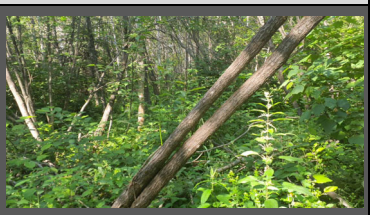
Photograph A: Upstream/North of the location.

Photograph B: North view of dry channel



Photograph C:South view of dry channel

Photograph D: Western view of habitat



Photograph E: East view of habitat

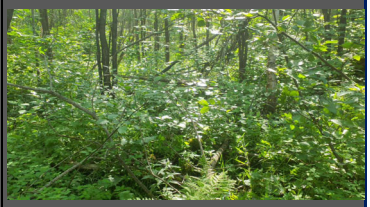


Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey — **Watercrossing:** **WC-3830**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-27
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.57584 Long:	-92.46552
Weather Conditions	
Air Temp (°C):	5
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Cascade/Flat/Pool/Run/Subsurface Flow
Length Assessed (m):	70
Visual Permanency :	Non-Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Shrubs
Riparian Vegetation RDB:	Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.14
Wetted Width (m):	0.85
Bank Height (m):	0.25
Bankfull Width (m):	1.56
Maximum Depth (m):	0.42
Substrate	
LDB:	Fines
Bed:	Gravel/Silt/Cobble/Sand/Clay/Organics
RDB:	Fines
Water Quality	
Water Colour:	Clear
Temperature (°C):	7.85
Conductivity (µS/cm):	225.73
pH:	6.63
Turbidity (NTU):	1.1
DO (mg/L):	8.44
Fish Habitat Data	
In-water Cover Features:	Undercut Banks/Substrate/Woody Debris/Depth
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Perched Culvert

General Description:
Crossing is located at a poor quality flat with poorly defined banks.
Watercourse flows under road through a culvert before channelizing further.

Fish Species Captured
Method: Electrofishing
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate crossing location.

Photograph B: North view of dry channel

Photograph C:South view of dry channel

Photograph D: Cascade habitat located downstream of crossing

Photograph E: Culvert located downstream of crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3829**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-25
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.57274 Long:	-92.47073
Weather Conditions	
Air Temp (°C):	8
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	High
Reach Data	
Habitat Types:	Run
Length Assessed (m):	200
Visual Permanency :	Non-Permanent
Pattern :	Irregular Meander
Confinement:	Frequently Confined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Shrubs/Mixed Forest
Riparian Vegetation RDB:	Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.11
Wetted Width (m):	0.55
Bank Height (m):	0.2
Bankfull Width (m):	1.1
Maximum Depth (m):	0.19
Substrate	
LDB:	Silt/Organics
Bed:	Silt/Organics
RDB:	Silt/Organics
Water Quality	
Water Colour:	Clear
Temperature (°C):	9.09
Conductivity (µS/cm):	98.58
pH:	6.35
Turbidity (NTU):	2.19
DO (mg/L):	6.81
Fish Habitat Data	
In-water Cover Features:	Woody Debris/Vegetation/Substrate
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Debris Pile

General Description:
Low quality run and flat habitat at the watercourse crossing. Poorly defined but vegetated banks present.

Fish Species Captured

Method: Electrofishing

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View of the downstream run habitat

Photograph B: Upstream view of the crossing

Photograph C: Downstream view of the crossing

Photograph D: Left downstream bank of the crossing

Photograph E: Right downstream bank of the crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3828**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-23
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.56530 Long:	-92.47841
Weather Conditions	
Air Temp (°C):	12
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs
Riparian Vegetation RDB:	Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	11.36
Conductivity (µS/cm):	64
pH:	4.91
Turbidity (NTU):	3.33
DO (mg/L):	0.58
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Culvert
Fish Impediments/Barriers:	Nil

General Description:
Flooded area with no defined channel. Pooled area downstream. Culvert plugged at Snake Bay Road, outflow observed on other side of road.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Right-of-way location facing east

Photograph B: Right-of-way location facing north

Photograph C: Right-of-way location facing south

Photograph D: Right-of-way location facing west

Photograph E: Substrate at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3809**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-12
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.35806 Long:	-92.47398
Weather Conditions	
Air Temp (°C):	28
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	N/A
Riparian Vegetation RDB:	N/A
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No watercourse or waterbody present at the crossing. The site is located in small valley in a forested area.

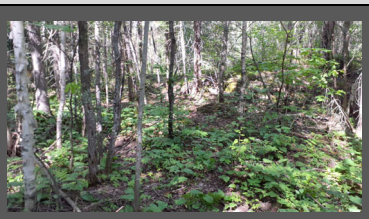
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: East at crossing



Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3808**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-10
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.33547 Long:	-92.45454
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	Dry
Riparian Vegetation LDB:	Mixed Forest
Riparian Vegetation RDB:	Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No channel found at the crossings location, or witin 50 meters in each direction.

Fish Species Captured

Method: N/A

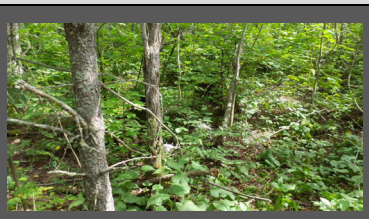
Fish Species Captured: N/A

Fish Habitat Potential Summary

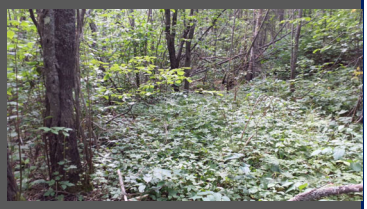
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

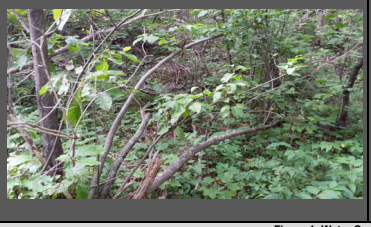
Photograph B: East at crossing.



Photograph C: South at crossing



Photograph D: West at crossing



Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3807**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-12
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.31690 Long:	-92.44983
Weather Conditions	
Air Temp (°C):	20
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	Southwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs/Grasses
Riparian Vegetation RDB:	Muskeg/Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Wetland area with heavy alder growth, no defined channel located.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate and vegetation at the crossing location.

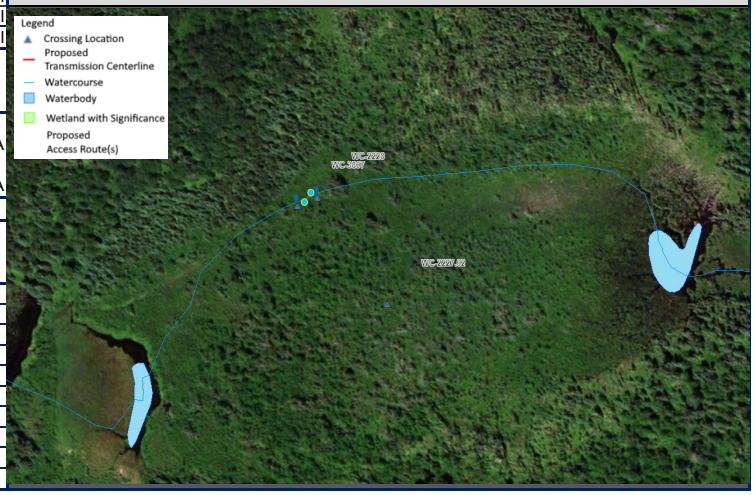
Photograph B: North at crossing.

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3806**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-23
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.31328 Long:	-92.44470
Weather Conditions	
Air Temp (°C):	8
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	East
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Run(DS)
Length Assessed (m):	140
Visual Permanency :	Permanent
Pattern :	Regular Meander
Confinement:	Occasionally Confined
Form:	Incised
Stage:	Moderate
Riparian Vegetation LDB:	Coniferous Forest
Riparian Vegetation RDB:	Coniferous Forest/Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.28
Wetted Width (m):	0.5
Bank Height (m):	0.14
Bankfull Width (m):	0.6
Maximum Depth (m):	0.35
Substrate	
LDB:	Fines
Bed:	Organics/Silt
RDB:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	8.79
Conductivity (µS/cm):	45.23
pH:	5.29
Turbidity (NTU):	1.47
DO (mg/L):	7.09
Fish Habitat Data	
In-water Cover Features: Woody Debris/Substrate/Vegetation/Undercut Bank	
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Run habitat through cedar swamp. Flooded with small pockets of water on either side. Areas with poorly defined banks.

Fish Species Captured
Method: Electrofishing
Fish Species Captured: Finescale Dace

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Low	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Low	Low	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Medium	Low
Other	Nil	Nil	Nil	Nil

Photograph A: Run looking downstream

Photograph B: Substrate of run

Photograph C: Run right down bank

Photograph D: Run left down bank

Photograph E: 35 meters upstream run looking upstream

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3788**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-23
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.17458 Long:	-92.30387
Weather Conditions	
Air Temp (°C):	8
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	Impoundment
Length Assessed (m):	50
Visual Permanency :	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Low
Stage:	Low
Riparian Vegetation SD1:	Muskeg
Riparian Vegetation SD2:	Muskeg
Channel Morphology Data at Crossing	
Wetted Depth (m):	>1
Wetted Width (m):	110
Bank Height (m):	N/A
Bankfull Width (m):	110
Maximum Depth (m):	>1.5
Substrate	
SD1:	Fines
Bed:	Organics/Clay/Silt
SD2:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	9.77
Conductivity (µS/cm):	14.21
pH:	5.06
Turbidity (NTU):	3.72
DO (mg/L):	3.02
Fish Habitat Data	
In-water Cover Features:	Substrate/Depth/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Bog with shallow standing water flooded through muskeg. Beaver dam upstream creating a small impoundment in wetland.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Medium
Other	Nil	Nil	Nil	Nil

Photograph A: Aerial photo of crossing location

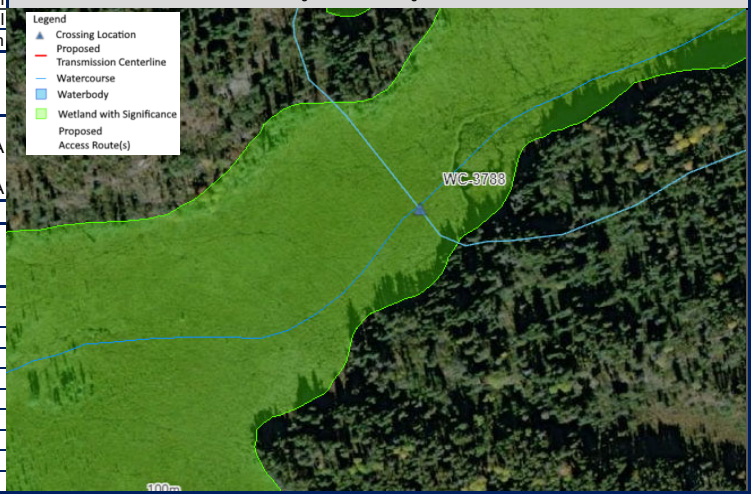
Photograph B: North at crossing

Photograph C: East at crossing

Photograph D: South at crossing

Photograph E: West at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3787**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-13
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.16650 Long:	-92.32257
Weather Conditions	
Air Temp (°C):	12
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Shrubs/Coniferous Forest/Grasses/Bare
Riparian Vegetation RDB:	Shrubs/Mixed Forest/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	10.88
Conductivity (µS/cm):	21.88
pH:	4.75
Turbidity (NTU):	2.4
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	CSP Culvert
Fish Impediments/Barriers:	Perched Culvert

General Description:
No defined channel or flow. There is some wet areas upslope and a few stagnnant pools downslope.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: South side culvert opening.

Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3786**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-09-13
Alt. Route Segment:	3B
Coordinates of Crossing: Lat: 49.16558 Long:	-92.30512
Weather Conditions	
Air Temp (°C):	12
Cloud Cover (%):	75-100
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Bare/Shrubs/Mixed Forest
Riparian Vegetation RDB:	Bare/Shrubs/Mixed Forest
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
Crossing is located on Bull Moose road. No defined channel or water present on either side of the road. Survey area is dominated by bedrock.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: View in vicinity of the crossing

Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3782**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-24
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.48656 Long:	-92.02691
Weather Conditions	
Air Temp (°C):	26
Cloud Cover(%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Coniferous Forest/Shrubs
Riparian Vegetation RDB:	Coniferous Forest/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water or channel at crossing site. Access is on Weaver Road off of Doreen Street. No water or channel upslope or downslope of crossing.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Ground cover

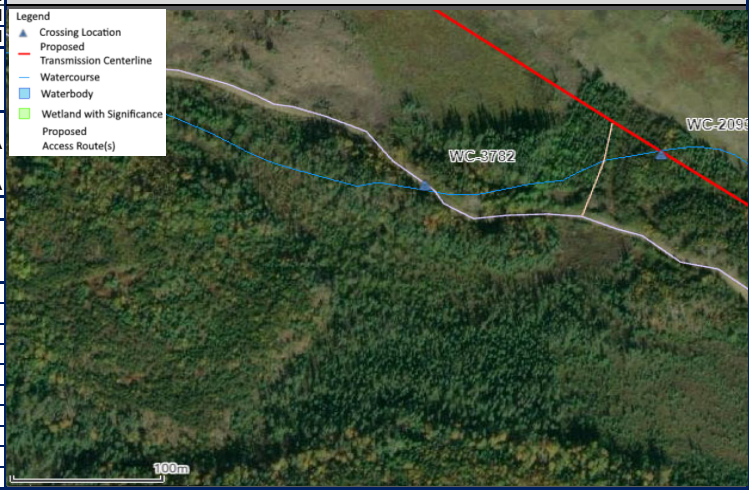
Photograph B: North at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: East at crossing

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3779**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-23
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.47739 Long:	-91.98681
Weather Conditions	
Air Temp (°C):	26
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	Flat/Pool/Riffle
Length Assessed (m):	321
Visual Permanency :	Permanent
Pattern :	Regular Meander
Confinement:	Unconfined
Form:	Neutral
Stage:	Moderate
Riparian Vegetation LDB:	Grasses/Shrubs
Riparian Vegetation RDB:	Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.51
Wetted Width (m):	18.86
Bank Height (m):	0.1
Bankfull Width (m):	19.86
Maximum Depth (m):	>2
Substrate	
LDB:	Organics/Silt/Gravel/Cobble
Bed:	Organics/Silt/Gravel/Cobble
RDB:	Organics/Silt/Gravel/Cobble
Water Quality	
Water Colour:	Tea
Temperature (°C):	17.42
Conductivity (µS/cm):	24.82
pH:	6.46
Turbidity (NTU):	7.92
DO (mg/L):	8.62
Fish Habitat Data	
In-water Cover Features:	Depth/Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Debris Pile/Drop

General Description:
Medium-sized unnamed watercourse that intersects fen/bog terrain.

Fish Species Captured

Method: Minnow Trap

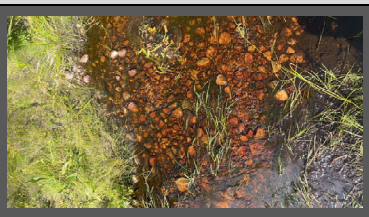
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Medium	Medium	Low	Medium
Perch	Medium	Medium	Low	Medium
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Low
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	High	High	Low	High
Other	Nil	Nil	Nil	Nil

Photograph A: Upstream at crossing

Photograph B: Substrate at crossing

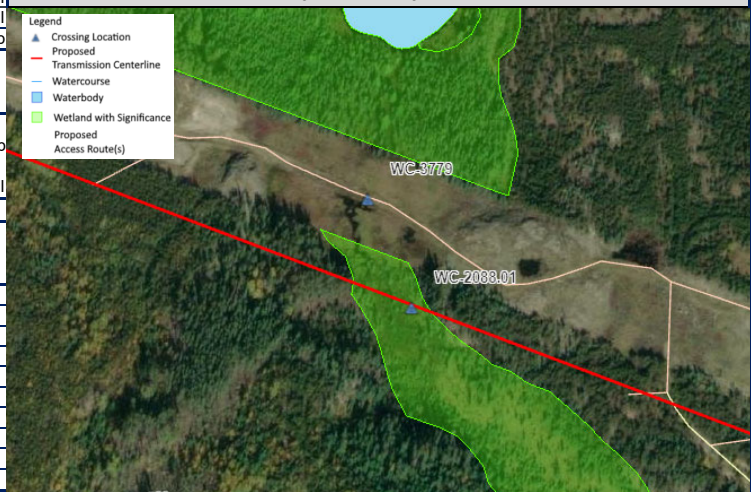


Photograph C: Downstream at crossing

Photograph D: Approximately. 50 meters upstream of crossing; view looking downstream.

Photograph E: Approximately. 80 meters downstream of crossing; view looking upstream.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** WC-3777

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-23
Alt. Route Segment:	3A
Coordinates of Crossing:	Lat: .474265 Long: -91.97592
Weather Conditions	
Air Temp (°C):	27
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	Northwest
Wind Rate:	Low
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Nil
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Mixed Forest/Bare/Shrubs
Riparian Vegetation RDB:	Mixed Forest/Bare/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	N/A
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	N/A
Temperature (°C):	N/A
Conductivity (µS/cm):	N/A
pH:	N/A
Turbidity (NTU):	N/A
DO (mg/L):	N/A
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No water or channel. Crossing is located on an overgrown trail directly south of right-of-way. Predominantly coniferous forest with rolling bedrock hills.

Fish Species Captured

Method: N/A

Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: North at crossing

Photograph B: East at crossing

Photograph C: South at crossing

Photograph D: West at crossing

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3769**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-07-31
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.45428 Long:	-91.87845
Weather Conditions	
Air Temp (°C):	20
Cloud Cover:	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	South
Wind Rate:	Low
Reach Data	
Habitat Types:	Pond
Length Assessed (m):	100
Visual Permanency :	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Moderate
Stage:	Moderate
Riparian Vegetation SD1:	Bare/Grasses/Shrubs
Riparian Vegetation SD2:	Shrubs/Bare/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	7
Bank Height (m):	2.85
Bankfull Width (m):	8
Maximum Depth (m):	>2
Substrate	
SD1:	Bedrock/Sand/Clay
Bed:	Bedrock/Sand/Clay
SD2:	Bedrock/Sand/Clay
Water Quality	
Water Colour:	Tea
Temperature (°C):	20.98
Conductivity (µS/cm):	20.4
pH:	6.98
Turbidity (NTU):	1.67
DO (mg/L):	8.09
Fish Habitat Data	
In-water Cover Features:	Depth/Turbulence/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
A small isolated pond located adjacent to Raliegh Cutoff Road, and confined by bedrock and the roadway.

Fish Species Captured

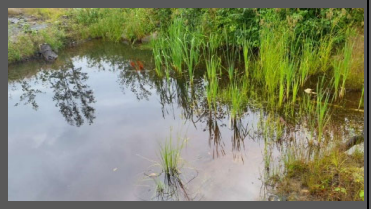
Method:	Minnow Trap
Fish Species Captured:	Nil

Fish Habitat Potential Summary

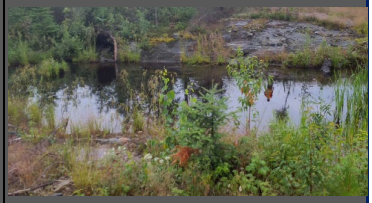
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Nil	High
Other	Nil	Nil	Nil	Nil

Photograph A: East at Crossing

Photograph B: West at crossing



Photograph C: Southern view of pond



Photograph D: Small pond west of sample site.

Photograph E: N/A

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3765**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-18
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.42841 Long:	-91.87139
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	Impoundment
Length Assessed (m):	100
Visual Permanency :	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Steep
Stage:	High
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Grasses/Bare
Riparian Vegetation RDB:	Grasses/Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	21
Bank Height (m):	2.5
Bankfull Width (m):	21.5
Maximum Depth (m):	>2
Substrate	
SD1:	Fines
Bed:	Organics/Gravel/Sand/Clay/Silt
SD2:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.64
Conductivity (µS/cm):	26.1
pH:	5.79
Turbidity (NTU):	7.81
DO (mg/L):	3.92
Fish Habitat Data	
In-water Cover Features:	Depth/Woody Debris/Vegetation/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Small permanent waterbody with well vegetated banks and some evidence of erosion, such as slumping and undercut banks.

Fish Species Captured

Method: Minnow Trap

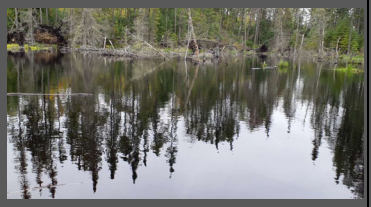
Fish Species Captured: Nil

Fish Habitat Potential Summary

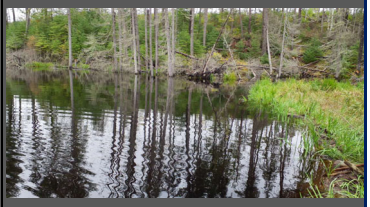
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	High
Perch	Low	Low	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Nil	High
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Low	High
Other	Low	Low	Low	High

Photograph A: Impoundment downstream of dam and impoundment

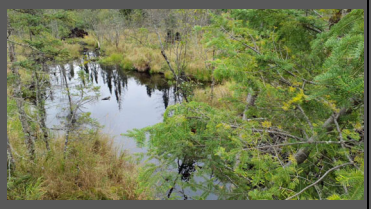
Photograph B: Northern view of pond



Photograph C: Eastern view of pond



Photograph D: Southern view of pond.



Photograph E: Beaver dam

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3764**

Waterbody Name:	Unnamed
Waterbody Type:	Lake/Pond
Date surveyed:	2022-09-18
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.42840 Long:	-91.87188
Weather Conditions	
Air Temp (°C):	16
Cloud Cover (%):	50-75
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	Impoundment
Length Assessed (m):	100
Visual Permanency :	Permanent
Pattern :	Irregular
Confinement:	N/A
Slope:	Steep
Stage:	High
Riparian Vegetation LDB:	Mixed Forest/Shrubs/Grasses/Bare
Riparian Vegetation RDB:	Grasses/Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	>2
Wetted Width (m):	21
Bank Height (m):	2.5
Bankfull Width (m):	21.5
Maximum Depth (m):	>2
Substrate	
SD1:	Fines
Bed:	Organics/Gravel/Sand/Clay/Silt
SD2:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	14.64
Conductivity (µS/cm):	26.1
pH:	5.79
Turbidity (NTU):	7.81
DO (mg/L):	3.92
Fish Habitat Data	
In-water Cover Features:	Depth/Woody Debris/Vegetation/Undercut Banks
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam

General Description:
Small permanent waterbody with well vegetated banks and some evidence of erosion, such as slumping and undercut banks.

Fish Species Captured

Method: Minnow Trap

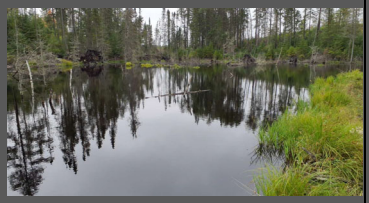
Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Low	Nil	High
Perch	Low	Low	Nil	High
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Low	Low	Nil	High
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	Low	High
Other	Low	Low	Low	High

Photograph A: Flooded braided channels from main impoundment to tertairy impoundments.

Photograph B: Northern view of site

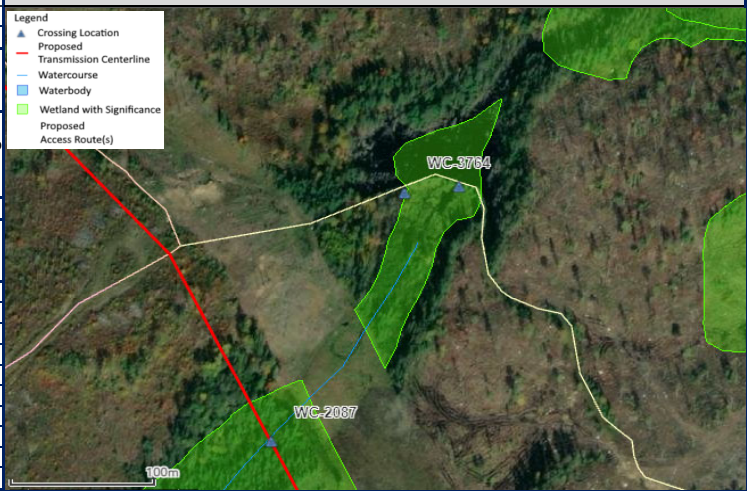


Photograph C: Southern view of pond

Photograph D: Small pond west side of site.

Photograph E: Eastern view of pond

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3762**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-19
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.41783 Long:	-91.87004
Weather Conditions	
Air Temp (°C):	19
Cloud Cover (%):	<25
Precipitation Amount/Type:	None
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	Run
Length Assessed (m):	200
Visual Permanency :	Permanent
Pattern :	Straight
Confinement:	Unconfined
Form:	Neutral
Stage:	Low
Riparian Vegetation LDB:	Mixed Forest/Bare/Shrubs
Riparian Vegetation RDB:	Coniferous Forest/Bare/Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.26
Wetted Width (m):	1.15
Bank Height (m):	0.29
Bankfull Width (m):	1.7
Maximum Depth (m):	0.51
Substrate	
LDB:	Fines
Bed:	Organics/Silt/Clay
RDB:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	11.26
Conductivity (µS/cm):	25.36
pH:	4.6
Turbidity (NTU):	1.22
DO (mg/L):	8.34
Fish Habitat Data	
In-water Cover Features:	Undercut Banks/Woody Debris/Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Debris Pile/Subsurface Flow

General Description:
Small permanent watercourse with well vegetated banks and some evidence of erosion and undercut banks.

Fish Species Captured

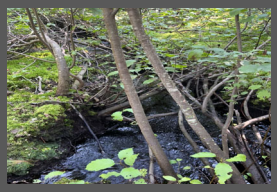
Method:	Electrofishing
Fish Species Captured:	Nil

Fish Habitat Potential Summary

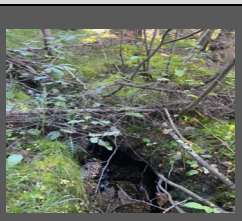
Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	NIl	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Medium	Medium	High	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Overview picture of site

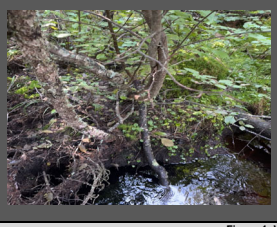
Photograph B: Looking upstream at crossing



Photograph C: Looking downstream at crossing



Photograph D: Right down bank through access road at crossing



Photograph E: Left down bank at crossing through access road

Figure 1: Water Crossing Overview

Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3756**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-03
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.36593 Long:	-91.82593
Weather Conditions	
Air Temp (°C):	17
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Muskeg/Shrubs/Grasses
Riparian Vegetation RDB:	Muskeg/Shrubs/Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	20.01
Conductivity (µS/cm):	17.34
pH:	4.68
Turbidity (NTU):	2.34
DO (mg/L):	1.14
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel. Upslope portion of the survey area is an open wetland with a bog mat and downslope portion is a forested swamp.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

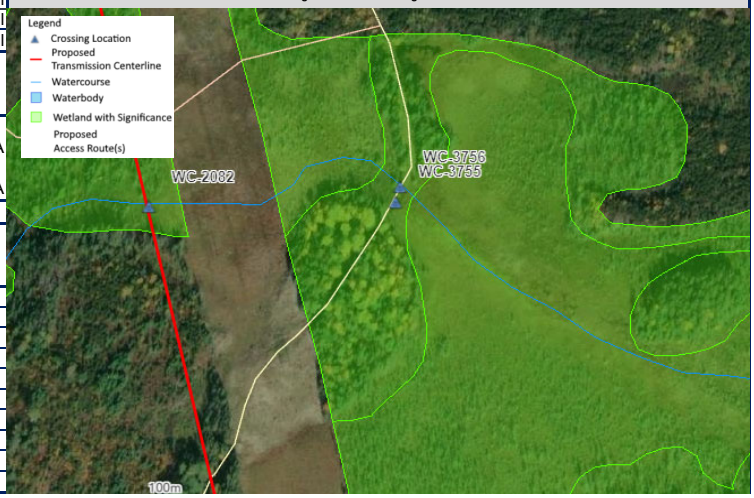
Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: Looking Upstream, 30 meters downstream from crossing

Photograph E: Looking downstream, 25 meters upstream from crossing.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3755**

Waterbody Name:	Unnamed
Waterbody Type:	No Defined Channel
Date surveyed:	2022-08-03
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.36583 Long:	-91.82597
Weather Conditions	
Air Temp (°C):	18
Cloud Cover (%):	75-100
Precipitation Amount/Type:	Moderate Rain
Wind Direction:	No Wind
Wind Rate:	Calm
Reach Data	
Habitat Types:	No Defined Channel
Length Assessed (m):	100
Visual Permanency :	Non-Permanent
Pattern :	N/A
Confinement:	N/A
Form:	N/A
Stage:	N/A
Riparian Vegetation LDB:	Grasses/Shrubs
Riparian Vegetation RDB:	Grasses/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	<0.1
Wetted Width (m):	N/A
Bank Height (m):	N/A
Bankfull Width (m):	N/A
Maximum Depth (m):	N/A
Substrate	
LDB:	N/A
Bed:	N/A
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	20.01
Conductivity (µS/cm):	17.34
pH:	4.68
Turbidity (NTU):	2.34
DO (mg/L):	1.14
Fish Habitat Data	
In-water Cover Features:	Nil
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Nil

General Description:
No defined channel. Upslope portion of the survey area is an open wetland with a bog mat and downslope portion is a forested swamp.

Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

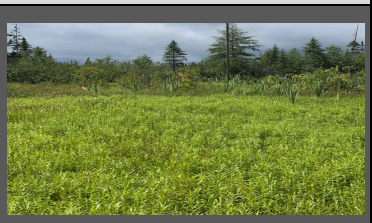
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Nil	Nil	Nil	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Upstream at crossing

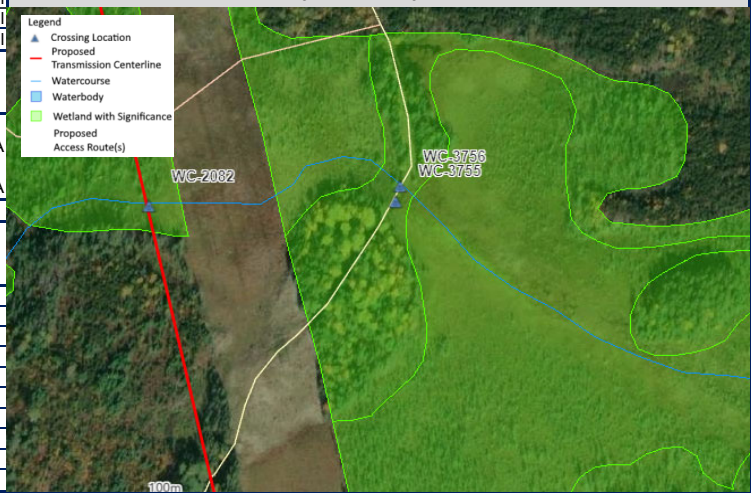
Photograph C: Downstream at crossing

Photograph D: Looking Upstream, 30 meters downstream from crossing



Photograph E: Looking downstream, 25 meters upstream from crossing.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3754**

Waterbody Name:			Unnamed
Waterbody Type:			Watercourse
Date surveyed:			2022-09-27
Alt. Route Segment:			3A
Coordinates of Crossing:	Lat:	49.35925 Long:	-91.82544
Weather Conditions			
Air Temp (°C):			5
Cloud Cover (%):			0
Precipitation Amount/Type:			None
Wind Direction:			North
Wind Rate:			Moderate
Reach Data			
Habitat Types:			Pool/No Defined Channel
Length Assessed (m):			140
Visual Permanency :			Permanent
Pattern :			Braided
Confinement:			Occasionally Confined
Form:			Irregular
Stage:			Moderate
Riparian Vegetation LDB:			Grasses/Muskeg/Shrubs/Coniferous Forest
Riparian Vegetation RDB:			Grasses/Muskeg/Shrubs/Coniferous Forest
Channel Morphology Data at Crossing			
Wetted Depth (m):			0.16
Wetted Width (m):			1.3
Bank Height (m):			0.5
Bankfull Width (m):			3
Maximum Depth (m):			0.34
Substrate			
LDB:			Fines
Bed:			Organics
RDB:			Fines
Water Quality			
Water Colour:			Clear
Temperature (°C):			11.76
Conductivity (µS/cm):			21.86
pH:			5.53
Turbidity (NTU):			0.46
DO (mg/L):			2.21
Fish Habitat Data			
In-water Cover Features:			Overhanging Vegetation/Woody Debris
Sensitive Features:			Nil
Existing Infrastructure:			Nil
Fish Impediments/Barriers:			Beaver Dam/Dense Terrestrial Vegetation

General Description:
Crossing is next to ATV trail. Transitions from undefined/braided flow to a defined channel. Remainder of reach is a wetland with beaver dam.

Fish Species Captured

Method: Minnow Trap

Fish Species Captured: Nil

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Looking upstream, 30 meters upstream

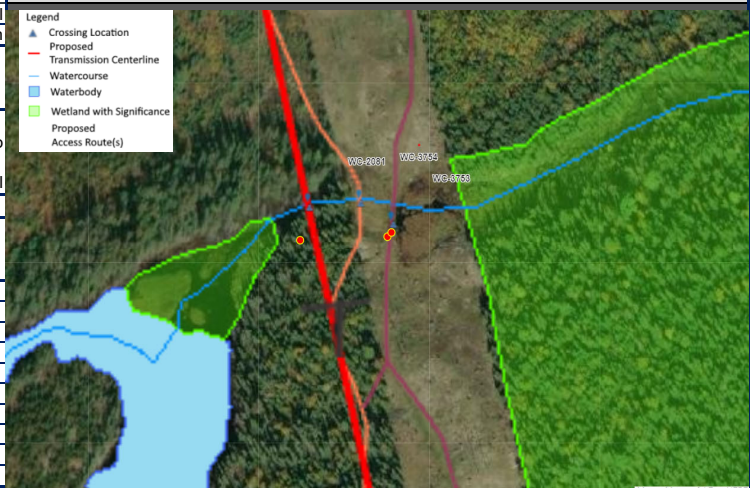
Photograph B: Upstream at crossing

Photograph C: Downstream at crossing

Photograph D: South at crossing

Photograph E: Looking downstream, 40 meters downstream from crossing.

Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3753**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-09-27
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.35927 Long:	-91.82541
Weather Conditions	
Air Temp (°C):	5
Cloud Cover (%):	0
Precipitation Amount/Type:	None
Wind Direction:	North
Wind Rate:	Moderate
Reach Data	
Habitat Types:	Pool/No Defined Channel
Length Assessed (m):	140
Visual Permanency :	Permanent
Pattern :	Braided
Confinement:	Occasionally Confined
Form:	Irregular
Stage:	Moderate
Riparian Vegetation LDB:	Grasses/Muskeg/Shrubs
Riparian Vegetation RDB:	Grasses/Muskeg/Shrubs
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.16
Wetted Width (m):	1.3
Bank Height (m):	0.5
Bankfull Width (m):	3
Maximum Depth (m):	0.34
Substrate	
LDB:	N/A
Bed:	Organics
RDB:	N/A
Water Quality	
Water Colour:	Clear
Temperature (°C):	11.76
Conductivity (µS/cm):	21.86
pH:	5.53
Turbidity (NTU):	0.46
DO (mg/L):	2.21
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation/Woody Debris
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Beaver Dam/Dense Terrestrial Vegetation

General Description:
Crossing is located 20 m from WC-3754, and composed of primarily undefined marsh wetland, a beaver dam, and undefined channel upstream.

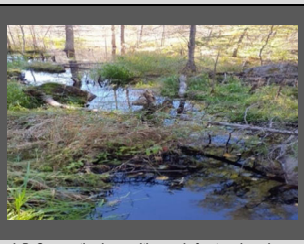
Fish Species Captured
Method: N/A
Fish Species Captured: N/A

Fish Habitat Potential Summary

Fish Groupings	Spawning	Rearing/Nursery/Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Low	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Overview of site, just above of a beaver dam

Photograph B: Reach of pools between bedrock and boulders facing downstream (west)



Photograph C: 50 meters upstream of crossing

Photograph D: Open wetland area with a pool of water, above beaver dam

Photograph E: Second overview picture of crossing

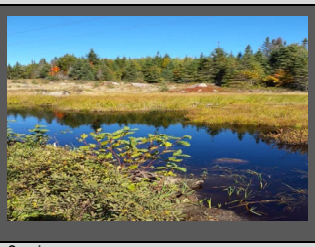
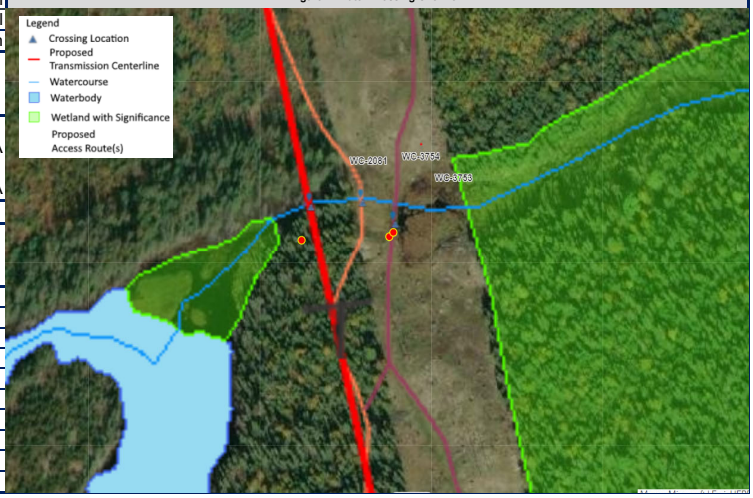


Figure 1: Water Crossing Overview



Waasigan Transmission Line Water Crossing Survey | **Watercrossing:** | **WC-3750**

Waterbody Name:	Unnamed
Waterbody Type:	Watercourse
Date surveyed:	2022-08-01
Alt. Route Segment:	3A
Coordinates of Crossing: Lat: 49.33365 Long:	-91.84130
Weather Conditions	
Air Temp (°C):	22
Cloud Cover (%):	25-50
Precipitation Amount/Type:	None
Wind Direction:	West
Wind Rate:	Low
Reach Data	
Habitat Types:	Run
Length Assessed (m):	83
Visual Permanency :	Non-Permanent
Pattern :	Regular Meander
Confinement:	Frequently Confined
Form:	Incised
Stage:	High
Riparian Vegetation LDB:	Grasses
Riparian Vegetation RDB:	Grasses
Channel Morphology Data at Crossing	
Wetted Depth (m):	0.23
Wetted Width (m):	1.54
Bank Height (m):	0.21
Bankfull Width (m):	2.27
Maximum Depth (m):	0.45
Substrate	
LDB:	Fines
Bed:	Silt/Organics/Sand
RDB:	Fines
Water Quality	
Water Colour:	Tea
Temperature (°C):	25.42
Conductivity (µS/cm):	15.83
pH:	N/A
Turbidity (NTU):	2.66
DO (mg/L):	7.6
Fish Habitat Data	
In-water Cover Features:	Overhanging Vegetation
Sensitive Features:	Nil
Existing Infrastructure:	Nil
Fish Impediments/Barriers:	Thick Aquatic Vegetation/Drop

General Description:
Permanent watercourse with well-defined bed and banks, unconfined and stable channel conditions.

Fish Species Captured

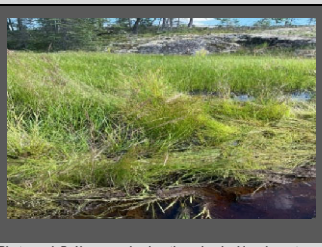
Method:	Electrofishing
Fish Species Captured:	Nil

Fish Habitat Potential Summary

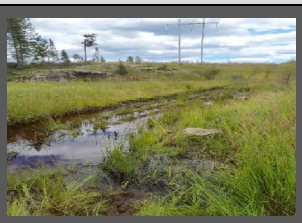
Fish Groupings	Spawning	Rearing/ Nursery/ Foraging	Migration	Overwintering
Burbot	Nil	Nil	Nil	Nil
Eel/Lamprey	Nil	Nil	Nil	Nil
Northern Pike	Nil	Nil	Nil	Nil
Perch	Nil	Nil	Nil	Nil
Sturgeon	Nil	Nil	Nil	Nil
Suckers	Nil	Nil	Nil	Nil
Trout/Whitefish	Nil	Nil	Nil	Nil
Walleye	Nil	Nil	Nil	Nil
Forage Species	Low	Low	Low	Nil
Other	Nil	Nil	Nil	Nil

Photograph A: Substrate at crossing

Photograph B: Looking upstream 18 meters upstream from crossing



Photograph C: Near crossing location; view looking upstream.



Photograph D: Near crossing location; view looking downstream.

Photograph E: 135 meters downstream from crossing; right downstream bank

Figure 1: Water Crossing Overview

ATTACHMENT 6.6-A-3

Fish Species of the RSA

Attachment 6.6A-3, Table 1. Known Fish Species Present within the Hydro One Waasigan Power Line RSA Alternative Routes

Common Name	Scientific Name	Family Name	Documented Occurrence at Alternative Route Water Crossing	Documented Occurrence only in	Documented Occurrence in Lake	Documented Occurrence Within	Conservation Ranking: ESA[1]	Conservation Ranking: SARA[2]	Conservation Ranking: COSEWIC[3]	Conservation Ranking: S Rank[4]	North Lake Superior Shoreline Watershed	Kaministiquia River Watershed : Dog.	Rainy Headwaters Watershed	Rainy Lake, Big Turtle River -	Upper English River	Wabigoon River Watershed
Alewife	*Alosa pseudoharengus*	Clupeidae	-	X	X	X	-	-	-	SNA	X	X	-	-	-	-
Allegheny Pearl Dace [8]	*Margariscus margarita*	Leuciscidae	X[8]	-[8]	-	-	-[8]	-[8]	-[8]	-[8]	-	-	-	-	-	-
American Brook Lamprey	*Lethenteron appendix*	Petromyzontidae	-	X	X	X	-	-	-	S3	X	X	-	-	-	-
American Eel	*Anguilla rostrata*	Anguillidae	X	-	-	X	END	-	THR	S1S2[6]	X	X	-	-	-	-
Atlantic Salmon	*Salmo salar*	Salmonidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Banded Killifish	*Fundulus diaphanus*	Fundulidae	-	-	-	X	-	-	NAR	S5	-	-	-	X	-	-
Black Bullhead	*Ameiurus melas*	Ictaluridae	-	X	X	X	-	-	-	S4	-	-	-	X	-	-
Black Crappie	*Pomoxis nigromaculatus*	Centrarchidae	X	-	-	X	-	-	-	S4	X	X	X	X	-	X
Blackchin Shiner	*Notropis heterodon*	Leuciscidae	-	X	X	X	-	-	NAR	S5	-	-	X	X	X	X
Blackfin Cisco	*Coregonus nigripinnis*	Salmonidae	-	-	-	X	-	-	DD	SU	X	X	-	-	-	-
Blacknose Dace (Western)	*Rhinichthys atratulus*	Leuciscidae	X	X	X	X	-	-	-	S5	X	X	X	X	-	X
Blacknose Shiner	*Notropis heterolepis*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Blackside Darter	*Percina maculata*	Percidae	-	-	-	X	-	-	-	S4	-	X	-	-	-	-
Bloater	*Coregonus hoyi*	Salmonidae	-	X	X	X	-	-	NAR	S4	X	X	-	-	X	-
Bluegill	*Lepomis macrochirus*	Centrarchidae	-	X	X	X	-	-	-	S5	-	-	X	X	-	X
Bluntnose Minnow	*Pimephales notatus*	Leuciscidae	X	-	-	X	-	-	NAR	S5	X	X	X	X	X	X
Bowfin	*Amia calva*	Amiidae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Brassy Minnow	*Hybognathus hankinsoni*	Leuciscidae	X	-	-	X	-	-	-	S5	-	X	-	X	-	X
Brook Silverside	*Labidesthes sicculus*	Atherinopsidae	-	X	X	X	-	-	NAR	S4	-	X	-	-	-	-
Brook Stickleback	*Culaea inconstans*	Gasterosteidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Brook Trout	*Salvelinus fontinalis*	Salmonidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Brown Bullhead	*Ameiurus nebulosus*	Ictaluridae	X	-	-	X	-	-	-	S5	X	X	X	X	-	-
Brown Trout	*Salmo trutta*	Salmonidae	X	-	-	X	-	-	-	SNA	X	X	-	-	-	-
Burbot	*Lota lota*	Gadidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Central Mudminnow	*Umbra limi*	Umbridae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Channel Catfish	*Ictalurus punctatus*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Chinook Salmon	*Oncorhynchus tshawytscha*	Salmonidae	X	-	-	X	-	-	-	SNA	X	X	-	-	-	-
Cisco	*Coregonus artedi*	Salmonidae	X	-	-	X	-	-	-	S5	X[13]	X	X	X	X[13]	X
Coho Salmon	*Oncorhynchus kisutch*	Salmonidae	-	X	X	X	-	-	-	SNA	X	-	-	-	-	-
Common Carp	*Cyprinus carpio*	Cyprinidae	-	X	X	X	-	-	-	SNA	X	X	-	X	-	-
Common Shiner	*Luxilus cornutus*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Creek Chub	*Semotilus atromaculatus*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Deepwater Sculpin - Great Lakes - Western St. Lawrence Populations	*Myoxocephalus thompsonii pop. 2*	Cottidae	X	-	X	X	-	SC	SC	S3?	X	X	X	-	-	X
Emerald Shiner	*Notropis atherinoides*	Leuciscidae	-	X	-	X	-	-	-	S5	X	X	X	X	X	X
European flounder	*Platichthys flesus*	Pleuronectidae	-	-	-	X	-	-	-	SNA	-	X	-	-	-	-
Fathead Minnow	*Pimephales promelas*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Finescale Dace	*Chrosomus neogaeus*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Fourhorn Sculpin	*Myoxocephalus quadricornis*	Cottidae	-	X	X	X	-	-	-	S2?	X	-	-	-	-	X
Fourspine Stickleback	*Apeltes quadracus*	Gasterosteidae	-	X	X	-	-	-	-	SNA	-	X	-	-	-	-
Freshwater Drum	*Aplodinotus grunniens*	Sciaenidae	-	X	X	-	-	-	-	S5	-	-	-	-	-	-
Freshwater Tubenose Goby	*Proterorhinus semilunaris*	Gobiidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Gizzard Shad	*Dorosoma cepedianum*	Clupeidae	-	-	-	X	-	-	-	S4	X	X	-	-	-	-
Green Sunfish	*Lepomis cyanellus*	Centrarchidae	X	-	-	X	-	-	NAR	S4	-	-	X	X	-	-
Golden Shiner	*Notemigonus crysoleucas*	Leuciscidae	-	X	-	X	-	-	-	S5	X	X	X	X	X	X
Goldfish	*Carassius auratus*	Cyprinidae	-	X	X	X	-	-	-	SNA	X	-	-	-	-	-
Greater Redhorse	*Moxostoma valenciennesi*	Catostomidae	-	X	-	-	-	-	-	S3	-	-	-	X	-	-
Hornyhead Chub	*Nocomis biguttatus*	Leuciscidae	-	X	X	-	-	-	NAR	S4	-	-	-	-	-	-
Iowa Darter	*Etheostoma exile*	Percidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Johnny Darter	*Etheostoma nigrum*	Percidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Johnny Darter x Tessellated Darter[11]	*Etheostoma nigrum x E. olmstedi*	Percidae	X[11]	-	-	-	-	-	NAR	S4	-	-	-	-	-	-
Kiyi (Upper Great Lakes)	*Coregonus kiyi kiyi*	Salmonidae	-	X	X	-	SC	SC	SC	S3	-	-	-	-	-	-
Lake Chub	*Couesius plumbeus*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)	*Acipenser fulvescens*	Acipenseridae	-	X	X	X	END	-	THR	S2	X	X	X	X	-	-
Lake Sturgeon (Saskatchewan - Nelson River population)[12]	*Acipenser fulvescens*	Acipenseridae	X	-	-	-	THR	-	END	S2	-	-	-	X	X	X
Lake Trout	*Salvelinus namaycush*	Salmonidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Lake Whitefish	*Coregonus clupeaformis*	Salmonidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Largemouth Bass	*Micropterus salmoides*	Centrarchidae	-	X	-	X	-	-	-	S5	X	X	X	X	-	-
Least Darter	*Etheostoma microperca*	Percidae	-	-	-	X	-		NAR	S4	-	X	-	-	-	X
Logperch	*Percina caprodes*	Percidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Longnose Dace	*Rhinichthys cataractae*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Longnose Sucker	*Catostomus catostomus*	Catostomidae	-	X	X	X	-	-	-	S5	X	X	X	X	-	X
Mimic Shiner	*Notropis volucellus*	Leuciscidae	X	-	-	X	-	-	-	S5	-	X	X	X	X	X
Mooneye	*Hiodon tergisus*	Hiodontidae	-	-	-	X	-	-	-	S4	-	-	X	X	X	-
Mottled Sculpin	*Cottus bairdii*	Cottidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Muskellunge	*Esox masquinongy*	Esocidae	X	-	-	X	-	-	-	S4	-	-	-	X	X	X
Ninespine Stickleback	*Pungitius pungitius*	Gasterosteidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Northern Brook Lamprey	*Ichthyomyzon fossor*	Petromyzontidae	-	X	X	X	SC	SC	SC	S3	X	X	-	-	-	-

Common Name	Scientific Name	Family Name	Documented Occurrence at Alternative Route Water Crossing	Documented Occurrence only in	Documented Occurrence in Lake	Documented Occurrence Within	Conservation Ranking: ESA[1]	Conservation Ranking: SARA[2]	Conservation Ranking: COSEWIC[3]	Conservation Ranking: S Rank[4]	North Lake Superior Shoreline Watershed	Kaministiquia River Watershed ; Dog,	Rainy Headwaters Watershed	Rainy Lake, Big Turtle River -	Upper English River	Wabigoon River Watershed
Northern Pike	*Esox lucius*	Esocidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Northern Redbelly Dace	*Chrosomus eos*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Northern Pearl Dace	*Margariscus nachtriebi*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Northern Sunfish (Nelson River population)	*Lepomis peltastes*	Centrarchidae	-	-	-	X	NAR	-	NAR	S3	-	-	X	X	-	X
Pink Salmon	*Oncorhynchus gorbuscha*	Salmonidae	-	X	X	X	-	-	-	SNA	X	X	-	-	-	-
Pugnose Shiner	*Notropis anogenus*	Leuciscidae	-	X	X	-	THR	THR	THR	S2	-	-	-	-	-	-
Pumpkinseed	*Lepomis gibbosus*	Centrarchidae	X	-	-	X	-	-	-	S5	-	X	X	X	X	X
Pygmy Whitefish	*Prosopium coulterii*	Salmonidae	-	X	X	-	-	-	THR	SU	-	-	-	-	-	-
Quillback	*Carpiodes cyprinus*	Catostomidae	-	X	-	X	-	-	-	S4	X	-	-	-	-	X
Rainbow Smelt	*Osmerus mordax*	Osmeridae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Rainbow Trout	*Oncorhynchus mykiss*	Salmonidae	X	-	-	X	-	-	-	SNA	X	X	X	X	-	X
Redfin Shiner[11]	*Lythrurus umbratilis*	Leuciscidae	-	X	-	-	-	-	NAR	S4	-	-	-	-	-	-
River Darter (Saskatchewan - Nelson River populations)	*Percina shumardi pop. 1*	Percidae	-	X	-	X	NAR	-	NAR	S4	-	-	-	-	X	-
Rock Bass	*Ambloplites rupestris*	Centrarchidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Rosyface Shiner	*Notropis rubellus*	Leuciscidae	-	X	X	-	-	-	NAR	S4	-	-	-	-	-	-
Round Goby	*Neogobius melanostomus*	Gobiidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Round Whitefish	*Prosopium cylindraceum*	Salmonidae	-	X	X	X	-	-	-	S4	X	X	-	X	-	-
Ruffe	*Gymnocephalus cernua*	Percidae	-	-	-	X	-	-	-	SNA	-	X	-	-	-	-
Sand Shiner	*Notropis stramineus*	Leuciscidae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Sauger	*Sander canadensis*	Percidae	X	-	-	X	-	-	-	S4	X	X	X	X	X	X
Sea Lamprey	*Petromyzon marinus*	Petromyzontidae	-	X	X	X	-	-	-	SNA	X	X	-	-	-	-
Shorthead Redhorse	*Moxostoma macrolepidotum*	Catostomidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Shortjaw Cisco	*Coregonus zenithicus*	Salmonidae	-	X	X	X	THR	-	THR	S2	X	-	X	X	-	-
Shortnose Cisco	*Coregonus reighardi*	Salmonidae	-	-	-	X	END	END	END	SH	X	-	-	-	-	-
Silver Lamprey - Great Lakes - Upper St. Lawrence populations	*Ichthyomyzon unicuspis pop. 1*	Petromyzontidae	X	-	-	X	SC	SC	SC	S3	X	X	-	-	-	-
Silver Redhorse	*Moxostoma anisurum*	Catostomidae	-	X	X	X	-	-	-	S4	-	X	X	X	X	-
Slimy Sculpin	*Cottus cognatus*	Cottidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Smallmouth Bass	*Micropterus dolomieu*	Centrarchidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Splake	*Salvelinus fontinalis × S. namaycush*	Salmonidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Spoonhead Sculpin	*Cottus ricei*	Cottidae	-	X	X	X	-	-	NAR	S4	X	-	-	X	X	-
Spottail Shiner	*Notropis hudsonius*	Leuciscidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Stonecat	*Noturus flavus*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Tadpole Madtom	*Noturus gyrinus*	Ictaluridae	-	X	X	X	-	-	-	S4	-	-	X	X	-	-
Tessellated Darter[11]	*Etheostoma olmstedi*	Percidae	-	-	-	X	-	-	NAR	S4	-	-	-	X	-	-
Threespine Stickleback	*Gasterosteus aculeatus*	Gasterosteidae	-	X	X	X	-	-	-	S4S5	-	X	-	-	-	-
Trout-perch	*Percopsis omiscomaycus*	Percopsidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Walleye	*Sander vitreus*	Percidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
White Perch	*Morone americana*	Moronidae	-	X	X	X	-	-	-	SNA	-	X	-	-	-	-
White Sucker	*Catostomus commersonii*	Catostomidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Yellow Bullhead	*Ameiurus natalis*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Yellow Perch	*Perca flavescens*	Percidae	X	-	-	X	-	-	-	S5	X	X	X	X	X	X
Total			**49**	**47**	**41**	**87**	**13**	**9**	**29**	**-**	**64**	**70**	**54**	**63**	**45**	**52**
Documented Occurrence only in Lake Superior (Outside of the LSA)																
Alewife	*Alosa pseudoharengus*	Clupeidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
American Brook Lamprey	*Lethenteron appendix*	Petromyzontidae	-	X	X	-	-	-	-	S3	-	-	-	-	-	-
Atlantic Salmon	*Salmo salar*	Salmonidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Black Bullhead	*Ameiurus melas*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Blackchin Shiner	*Notropis heterodon*	Leuciscidae	-	X	X	-	-	-	NAR	S5	-	-	-	-	-	-
Bloater	*Coregonus hoyi*	Salmonidae	-	X	X	-	-	-	NAR	S4	-	-	-	-	-	-
Bluegill	*Lepomis macrochirus*	Centrarchidae	-	X	X	-	-	-	-	S5	-	-	-	-	-	-
Bowfin	*Amia calva*	Amiidae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Brook Silverside	*Labidesthes sicculus*	Atherinopsidae	-	X	X	-	-	-	-	S5	-	-	-	-	-	-
Channel Catfish	*Ictalurus punctatus*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Coho Salmon	*Oncorhynchus kisutch*	Salmonidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Common Carp	*Cyprinus carpio*	Cyprinidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Fourhorn Sculpin	*Myoxocephalus quadricornis*	Cottidae	-	X	X	-	-	-	DD	S2?	-	-	-	-	-	-
Fourspine Stickleback	*Apeltes quadracus*	Gasterosteidae	-	X	X	-				SNA	-	-	-	-	-	-
Freshwater Drum	*Aplodinotus grunniens*	Sciaenidae	-	X	X	-	-	-	-	S5	-	-	-	-	-	-
Freshwater Tubenose Goby	*Proterorhinus semilunaris*	Gobiidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Goldfish	*Carassius auratus*	Cyprinidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Hornyhead Chub	*Nocomis biguttatus*	Leuciscidae	-	X	X	-	-	-	NAR	S4	-	-	-	-	-	-
Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)	*Acipenser fulvescens*	Acipenseridae	-	X	X	-	THR	-	THR	S2	-	-	-	-	-	-
Longnose Sucker	*Catostomus catostomus*	Catostomidae	-	X	X	-	-	-	-	S5	-	-	-	-	-	-
Northern Brook Lamprey	*Ichthyomyzon fossor*	Petromyzontidae	-	X	X	-	SC	SC	SC	S3	-	-	-	-	-	-
Pink Salmon	*Oncorhynchus gorbuscha*	Salmonidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Pugnose Shiner	*Notropis anogenus*	Leuciscidae	-	X	X	-	THR	THR	THR	S2	-	-	-	-	-	-
Pygmy Whitefish	*Prosopium coulterii*	Salmonidae	-	X	X	-	-	-	THR	SU	-	-	-	-	-	-
Rosyface Shiner	*Notropis rubellus*	Leuciscidae	-	X	X	-	-	-	NAR	S4	-	-	-	-	-	-

Common Name	Scientific Name	Family Name	Documented Occurrence at Alternative Route Water Crossing	Documented Occurrence only in	Documented Occurrence in Lake	Documented Occurrence Within	Conservation Ranking: ESA[1]	Conservation Ranking: SARA[2]	Conservation Ranking: COSEWIC[3]	Conservation Ranking: S Rank[4]	North Lake Superior Shoreline Watershed	Kaministiquia River Watershed ; Dog,	Rainy Headwaters Watershed	Rainy Lake, Big Turtle River -	Upper English River	Wabigoon River Watershed
Round Goby	*Neogobius melanostomus*	Gobiidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Round Whitefish	*Prosopium cylindraceum*	Salmonidae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Sand Shiner	*Notropis stramineus*	Leuciscidae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Sea Lamprey	*Petromyzon marinus*	Petromyzontidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Shortjaw Cisco	*Coregonus zenithicus*	Salmonidae	-	X	X	-	THR	-	THR	S2	-	-	-	-	-	-
Silver Redhorse	*Moxostoma anisurum*	Catostomidae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Splake	*Salvelinus fontinalis* × *S. namaycush*	Salmonidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Spoonhead Sculpin	*Cottus ricei*	Cottidae	-	X	X	-	-	-	NAR	S4	-	-	-	-	-	-
Stonecat	*Noturus flavus*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Tadpole Madtom	*Noturus gyrinus*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Threespine Stickleback	*Gasterosteus aculeatus*	Gasterosteidae	-	X	X	-	-	-	-	S4S5	-	-	-	-	-	-
Kiyi (Upper Great Lakes)	*Coregonus kiyi kiyi*	Salmonidae	-	X	X	-	SC	SC	SC	S2	-	-	-	-	-	-
White Perch	*Morone americana*	Moronidae	-	X	X	-	-	-	-	SNA	-	-	-	-	-	-
Yellow Bullhead	*Ameiurus natalis*	Ictaluridae	-	X	X	-	-	-	-	S4	-	-	-	-	-	-
Total			0	39	39	0	6	4	13	-	0	0	0	0	0	0
Mussel Species																
Black Sandshell	*Ligumia recta*	Unionidae	-	-	-	X	-	-	-	S3	-	X[10]	-	X	-	-
Creek Heelsplitter	*Lasmigona compressa*	Unionidae	-	-	-	X	-	-	-	S5	X	X[10]	X	X	X	X
Creeper	*Strophitus undulatus*	Unionidae	-	-	-	X	-	-	-	S5	-	X[10]	-	X	-	X
Cylindrical Papershell	*Anodontoides ferussacianus*	Unionidae	-	-	-	X	-	-	-	S4	X	X[10]	X	X	X	X
Eastern Elliptio	*Elliptio complanata*	Unionidae	-	-	-	X	-	-	-	S5	X	-	-	-	-	-
Fatmucket	*Lampsilis siliquoidea*	Unionidae	-	-	-	X	-	-	-	S5	X	X[10]	X	X	X	X
Flutedshell	*Lasmigona costata*	Unionidae	-	-	-	X	-	-	-	S5	-	X[10]	-	X	-	-
Giant Floater	*Pygandodon grandis*	Unionidae	-	-	-	X	-	-	-	S5	X	X[10]	X	X	X	X
Pink Heelsplitter	*Potamilus alatus*	Unionidae	-	-	-	X	-	-	-	S3	-	X[10]	-	-	-	-
White Heelsplitter	*Lasmigona complanata*	Unionidae	-	-	-	X	-	-	-	S4	-	X[10]	-	X	-	X
Total			**0**	**0**	**0**	**10**	**0**	**0**	**0**	**-**	**5**	**9**	**4**	**8**	**4**	**6**

X = Desktop Documented occurrence; F = Field Documented Occurrence - = not documented/no status

[1] *Endangered Species Act* (ESA), 2007. General (O.Reg 242/08 last amended 29 June 2020 as O.Reg 328/20). Species at Risk in Ontario List (O.Reg 230/08 last amended 1 Aug 2018 as O. Reg 404/18, s. 1.); Schedule 1 (Extirpated - EXP), Schedule 2 (Endangered - END), Schedule 3 (Threatened - THR), Schedule 4 (Special Concern - SC), Data Deficient (DD), NAR (Narrative).

[2] *Species at Risk Act* (SARA), 2002. Schedule 1 (Last amended 5 September 2020): Part 1 (Extirpated), Part 2 (Endangered), Part 3 (Threatened), Part 4 (Special Concern), DD (Data Deficient)

[3] Committee on the Status of Endangered Wildlife in Canada (COSEWIC) http://www.cosewic.gc.ca/. Extirpated (EX), Endangered (END), Threatened (THR), Special Concern (SC), Data Deficient (DD), NAR (Narrative).

[4] Provincial Ranks (SRANK) are Rarity Ranks assigned to a species or ecological communities, by the Natural Heritage Information Centre (NHIC). These ranks are not legal designations. SRANKS are evaluated by NHIC on a continual basis and updated lists produced annually. SX (Presumed Extirpated), SH (Possibly Extirpated - Historical), S1 (Critically Imperiled), S2 (Imperiled), S3 (Vulnerable), S4 (Apparently Secure), S5 (Secure), SNA (Not Applicable), S#S# (Range Rank), S? (Not ranked yet), SAB (Breeding Accident), SNA (Non-breeding Accident), SX (Apparently Extirpated),. Last assessed November 2019.

[6] General Habitat Protection is applied when a species is newly listed as endangered or threatened on the SARO list under the ESA, 2007. The definition of general habitat applies to areas that a species currently depends on. These areas may include dens and nests, wetlands, forests and other areas essential for breeding, rearing, feeding, hibernation and migration. General habitat protection will also apply to all listed endangered or threatened species without a species-specific habitat regulation as of June 30, 2013 (ESA 2007, c.6, s.10 (2)). Regulated Habitat is species-specific habitat used as the legal description of that species habitat. Once a species-specific habitat regulation is created, it replaces general habitat protection. Refer to O.Reg 242/08 for full details regarding regulated habitat.

[7] Refer to the individual species' federal recovery strategy for a full description of the critical habitat (http://www.sararegistry.gc.ca/sar/recovery/recovery_e.cfm)

[8] No species designation was provided for this historical record and was combined with Northern Pearl Dace (Holm et al 2009)

[9] Watershed name identified from the Ontario Hydrographic Network (OHN) layer (MNDMNRF 2021a, LIO Tertiary Watershed Name (MNDMNRF 2022) and corresponding watershed name/code ##XX identified from the Habitat/Ecosystem Assessment Tool (HEAT 2019) (Mandrak NE, et al., n.d.)

[10] Occurrence documented prior to 2005 from Freshwater Mussels of Ontario field guide (Metcalf-Smith 2005)

[11] This species listing occurs outside of it's mapped range, but the record has been retained within this list as it was referenced in MNRF. 2022a. Aquatic Resource Area (ARA), Land Information Ontario (LIO). Ontario Ministry of Natural Resources & Forestry. Queens Printer 2022.

[12] Formerly the population was labelled as Northwestern Ontario population 12

[13] Occurrence records for Nipigeon Cisco were extrapolated from the DFO Canada HEAT Habitat/Ecosystem Assessment Tool on a watershed basis, and they are listed above as Coregonus artedi alongside records of Cisco. (HEAT 2019)

References:

COSEWIC.2003. COSEWIC Assessment and Update Status Report on the Shortjaw Cisco Coregonus zenithicus in Canada. Available at: https://wildlife-species.canada.ca/species-risk-registry/virtual_sara/files/cosewic/sr_shortjaw_cisco_e.pdf. Updated: November 26, 2020.

COSEWIC. 2005. COSEWIC assessment and update status report on the Lake Ontario kiyi Coregonus kiyi orientalis and Upper Great Lakes kiyi Coregonus kiyi kiyi in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 17 pp.

COSEWIC. 2007. COSEWIC Assessment and Update Status Report on the Northern Brook Lamprey (Ichthyomyzon fossor. Great Lakes-Upper St. Lawrence populations, Saskatchewan-Nelson Population in Canada. Available at: https://www.sararegistry.gc.ca/virtual_sara/files/cosewic/sr_ichthyomyzon_fossor_e.pdf

COSEWIC. 2011. COSEWIC Assessment and Status Report on the Silver Lamprey Ichthyomyzon unicuspis Great Lakes-Upper St. Lawrence populations Saskatchewan-Nelson River populations inn Canada. Available at: https://sararegistry.gc.ca/virtual_sara/files/cosewic/sr_silver_lamprey_0911_eng.pdf

COSEWIC. 2012. COSEWIC assessment and status report on the American Eel Anguilla rostrata in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xii + 109 pp.

COSEWIC. 2013. COSSARO Candidate Species at Risk Evaluation for Pugnose Shiner (Notropis anogenus) Committee on the Status of Species at Risk in Ontario (COSSARO) Assessed by COSSARO as THREATENED June 2013 Final.

COSEWIC. 2016. COSEWIC assessment and status report on the Pygmy Whitefish Prosopium coulterii, Southwestern Yukon Beringian populations, Yukon River populations, Pacific populations, Western Arctic populations, Great Lakes – Upper St. Lawrence populations, Waterton Lake populations and Saskatchewan - Nelson Rivers populations in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xxxvi + 69 pp. (Species at Risk Public Registry website).

COSEWIC. 2016. COSEWIC assessment and status report on the River Darter Percina shumardi, Saskatchewan – Nelson River populations, Southern Hudson Bay – James Bay populations and Great Lakes-Upper St. Lawrence populations, in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xiv + 53 pp

COSEWIC. 2017a. COSEWIC assessment and status report on the Lake Sturgeon Acipenser fulvescens,Western Hudson Bay populations, Saskatchewan-Nelson River populations, Southern Hudson Bay James Bay populations and Great Lakes-Upper St. Lawrence populations in Canada. Committee onthe Status of Endangered Wildlife in Canada. Ottawa. xxx + 153 pp. (http://www.registrelepsararegistry.gc.ca/default.asp?lang=en&n=24F7211B-1).

COSEWIC. 2017b. COSEWIC assessment and status report on the Deepwater Sculpin Myoxocephalus thompsonii, Great Lakes-Upper St. Lawrence populations, Southern Hudson Bay-JamesBay populations, Saskatchewan-Nelson River populations, Waterton Lake population, Western Hudson Bay populations and Western Arctic populations in Canada. Committee on theStatus of Endangered Wildlife in Canada. Ottawa. xxxvii + 61 pp. (http://www.registrelepsararegistry.gc.ca/default.asp?lang=en&n=24F7211B-1).

Mandrak, N.E., R.A. Curry, P. Dumont, E. Holm, and D. Watkinson. (in prep). Atlas of the freshwater fishes of Canada with a taxonomic key.

MECP. 2014. Species at Risk: Northern Brook Lamprey (Ichthyomyzon fossor). Available at: Ichthyomyzon fossor. Published: July 18, 2014. Updated May 7, 2019.

Metcalfe-Smith, J., MacKenzie, A., Carmichael, I., McGoldrick, D., 2005. Freshwater Mussels of Ontario. St. Thomas ON: St. Thomas Field Naturalist Club Incorporated.60 p.

MNRF (Ontario Ministry of Northern Development, Mining, Natural Resources and Forestry). 2021a. Land Information Ontario. [accessed March 2022]. https://www.ontario.ca/page/land-information-ontario.

NatureServe. 2022. NatureServe Explorer. Available at: http://www.natureserve.org/explorer/ [accessed 24 November 2022].

ATTACHMENT 6.6-A-4

Fish Occurrence Records of the LSA

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Alewife	Alleghany Pearl Dace	American Brook Lampre	American Eel	Atlantic Salmon	Banded Killifish	Black Bullhead	Black Crappie	Blackchin Shiner	Blackfin Cisco	Blacknose Dace	Blacknose Shiner	Blackside Darter	Bloater	Bluegill	Bluntnose Minnow	Bowfin	Brassy Minnow	Brook Silverside	Brook Stickleback
WC-1000	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1001	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1002	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1003	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1004	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1009	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1010	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1011.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.02	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1012	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1012.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1013	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1014	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1015	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1016	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1018.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1018.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1019	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1020	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1021	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.03	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1021.04	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F

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WC-1022	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1023	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1024	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1025	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1026	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1027	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1028	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.02	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1030	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-
WC-1031.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.04	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033.01	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1034	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1035	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1037	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1038	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-1039	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.02	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1040	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1041	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1041.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1042	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1044	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1045	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1046	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1046.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1050	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1051	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1052	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1053	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1054	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1055	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1055.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1056	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1057	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1058	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1059	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1060	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1061	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1062	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1064	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1065	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1066	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1067	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1068	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-
WC-1069	Rainy Headwaters	1 / 1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.01	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.02	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.03	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H
WC-1070	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1071	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1072	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1073	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1074	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076.01	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1077	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078	Rainy Headwaters	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1078.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1080	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1081	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1082	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1083	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1084	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	F	F	-	-	-	-	-	-	-	-
WC-1085	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1086	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1087	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1088	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1089	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1091	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1093	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1094	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1095	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1097	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1098	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1099	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1100	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

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WC-1101	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1102	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1103	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1104	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1105	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1106	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1107	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1108	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1109	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1111	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1112	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1112.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1115	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1116	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1117	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1118	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1121	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1122	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.02	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1124	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.02	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1126	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1127	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H

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WC-1129	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1130	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1131	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1132	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1133	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1136	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.02	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1138	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1138.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1140	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1141	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1142	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1143	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1143.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1144	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1146.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1148.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1148.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.03	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1149	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1150	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1151	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1152	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	F	-	-	-	-
WC-1153.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1154	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1155	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1156	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1157	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1158	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1158.01	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1159	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1159.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1160	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1160.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-1161	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-1162	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1163	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1164	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1164.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1165	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1166	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1167	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-1167.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.03	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.04	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1168.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1170	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1171	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1171.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1172	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1174.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1175	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1176	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.02	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1177	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1177.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1178	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1179	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1180	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182.01	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1183	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1184	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1185	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1186	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1187	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1188	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191.01	Rainy Headwaters	1C	Y	September 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.01	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.02	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.03	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1193	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1194	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1195	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1196	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1197	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1198	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1199	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1200	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1200.01	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1200.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1201	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1202	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1202.01	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.03	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1203	Rainy Lake	1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F
WC-1204.01	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-1204.02	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1205	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1206	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-1207	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1208	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2000	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2001	Rainy Lake	/ 1C / 2A / 2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2002	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2002.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2003	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004.01	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2005	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2006	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.01	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.02	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008	Rainy Lake	2A / 2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.01	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.02	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.03	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2009	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2010	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2011	Rainy Lake	2A / 2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2012	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2013	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2014	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2015	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2015.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H

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WC-2016	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2017	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.02	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2019	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2020	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2021	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2022	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2022.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2023	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2024	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2025	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2026	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2027	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2029	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2032	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2033	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2034	Rainy Lake	1C / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2035	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.02	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2040	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2041	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2042	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2043	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2044	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2045	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2046	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2047	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2049	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2050	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.01	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2052	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2053	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2053.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2054	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2055	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2056	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2058	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2059	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2061	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2062	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-2063.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2064	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-2065	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-2066	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-2066.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2067	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2068	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.04	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.05	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.06	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.07	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.08	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.09	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-2071.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2072	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-2073	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2074	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	-	-	-
WC-2075	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2077	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2078	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2079	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2080	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2081	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2084	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2086	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2087	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2087.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2089	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2090	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2091	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2092	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2093	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2094	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2095	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2096	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2097	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2098	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2099	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2101	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2102	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103.01	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2104	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2105	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2106	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2107	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2108	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2109	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2110	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2113	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2114	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2115	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2116	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2118	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2119	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2120	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2121	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-2122	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2122.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2123	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.02	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2125	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2126	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2127	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2128	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2129	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-2129.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2131	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2132	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2135	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2136	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.02	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2137	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2138	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2139	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2139.01	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2140	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2141	Wabigoon River	3A / 3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2142	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2143	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2144	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2145.04	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2145.05	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2146.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2146.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.02	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.03	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2149	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2150	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2152	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2153	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2154	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2156.01	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2157	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2157.01	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158.01	Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2159	Rainy Lake	3B / 3C	-	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2160	Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2161	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2162	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2163	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2163.01	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.02	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2165	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2166	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2167	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2168	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2169	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2170	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2171	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2172	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2173	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2174	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2175	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2176	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2176.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2177	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2178	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2179	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2181	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2182	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2183	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2184	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2185	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2185.01	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.04	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2189	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2191	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2192	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2193	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2193.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2194	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.03	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2197	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2198	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2198.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2199	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.02	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2201.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2202	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2203	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2204	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2205	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2206	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2207	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2208	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2208.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2210	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2211	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2212	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2213	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2214	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2215	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2216	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2217	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2217.01	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2218	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2219	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2220	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2221	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2221.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2222.01	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2222.02	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2223	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-2224	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2225	Big Turtle River - Rainy Lake	3B	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2226.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.02	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.03	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.01	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2228	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2229	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2230	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2231	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232.01	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2233	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2234	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	H	-	-	-	-
WC-2235	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	H	-	-	-	-
WC-2236	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	H	-	H	-	-
WC-2237	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	H	-	-	-	-
WC-2237.01	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	H	-	-	-	-
WC-2238	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2239	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2240	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2241	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-2241.01	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2242	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2243	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2243.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2244	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2245	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2246	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2247	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2248	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2249	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2250	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2251	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2251.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2252	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.02	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.03	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2254	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-2254.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2255	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2256	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2257	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2258	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3000	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-3001	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-3002	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-3003	North Lake Superior Shoreline	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-3003.01	North Lake Superior Shoreline	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3003.02	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3004	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-3005	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3006	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3007	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-3008	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	H	H	H	-	H	H	H	-	-	H	-	H	H	H	H	H	H	H
WC-3009	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3010	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3011	North Lake Superior Shoreline	1B-1 / 1B-2	-	June 1 to July 31[a]	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3012	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3013	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3014	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3015	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3016	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3017	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3018	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3019	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3020	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3021	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3022	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3023	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3024	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3025	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3026	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3027	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3028	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3029	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3030	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3031	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3032	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3033	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3034	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3035	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-3036	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3037	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3038	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3039	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3040	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3041	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3042	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3043	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3044	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3045	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3046	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3047	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-3048	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3049	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3050	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3051	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3052	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3053	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3054	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3055	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3056	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3057	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3058	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3059	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3060	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3062	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3063	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3064	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3065	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3066	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3067	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3068	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3069	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3070	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3071	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3072	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3073	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3074	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3075	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3076	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3077	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3078	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3080	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3082	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3083	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3084	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3085	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3088	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089.03	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089.04	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3090	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3091	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3093	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3094	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3095	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3095.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3097	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3098	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3099.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3100	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3101.02	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3103	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3104	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3105	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3106.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3107	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3108	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3109	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3110	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3112	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3113	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3114	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3115	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3116	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3117	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3120	North Lake Superior Shoreline	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3124	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3125	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3126	North Lake Superior Shoreline	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3127	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3128	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3129	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3130	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3131	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3132	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3136	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-3137	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3138	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3140	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3141	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3142	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3143	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3144	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3145	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3149	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3150	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3151	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3152	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3154	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3155	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3156	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3157	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3158	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3159	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3160	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3161	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3162	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3163	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3164	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3165	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3166	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3167	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3168	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3171	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3172	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3173	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3174	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3175	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3176	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3177	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3178	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3179	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3181	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3182	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-
WC-3183	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3184	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3185	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3186	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3187	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3189	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3191	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3192	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3193	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3194	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3195	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3196	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3197	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3198	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.02	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3200	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3201	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3202	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3203	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-3204	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3205	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3206	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3207	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3208	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3210	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3211	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3213	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	F

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WC-3214	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3215	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3216	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3218	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3219	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3219.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3220	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3221	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3222	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3223	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3226	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3227	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3228	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3229	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3230	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3231	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3232	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3233	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3234	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3235	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3236	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3237	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3238	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3239	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3240	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3241	Kaministiquia River	1 / 1C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242.01	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3243	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3244	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3245	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3248	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3250	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3251	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3253	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3256	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3258	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3259	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3260	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-
WC-3261	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3262	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3263	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3264	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3265	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3266	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3267	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3268	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3269	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3270	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H
WC-3271	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H
WC-3272	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H
WC-3272.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.03	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3274	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3275	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3276	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3277	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3278	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3279	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3280	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3281	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3282	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3283	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3284	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3285	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3285.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3286	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3287	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3288	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3289	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3293	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3296	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3297	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3299	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3300	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3301	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3302	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3303	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3308	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3309	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3310	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3312	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3313	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3314	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3315	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3316	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3317	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3318	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3319	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3320.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3321	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.02	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.03	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3324	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3325	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3326	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3327	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3328	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3329	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3331	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3332	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3333	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3334	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3335	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3336	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3339	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3341	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3342	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3343	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3344	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3345	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3346	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3347	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3348	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3349	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3350	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3351	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3352	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3353	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3354	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3355	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3356	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3357	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3358	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3359	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3360	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362.01	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3363	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3365	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3366	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3367	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3368	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3369	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3370	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3371	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3372	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3373	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3374	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3375	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3376	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3377	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3378	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3379	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3380	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3381	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3382	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3383	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3385	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3386	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3387	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3390	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3391	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3392	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3397	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3398	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3399	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3400	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3401	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3402	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3404	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3406	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407.01	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3408	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3409	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3410	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3411	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3413	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3414	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3415	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3416	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3417	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3418	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3418.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3425	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3426	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3433	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3434	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3435	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3441	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3442	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3444	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3446	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3447	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3448	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3449	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3450	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3452	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3453	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3454	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3456	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3457	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3458	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3461	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3463	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3464	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3465	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3466	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3467	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3468	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3469	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3470	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3471	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3472	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3475	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3476	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3477	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3478	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3479	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3480	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3481	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3482	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3483	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484.01	North Lake Superior Shoreline	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3486	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3488	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-3489	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3490	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3491	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3492	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3495	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3496	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3497	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3498	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3499	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3500	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3501	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-3502	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3503	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3504	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3505	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3506	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F
WC-3507	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F
WC-3508	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F
WC-3509	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F
WC-3510	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3511	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3512	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3513	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3514	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3515	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3516	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3517	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3518	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3519	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3520	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3521	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3522	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3523	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3524	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3525	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3526	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3527	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-
WC-3528	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3529	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3530	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3531	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3532	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3533	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3534	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3535	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3536	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3537	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3538	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3539	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3540	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3541	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3542	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3543	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3545	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3547	Rainy Lake	2A / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3549	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3550	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3551	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3552	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3553	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3554	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3555	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3556	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3557	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3558	Rainy Lake	3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3559	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

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WC-3560	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3561	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3562	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3563	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3564	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3565	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3566	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3567	Rainy Lake	3B / 3C	-	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3568	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3569	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3570	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3571	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3572	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3573	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3574	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3575	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3576	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3577	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3579	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3580	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3581	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3582	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3583	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3585	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3586	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3587	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3588	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3589	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3591	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3592	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3593	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3594	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3595	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3596	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3597	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3598	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3599	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3600	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3601	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3602	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3603	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3604	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3605	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3606	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3607	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3608	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3609	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3610	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3611	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3612	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3613	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3614	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3615	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3616	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3618	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3620	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3621	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3622	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3623	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3624	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3625	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3626	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3628	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3629	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3630	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3633	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3635	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3636	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3637	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3638	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3640	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3641	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3642	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3644	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.01	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3646.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.03	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3647	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3648	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3649	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649.01	Rainy Lake	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3650	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3651	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3652	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3653.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3654	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3655	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3656	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3657	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3658	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3659	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3660	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3663	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3672	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3674	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3675	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3676	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3677	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3678	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3678.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3680	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3681	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3682	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3683	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3684	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3685	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3686	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3687	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3688	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H

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WC-3689	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3690	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3691	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3692	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3693	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3694	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3695	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3696	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3697	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3698	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3699	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3700	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3701	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3702	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3703	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3704	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3704.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3705	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3706	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3707	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3708	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3709	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.04	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.05	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3712	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3713	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3715.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3717	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-
WC-3722	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3723	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	-	-	-
WC-3723.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	-	-	-

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WC-3724	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	-	-	-
WC-3725	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3726	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3727	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3728	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	-	-	-
WC-3729	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	-	-	-
WC-3730	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3731	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3733	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3734	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3735	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3736	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3737	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3738	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3739	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3740	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3741	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3744	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3745	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3746	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3747	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3748	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3749	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3751	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3752	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3753	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3755	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3756	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3757	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3758	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3759	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760	Upper English River	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.01	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.02	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3761	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3762	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3764	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3765	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3766	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3767	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3768	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3769	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3770	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3771	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3772	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3773	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3774	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3777	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3779	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3780	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.01	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.02	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3782	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3783	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3784	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3785	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3786	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3787	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3788	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3789	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3790	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3791	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3792	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3793	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3794	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3795	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3796	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3797	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3798	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3799	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3800	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Alewife	Alleghany Pearl Dace	American Brook Lampre	American Eel	Atlantic Salmon	Banded Killifish	Black Bullhead	Black Crappie	Blackchin Shiner	Blackfin Cisco	Blacknose Dace	Blacknose Shiner	Blackside Darter	Bloater	Bluegill	Bluntnose Minnow	Bowfin	Brassy Minnow	Brook Silverside	Brook Stickleback
WC-3801	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3802	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3803	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3804	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3805	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3806	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3807	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3808	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3809	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3810	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3811	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-
WC-3812	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-
WC-3813	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-
WC-3814	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H	-	-
WC-3815	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3816	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3817	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3818	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3819	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3820	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3821	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3822	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3823	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3824	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3825	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3826	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3827	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3828	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3829	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3830	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3831	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3832	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F
WC-3833	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3834	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3835	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3836	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3837	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3839	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840	Wabigoon River	3A / 3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3841	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3844	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
WC-3845.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3847	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3849	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-3851	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-3853	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-3854	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-3855	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-
WC-3855.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3856	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3857	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3859	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3860	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3861	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3862	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3864	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3865	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3866	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3868	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3869	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3870	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3871	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3872.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3873	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3874	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3875	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3876	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3877	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3881	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3883	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884.01	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3885	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3886	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3887	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3888	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3891	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3892	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3894	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3897	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3898	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3899	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3901	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3902	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3903	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3905.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3906	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3907	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3909	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3910	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3911	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3912	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3913	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3915	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3916	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: " - " = not applicable; H = historic occurrence record; F = field occurrence record; B = both historic and field occurrence records,

a) Timing-window for American Eel is reflective of the migration period, not the spawning period, as American Eel spawn in the Sargasso Sea (i.e., June 1 to July 31)

b) Occurrence records for Redfin Shiner were extrapolated from the MNRFR LIO ARA record within Sandford Lake with an effective date of October 11, 2017, although this record is noted to occur outside the typical range for this species. Please refer to ARA Identification Number FF-9407-WEA for source details.

c) Historic occurrence records have been extrapolated at a desktop level based on available GIS resources and a 1km buffer was applied based on a visible hydrological connection.

References:

WSP. 2022. Waasigan Transmission Line EA Crossing List. A combination of collated data from various background resources and field data by georeferenced crossing location (see Baseline Appendix A for the details on sources used).

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Brook Trout	Brown Bullhead	Brown Trout	Burbot	Carps and Minnows	Catostomus spp.	Central Mudminnow	Channel Catfish	Chinook Salmon	Chrosomus spp.	Cisco	Coaster Brook Trout	Coho Salmon	Common Carp	Common Shiner	Cottidae spp.	Creek Chub	Deepwater Sculpin (Great Lakes - Western St. Lawrence	Emerald Shiner	European flounder
WC-1000	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1001	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1002	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1003	North Lake Superior Shoreline	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1004	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1009	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1010	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011	North Lake Superior Shoreline	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1011.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.02	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1013	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1014	Kaministiquia River	1	Y	September 1 to July 15	H	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1015	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1016	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1018.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1019	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1020	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-1021	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.03	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.04	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-1022	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1023	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1024	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1025	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1026	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1027	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1028	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.02	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1030	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1032.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.04	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033.01	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1034	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1035	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1037	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1038	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-
WC-1039	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.02	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1040	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1041	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1041.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1042	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1044	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1045	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1046	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1046.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1048.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1049.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1050	Kaministiquia River	1 / 1C	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1051	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1052	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	H	-	-	-	-	H	-	H	-	-
WC-1053	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1054	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1055	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	H	-	-	-	-
WC-1055.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1056	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	H	-	-	H	-	-	-	H	-	-	-	-	H	-	-	-	-
WC-1057	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	H	-	-	H	-	-	-	H	-	-	-	-	H	-	-	-	-
WC-1058	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1059	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1060	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1061	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1062	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-
WC-1063.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1064	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1065	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1066	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1067	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1068	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069	Rainy Headwaters	1 / 1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.01	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.02	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.03	Kaministiquia River	1 / 1C	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1071	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1072	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1073	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1074	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076.01	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1077	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078	Rainy Headwaters	1 / 1C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1080	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1081	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1082	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1083	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1084	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1085	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1086	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1087	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1088	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1089	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1091	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1093	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1094	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1095	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1097	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1098	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1099	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1100	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-

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WC-1101	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1102	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1103	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1104	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1105	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1106	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1107	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1108	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1109	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1111	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1112	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1112.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1113.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1114.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1115	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1116	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1117	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1118	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1120.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1121	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1122	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.02	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1124	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.02	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1126	Rainy Lake	1	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1127	Rainy Lake	1	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-

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WC-1129	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1130	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1131	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1132	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1133	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1136	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.02	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1139	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1140	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1141	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1142	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1143	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1143.01	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-1144	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-1145	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-1145.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1146.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1147	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1148	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1148.01	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1148.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.03	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1149	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-1150	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-1151	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1152	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1153	Kaministiquia River	1A	Y	September 1 to June 15	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1153.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1154	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1155	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1156	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1157	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1158	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1158.01	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1159	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1159.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1160	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1160.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-1161	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1162	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1163	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1164	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1164.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1165	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1166	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1167	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 20	H	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-
WC-1167.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.03	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.04	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1168.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1170	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1171	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1171.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1172	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1175	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1176	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.02	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1178	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1179	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1180	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182.01	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1183	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1184	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1185	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1186	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1187	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1188	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	H	-	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1190.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191.01	Rainy Headwaters	1C	Y	September 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1192.01	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.02	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.03	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1193	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1194	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1195	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-1196	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-1197	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-1198	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-1199	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1200	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-1200.01	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-

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WC-1200.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1201	Rainy Lake	1C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1202	Rainy Lake	1C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1202.01	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.03	Rainy Lake	1C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1203	Rainy Lake	1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.01	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.02	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-
WC-1205	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1206	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1207	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1208	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2000	Rainy Lake	2A	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2001	Rainy Lake	/ 1C / 2A / 2	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2002	Rainy Lake	2A	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2002.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2003	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004.01	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2005	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2006	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.01	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.02	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008	Rainy Lake	2A / 2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.01	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.02	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.03	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2009	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2010	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2011	Rainy Lake	2A / 2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2012	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2013	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2014	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2015	Rainy Lake	2B	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2015.01	Rainy Lake	2B	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-

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WC-2016	Rainy Lake	2B	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2017	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2017.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.02	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2018.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2019	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2020	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2021	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2022	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2022.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2023	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2024	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2025	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2026	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2027	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2029	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2032	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2033	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2034	Rainy Lake	1C / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2035	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.02	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2040	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2041	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2042	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2043	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2044	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2045	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2046	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2047	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2049	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2050	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2051	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.01	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2052	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2054	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2055	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2056	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2058	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2061	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2062	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2063.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2064	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2065	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2066	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2066.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2067	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2068	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2069.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.04	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.05	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.06	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.07	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.08	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.09	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2071.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2072	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2073	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2074	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2075	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2077	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2078	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2079	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2080	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2081	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2084	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2086	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2087	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2087.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088	Wabigoon River	3A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2089	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2090	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2091	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2092	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2093	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2094	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2095	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2096	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2097	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2098	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2099	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2101	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2102	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103.01	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2104	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2105	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2106	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2107	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2108	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2109	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2110	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2113	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2114	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2115	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2116	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2118	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2119	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2120	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2121	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-2122	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2122.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2123	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.02	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2125	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2126	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2127	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2128	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2129	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-2129.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2131	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2132	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2135	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-2136	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.02	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2137	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2138	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2139	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2139.01	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2140	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2141	Wabigoon River	3A / 3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2142	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2143	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2144	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2145.04	Wabigoon River	4	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2145.05	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2146.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2146.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.02	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.03	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2149	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2150	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2152	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2153	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2154	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2156.01	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2157	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2157.01	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158.01	Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2159	Rainy Lake	3B / 3C	-	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2160	Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2161	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2162	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2163	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2163.01	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.02	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2165	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2166	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2167	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2168	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2169	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2170	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2171	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2172	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2173	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2174	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2175	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2176	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2176.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2177	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2178	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2179	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2181	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2182	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2183	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2184	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2185	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2185.01	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2186	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2186.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.04	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2189	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2191	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2192	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2193	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2193.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2194	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.03	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2197	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2198	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2198.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2199	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.02	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	H	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2201.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2202	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2203	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2204	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2205	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2206	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2207	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2210	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2211	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2212	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2213	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2214	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2215	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2216	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217.01	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2218	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2219	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2220	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2221	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2221.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222.01	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222.02	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2223	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2224	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225	Big Turtle River - Rainy Lake	3B	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.02	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.03	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.01	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2228	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2229	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2230	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2231	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232.01	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2233	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2234	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2235	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2236	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2237	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2237.01	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2238	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-2239	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2240	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2241	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2241.01	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2242	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2243	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	H	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2243.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2244	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2245	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2246	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2247	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2248	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2249	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2250	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2251	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2251.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2252	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.02	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.03	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2254	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-2254.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2255	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2256	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2257	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2258	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3000	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-3001	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-3002	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-3003	North Lake Superior Shoreline	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-3003.01	North Lake Superior Shoreline	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3003.02	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3004	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-3005	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3006	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3007	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-3008	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	-	-	H	H	H	-	H	-	H	H	H	-	H	-	H	-
WC-3009	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3010	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3011	North Lake Superior Shoreline	1B-1 / 1B-2	-	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3012	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3013	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3014	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3015	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3016	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	H	-	-	-	-	-	-	-	-	B	-	-	-	-	-	-	-	-	-	-
WC-3017	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3018	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3019	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3020	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3021	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3022	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3023	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3024	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3025	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3026	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3027	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3028	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3029	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3030	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3031	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3032	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3033	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3034	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3035	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3036	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3037	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3038	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3039	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3040	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3041	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3042	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3043	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3044	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3045	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3046	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3047	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3048	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3049	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3050	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3051	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3052	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3053	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3054	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3055	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3056	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3057	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3058	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3059	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3060	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3062	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3063	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3064	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-3065	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3066	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	H	-	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-3067	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3068	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3069	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3070	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3071	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3072	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3073	North Lake Superior Shoreline	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3074	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3075	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3076	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3077	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3078	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3080	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3082	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3083	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3084	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3085	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3088	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089.03	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089.04	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3090	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3091	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3093	North Lake Superior Shoreline	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3094	North Lake Superior Shoreline	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3095	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3095.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3097	Kaministiquia River	1	Y	September 1 to July 15	H	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3098	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3099.01	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3100	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.01	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3101.02	Kaministiquia River	1	Y	September 1 to June 15	H	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3103	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3104	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3105	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106	Kaministiquia River	1	Y	September 1 to June 15	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106.01	Kaministiquia River	1	Y	September 1 to June 15	H	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3107	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3108	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3109	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3110	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3112	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3113	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3114	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3115	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3116	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3117	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3120	North Lake Superior Shoreline	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3124	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3125	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3126	North Lake Superior Shoreline	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3127	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3128	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3129	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3130	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3131	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3132	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3136	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3137	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3138	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3139	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3140	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3141	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3142	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3143	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3144	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3145	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3147	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3148	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3149	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3150	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3151	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3152	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3153	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3154	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3155	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3156	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3157	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3158	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3159	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3160	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3161	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3162	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3163	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3164	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3165	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3166	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3167	Kaministiquia River	1A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3168	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3171	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3172	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-3173	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-3174	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3175	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3176	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3177	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3178	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3179	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3181	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3182	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3183	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3184	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3185	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3186	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3187	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3189	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3191	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3192	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3193	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3194	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3195	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3196	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3197	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3198	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.02	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3200	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3201	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3202	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3203	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-
WC-3204	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3205	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3206	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3207	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3208	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3210	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3211	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3213	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3214	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3215	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3216	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3218	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3219	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3219.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3220	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3221	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3222	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3223	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3226	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3227	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3228	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3229	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3230	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3231	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3232	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3233	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3234	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3235	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3236	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3237	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3238	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3239	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3240	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3241	Kaministiquia River	1 / 1C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242.01	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3243	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3244	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3245	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	H	-	-	-	-
WC-3248	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3250	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3251	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3253	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3256	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3258	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3259	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3260	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3261	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3262	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3263	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3264	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3265	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3266	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3267	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3268	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3269	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3270	Kaministiquia River	1 / 1C	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3271	Kaministiquia River	1 / 1C	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3272	Kaministiquia River	1 / 1C	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3272.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.03	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3274	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3275	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3276	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3277	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3278	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3279	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3280	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3281	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3282	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3283	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3284	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3285	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3285.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3286	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3287	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3288	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3289	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3293	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3296	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3297	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3299	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3300	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3301	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3302	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3303	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3308	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3309	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3310	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3312	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3313	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3314	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3315	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3316	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3317	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3318	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3319	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3320.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3321	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.02	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.03	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3324	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3325	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3326	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3327	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3328	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3329	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3331	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3332	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3333	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3334	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3335	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3336	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3339	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3341	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3342	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3343	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3344	Rainy Lake	1C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3345	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3346	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3347	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3348	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3349	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3350	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3351	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3352	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3353	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3354	Rainy Lake	1	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3355	Rainy Lake	1	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3356	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3357	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3358	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3359	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3360	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362.01	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3363	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3365	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3366	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3367	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3368	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3369	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3370	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3371	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3372	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3373	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3374	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3375	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3376	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3377	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3378	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3379	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3380	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3381	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3382	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3383	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3385	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3386	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3387	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3390	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3391	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3392	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3393.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3393.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3397	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3398	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3399	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3400	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3401	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3402	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3404	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3406	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407.01	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3408	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3409	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3410	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3411	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3413	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3414	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3415	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3416	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3417	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3418	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3418.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3425	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3426	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3433	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3434	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3435	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3441	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3442	Rainy Lake	2B	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3444	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3446	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3447	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3448	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3449	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3450	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3452	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3453	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3454	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3456	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3457	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3458	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3461	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3463	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3464	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3465	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3466	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3467	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3468	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3469	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3470	Rainy Lake	2A	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3471	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3472	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3475	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3476	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3477	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3478	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3479	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3480	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3481	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3482	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3483	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484.01	North Lake Superior Shoreline	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3486	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3488	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3489	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3490	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3491	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3492	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3495	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3496	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3497	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	H	-	H	-	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3498	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3499	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3500	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3501	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-
WC-3502	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3503	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3504	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3505	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3506	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3507	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3508	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3509	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3510	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3511	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3512	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3513	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3514	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3515	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3516	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3517	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3518	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3519	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3520	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3521	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3522	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3523	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3524	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3525	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3526	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3527	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3528	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3529	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3530	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3531	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3532	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3533	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3534	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3535	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3536	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3537	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3538	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3539	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3540	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3541	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3542	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3543	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3545	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3547	Rainy Lake	2A / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3549	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3550	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3551	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3552	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3553	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3554	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3555	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3556	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3557	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3558	Rainy Lake	3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3559	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-

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WC-3560	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3561	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3562	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3563	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3564	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3565	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3566	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3567	Rainy Lake	3B / 3C	-	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3568	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3569	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3570	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3571	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3572	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3573	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3574	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3575	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3576	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3577	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3579	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3580	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3581	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3582	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3583	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3585	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3586	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3587	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3588	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3589	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3591	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3592	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3593	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3594	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3595	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3596	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3597	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3598	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3599	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3600	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-

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WC-3601	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3602	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3603	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3604	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3605	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3606	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3607	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3608	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3609	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3610	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3611	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3612	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3613	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3614	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3615	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	H	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3616	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3618	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3620	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3621	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3622	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3623	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3624	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3625	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3626	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3628	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3629	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3630	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3633	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3635	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3636	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3637	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3638	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3640	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3641	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3642	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3644	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3646	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.01	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3646.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.03	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3647	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3648	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649.01	Rainy Lake	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3650	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3651	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3652	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3654	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3655	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3656	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3657	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3658	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3659	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3660	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3663	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	B	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3672	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3674	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	B	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3675	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3676	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3677	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3678	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3678.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3680	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3681	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3682	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3683	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3684	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3685	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3686	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3687	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3688	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3689	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3690	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3691	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3692	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3693	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3694	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3695	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3696	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3697	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3698	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3699	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3700	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3701	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3702	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3703	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3704	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3704.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3705	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3706	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3707	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3708	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3709	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3710	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.04	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.05	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3712	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3713	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3715.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3717	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3722	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3723	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3723.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3724	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3725	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	H	-	H	-	-	-
WC-3726	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-
WC-3727	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	H	-	H	-	-	-
WC-3728	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	H	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3729	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	H	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3730	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3731	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3733	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3734	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3735	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3736	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3737	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3738	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3739	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3740	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3741	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3744	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3745	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3746	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3747	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3748	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3749	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3751	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3752	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3753	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3755	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3756	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3757	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3758	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3759	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760	Upper English River	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.01	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.02	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3761	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3762	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3764	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3765	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3766	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3767	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3768	Wabigoon River	3A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3769	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3770	Wabigoon River	3A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3771	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3772	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3773	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3774	Wabigoon River	3A	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3777	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3779	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3780	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.01	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.02	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3782	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3783	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3784	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3785	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3786	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3787	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3788	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3789	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3790	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3791	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3792	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3793	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3794	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3795	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3796	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3797	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3798	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3799	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3800	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3801	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3802	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3803	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3804	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3805	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3806	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3807	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3808	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3809	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3810	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3811	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3812	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3813	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3814	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	H	H	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3815	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3816	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3817	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3818	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3819	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3820	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3821	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3822	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3823	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3824	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3825	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3826	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3827	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3828	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3829	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3830	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3831	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3832	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3833	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3834	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3835	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3836	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3837	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3839	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840	Wabigoon River	3A / 3C	Y	September 1 to June 20	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3841	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3844	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3847	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3849	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3851	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3853	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3854	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3855	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3855.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3856	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3857	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3859	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3860	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3861	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3862	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3864	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3865	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3866	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3868	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3869	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3870	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3871	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3872.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3873	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3874	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3875	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3876	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3877	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3881	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3883	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884.01	Wabigoon River	4	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3885	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3886	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3887	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3888	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3891	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3892	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3894	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3897	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3898	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3899	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3901	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3902	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3903	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3905.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3906	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Brook Trout	Brown Bullhead	Brown Trout	Burbot	Carps and Minnows	Catostomus spp.	Central Mudminnow	Channel Catfish	Chinook Salmon	Chrosomus spp.	Cisco	Coaster Brook Trout	Coho Salmon	Common Carp	Common Shiner	Cottidae spp.	Creek Chub	Deepwater Sculpin (Great Lakes - Western St. Lawrence	Emerald Shiner	European flounder
WC-3907	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3909	Wabigoon River	4	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3910	Wabigoon River	4	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3911	Wabigoon River	4	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3912	Wabigoon River	4	Y	September 1 to July 15	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3913	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3915	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3916	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: " - " = not applicable; H = historic occurrence record; F = field occurrence record; B = both historic and field occurrence records,

a) Timing-window for American Eel is reflective of the migration period, not the spawning period, as American Eel spawn in the Sargasso Sea (i.e., June 1 to July 31)

b) Occurrence records for Redfin Shiner were extrapolated from the MNRFR LIO ARA record within Sandford Lake with an effective date of October 11, 2017, although this record is noted to occur outside the typical range for this species. Please refer to ARA Identification Number FF-9407-WEA for source details.

c) Historic occurrence records have been extrapolated at a desktop level based on available GIS resources and a 1km buffer was applied based on a visible hydrological connection.

References:

WSP. 2022. Waasigan Transmission Line EA Crossing List. A combination of collated data from various background resources and field data by georeferenced crossing location (see Baseline Appendix A for the details on sources used).

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose C	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-1000	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1001	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1002	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1003	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1004	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1009	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1010	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.02	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1013	Kaministiquia River	1	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1014	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1015	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1016	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018	Kaministiquia River	1	Y	April 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018.01	Kaministiquia River	1	Y	April 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1019	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1020	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.03	Kaministiquia River	1	Y	April 1 to June 15	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.04	Kaministiquia River	1	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose C	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-1022	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1023	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1024	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1025	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1026	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1027	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1028	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.02	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1030	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.04	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033.01	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1034	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1035	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1037	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1038	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-1039	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.02	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1040	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1041	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1041.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1042	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1043	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1043.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1044	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-

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WC-1045	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1046	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1046.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1047.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1048.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1049.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1050	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1051	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1052	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1053	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1054	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1055	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1055.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1056	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1057	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1058	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1059	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1060	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1061	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1062	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1064	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1065	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1066	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1067	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1068	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-1069	Rainy Headwaters	1 / 1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.01	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.02	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.03	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1070	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1071	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1072	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1073	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1074	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076.01	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1077	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078	Rainy Headwaters	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1078.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1080	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1081	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1082	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1083	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1084	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1085	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1086	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1087	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1088	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1089	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1091	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1093	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1094	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1095	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1097	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1098	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1099	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1100	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-

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WC-1101	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-1102	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-1103	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-1104	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1105	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1106	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1107	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1108	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1109	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1111	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1112	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1112.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1113.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1114.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1115	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1116	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1117	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1118	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1120.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1121	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1122	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.02	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1124	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125	Rainy Lake	1	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.02	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1126	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-1127	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-

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WC-1129	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1130	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1131	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1132	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1133	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1136	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.02	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1140	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1141	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1142	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1143	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1143.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1144	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148	Kaministiquia River	1A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.03	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1149	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1150	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1151	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1152	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose C	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-1153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1153.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1154	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1155	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1156	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1157	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1158	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1158.01	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1159	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1159.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1160	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1160.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-1161	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1162	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1163	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1164	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1164.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1165	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1166	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.03	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.04	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1170	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1172	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1175	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1176	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.02	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1178	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1179	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1180	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182.01	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1183	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1184	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1185	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1186	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1187	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1188	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191.01	Rainy Headwaters	1C	Y	September 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.01	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.02	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.03	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1193	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1194	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1195	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	H	-	-	-	-	-
WC-1196	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	H	-	-	-	-	-
WC-1197	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	H	-	-	-	-	-
WC-1198	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	H	H	H	-	-	-
WC-1199	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	H	H	H	-	-	-
WC-1200	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	H	-	-	-	-	-
WC-1200.01	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-

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WC-1200.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1201	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-1202	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-1202.01	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.03	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-1203	Rainy Lake	1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204	Rainy Lake	1C	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-1204.01	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.02	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1205	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1206	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1207	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1208	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2000	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2001	Rainy Lake	/ 1C / 2A / 2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2002	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2002.01	Rainy Lake	2A	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2003	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004.01	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2005	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2006	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.01	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.02	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008	Rainy Lake	2A / 2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.01	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.02	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.03	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2009	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2010	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2011	Rainy Lake	2A / 2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2012	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2013	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2014	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2015	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2015.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose C	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-2016	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2017	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.02	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2019	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2020	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2021	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2022	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2022.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2023	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2024	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2025	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2026	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2027	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2029	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031	Rainy Lake	2B	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2032	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2033	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2034	Rainy Lake	1C / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2035	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.02	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2040	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2041	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2042	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2043	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2044	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2045	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2046	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2047	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2049	Rainy Lake	3A	Y	October 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2050	Rainy Lake	3A	Y	October 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.01	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2052	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2053	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2053.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2054	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2055	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2056	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2058	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2059	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2061	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2062	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2063.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2064	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2065	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2066	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2066.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2067	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2068	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.04	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.05	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.06	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.07	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.08	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.09	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2072	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2073	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-2074	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2075	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-2076	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2077	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-2078	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2079	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2080	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-
WC-2081	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2084	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2086	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2087	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2087.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2089	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2090	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2091	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2092	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2093	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2094	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2095	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2096	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2097	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2098	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2099	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2101	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2102	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103.01	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2104	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2105	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	F	-
WC-2106	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	F	-
WC-2107	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	F	-
WC-2108	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	F	-
WC-2109	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	F	-
WC-2110	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2113	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2114	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2115	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2116	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2118	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2119	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2120	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2121	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2122	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2122.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2123	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.02	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2125	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2126	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2127	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2128	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2129	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-2129.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2131	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2132	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2135	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.02	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2137	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2138	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2139	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2139.01	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2140	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2141	Wabigoon River	3A / 3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2142	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2143	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2144	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2145.04	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-2145.05	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2146.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2146.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.02	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.03	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2149	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2150	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2152	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2153	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2154	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2156.01	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2157	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2157.01	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158.01	Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2159	Rainy Lake	3B / 3C	-	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2160	Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2161	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2162	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2163	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2163.01	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.02	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2165	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2166	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2167	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2168	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2169	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2170	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2171	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2172	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2173	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2174	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2175	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2176	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2176.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2177	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2178	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2179	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2181	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	H	-
WC-2182	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	H	-
WC-2183	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	H	-
WC-2184	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	H	-
WC-2185	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-2185.01	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-2186	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-2186.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.04	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-2187.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2189	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2191	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-
WC-2192	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2193	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-
WC-2193.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2194	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.03	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2197	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2198	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2198.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2199	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.02	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201	Wabigoon River	3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-2201.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2202	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2203	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2204	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2205	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2206	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2207	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2210	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2211	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2212	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2213	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2214	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2215	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2216	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217.01	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2218	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2219	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2220	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	H	-
WC-2221	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2221.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2222.01	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2222.02	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2223	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-

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WC-2224	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2225	Big Turtle River - Rainy Lake	3B	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2226.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.02	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.03	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.01	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2228	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2229	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2230	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2231	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232.01	Wabigoon River	3B	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2233	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2234	Wabigoon River	3B	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2235	Wabigoon River	3B	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2236	Wabigoon River	3B	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2237	Wabigoon River	3B	Y	October 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2237.01	Wabigoon River	3B	Y	October 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-2238	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2239	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2240	Wabigoon River	3B	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2241	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2241.01	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2242	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2243	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2243.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2244	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2245	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2246	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2247	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2248	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2249	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2250	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2251	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2251.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2252	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.02	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.03	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2254	Wabigoon River	3B	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2254.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2255	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2256	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2257	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2258	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3000	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-3001	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-3002	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-3003	North Lake Superior Shoreline	1B-1 / 1B-2	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3003.01	North Lake Superior Shoreline	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3003.02	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3004	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-3005	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3006	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3007	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-3008	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	H	-	-	-	H	H	-	H	H	H	-	-	H	H
WC-3009	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3010	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3011	North Lake Superior Shoreline	1B-1 / 1B-2	-	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3012	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3013	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3014	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3015	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3016	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3017	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3018	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3019	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3020	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3021	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3022	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3023	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3024	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3025	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3026	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3027	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3028	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3029	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3030	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3031	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3032	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3033	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3034	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3035	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3036	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3037	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3038	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3039	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3040	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3041	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3042	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3043	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3044	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3045	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3046	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3047	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3048	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3049	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3050	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3051	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3052	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3053	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3054	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3055	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3056	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3057	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3058	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3059	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3060	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3062	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3063	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3064	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3065	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3066	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3067	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3068	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3069	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3070	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3071	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3072	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3073	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3074	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3075	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3076	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3077	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3078	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3080	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3082	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3083	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3084	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3085	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3088	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089.03	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3089.04	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3090	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3091	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3093	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3094	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3095.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3097	Kaministiquia River	1	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3098	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3100	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.02	Kaministiquia River	1	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3103	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3104	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3105	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106	Kaministiquia River	1	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106.01	Kaministiquia River	1	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3107	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3108	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3109	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3110	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3112	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3113	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3114	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3115	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3116	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3117	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3120	North Lake Superior Shoreline	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3124	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3125	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3126	North Lake Superior Shoreline	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3127	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3128	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3129	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3130	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3131	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3132	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3136	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose G	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-3137	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3138	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3140	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3141	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3142	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3143	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3144	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3145	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3149	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3150	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3151	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3152	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3154	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3155	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3156	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3157	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3158	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3159	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3160	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3161	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3162	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3163	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3164	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3165	Kaministiquia River	1A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3166	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3167	Kaministiquia River	1A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3168	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3171	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3172	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3173	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3174	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3175	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3176	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3177	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3178	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3179	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3181	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3182	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3183	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3184	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3185	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3186	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3187	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3189	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3191	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3192	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3193	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3194	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3195	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3196	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3197	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3198	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.02	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3200	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3201	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3202	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3203	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-3204	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3205	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3206	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3207	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3208	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3210	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3211	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3213	Kaministiquia River	1 / 1C	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3214	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3215	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3216	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3218	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3219	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3219.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3220	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3221	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3222	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3223	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3226	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3227	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3228	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3229	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3230	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3231	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3232	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3233	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3234	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3235	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3236	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3237	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3238	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3239	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3240	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3241	Kaministiquia River	1 / 1C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242.01	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3243	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3244	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3245	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3248	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3250	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3251	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose C	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-3253	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3256	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3258	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3259	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3260	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3261	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3262	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3263	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3264	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3265	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3266	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3267	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3268	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3269	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3270	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3271	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3272	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3272.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.03	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3274	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3275	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3276	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3277	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3278	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3279	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3280	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3281	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3282	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3283	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3284	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3285	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3285.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3286	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3287	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3288	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3289	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3293	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3296	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3297	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3299	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3300	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3301	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3302	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3303	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3308	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3309	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3310	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3312	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3313	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3314	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3315	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3316	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3317	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3318	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3319	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3320.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3321	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.02	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.03	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3324	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3325	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3326	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3327	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3328	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3329	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3331	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3332	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3333	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3334	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3335	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3336	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3339	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3341	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3342	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3343	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3344	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3345	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3346	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3347	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3348	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3349	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3350	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3351	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3352	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3353	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3354	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3355	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3356	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3357	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3358	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3359	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3360	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362.01	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3363	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3365	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3366	Rainy Lake	1	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3367	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3368	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3369	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3370	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3371	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3372	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3373	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3374	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3375	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3376	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3377	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3378	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3379	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3380	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3381	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3382	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3383	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3385	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3386	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3387	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3390	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3391	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3392	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3393.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3393.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3397	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3398	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3399	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	H	-	-	-
WC-3400	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3401	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3402	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3404	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	H	-	-	-
WC-3406	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407.01	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3408	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	H	-	-	-
WC-3409	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3410	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3411	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3413	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3414	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3415	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3416	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3417	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3418	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3418.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3425	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3426	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3433	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3434	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3435	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3441	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3442	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3444	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3446	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3447	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3448	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3449	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3450	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3452	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3453	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3454	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3456	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3457	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3458	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3461	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3463	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3464	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3465	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3466	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3467	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3468	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3469	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3470	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3471	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3472	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3475	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3476	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3477	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3478	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3479	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3480	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3481	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3482	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3483	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484.01	North Lake Superior Shoreline	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3486	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3488	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3489	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3490	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3491	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3492	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3495	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3496	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3497	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3498	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3499	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3500	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3501	Rainy Lake	1C / 2C	Y	April 1 to June 15	F	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-3502	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3503	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3504	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3505	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3506	Rainy Lake	1C / 2C	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-3507	Rainy Lake	1C / 2C	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-3508	Rainy Lake	1C / 2C	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-3509	Rainy Lake	1C / 2C	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-
WC-3510	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3511	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3512	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3513	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3514	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3515	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3516	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3517	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3518	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3519	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3520	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3521	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3522	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3523	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3524	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3525	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3526	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3527	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3528	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3529	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3530	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3531	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3532	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3533	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3534	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3535	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3536	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3537	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3538	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3539	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3540	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3541	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3542	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3543	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3545	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3547	Rainy Lake	2A / 2C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3549	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3550	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3551	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3552	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3553	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3554	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3555	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3556	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3557	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3558	Rainy Lake	3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3559	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-

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WC-3560	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3561	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3562	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3563	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3564	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3565	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3566	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3567	Rainy Lake	3B / 3C	-	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3568	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3569	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3570	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3571	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3572	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3573	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3574	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3575	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3576	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3577	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3579	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3580	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3581	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3582	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3583	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3585	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3586	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3587	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3588	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3589	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3591	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-3592	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-3593	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3594	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3595	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3596	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3597	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3598	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3599	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3600	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-

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WC-3601	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-
WC-3602	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-
WC-3603	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3604	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3605	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3606	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3607	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3608	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3609	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3610	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3611	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3612	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3613	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3614	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3615	Wabigoon River	3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	H	-	-	-	H	H	H	-	-	-
WC-3616	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3618	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3620	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3621	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3622	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3623	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3624	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3625	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3626	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3628	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3629	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3630	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3633	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3635	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3636	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3637	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3638	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3640	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3641	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3642	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3644	Rainy Lake	3A	Y	October 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.01	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3646.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.03	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3647	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3648	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3649	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649.01	Rainy Lake	3A	Y	April 1 to June 20	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3650	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3651	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3652	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3653.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3654	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3655	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3656	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3657	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3658	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3659	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3660	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3663	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3672	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3674	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3675	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3676	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3677	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3678	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3678.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3680	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3681	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3682	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3683	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3684	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3685	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3686	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3687	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3688	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose C	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-3689	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3690	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3691	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3692	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3693	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3694	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3695	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3696	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3697	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3698	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3699	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3700	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3701	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3702	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3703	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3704	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3704.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3705	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3706	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3707	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3708	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3709	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.04	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.05	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3712	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3713	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3717	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3722	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3723	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3723.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-

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WC-3724	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3725	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3726	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3727	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-
WC-3728	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-
WC-3729	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	H	H	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	H	-
WC-3730	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3731	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3733	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3734	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3735	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3736	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3737	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3738	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3739	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3740	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3741	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3744	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3745	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3746	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-3747	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-	-	-	-
WC-3748	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3749	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3751	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3752	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3753	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3755	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3756	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3757	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3758	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3759	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760	Upper English River	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.01	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.02	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3761	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3762	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3764	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3765	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3766	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3767	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3768	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3769	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3770	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3771	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3772	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3773	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3774	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3777	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3779	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3780	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.01	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.02	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3782	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3783	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3784	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3785	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3786	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3787	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3788	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3789	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3790	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3791	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3792	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3793	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3794	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3795	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3796	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3797	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3798	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3799	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3800	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Fathead Minnow	Finescale Dace	Fourhorn Sculpin	Fourspine Stickleback	Freshwater Drum	Freshwater Tubenose C	Gasterosteidae spp	Gizzard Shad	Green Sunfish	Golden Shiner	Goldfish	Greater Redhorse	Hornyhead Chub	Iowa Darter	Johnny Darter	Johnny Darter x Tessell	Kiyi (Upper Great Lakes	Lake Chub	Lake Sturgeon (Great Lakes - Upper St. Lawrence River population)
WC-3801	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3802	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3803	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3804	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3805	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3806	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3807	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3808	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3809	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3810	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3811	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3812	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3813	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3814	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	H	-
WC-3815	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3816	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3817	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3818	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3819	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3820	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3821	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3822	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3823	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3824	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3825	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3826	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3827	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3828	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3829	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3830	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3831	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3832	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	F	F	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	F	-
WC-3833	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3834	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3835	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3836	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3837	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3839	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840	Wabigoon River	3A / 3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3841	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3844	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3847	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3849	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3851	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3853	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3854	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3855	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-	-	-
WC-3855.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3856	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3857	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3859	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3860	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3861	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3862	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3864	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3865	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3866	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3868	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3869	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3870	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3871	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3872.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3873	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3874	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3875	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3876	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3877	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3881	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3883	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884.01	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3885	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3886	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3887	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3888	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3891	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3892	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3894	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3897	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3898	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3899	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3901	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3902	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3903	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3905.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3906	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3907	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3909	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3910	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3911	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3912	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-	-	-
WC-3913	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3915	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3916	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: " - " = not applicable; H = historic occurrence record; F = field occurrence record; B = both historic and field occurrence records,

a) Timing-window for American Eel is reflective of the migration period, not the spawning period, as American Eel spawn in the Sargasso Sea (i.e., June 1 to July 31)

b) Occurrence records for Redfin Shiner were extrapolated from the MNRFR LIO ARA record within Sandford Lake with an effective date of October 11, 2017, although this record is noted to occur outside the typical range for this species. Please refer to ARA Identification Number FF-9407-WEA for source details.

c) Historic occurrence records have been extrapolated at a desktop level based on available GIS resources and a 1km buffer was applied based on a visible hydrological connection.

References:

WSP. 2022. Waasigan Transmission Line EA Crossing List. A combination of collated data from various background resources and field data by georeferenced crossing location (see Baseline Appendix A for the details on sources used).

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-1000	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1001	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1002	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1003	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1004	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1009	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1010	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1011	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1011.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.02	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1012.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1013	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	-	H	-
WC-1014	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	H	H	-
WC-1015	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1016	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H
WC-1018.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H
WC-1018.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1019	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1020	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-1021.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.03	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-1021.04	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-1022	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1023	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1024	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1025	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1026	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1027	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1028	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.02	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1030	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-1031.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1032.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.04	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033.01	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1034	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1035	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1036	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1036.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1037	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1038	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1039	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.02	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1040	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1041	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1041.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1042	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1043	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1043.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1044	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-1045	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1046	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1046.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1047.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1048.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1049.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1050	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1051	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1052	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	H	-	-	-	H	-	-
WC-1053	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1054	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1055	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	-	-	H	-	-
WC-1055.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1056	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1057	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1058	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1059	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-1060	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1061	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1062	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1064	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1065	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1066	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1067	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1068	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069	Rainy Headwaters	1 / 1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.01	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.02	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.03	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1070	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1071	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1072	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1073	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-1074	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-1075.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076.01	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1077	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078	Rainy Headwaters	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1078.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1080	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1081	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-1082	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-1083	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-1084	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1085	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1086	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1087	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1088	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1089	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1091	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1093	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1094	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1095	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	B	-	-
WC-1096	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1096.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1097	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1098	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1099	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1100	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	-	-	-	-	H	-	-

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WC-1101	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	-	-	-	-	H	-	-
WC-1102	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	-	-	-	-	H	-	-
WC-1103	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	-	-	-	-	H	-	-
WC-1104	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1105	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1106	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1107	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1108	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1109	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-1110	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1110.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1111	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-1112	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-1112.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-1113.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-1114.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1115	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-1116	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-1117	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1118	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-1120.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1121	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1122	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1123	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1123.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.02	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1124	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.02	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1126	Rainy Lake	1	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1127	Rainy Lake	1	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-1129	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1130	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1131	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1132	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1133	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1136	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.02	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1138	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1138.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1140	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1141	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1142	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1143	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1143.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1144	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1145	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1145.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1146.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1148.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1148.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.03	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1149	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1150	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1151	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1152	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-1153.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1154	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1155	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1156	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1157	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1158	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1158.01	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1159	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1159.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1160	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1160.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-1161	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1162	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1163	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1164	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1164.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1165	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1166	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H	H	-
WC-1167.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.03	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.04	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1168.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1170	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1171	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-1171.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1172	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1175	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-1176	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.02	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1177	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1178	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1179	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1180	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182.01	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1183	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1184	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1185	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1186	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1187	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1188	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1190.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1191.01	Rainy Headwaters	1C	Y	September 1 to June 30	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192	Rainy Headwaters	1C	Y	September 1 to July 15	H	H	H	-	-	-	-	-	-	-	-	H	-	H	-	H	-	-
WC-1192.01	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.02	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.03	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1193	Rainy Headwaters	1C	Y	September 1 to July 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1194	Rainy Headwaters	1C	Y	September 1 to July 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-1195	Rainy Headwaters	1C	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1196	Rainy Headwaters	1C	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1197	Rainy Headwaters	1C	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1198	Rainy Headwaters	1C	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1199	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1200	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1200.01	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

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WC-1200.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1201	Rainy Lake	1C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1202	Rainy Lake	1C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1202.01	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.03	Rainy Lake	1C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1203	Rainy Lake	1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-1204	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-1204.01	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.02	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1205	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1206	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-1207	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1208	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2000	Rainy Lake	2A	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-2001	Rainy Lake	/ 1C / 2A / 2	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-2002	Rainy Lake	2A	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-2002.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2003	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004.01	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2005	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2006	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.01	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.02	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008	Rainy Lake	2A / 2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2008.01	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.02	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.03	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2009	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2010	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2011	Rainy Lake	2A / 2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2012	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2013	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2014	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2015	Rainy Lake	2B	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-2015.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-

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WC-2016	Rainy Lake	2B	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-2017	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2017.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F	-
WC-2017.02	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018	Rainy Lake	2B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2018.01	Rainy Lake	2B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2019	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2020	Rainy Lake	2B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-
WC-2021	Rainy Lake	2B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-
WC-2022	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-
WC-2022.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2023	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2024	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2025	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2026	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2027	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2029	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2030	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2030.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-2031.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2032	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-2033	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-2034	Rainy Lake	1C / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2035	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2036	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2036.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.02	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2039.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2040	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2041	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-2042	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2043	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2044	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2045	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2046	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2047	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2048	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2049	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2050	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2051	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2051.01	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2052	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2053	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2053.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2054	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2055	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2056	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2058	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-2059	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2060.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2061	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2062	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-2063.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2064	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-2065	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-2066	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-2066.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2067	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2068	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2069.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.04	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.05	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.06	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.07	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.08	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.09	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-2071	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-2071.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2072	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-2073	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2074	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2075	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2076.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2077	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-2078	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2079	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2080	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-2081	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083	Upper English River	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-2083.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2084	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2086	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2087	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2087.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088	Wabigoon River	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2088.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2089	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2090	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2091	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2092	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2093	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2094	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2095	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2096	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2097	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2098	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2099	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2101	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2102	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103.01	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2104	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2105	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-2106	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-2107	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-2108	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-2109	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-
WC-2110	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2113	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2114	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2115	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2116	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2118	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2119	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2120	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2121	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-2122	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2122.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2123	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.02	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2125	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2126	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2127	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2128	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2129	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-2129.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2131	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2132	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2135	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.02	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2137	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2138	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2139	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2139.01	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2140	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2141	Wabigoon River	3A / 3B / 3C	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2142	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2143	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2144	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2145.04	Wabigoon River	4	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-2145.05	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2146.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2146.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.02	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.03	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2149	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2150	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2152	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2153	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2154	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2156.01	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2157	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2157.01	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158.01	Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2159	Rainy Lake	3B / 3C	-	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2160	Rainy Lake	3B / 3C	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2161	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2162	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-2163	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-2163.01	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.02	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2165	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2166	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2167	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2168	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2169	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2170	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2171	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2172	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2173	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2174	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-2175	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-2176	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-2176.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2177	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2178	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2179	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2181	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	H	-	-	-	H	H	-
WC-2182	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	H	-	-	-	H	H	-
WC-2183	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	H	-	-	-	H	H	-
WC-2184	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	H	-	-	-	H	H	-
WC-2185	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2185.01	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2186	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2186.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.04	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2187.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2188.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2189	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2191	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2192	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2193	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2193.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2194	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.03	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2197	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2198	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2198.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2199	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.02	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201	Wabigoon River	3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-
WC-2201.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2202	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2203	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2204	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2205	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-2206	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-2207	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2208	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2208.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2210	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-2211	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2212	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2213	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2214	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2215	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2216	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2217	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2217.01	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2218	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2219	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2220	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	H	-	-	-	H	H	-
WC-2221	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2221.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2222.01	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2222.02	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2223	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-2224	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2225	Big Turtle River - Rainy Lake	3B	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2226.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.02	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	F	-
WC-2226.03	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.01	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2228	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2229	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2230	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2231	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232.01	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2233	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2234	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-2235	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-2236	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-2237	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-2237.01	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-2238	Wabigoon River	3B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2239	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2240	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	-	H	H
WC-2241	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-2241.01	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2242	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2243	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2243.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2244	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2245	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2246	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2247	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2248	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2249	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2250	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2251	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2251.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2252	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2253.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.02	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.03	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2254	Wabigoon River	3B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-2254.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2255	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2256	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2257	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2258	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3000	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-3001	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-3002	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-3003	North Lake Superior Shoreline	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3003.01	North Lake Superior Shoreline	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3003.02	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3004	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-3005	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3006	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3007	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-3008	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	H	H	H	-	H	H	H	-	H	-	H	H	H	H	H	H	H
WC-3009	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3010	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3011	North Lake Superior Shoreline	1B-1 / 1B-2	-	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3012	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3013	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3014	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3015	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3016	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3017	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3018	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3019	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3020	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3021	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3022	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3023	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3024	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3025	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3026	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3027	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3028	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3029	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3030	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3031	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3032	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3033	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3034	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3035	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3036	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3037	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3038	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3039	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3040	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3041	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3042	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3043	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3044	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3045	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3046	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3047	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3048	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3049	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3050	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3051	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3052	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3053	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3054	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3055	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3056	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3057	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3058	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3059	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3060	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3062	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3063	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3064	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3065	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3066	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3067	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3068	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3069	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3070	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3071	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3072	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3073	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3074	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3075	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3076	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3077	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3078	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3080	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3082	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3083	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3084	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3085	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3088	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3089	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3089.03	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3089.04	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3090	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3091	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3093	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3094	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3095	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3095.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3097	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H	H	H	-
WC-3098	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3099.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3100	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3101.02	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	H	H
WC-3103	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3104	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3105	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	H
WC-3106.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	H	H
WC-3107	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3108	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3109	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3110	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3112	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3113	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3114	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3115	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3116	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3117	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3120	North Lake Superior Shoreline	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3124	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3125	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3126	North Lake Superior Shoreline	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3127	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3128	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3129	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3130	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3131	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3132	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3136	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3137	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3138	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3140	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3141	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3142	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3143	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3144	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3145	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3149	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3150	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3151	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3152	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3154	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3155	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3156	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3157	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3158	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3159	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3160	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3161	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3162	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3163	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3164	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3165	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3166	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3167	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3168	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3171	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3172	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3173	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3174	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3175	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3176	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3177	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-3178	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3179	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3181	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3182	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-3183	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3184	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3185	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3186	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3187	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3189	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3191	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3192	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3193	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3194	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3195	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3196	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3197	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3198	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.02	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3200	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3201	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3202	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3203	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3204	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3205	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3206	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3207	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3208	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3210	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3211	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3213	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-3214	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-3215	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3216	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3218	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3219	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3219.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3220	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3221	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3222	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3223	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3226	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3227	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3228	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3229	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3230	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3231	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3232	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3233	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3234	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3235	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3236	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3237	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3238	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3239	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3240	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3241	Kaministiquia River	1 / 1C	Y	September 1 to June 20	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242.01	Kaministiquia River	1	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3243	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3244	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3245	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	-	-	H	-	-
WC-3248	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-3250	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3251	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3253	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3256	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3258	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3259	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3260	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3261	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3262	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3263	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3264	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3265	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3266	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3267	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-3268	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-3269	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3270	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3271	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3272	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-
WC-3272.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.03	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3274	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3275	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3276	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-3277	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3278	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3279	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3280	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3281	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3282	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-
WC-3283	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3284	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3285	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3285.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3286	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3287	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3288	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3289	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3293	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3296	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3297	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3299	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3300	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3301	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3302	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3303	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3308	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3309	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3310	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3312	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3313	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3314	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3315	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3316	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3317	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3318	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3319	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3320.01	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3321	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3322.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3322.02	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.03	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3323.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3324	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3325	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3326	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3327	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3328	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3329	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3331	Rainy Headwaters	1C	Y	September 1 to July 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3332	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3333	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3334	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3335	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3336	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3339	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3341	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3342	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3343	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3344	Rainy Lake	1C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3345	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3346	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3347	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3348	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3349	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3350	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3351	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3352	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3353	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3354	Rainy Lake	1	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3355	Rainy Lake	1	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3356	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3357	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3358	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3359	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3360	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362.01	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3363	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3365	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3366	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-
WC-3367	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3368	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3369	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3370	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3371	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3372	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

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WC-3373	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3374	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3375	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3376	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3377	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3378	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3379	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3380	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3381	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3382	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3383	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3385	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3386	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3387	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3390	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3391	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3392	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3393.01	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3393.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3397	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3398	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3399	Rainy Headwaters	1	Y	September 1 to July 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3400	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3401	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3402	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3404	Rainy Headwaters	1	Y	September 1 to July 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3406	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3407	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407.01	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3408	Rainy Headwaters	1	Y	September 1 to July 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3409	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3410	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3411	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3413	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3414	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3415	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3416	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3417	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3418	Rainy Headwaters	1	Y	September 1 to July 15	-	H	H	-	-	H	H	-	-	H	-	-	-	-	-	H	-	-
WC-3418.01	Rainy Headwaters	1	Y	September 1 to July 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3425	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3426	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3433	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3434	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3435	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3441	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3442	Rainy Lake	2B	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3444	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-
WC-3446	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3447	Rainy Lake	2B	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3448	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3449	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3450	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3452	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3453	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3454	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3456	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3457	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3458	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3461	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3463	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3464	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3465	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3466	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3467	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3468	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3469	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3470	Rainy Lake	2A	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3471	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3472	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3475	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3476	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3477	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3478	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3479	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3480	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3481	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3482	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3483	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3484	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484.01	North Lake Superior Shoreline	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3486	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3488	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3489	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3490	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3491	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3492	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3495	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3496	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3497	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	H	-	-	H	H	-	-	-	-	-	-	-	-	H	-	-
WC-3498	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3499	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3500	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3501	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3502	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3503	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3504	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3505	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3506	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3507	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3508	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3509	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3510	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3511	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3512	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3513	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3514	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3515	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3516	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3517	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3518	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3519	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3520	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3521	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3522	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3523	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3524	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3525	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3526	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3527	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3528	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3529	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3530	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3531	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3532	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3533	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3534	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3535	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3536	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3537	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3538	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3539	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3540	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3541	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3542	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3543	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3545	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3547	Rainy Lake	2A / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3549	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3550	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3551	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3552	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3553	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3554	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3555	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3556	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3557	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3558	Rainy Lake	3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3559	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

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WC-3560	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3561	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3562	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3563	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3564	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3565	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3566	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3567	Rainy Lake	3B / 3C	-	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3568	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3569	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3570	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3571	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3572	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3573	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3574	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3575	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3576	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3577	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3579	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3580	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3581	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3582	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3583	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	H	H	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-
WC-3585	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3586	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3587	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3588	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3589	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3591	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3592	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3593	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3594	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3595	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3596	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3597	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3598	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3599	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3600	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

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WC-3601	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3602	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3603	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3604	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3605	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3606	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3607	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3608	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3609	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3610	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3611	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3612	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3613	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3614	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3615	Wabigoon River	3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	-	-	H	-	-	-	H	-	-
WC-3616	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3618	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3620	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3621	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3622	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3623	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3624	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3625	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3626	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3628	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3629	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3630	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3633	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3635	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3636	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3637	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3638	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3640	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3641	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3642	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3644	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3646	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3646.01	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-3646.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.03	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3647	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3648	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3649	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649.01	Rainy Lake	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3650	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3651	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3652	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3653.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3654	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3655	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3656	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3657	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3658	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3659	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3660	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3663	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3665.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3665.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3672	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3674	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3675	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3676	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3677	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3678	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3678.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3680	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3681	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3682	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3683	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3684	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3685	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3686	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3687	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-
WC-3688	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	H	-

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WC-3689	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3690	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3691	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3692	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3693	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3694	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3695	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3696	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3697	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3698	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3699	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3700	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3701	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3702	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3703	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3704	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3704.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3705	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	H	-	-	-	-	-	-	-	H	-	H	H	-
WC-3706	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3707	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3708	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3709	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3710	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.04	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.05	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3712	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3713	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3715.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3717	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	H	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3722	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3723	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3723.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H

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WC-3724	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3725	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-3726	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	H	-	-	H	-	-	-	-	-	H	-	H
WC-3727	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-3728	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-3729	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-3730	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3731	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3733	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3734	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3735	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3736	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3737	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3738	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3739	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3740	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3741	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3744	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3745	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3746	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-3747	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-3748	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3749	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3750	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	-
WC-3751	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	H
WC-3752	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	H	-	H
WC-3753	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3755	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3756	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3757	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3758	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3759	Upper English River	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	H
WC-3760	Upper English River	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3760.01	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.02	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-3761	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3762	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3764	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3765	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3766	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3767	Upper English River	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3768	Wabigoon River	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H
WC-3769	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3770	Wabigoon River	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3771	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3772	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3773	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3774	Wabigoon River	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3777	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3779	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3780	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3781	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3781.01	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.02	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3782	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3783	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3784	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3785	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3786	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3787	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3788	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3789	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3790	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3791	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3792	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3793	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3794	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3795	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3796	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3797	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3798	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3799	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3800	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

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WC-3801	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3802	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3803	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3804	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3805	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3806	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3807	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3808	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3809	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3810	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3811	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-3812	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-3813	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-3814	Wabigoon River	3B	Y	September 1 to June 15	-	H	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H	H
WC-3815	Wabigoon River	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3816	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3817	Wabigoon River	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3818	Wabigoon River	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3819	Wabigoon River	3B	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3820	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3821	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3822	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3823	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3824	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3825	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3826	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3827	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3828	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3829	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3830	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3831	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3832	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	F	-
WC-3833	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3834	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3835	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3836	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3837	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3839	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840	Wabigoon River	3A / 3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3840.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3841	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3844	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3847	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3849	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-3851	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-3853	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-3854	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-3855	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	H	-	-	-	-	-	-	H	-	-	H	H	-	H	-	-
WC-3855.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3856	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3857	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3859	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3860	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3861	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3862	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3864	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3865	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3866	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3868	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3869	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3870	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3871	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-3872.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3873	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3874	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3875	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3876	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3877	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3881	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3883	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884.01	Wabigoon River	4	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3885	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3886	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3887	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3888	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3891	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3892	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3894	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3897	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3898	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3899	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3901	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3902	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3903	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3905.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3906	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Lake Sturgeon (Saskatchewan - Nelson River population)	Lake Trout	Lake Whitefish	Largemouth Bass	Least Darter	Logperch	Longnose Dace	Longnose Sucker	Leuciscidae spp.	Mimic Shiner	Mooneye	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lampre	Northern Pike	Northern Redbelly Dace	Northern Pearl Dace
WC-3907	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3909	Wabigoon River	4	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3910	Wabigoon River	4	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3911	Wabigoon River	4	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3912	Wabigoon River	4	Y	September 1 to July 15	-	H	H	-	-	-	-	-	-	H	-	H	-	-	-	H	-	-
WC-3913	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3915	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3916	Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-

Notes: " - " = not applicable; H = historic occurrence record; F = field occurrence record; B = both historic and field occurrence records,

a) Timing-window for American Eel is reflective of the migration period, not the spawning period, as American Eel spawn in the Sargasso Sea (i.e., June 1 to July 31)

b) Occurrence records for Redfin Shiner were extrapolated from the MNRFR LIO ARA record within Sandford Lake with an effective date of October 11, 2017, although this record is noted to occur outside the typical range for this species. Please refer to ARA Identification Number FF-9407-WEA for source details.

c) Historic occurrence records have been extrapolated at a desktop level based on available GIS resources and a 1km buffer was applied based on a visible hydrological connection.

References:

WSP. 2022. Waasigan Transmission Line EA Crossing List. A combination of collated data from various background resources and field data by georeferenced crossing location (see Baseline Appendix A for the details on sources used).

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-1000	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1001	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1002	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1003	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1004	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1009	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1010	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1011	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.02	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1013	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1014	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1015	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1016	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1019	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1020	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.03	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.04	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-1022	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1023	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1024	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1025	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1026	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1027	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1028	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.02	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1030	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-
WC-1032.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.04	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033.01	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1034	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1035	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1036.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1037	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1038	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.02	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1040	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1041	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1041.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1042	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1044	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1045	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1046	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1046.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1050	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1051	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1052	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1053	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1054	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1055	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1055.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1056	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1057	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1058	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1059	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1060	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1061	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1062	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1064	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1065	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1066	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1067	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1068	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069	Rainy Headwaters	1 / 1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.01	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.02	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.03	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1071	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-1072	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1073	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1074	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076.01	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1077	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078	Rainy Headwaters	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1080	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1081	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1082	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1083	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1084	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1085	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1086	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1087	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1088	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1089	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1091	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1093	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1094	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1095	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1096.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1097	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1098	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1099	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1100	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-1101	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1102	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1103	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1104	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1105	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1106	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1107	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1108	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1109	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1111	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1112	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1112.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1115	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1116	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1117	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1118	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1121	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1122	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.02	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1124	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.02	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1126	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1127	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1129	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1130	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1131	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1132	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1133	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1136	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.02	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1140	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1141	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1142	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1143	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1143.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1144	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1145	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1145.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.03	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1149	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1150	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1151	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1152	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1153.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1154	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1155	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1156	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1157	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1158	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1158.01	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1159	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1159.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1160	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1160.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-1161	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1162	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1163	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1164	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1164.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1165	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1166	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 20	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1167.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.03	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.04	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1170	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1172	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-1173	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1175	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1176	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.02	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1178	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1179	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1180	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182.01	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1183	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1184	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1185	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1186	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1187	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1188	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	H	H	-	-	-	-	H	-	-	-	-	-
WC-1190.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1191.01	Rainy Headwaters	1C	Y	September 1 to June 30	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1192	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-1192.01	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.02	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.03	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1193	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1194	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1195	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1196	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1197	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1198	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1199	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1200	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1200.01	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1200.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1201	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.01	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.03	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1203	Rainy Lake	1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.01	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.02	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1205	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1206	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1207	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1208	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2000	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2001	Rainy Lake	/ 1C / 2A / 2	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2002	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2002.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2003	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004.01	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2005	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2006	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.01	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.02	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008	Rainy Lake	2A / 2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-2008.01	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.02	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.03	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2009	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2010	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2011	Rainy Lake	2A / 2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2012	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2013	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2014	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2015	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2015.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2016	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.02	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2019	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2020	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2021	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2022	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2022.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2023	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2024	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2025	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2026	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2027	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2029	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2030.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2032	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2033	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2034	Rainy Lake	1C / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2035	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2036.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.02	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2040	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2041	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2042	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2043	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2044	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2045	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2046	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2047	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2049	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2050	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.01	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2052	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2054	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2055	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2056	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2058	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2061	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2062	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2064	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2065	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2067	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2068	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.04	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.05	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.06	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.07	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.08	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.09	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2072	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2073	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2074	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2075	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2077	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2078	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2079	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2080	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2081	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2084	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2086	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2087	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2087.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-2088.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2089	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2090	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2091	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2092	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2093	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2094	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2095	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2096	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2097	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2098	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2099	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2101	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2102	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103.01	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2104	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2105	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2106	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2107	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2108	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2109	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2110	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2113	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2114	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2115	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2116	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2118	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2119	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2120	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2121	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-2122	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2122.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2123	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.02	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2125	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2126	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2127	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2128	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2129	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-2129.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2131	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2132	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2135	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.02	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2137	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2138	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2139	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2139.01	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2140	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2141	Wabigoon River	3A / 3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2142	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2143	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2144	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2145.04	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2145.05	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2146.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2146.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.02	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.03	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2149	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2150	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2152	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2153	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2154	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2156.01	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2157	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2157.01	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158.01	Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2159	Rainy Lake	3B / 3C	-	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2160	Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2161	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2162	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2163	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2163.01	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.02	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2165	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2166	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2167	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2168	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2169	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2170	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2171	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2172	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2173	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2174	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2175	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2176	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2176.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2177	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2178	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2179	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2181	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2182	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2183	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2184	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2185	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-
WC-2185.01	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-
WC-2186	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-
WC-2186.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.04	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2189	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2191	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2192	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2193	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2193.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2194	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.03	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2197	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2198	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2198.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2199	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.02	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2201.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2202	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2203	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2204	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2205	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2206	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2207	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2210	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2211	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2212	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2213	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2214	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2215	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2216	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217.01	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2218	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2219	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2220	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2221	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2221.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222.01	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222.02	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2223	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2224	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225	Big Turtle River - Rainy Lake	3B	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.02	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.03	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.01	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2228	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2229	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2230	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2231	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232.01	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2233	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2234	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2235	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2236	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2237	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2237.01	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2238	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2239	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2240	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-2241	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2241.01	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2242	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2243	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2243.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2244	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2245	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2246	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2247	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2248	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2249	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2250	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2251	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2251.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2252	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.02	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.03	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2254	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-2254.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2255	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2256	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2257	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2258	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3000	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-3001	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-3002	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-3003	North Lake Superior Shoreline	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3003.01	North Lake Superior Shoreline	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3003.02	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3004	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-3005	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3006	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3007	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-3008	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	-	-	H	-	H	-	-	H	H	-	-	-	-	H	H	H	H	-	-
WC-3009	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3010	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3011	North Lake Superior Shoreline	1B-1 / 1B-2	-	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3012	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3013	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3014	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3015	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3016	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3017	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3018	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3019	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3020	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3021	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3022	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3023	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3024	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3025	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3026	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3027	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3028	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3029	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3030	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3031	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3032	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3033	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3034	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3035	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3036	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3037	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3038	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3039	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3040	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3041	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3042	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3043	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3044	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3045	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3046	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3047	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3048	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3049	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3050	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3051	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3052	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3053	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3054	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3055	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3056	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3057	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3058	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3059	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3060	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3062	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3063	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3064	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-
WC-3065	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3066	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-
WC-3067	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3068	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3069	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3070	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3071	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3072	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3073	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3074	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3075	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3076	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3077	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3078	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3080	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3082	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3083	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3084	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3085	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3088	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3089	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3089.03	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3089.04	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3090	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3091	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3093	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3094	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-3095.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3097	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	H
WC-3098	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3100	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.02	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3103	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3104	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3105	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3107	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3108	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3109	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3110	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3112	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3113	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3114	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3115	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3116	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3117	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3120	North Lake Superior Shoreline	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3124	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3125	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3126	North Lake Superior Shoreline	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3127	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3128	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3129	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3130	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3131	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3132	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3136	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-3137	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3138	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3140	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3141	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3142	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3143	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3144	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3145	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3149	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3150	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3151	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3152	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3154	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3155	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3156	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3157	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3158	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3159	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3160	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3161	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3162	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3163	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3164	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3165	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3166	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3167	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3168	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3171	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3172	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3173	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3174	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3175	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3176	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3177	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-3178	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3179	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3181	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3182	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3183	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3184	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3185	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3186	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3187	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3189	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3191	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3192	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3193	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3194	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3195	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3196	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3197	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3198	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.02	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3200	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3201	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3202	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3203	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3204	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3205	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3206	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3207	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3208	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3210	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3211	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3213	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3214	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3215	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3216	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3218	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3219	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3219.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3220	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3221	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3222	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3223	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3226	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3227	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3228	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3229	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3230	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3231	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3232	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3233	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3234	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3235	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3236	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3237	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3238	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3239	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3240	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3241	Kaministiquia River	1 / 1C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242.01	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3243	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3244	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3245	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3248	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3250	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3251	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-3253	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3256	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3258	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3259	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3260	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3261	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3262	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3263	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3264	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3265	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3266	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3267	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3268	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3269	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3270	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3271	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3272	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3272.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.03	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3274	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3275	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3276	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3277	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3278	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3279	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3280	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3281	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3282	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3283	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3284	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3285	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-3285.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3286	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3287	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3288	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3289	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3293	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3296	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3297	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3299	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3300	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3301	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3302	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3303	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3308	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3309	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3310	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3312	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3313	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3314	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3315	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3316	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3317	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3318	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3319	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3320.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3321	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.02	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.03	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3324	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	H	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-3325	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3326	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3327	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3328	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3329	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3331	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-3332	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3333	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3334	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3335	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3336	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3339	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3341	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3342	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3343	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3344	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3345	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3346	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3347	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3348	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3349	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3350	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3351	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3352	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3353	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3354	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3355	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3356	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3357	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3358	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3359	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3360	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362.01	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3363	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3365	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3366	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3367	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3368	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3369	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3370	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3371	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3372	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3373	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3374	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3375	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3376	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3377	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3378	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3379	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3380	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3381	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3382	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3383	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3385	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3386	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3387	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3390	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3391	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3392	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3397	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3398	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3399	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3400	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3401	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3402	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3404	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3406	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407.01	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3408	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3409	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3410	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3411	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3413	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3414	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3415	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3416	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3417	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3418	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-3418.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-
WC-3425	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3426	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3433	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3434	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3435	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3441	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3442	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3444	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3446	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3447	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3448	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3449	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3450	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3452	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3453	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3454	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3456	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3457	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3458	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3461	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3463	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3464	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3465	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3466	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3467	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3468	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3469	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3470	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3471	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3472	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3475	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3476	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3477	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3478	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3479	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3480	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3481	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3482	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3483	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484.01	North Lake Superior Shoreline	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3486	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3488	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3489	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3490	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3491	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3492	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3495	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3496	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3497	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3498	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3499	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3500	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3501	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3502	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3503	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3504	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3505	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3506	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3507	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3508	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3509	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3510	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3511	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3512	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3513	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3514	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3515	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3516	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3517	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3518	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3519	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3520	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-3521	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3522	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3523	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3524	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3525	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3526	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3527	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3528	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3529	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3530	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3531	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3532	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3533	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3534	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3535	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3536	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3537	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3538	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3539	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3540	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3541	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3542	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3543	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3545	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3547	Rainy Lake	2A / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3549	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3550	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3551	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3552	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3553	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3554	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3555	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3556	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3557	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3558	Rainy Lake	3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3559	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3560	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3561	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3562	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3563	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3564	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3565	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3566	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3567	Rainy Lake	3B / 3C	-	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3568	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3569	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3570	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3571	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3572	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3573	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3574	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3575	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3576	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3577	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3579	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3580	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3581	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3582	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3583	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3585	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3586	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3587	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3588	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3589	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3591	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3592	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3593	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3594	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3595	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3596	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3597	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3598	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3599	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3600	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3601	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3602	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3603	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3604	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3605	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3606	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3607	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3608	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3609	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3610	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3611	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3612	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3613	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3614	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3615	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3616	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3618	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3620	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3621	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3622	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3623	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3624	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3625	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3626	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3628	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3629	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3630	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3633	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3635	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3636	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3637	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3638	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3640	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3641	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3642	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3644	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.01	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3646.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.03	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3647	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3648	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649.01	Rainy Lake	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3650	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3651	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3652	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3654	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3655	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3656	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3657	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3658	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3659	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3660	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3663	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3672	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3674	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3675	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3676	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3677	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3678	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3678.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3680	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3681	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3682	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3683	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3684	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3685	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3686	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3687	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3688	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3689	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3690	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3691	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3692	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3693	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3694	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3695	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3696	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3697	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3698	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3699	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3700	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3701	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3702	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3703	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3704	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3704.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3705	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3706	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3707	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3708	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3709	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.04	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.05	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3712	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3713	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3717	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3722	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3723	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3723.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3724	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3725	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3726	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3727	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3728	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3729	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3730	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3731	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3733	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3734	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3735	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3736	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3737	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3738	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3739	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3740	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3741	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3744	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3745	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3746	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3747	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3748	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3749	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3751	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3752	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3753	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3755	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3756	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3757	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3758	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3759	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760	Upper English River	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.01	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.02	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3761	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3762	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3764	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3765	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3766	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3767	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3768	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3769	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3770	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3771	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3772	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3773	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3774	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-
WC-3777	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3779	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3780	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.01	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.02	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3782	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3783	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3784	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3785	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3786	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3787	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3788	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3789	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3790	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3791	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3792	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3793	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3794	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3795	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3796	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3797	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3798	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3799	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3800	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-3801	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3802	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3803	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3804	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3805	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3806	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3807	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3808	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3809	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3810	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3811	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3812	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3813	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3814	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3815	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3816	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3817	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3818	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3819	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3820	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3821	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3822	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3823	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3824	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3825	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3826	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3827	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3828	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3829	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3830	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3831	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3832	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3833	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3834	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3835	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3836	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3837	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3839	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840	Wabigoon River	3A / 3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3841	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3844	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3847	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3849	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-3851	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-3853	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-3854	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-3855	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	-	-	-	-	-	H	-	-	-	-	-	-	H	-	-	-	-	-
WC-3855.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3856	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3857	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3859	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3860	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3861	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3862	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3864	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3865	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3866	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3868	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3869	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3870	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3871	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3872.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3873	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3874	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3875	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3876	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3877	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3881	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3883	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884.01	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3885	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3886	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3887	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3888	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3891	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3892	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3894	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3897	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3898	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3899	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3901	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3902	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3903	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3905.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3906	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Northern Sunfish (Nelson River population)	Percidae spp.	Pink Salmon	Pugnose Shiner	Pumpkinseed	Pygmy Whitefish	Quillback	Rainbow Smelt	Rainbow Trout	Redfin Shiner [b]	Rhinichthys spp.	River Chub	River Darter (Saskatchewan - Nelson River	Rock Bass	Rosyface Shiner	Round Goby	Round Whitefish	Ruffe	Salmoninae spp.
WC-3907	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3909	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3910	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3911	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3912	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3913	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3915	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3916	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: " - " = not applicable; H = historic occurrence record; F = field occurrence record; B = both historic and field occurrence records,

a) Timing-window for American Eel is reflective of the migration period, not the spawning period, as American Eel spawn in the Sargasso Sea (i.e., June 1 to July 31)

b) Occurrence records for Redfin Shiner were extrapolated from the MNRFR LIO ARA record within Sandford Lake with an effective date of October 11, 2017, although this record is noted to occur outside the typical range for this species. Please refer to ARA Identification Number FF-9407-WEA for source details.

c) Historic occurrence records have been extrapolated at a desktop level based on available GIS resources and a 1km buffer was applied based on a visible hydrological connection.

References:

WSP. 2022. Waasigan Transmission Line EA Crossing List. A combination of collated data from various background resources and field data by georeferenced crossing location (see Baseline Appendix A for the details on sources used).

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-1000	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1001	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1002	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1003	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1004	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1005.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1006.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1007.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1008.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1009	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1010	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1011	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1011.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1011.02	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1012.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1013	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1014	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1015	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1016	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1017.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1018.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1018.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1019	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1020	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.03	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1021.04	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-1022	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1023	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1024	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1025	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1026	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1027	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1028	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1029.02	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1030	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1031.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1032.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1032.04	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1033.01	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1034	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1035	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1036	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1036.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1037	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1038	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.02	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1039.03	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1040	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1041	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1041.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1042	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1043	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1043.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1043.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1044	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-1045	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1046	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1046.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1047	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1047.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1048	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-1048.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1049	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-1049.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1050	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1051	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1052	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	-	-	H
WC-1053	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1054	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1055	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-1055.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1056	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-1057	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-1058	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1059	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1060	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1061	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1062	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1063.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1064	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1065	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1066	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1067	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1068	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069	Rainy Headwaters	1 / 1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.01	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.02	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1069.03	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-1070	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1070.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1071	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-1072	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1072.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1073	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1074	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1075.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1076.01	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1077	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1078	Rainy Headwaters	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1078.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1079.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1080	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1081	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1082	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1083	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1084	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1085	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1086	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1087	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1088	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1089	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1090.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1091	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1092.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1093	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1094	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1095	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1096	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1096.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1097	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1098	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1099	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1100	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	-

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WC-1101	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	-
WC-1102	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	-
WC-1103	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	-
WC-1104	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1105	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1106	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1107	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1108	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1109	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1110	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1110.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1111	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1112	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1112.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1113	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1113.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1114.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1114.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1115	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1116	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1117	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1118	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1119.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1120	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1120.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1121	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1122	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1123	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1123.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1123.02	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1124	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.01	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1125.02	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1126	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-1127	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H

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WC-1129	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1130	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1131	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1132	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1133	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1134.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1135.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1136	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1137.02	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1138.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-1140	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-1141	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-1142	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-1143	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-1143.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1144	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1145.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1146.01	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1146.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1148.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1148.02	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1148.03	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1149	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1150	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1151	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1152	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-1153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1153.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1154	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1155	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1156	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1157	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1158	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1158.01	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1159	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1159.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1160	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1160.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-1161	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1162	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1163	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1164	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1164.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1165	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1166	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	H	-	H	-	-	-	-	-	-	-	-	-
WC-1167	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1167.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.03	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1167.04	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1168	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1168.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1169.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1170	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1171	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-1171.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1171.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1172	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1173.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1174.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1175	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-1176	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1176.02	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1177.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1178	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1179	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1180	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1181.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1182.01	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1183	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1184	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1185	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1186	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1187	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1188	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1189.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1190	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1190.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1191	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1191.01	Rainy Headwaters	1C	Y	September 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1192.01	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.02	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1192.03	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1193	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	-	-	-
WC-1194	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	-	-	-
WC-1195	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	-	-	-
WC-1196	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	-	-	-
WC-1197	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	-	-	-
WC-1198	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	H	-	-
WC-1199	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	-
WC-1200	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	-	-	-
WC-1200.01	Rainy Headwaters	1C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-

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WC-1200.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1201	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-1202	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1202.01	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.02	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1202.03	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-1203	Rainy Lake	1C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.01	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1204.02	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1205	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1206	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-1207	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-1208	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2000	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-2001	Rainy Lake	/ 1C / 2A / 2	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-2002	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2002.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2003	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2004.01	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2005	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2006	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.01	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2007.02	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008	Rainy Lake	2A / 2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2008.01	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.02	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2008.03	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2009	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2010	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2011	Rainy Lake	2A / 2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2012	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2013	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2014	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2015	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-2015.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H

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WC-2016	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-2017	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2017.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2017.02	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2018	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2018.01	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2019	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2020	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2021	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-2022	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2022.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2023	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2024	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2025	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2026	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2027	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2028.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2029	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2030	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2030.01	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2031.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2032	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-2033	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-2034	Rainy Lake	1C / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2035	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2036	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2036.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2037.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2038.02	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2039.01	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2040	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2041	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2042	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2043	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2044	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2045	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2046	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2047	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2048.01	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2049	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2050	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2051	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.01	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2051.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2052	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2053.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2054	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2055	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2056	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2057.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2058	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2059	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2059.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2060.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2061	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2062	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2063.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2063.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2064	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2065	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2066	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2066.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2066.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2067	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2068	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2069.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.04	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.05	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.06	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.07	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.08	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2069.09	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2070.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2071.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2072	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2073	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2074	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2075	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2076.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2077	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2078	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2079	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2080	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2081	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2082.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2083.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2084	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.01	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2085.02	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2086	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2087	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2087.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2088.01	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2089	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2090	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2091	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2092	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2093	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2094	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2095	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2096	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2097	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2098	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2099	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2100.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2101	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2102	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2103.01	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2104	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2105	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2106	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2107	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2108	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2109	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2110	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2111.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2112.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2113	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2114	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2115	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2116	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2117.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2118	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2119	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2120	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2121	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2122	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2122.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2123	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2124.02	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2125	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2126	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2127	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2128	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2129	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2129.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2130.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2131	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2132	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2133.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2134.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2135	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2136.02	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2137	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2138	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2139	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2139.01	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2140	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2141	Wabigoon River	3A / 3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2142	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2143	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2144	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2145.04	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2145.05	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2146.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2146.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.02	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2147.03	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2149	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2150	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2152	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2153	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2154	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2156.01	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2157	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2157.01	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2158.01	Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2159	Rainy Lake	3B / 3C	-	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2160	Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2161	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2162	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2163	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2163.01	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2164.02	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2165	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2166	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2167	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2168	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2169	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2170	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2171	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2172	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2173	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2174	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2175	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2176	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2176.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2177	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2178	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2179	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2180.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2181	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	H	-	-	-	-	-	H	-	-
WC-2182	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	H	-	-	-	-	-	H	-	-
WC-2183	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	H	-	-	-	-	-	H	-	-
WC-2184	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	H	-	-	-	-	-	H	-	-
WC-2185	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	H	-	-
WC-2185.01	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	H	-	-
WC-2186	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	-	-	-	H	-	-
WC-2186.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2186.04	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2187	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-2187.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2188.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2189	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2190.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2191	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2192	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2193	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2193.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2194	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2195.03	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2196.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2197	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-2198	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2198.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2199	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.01	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2200.02	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-2201.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2201.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2202	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2203	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2204	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2205	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2206	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2207	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2208.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2209.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2210	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2211	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2212	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2213	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2214	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2215	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2216	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2217.01	Wabigoon River	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2218	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2219	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2220	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	H	-	H	-	-	-	-	-	H	-	-
WC-2221	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-2221.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222.01	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2222.02	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2223	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-2224	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225	Big Turtle River - Rainy Lake	3B	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2225.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.02	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2226.03	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.01	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2227.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2228	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2229	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2230	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2231	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2232.01	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2233	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2234	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2235	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2236	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2237	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2237.01	Wabigoon River	3B	Y	October 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2238	Wabigoon River	3B	Y	September 15 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2239	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2240	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2241	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2241.01	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2242	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2243	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-2243.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2244	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2245	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2246	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2247	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2248	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2249	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2250	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-2251	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2251.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2252	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.02	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2253.03	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2254	Wabigoon River	3B	Y	September 15 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	-	-	H
WC-2254.01	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2255	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2256	Rainy Lake	2B_V2	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2257	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-2258	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3000	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-3001	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-3002	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-3003	North Lake Superior Shoreline	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3003.01	North Lake Superior Shoreline	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3003.02	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3004	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-3005	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3006	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3007	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-3008	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[a]	H	H	-	H	H	-	-	H	H	H	H	H	H	H	H	H	-	H	H
WC-3009	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3010	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3011	North Lake Superior Shoreline	1B-1 / 1B-2	-	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3012	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3013	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[a]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3014	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3015	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3016	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3017	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3018	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3019	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3020	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3021	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3022	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3023	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3024	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3025	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3026	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3027	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3028	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3029	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3030	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3031	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3032	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3033	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3034	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3035	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3036	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3037	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3038	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3039	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3040	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3041	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3042	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3043	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3044	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3045	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3046	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3047	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3048	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3049	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3050	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3051	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3052	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3053	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3054	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3055	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3056	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3057	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3058	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3059	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3060	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3062	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3063	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3064	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3065	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3066	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3067	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3068	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3069	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3070	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3071	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3072	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3073	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3074	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3075	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3076	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3077	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3078	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3079.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3080	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3081.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3082	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3083	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3084	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3085	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3088	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3089	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3089.03	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3089.04	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3090	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3091	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3093	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3094	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3095	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3095.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3095.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096	North Lake Superior Shoreline	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3096.02	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3097	Kaministiquia River	1	Y	September 1 to July 15	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3098	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3099	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3099.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3100	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3101.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3101.02	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3103	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3104	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3105	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3106	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3106.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3107	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3108	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3109	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3110	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3112	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3113	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3114	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3115	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3116	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3117	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3120	North Lake Superior Shoreline	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3124	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3125	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3126	North Lake Superior Shoreline	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3127	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3128	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3129	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3130	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3131	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3132	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3136	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3137	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3138	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3140	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3141	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3142	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3143	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3144	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3145	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3149	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3150	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3151	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3152	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3154	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3155	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3156	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3157	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3158	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3159	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3160	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3161	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	H
WC-3162	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3163	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3164	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3165	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3166	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3167	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-	-
WC-3168	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3171	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3172	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3173	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3174	Kaministiquia River	1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3175	Kaministiquia River	1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3176	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3177	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3178	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3179	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3180.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3181	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3182	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3183	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3184	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3185	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3186	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3187	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3188.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3189	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3191	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3192	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3193	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3194	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3195	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3196	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3197	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3198	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3199.02	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3200	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3201	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3202	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3203	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3204	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3205	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3206	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3207	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3208	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3210	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3211	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3212.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3213	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3214	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3215	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3216	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3217.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3218	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3219	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3219.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3220	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3221	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3222	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3223	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3224.01	Kaministiquia River	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3226	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3227	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3228	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3229	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3230	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3231	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3232	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3233	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3234	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3235	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3236	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3237	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3238	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3239	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3240	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3241	Kaministiquia River	1 / 1C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3242.01	Kaministiquia River	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3243	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3244	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3245	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	H
WC-3248	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3250	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3251	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-3253	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3255.01	Kaministiquia River	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3256	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3257.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3258	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3259	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3260	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3261	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3262	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3263	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3264	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3265	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3266	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3267	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3268	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3269	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3270	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3271	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3272	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3272.01	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3273.03	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3274	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3275	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3276	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3277	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3278	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3279	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3280	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3281	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3282	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3283	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3284	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3285	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3285.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3286	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3287	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3288	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3289	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3293	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3296	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3297	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3299	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3300	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3301	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3302	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3303	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3308	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3309	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3310	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3312	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3313	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3314	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3315	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3316	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3317	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3318	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3319	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3320.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3321	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3322.01	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3322.02	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3322.03	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3323	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3323.01	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3324	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3325	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3326	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3327	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3328	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3329	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3331	Rainy Headwaters	1C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3332	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3333	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3334	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3335	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3336	Rainy Headwaters	1C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3339	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3341	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3342	Rainy Headwaters	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3343	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3344	Rainy Lake	1C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3345	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3346	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3347	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3348	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3349	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3350	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3351	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3352	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3353	Rainy Lake	1C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3354	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-3355	Rainy Lake	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-3356	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3357	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3358	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3359	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3360	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3362.01	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3363	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3365	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3366	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3367	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3368	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3369	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3370	Rainy Lake	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3371	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3372	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

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WC-3373	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3374	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3375	Rainy Lake	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3376	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3377	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3378	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3379	Rainy Lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3380	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3381	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3382	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3383	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3385	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3386	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3387	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3390	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3391	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3392	Rainy Headwaters	1	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3393	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3393.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3393.02	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3397	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3398	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3399	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	H	-	-
WC-3400	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3401	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3402	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3404	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	H	-	-
WC-3406	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3407	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3407.01	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3408	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	H	H	-	-	H	-	-	H	-	-
WC-3409	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3410	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3411	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3413	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3414	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3415	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3416	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3417	Rainy Headwaters	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3418	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	-
WC-3418.01	Rainy Headwaters	1	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3425	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3426	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3433	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3434	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3435	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3441	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3442	Rainy Lake	2B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-3444	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3446	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3447	Rainy Lake	2B	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3448	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3449	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3450	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3452	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3453	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3454	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3456	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3457	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3458	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3461	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3463	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3464	Rainy Lake	2B	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3465	Rainy Lake	2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3466	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3467	Rainy Lake	2B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3468	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3469	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3470	Rainy Lake	2A	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-3471	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3472	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3475	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3476	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3477	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3478	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3479	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3480	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3481	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3482	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3483	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3484	Rainy Lake	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3484.01	North Lake Superior Shoreline	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3486	Rainy Lake	2A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3488	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3489	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3490	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3491	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3492	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3495	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3496	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3497	Rainy Lake	1C / 2C	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	H	-	-	-	-	-	H	-	H
WC-3498	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3499	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3500	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3501	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3502	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3503	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3504	Rainy Lake	1C / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3505	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3506	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3507	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3508	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3509	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3510	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3511	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3512	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3513	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3514	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3515	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3516	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3517	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3518	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3519	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3520	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3521	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3522	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3523	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3524	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3525	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3526	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3527	Rainy Lake	2C	Y	April 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3528	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3529	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3530	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3531	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3532	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3533	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3534	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3535	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3536	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3537	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3538	Rainy Lake	2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3539	Rainy Lake	2C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3540	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3541	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3542	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3543	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3545	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546	Rainy Lake	2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3546.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3547	Rainy Lake	2A / 2C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3549	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3550	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3551	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3552	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3553	Rainy Lake	2A / 2C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3554	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3555	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3556	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3557	Rainy Lake	2A / 2C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3558	Rainy Lake	3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3559	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

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WC-3560	Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3561	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3562	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3563	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3564	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3565	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3566	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3567	Rainy Lake	3B / 3C	-	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3568	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3569	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3570	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3571	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3572	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3573	Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3574	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3575	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3576	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3577	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3579	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3580	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3581	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3582	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3583	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3585	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3586	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3587	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3588	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3589	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3591	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	H	-	-
WC-3592	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-
WC-3593	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3594	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3595	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3596	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3597	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3598	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3599	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3600	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

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WC-3601	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3602	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3603	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3604	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3605	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3606	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3607	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3608	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3609	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3610	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3611	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3612	Wabigoon River	3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3613	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3614	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3615	Wabigoon River	3C	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3616	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3618	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3620	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3621	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3622	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3623	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3624	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3625	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3626	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3628	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3629	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3630	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3633	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3635	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3636	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3637	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3638	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3640	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3641	Wabigoon River	3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3642	Wabigoon River	3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3644	Rainy Lake	3A	Y	October 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3646	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.01	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3646.02	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3646.03	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3647	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3648	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3649.01	Rainy Lake	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3650	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3651	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3652	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3653.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3654	Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3655	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3656	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3657	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3658	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3659	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3660	Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3663	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3665	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3665.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3665.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3672	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3674	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3675	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3676	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3677	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3678	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3678.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3680	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3681	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3682	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3683	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3684	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3685	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3686	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3687	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3688	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

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WC-3689	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3690	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3691	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3692	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3693	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3694	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3695	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3696	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3697	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3698	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3699	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3700	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3701	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3702	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3703	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3704	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3704.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3705	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3706	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3707	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3708	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3709	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3710	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.04	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3710.05	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3711.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3712	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3713	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3715.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3717	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3722	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3723	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3723.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3724	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3725	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3726	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3727	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3728	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3729	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3730	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3731	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3733	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3734	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3735	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3736	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3737	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3738	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3739	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3740	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3741	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3744	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3745	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3746	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3747	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3748	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3749	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3750.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3751	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3752	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3753	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3754.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3755	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3756	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3757	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3758	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3759	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760	Upper English River	3A	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.01	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3760.02	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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WC-3761	Upper English River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3762	Upper English River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3764	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3765	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3766	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3767	Upper English River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3768	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3769	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3770	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3771	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3772	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3773	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3774	Wabigoon River	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3777	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3779	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3780	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.01	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3781.02	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3782	Wabigoon River	3A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3783	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3784	Wabigoon River	3A	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3785	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3786	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3787	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3788	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3789	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3790	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3791	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3792	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-	-	-	-
WC-3793	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3794	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3795	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3796	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3797	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3798	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3799	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3800	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [a]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-3801	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3802	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3803	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3804	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3805	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3806	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3807	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3808	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3809	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3810	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3811	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3812	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3813	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3814	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-	-	-
WC-3815	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3816	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3817	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3818	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3819	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3820	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3821	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3822	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3823	Wabigoon River	3B	Y	September 1 to July 15	-	-	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3824	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3825	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3826	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3827	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3828	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3829	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3830	Wabigoon River	3B	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3831	Wabigoon River	3B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3832	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3833	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3834	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3835	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3836	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3837	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3839	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840	Wabigoon River	3A / 3C	Y	September 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3840.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-3841	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3844	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3845.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3846.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3847	Wabigoon River	3A / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3849	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3851	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3853	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3854	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3855	Wabigoon River	3A / 3C	Y	September 15 to July 15	-	H	-	-	H	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3855.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3856	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3857	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3859	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3860	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3861	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3862	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3864	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3865	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3866	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3867.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3868	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3869	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3870	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3871	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-3872.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3872.02	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3873	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3874	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3875	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3876	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3877	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3881	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3883	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3884.01	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3885	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3886	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3887	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3888	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3891	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3892	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3894	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3897	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3898	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3899	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3901	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3902	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3903	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3904.01	Wabigoon River	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3905.01	Wabigoon River	4	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3906	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Sand Shiner	Sauger	Semotilus spp.	Sea Lamprey	Shorthead Redhorse	Shortjaw Cisco	Shortnose Cisco	Silver Lamprey (Great Lakes - Upper St. Lawrence population)	Silver Redhorse	Slimy Sculpin	Smallmouth Bass	Splake	Spoonhead Sculpin	Spottail Shiner	Stonecat	Tadpole Madtom	Tessellated Darter	Threespine Stickleback	Trout-perch
WC-3907	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3909	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3910	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3911	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3912	Wabigoon River	4	Y	September 1 to July 15	-	-	-	-	-	-	-	-	-	-	H	-	-	H	-	-	H	-	H
WC-3913	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3915	Wabigoon River	4	Y	April 1 to June 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WC-3916	Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: " - " = not applicable; H = historic occurrence record; F = field occurrence record; B = both historic and field occurrence records,

a) Timing-window for American Eel is reflective of the migration period, not the spawning period, as American Eel spawn in the Sargasso Sea (i.e., June 1 to July 31)

b) Occurrence records for Redfin Shiner were extrapolated from the MNRFR LIO ARA record within Sandford Lake with an effective date of October 11, 2017, although this record is noted to occur outside the typical range for this species. Please refer to ARA Identification Number FF-9407-WEA for source details.

c) Historic occurrence records have been extrapolated at a desktop level based on available GIS resources and a 1km buffer was applied based on a visible hydrological connection.

References:

WSP. 2022. Waasigan Transmission Line EA Crossing List. A combination of collated data from various background resources and field data by georeferenced crossing location (see Baseline Appendix A for the details on sources used).

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1000	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-1001	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-1002	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-1003	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-
WC-1004	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-1005	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1005.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1006	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-1006.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1006.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1007	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1007.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1008	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1008.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1009	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-
WC-1010	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-
WC-1011	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	H	-	-
WC-1011.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-1011.02	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-
WC-1012	North Lake Superior Shoreline	1	Y	April 1 to June 15	-	-	-	-	-
WC-1012.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-1012.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1013	Kaministiquia River	1	Y	September 1 to July 15	-	-	H	-	H
WC-1014	Kaministiquia River	1	Y	September 1 to July 15	-	-	H	-	H
WC-1015	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-1016	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1017	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1017.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1018	Kaministiquia River	1	Y	April 1 to June 15	-	-	H	-	-
WC-1018.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-
WC-1018.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1019	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1020	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-
WC-1021	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1021.01	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-
WC-1021.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1021.03	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-
WC-1021.04	Kaministiquia River	1	Y	April 1 to June 15	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1022	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1023	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1024	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-1025	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-
WC-1026	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-1027	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-1028	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-1029	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-1029.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-
WC-1029.02	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-
WC-1030	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-1031	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-
WC-1031.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-
WC-1032	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1032.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-1032.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1032.03	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1032.04	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1033	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1033.01	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1034	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1035	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1036	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1036.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-1037	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1038	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	F	-	-
WC-1039	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1039.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1039.02	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1039.03	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1040	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-1041	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-1041.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-1042	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-1043	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-1043.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1043.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1044	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1045	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-1046	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-1046.01	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1047	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-1047.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-1048	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1048.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-1049	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1049.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-1050	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	H	-	-
WC-1051	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	-
WC-1052	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1053	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	-	-	-
WC-1054	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1055	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1055.01	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-1056	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1057	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-1058	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1059	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-1060	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1061	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1062	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1063	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1063.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1064	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1065	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1066	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1067	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1068	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-1069	Rainy Headwaters	1 / 1C	Y	April 1 to June 20	H	-	-	-	-
WC-1069.01	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1069.02	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1069.03	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	H	-	-
WC-1070	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1070.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1070.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1071	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1072	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	F	-	-
WC-1072.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1072.02	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1073	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1074	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1075	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-1075.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1076	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1076.01	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-1077	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-1078	Rainy Headwaters	1 / 1C	Y	September 1 to June 15	-	-	H	-	H
WC-1078.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1079	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1079.01	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-1080	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1081	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1082	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1083	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1084	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-1085	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1086	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1087	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1088	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1089	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1090	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1090.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1091	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1092	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1092.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1093	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-
WC-1094	Rainy Headwaters	1 / 1C	Y	April 1 to June 30	-	-	-	-	-
WC-1095	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	H	-	-	-	H
WC-1096	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	H	-	-	-	H
WC-1096.01	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-1097	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-1098	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	H	-	-
WC-1099	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	H	-	-
WC-1100	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1101	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1102	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1103	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1104	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1105	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1106	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1107	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1108	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1109	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1110	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	-
WC-1110.01	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-1111	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1112	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1112.01	Rainy Headwaters	1	Y	-	-	-	-	-	-
WC-1113	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1113.01	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-1114	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1114.01	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-1114.02	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-1115	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1116	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1117	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1118	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1119	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-1119.01	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-1120	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-1120.01	Rainy Lake	1	-	-	-	-	-	-	-
WC-1121	Rainy Lake	1	Y	April 1 to July 15	-	-	H	-	-
WC-1122	Rainy Lake	1	Y	April 1 to July 15	-	-	H	-	-
WC-1123	Rainy Lake	1	Y	April 1 to July 15	-	-	H	-	-
WC-1123.01	Rainy Lake	1	-	-	-	-	-	-	-
WC-1123.02	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-
WC-1124	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-
WC-1125	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-
WC-1125.01	Rainy Lake	1	-	-	-	-	-	-	-
WC-1125.02	Rainy Lake	1	-	-	-	-	-	-	-
WC-1126	Rainy Lake	1	Y	September 1 to July 15	H	-	H	-	H
WC-1127	Rainy Lake	1	Y	September 1 to July 15	H	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1129	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-1130	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-1131	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-1132	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-1133	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-1134	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-1134.01	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1134.02	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1135	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-
WC-1135.01	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1136	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-
WC-1137	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-1137.01	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1137.02	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-
WC-1138	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-
WC-1138.01	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1140	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1141	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1142	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1143	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1143.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1144	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1145	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-1145.01	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1145.02	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1146	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	-
WC-1146.01	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1146.02	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	-
WC-1148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	-
WC-1148.01	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	-
WC-1148.02	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1148.03	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1149	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-
WC-1150	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-
WC-1151	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-1152	Kaministiquia River	1A	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-
WC-1153.01	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-
WC-1154	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-1155	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1156	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1157	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1158	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1158.01	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1159	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1159.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1160	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1160.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-1161	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	-	-	H	-	-
WC-1162	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-1163	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	H	-	-
WC-1164	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	H	-	-
WC-1164.01	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-1165	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-1166	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-1167	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 20	H	-	H	-	H
WC-1167.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1167.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1167.03	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1167.04	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1168	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-1168.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1169	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-1169.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1170	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-1171	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-1171.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1171.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1172	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 20	H	-	-	-	-
WC-1173	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-1173.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1174	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-1174.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1175	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1176	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-1176.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1176.02	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-1177	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-1177.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1178	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1179	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-1180	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1181	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1181.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1181.02	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1182	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-1182.01	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-1183	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-1184	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-1185	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1186	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1187	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-1188	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1189	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1189.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1190	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	H	-	H	-	H
WC-1190.01	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-1191	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	H	-	H	-	H
WC-1191.01	Rainy Headwaters	1C	Y	September 1 to June 30	-	-	-	-	-
WC-1192	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1192.01	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-1192.02	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-1192.03	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-1193	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1194	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1195	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1196	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1197	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1198	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1199	Rainy Headwaters	1C	Y	October 1 to July 15	H	-	H	-	H
WC-1200	Rainy Headwaters	1C	Y	October 1 to July 15	H	-	H	-	H
WC-1200.01	Rainy Headwaters	1C	Y	October 1 to July 15	H	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-1200.02	Rainy Lake	1C	-	-	-	-	-	-	-
WC-1201	Rainy Lake	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1202	Rainy Lake	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1202.01	Rainy Lake	1C	-	-	-	-	-	-	-
WC-1202.02	Rainy Lake	1C	-	-	-	-	-	-	-
WC-1202.03	Rainy Lake	1C	Y	September 1 to July 15	H	-	H	-	H
WC-1203	Rainy Lake	1C	Y	April 1 to June 20	H	-	H	-	-
WC-1204	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-
WC-1204.01	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-1204.02	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-1205	Rainy Lake	1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-1206	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-1207	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-1208	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-
WC-2000	Rainy Lake	2A	Y	September 1 to July 15	H	-	H	-	H
WC-2001	Rainy Lake	/ 1C / 2A / 2	Y	September 1 to July 15	H	-	H	-	H
WC-2002	Rainy Lake	2A	Y	September 1 to July 15	H	-	H	-	H
WC-2002.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-
WC-2003	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-2004	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-2004.01	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-
WC-2005	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-
WC-2006	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-2007	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-2007.01	Rainy Lake	2A	-	-	-	-	-	-	-
WC-2007.02	Rainy Lake	2A	-	-	-	-	-	-	-
WC-2008	Rainy Lake	2A / 2C	Y	April 1 to July 15	H	-	-	-	-
WC-2008.01	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-
WC-2008.02	Rainy Lake	2A / 2C	-	-	-	-	-	-	-
WC-2008.03	Rainy Lake	2A / 2C	-	-	-	-	-	-	-
WC-2009	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-
WC-2010	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-
WC-2011	Rainy Lake	2A / 2C	Y	April 1 to June 20	H	-	-	-	-
WC-2012	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-
WC-2013	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-
WC-2014	Rainy Lake	2A / 2B / 2C	Y	-	-	-	-	-	-
WC-2015	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H
WC-2015.01	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2016	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H
WC-2017	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-2017.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-
WC-2017.02	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-2018	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H
WC-2018.01	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H
WC-2019	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-2020	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H
WC-2021	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H
WC-2022	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-2022.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	F	-	-
WC-2023	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-2024	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-2025	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-2026	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-2027	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-2028	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-2028.01	Rainy Lake	2B	-	-	-	-	-	-	-
WC-2029	Rainy Lake	2B	Y	April 1 to July 15	H	-	-	-	-
WC-2030	Rainy Lake	2B	Y	April 1 to July 15	H	-	-	-	-
WC-2030.01	Rainy Lake	2B	-	-	-	-	-	-	-
WC-2031	Rainy Lake	2B	Y	April 1 to June 15	-	-	-	-	-
WC-2031.01	Rainy Lake	2B	Y	April 1 to June 15	-	-	F	-	-
WC-2032	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-2033	Rainy Lake	1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-2034	Rainy Lake	1C / 2C	Y	-	-	-	-	-	-
WC-2035	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-2036	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-2036.01	Rainy Lake	2C	-	-	-	-	-	-	-
WC-2037	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-2037.01	Rainy Lake	2C	-	-	-	-	-	-	-
WC-2038	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-2038.01	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-2038.02	Rainy Lake	2C	-	-	-	-	-	-	-
WC-2039	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2039.01	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-2040	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2041	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2042	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2043	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2044	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2045	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2046	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2047	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-2048	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-2048.01	Rainy Lake	2C	-	-	-	-	-	-	-
WC-2049	Rainy Lake	3A	Y	October 1 to July 15	H	-	H	-	H
WC-2050	Rainy Lake	3A	Y	October 1 to July 15	H	-	H	-	H
WC-2051	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-2051.01	Rainy Lake	3A	-	-	-	-	-	-	-
WC-2051.02	Rainy Lake	3A	-	-	-	-	-	-	-
WC-2052	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-2053	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-2053.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2053.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2054	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-2055	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2056	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2057	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2057.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-2058	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-2059	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2059.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2060	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-2060.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2060.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2061	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2062	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2063	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-2063.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2063.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2064	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-2065	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-2066	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-2066.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2066.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2067	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2068	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2069	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-2069.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2069.02	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2069.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2069.04	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-
WC-2069.05	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-
WC-2069.06	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-
WC-2069.07	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-
WC-2069.08	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2069.09	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2070	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-2070.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-2071	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	H	-	H	-	H
WC-2071.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2072	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	H	-	H	-	H
WC-2073	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	F	-	F
WC-2074	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	-
WC-2075	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	F
WC-2076	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	-
WC-2076.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2077	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-2078	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-2079	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2080	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	F
WC-2081	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-2082	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-2082.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-2082.02	Upper English River	3A	-	-	-	-	-	-	-
WC-2083	Upper English River	3A	Y	September 1 to June 15	-	-	H	-	-
WC-2083.01	Upper English River	3A	-	-	-	-	-	-	-
WC-2084	Upper English River	3A	Y	-	-	-	-	-	-
WC-2085	Upper English River	3A	Y	-	-	-	-	-	-
WC-2085.01	Upper English River	3A	-	-	-	-	-	-	-
WC-2085.02	Upper English River	3A	-	-	-	-	-	-	-
WC-2086	Upper English River	3A	Y	-	-	-	-	-	-
WC-2087	Wabigoon River	3A	-	-	-	-	-	-	-

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WC-2087.01	Wabigoon River	3A	-	-	-	-	-	-	-
WC-2088	Wabigoon River	3A	Y	September 1 to June 15	-	-	H	-	H
WC-2088.01	Wabigoon River	3A	-	-	-	-	-	-	-
WC-2089	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-2090	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-2091	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-2092	Wabigoon River	3A	-	-	-	-	-	-	-
WC-2093	Wabigoon River	3A	-	-	-	-	-	-	-
WC-2094	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-2095	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-2096	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-2097	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2098	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2099	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2100	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2100.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2101	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2102	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2103	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2103.01	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2104	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2105	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	F	-	-
WC-2106	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	F	-	-
WC-2107	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	F	-	-
WC-2108	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	F	-	-
WC-2109	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	F	-	-
WC-2110	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2111	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2111.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2112	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2112.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2113	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2114	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2115	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2116	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2117	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2117.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2118	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2119	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2120	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2121	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	H	-	H
WC-2122	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2122.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2123	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2124	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2124.01	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2124.02	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-2125	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2126	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-2127	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2128	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2129	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2129.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2130	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-
WC-2130.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-2131	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2132	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2133	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2133.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-2134	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2134.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-2135	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-
WC-2136	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2136.01	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-2136.02	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2137	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2138	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2139	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2139.01	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2140	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2141	Wabigoon River	3A / 3B / 3C	Y	September 1 to May 31	-	-	-	-	-
WC-2142	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2143	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2144	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2145.04	Wabigoon River	4	Y	September 1 to July 15	H	-	H	-	H
WC-2145.05	Wabigoon River	4	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2146.01	Wabigoon River	4	-	-	-	-	-	-	-
WC-2146.02	Wabigoon River	4	Y	-	-	-	-	-	-
WC-2147.01	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2147.02	Wabigoon River	4	-	-	-	-	-	-	-
WC-2147.03	Wabigoon River	4	-	-	-	-	-	-	-
WC-2149	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-2150	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2152	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-2153	Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2154	Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2156.01	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2157	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	-
WC-2157.01	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-
WC-2158	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-
WC-2158.01	Rainy Lake	3B / 3C	Y	-	-	-	-	-	-
WC-2159	Rainy Lake	3B / 3C	-	September 1 to May 31	-	-	-	-	-
WC-2160	Rainy Lake	3B / 3C	Y	September 1 to May 31	-	-	-	-	-
WC-2161	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	-
WC-2162	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	-
WC-2163	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	-
WC-2163.01	Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-2164	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-2164.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-2164.02	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-2165	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-2166	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2167	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2168	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2169	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2170	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2171	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2172	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2173	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2174	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-2175	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	-
WC-2176	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	-
WC-2176.01	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-2177	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2178	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-
WC-2179	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-
WC-2180	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	H	-	-	-	-
WC-2180.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2180.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2180.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2181	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-2182	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-2183	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-2184	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-2185	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-2185.01	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-2186	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-2186.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2186.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2186.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2186.04	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2187	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	-	-	H
WC-2187.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2188	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	-	-	H
WC-2188.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2189	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-
WC-2190	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-
WC-2190.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2190.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2190.03	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2191	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	H	-	H	-	H
WC-2192	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	-	-	H
WC-2193	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	H	-	H	-	H
WC-2193.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2194	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-
WC-2195	Big Turtle River - Rainy Lake	3C	Y	September 1 to May 31	-	-	-	-	-
WC-2195.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2195.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2195.03	Wabigoon River	3C	-	-	-	-	-	-	-
WC-2196	Wabigoon River	3C	Y	-	-	-	-	-	-
WC-2196.01	Wabigoon River	3C	-	-	-	-	-	-	-
WC-2197	Wabigoon River	3C	Y	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2198	Wabigoon River	3C	-	-	-	-	-	-	-
WC-2198.01	Wabigoon River	3C	-	-	-	-	-	-	-
WC-2199	Wabigoon River	3C	Y	-	-	-	-	-	-
WC-2200	Wabigoon River	3C	Y	-	-	-	-	-	-
WC-2200.01	Wabigoon River	3C	-	-	-	-	-	-	-
WC-2200.02	Wabigoon River	3C	-	-	-	-	-	-	-
WC-2201	Wabigoon River	3C	Y	September 15 to July 15	H	-	H	-	H
WC-2201.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2201.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2202	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-
WC-2203	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-
WC-2204	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2205	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-2206	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-2207	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	H
WC-2208	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 15	-	-	-	-	H
WC-2208.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2208.02	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2209	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-
WC-2209.01	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-2210	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-2211	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2212	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2213	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2214	Wabigoon River	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2215	Wabigoon River	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2216	Wabigoon River	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2217	Wabigoon River	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2217.01	Wabigoon River	3C	Y	April 1 to June 20	H	-	H	-	H
WC-2218	Wabigoon River	3C	Y	April 1 to June 15	-	-	H	-	H
WC-2219	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-2220	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	H	-	H	-	H
WC-2221	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	H	-	H	-	H
WC-2221.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-2222	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2222.01	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2222.02	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2223	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2224	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2225	Big Turtle River - Rainy Lake	3B	Y	September 1 to May 31	-	-	-	-	-
WC-2225.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-2225.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-2226	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2226.01	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-2226.02	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-
WC-2226.03	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-
WC-2227	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-
WC-2227.01	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-
WC-2227.02	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-2228	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-2229	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-
WC-2230	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-
WC-2231	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-
WC-2232	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2232.01	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-
WC-2233	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2234	Wabigoon River	3B	Y	April 1 to June 15	-	-	H	-	H
WC-2235	Wabigoon River	3B	Y	April 1 to June 15	-	-	H	-	H
WC-2236	Wabigoon River	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2237	Wabigoon River	3B	Y	October 1 to June 15	-	-	H	-	H
WC-2237.01	Wabigoon River	3B	Y	October 1 to June 15	-	-	H	-	H
WC-2238	Wabigoon River	3B	Y	September 15 to July 15	H	-	H	-	H
WC-2239	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2240	Wabigoon River	3B	Y	September 1 to June 15	-	-	-	-	H
WC-2241	Wabigoon River	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2241.01	Wabigoon River	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2242	Wabigoon River	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2243	Wabigoon River	3B	Y	September 1 to June 15	-	-	H	-	H
WC-2243.01	Wabigoon River	3B	-	-	-	-	-	-	-
WC-2244	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2245	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2246	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2247	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2248	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2249	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2250	Wabigoon River	3B	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-2251	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2251.01	Wabigoon River	3B	-	-	-	-	-	-	-
WC-2252	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2253	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-
WC-2253.01	Wabigoon River	3B	-	-	-	-	-	-	-
WC-2253.02	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2253.03	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-2254	Wabigoon River	3B	Y	September 15 to July 15	H	-	H	-	H
WC-2254.01	Wabigoon River	3B	-	-	-	-	-	-	-
WC-2255	Rainy Lake	2B_V2	Y	April 1 to June 20	H	-	-	-	-
WC-2256	Rainy Lake	2B_V2	Y	April 1 to June 20	H	-	-	-	-
WC-2257	Wabigoon River	4	Y	-	-	-	-	-	-
WC-2258	Wabigoon River	4	Y	April 1 to June 20	H	-	H	-	-
WC-3000	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-3001	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-3002	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-3003	North Lake Superior Shoreline	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-3003.01	North Lake Superior Shoreline	1	Y	September 1 to July 15	H	-	-	-	-
WC-3003.02	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-3004	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-3005	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	-	-	-
WC-3006	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-
WC-3007	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-3008	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31[(a)]	H	H	H	H	H
WC-3009	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3010	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-
WC-3011	North Lake Superior Shoreline	1B-1 / 1B-2	-	June 1 to July 31[(a)]	-	-	-	-	-
WC-3012	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3013	North Lake Superior Shoreline	1B-1 / 1B-2	Y	June 1 to July 31[(a)]	-	-	-	-	-
WC-3014	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3015	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3016	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	H	-	-
WC-3017	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	H	-	-
WC-3018	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3019	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	H	-	-
WC-3020	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to July 31	-	-	H	-	-
WC-3021	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3022	North Lake Superior Shoreline	1B-1 / 1B-2	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3023	North Lake Superior Shoreline	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-3024	North Lake Superior Shoreline	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3025	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3026	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-3027	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-3028	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	H	-	-
WC-3029	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-3030	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3031	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3032	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3033	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3034	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3035	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-3036	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3037	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3038	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3039	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3040	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3041	Kaministiquia River	1B-1 / 1B-2	Y	-	-	-	-	-	-
WC-3042	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-3043	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-3044	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3045	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-3046	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3047	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-3048	Kaministiquia River	1B-1 / 1B-2	Y	April 1 to June 15	-	-	-	-	-
WC-3049	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3050	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3051	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-3052	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3053	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-3054	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3055	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-3056	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-3057	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3058	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3059	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-
WC-3060	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to June 15	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3062	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3063	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3064	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	H	-	H	-	H
WC-3065	Kaministiquia River	1B-1 / 1B-2	-	-	-	-	-	-	-
WC-3066	Kaministiquia River	1B-1 / 1B-2	Y	September 1 to July 15	H	-	H	-	H
WC-3067	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-3068	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-3069	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-3070	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-3071	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-3072	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-3073	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	-	-	-
WC-3074	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-3075	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-3076	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3077	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3078	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-3079	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-3079.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3079.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3080	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3081	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3081.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3081.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3082	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3083	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3084	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3085	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-
WC-3088	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-
WC-3089	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-
WC-3089.03	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-
WC-3089.04	Kaministiquia River	1	Y	September 1 to July 15	H	-	-	-	-
WC-3090	Kaministiquia River	1	Y	September 1 to June 15	-	-	-	-	-
WC-3091	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3093	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	H	-	-
WC-3094	North Lake Superior Shoreline	1	Y	September 1 to June 15	-	-	H	-	-
WC-3095	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-3095.01	North Lake Superior Shoreline	1	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3095.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3096	North Lake Superior Shoreline	1	-	-	-	-	-	-	-
WC-3096.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3096.02	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3097	Kaministiquia River	1	Y	September 1 to July 15	-	-	H	-	H
WC-3098	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3099	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-3099.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-3100	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3101	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3101.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-3101.02	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	H
WC-3103	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3104	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3105	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3106	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	-
WC-3106.01	Kaministiquia River	1	Y	September 1 to June 15	-	-	H	-	H
WC-3107	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3108	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3109	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3110	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3112	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3113	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3114	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3115	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-3116	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-3117	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-
WC-3120	North Lake Superior Shoreline	1A	Y	September 1 to June 15	-	-	-	-	-
WC-3124	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-3125	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-3126	North Lake Superior Shoreline	1A	-	-	-	-	-	-	-
WC-3127	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-3128	North Lake Superior Shoreline	1	Y	-	-	-	-	-	-
WC-3129	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-3130	North Lake Superior Shoreline	1A	Y	-	-	-	-	-	-
WC-3131	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3132	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3136	Kaministiquia River	1A	-	-	-	-	-	-	-

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Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3137	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3138	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-
WC-3139	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-
WC-3140	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3141	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3142	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3143	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3144	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3145	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3147	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3148	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3149	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3150	Kaministiquia River	1A	Y	September 1 to June 15	-	-	-	-	-
WC-3151	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3152	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3153	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3154	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3155	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3156	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3157	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3158	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3159	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3160	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3161	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	H
WC-3162	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3163	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3164	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	-
WC-3165	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	-
WC-3166	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3167	Kaministiquia River	1A	Y	September 1 to June 15	-	-	H	-	-
WC-3168	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3171	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3172	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-
WC-3173	Kaministiquia River	1A	Y	April 1 to June 15	-	-	-	-	-
WC-3174	Kaministiquia River	1A	Y	-	-	-	-	-	-
WC-3175	Kaministiquia River	1A	-	-	-	-	-	-	-
WC-3176	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-3177	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3178	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-3179	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-3180	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-3180.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3181	Kaministiquia River	1 / 1A	Y	-	-	-	-	-	-
WC-3182	Kaministiquia River	1 / 1A	Y	April 1 to June 15	-	-	-	-	-
WC-3183	Kaministiquia River	1 / 1A	-	-	-	-	-	-	-
WC-3184	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3185	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3186	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3187	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3188	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3188.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3189	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3191	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3192	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3193	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3194	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3195	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3196	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3197	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3198	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3199.01	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3199.02	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3200	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3201	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3202	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3203	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	F	-	-
WC-3204	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3205	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3206	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3207	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3208	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3210	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3211	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3212	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3212.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3213	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3214	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-3215	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3216	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3217	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3217.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3218	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3219	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3219.01	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3220	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3221	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3222	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3223	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3224	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3224.01	Kaministiquia River	1	-	-	-	-	-	-	-
WC-3226	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3227	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3228	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3229	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3230	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3231	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3232	Kaministiquia River	1 / 1C	Y	September 1 to July 15	-	-	H	-	H
WC-3233	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3234	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3235	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-3236	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3237	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3238	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3239	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3240	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3241	Kaministiquia River	1 / 1C	Y	September 1 to June 20	H	-	-	-	-
WC-3242	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3242.01	Kaministiquia River	1	Y	September 1 to July 15	-	-	H	-	-
WC-3243	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3244	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-3245	Kaministiquia River	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-3248	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-3250	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-3251	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3253	Kaministiquia River	1 / 1C	-	-	-	-	-	-	-
WC-3255	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3255.01	Kaministiquia River	1	Y	-	-	-	-	-	-
WC-3256	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3257	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3257.01	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3258	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3259	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-3260	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-3261	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3262	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3263	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3264	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3265	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3266	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3267	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-3268	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	F
WC-3269	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3270	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	H	-	-
WC-3271	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	H	-	-
WC-3272	Kaministiquia River	1 / 1C	Y	September 1 to June 15	-	-	H	-	-
WC-3272.01	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3273	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3273.01	Rainy Headwaters	1	Y	-	-	-	-	-	-
WC-3273.02	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3273.03	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3274	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3275	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3276	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-3277	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3278	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3279	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-3280	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3281	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3282	Kaministiquia River	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-3283	Kaministiquia River	1 / 1C	Y	-	-	-	-	-	-
WC-3284	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3285	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3285.01	Rainy Headwaters	1	Y	-	-	-	-	-	-
WC-3286	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3287	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3288	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3289	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3293	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	-	-	-
WC-3296	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3297	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3299	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3300	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3301	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3302	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3303	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3308	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3309	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3310	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	H	-	H
WC-3312	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3313	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3314	Rainy Headwaters	1 / 1C	Y	April 1 to June 15	-	-	H	-	H
WC-3315	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-
WC-3316	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-
WC-3317	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	H	-	-	-	H
WC-3318	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	H	-	-	-	H
WC-3319	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-
WC-3320.01	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	H
WC-3321	Rainy Headwaters	1 / 1C	Y	May 1 to June 30	-	-	-	-	-
WC-3322	Rainy Headwaters	1 / 1C	Y	April 1 to July 15	H	-	-	-	H
WC-3322.01	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	H
WC-3322.02	Rainy Headwaters	1	Y	-	-	-	-	-	-
WC-3322.03	Rainy Headwaters	1	Y	-	-	-	-	-	-
WC-3323	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	-	-	-	-	-
WC-3323.01	Rainy Headwaters	1	Y	-	-	-	-	-	-
WC-3324	Rainy Headwaters	1 / 1C	Y	September 1 to July 15	H	-	H	-	H
WC-3325	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3326	Rainy Headwaters	1 / 1C	Y	-	-	-	-	-	-
WC-3327	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3328	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-
WC-3329	Rainy Headwaters	1 / 1C	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3331	Rainy Headwaters	1C	Y	September 1 to July 15	H	-	H	-	H
WC-3332	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-3333	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-3334	Rainy Headwaters	1C	Y	-	-	-	-	-	-
WC-3335	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-3336	Rainy Headwaters	1C	Y	-	-	-	-	-	-
WC-3339	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-3341	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-3342	Rainy Headwaters	1C	-	-	-	-	-	-	-
WC-3343	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3344	Rainy Lake	1C	Y	September 1 to July 15	H	-	H	-	H
WC-3345	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3346	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3347	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3348	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3349	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3350	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3351	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-
WC-3352	Rainy Lake	1C	Y	April 1 to June 15	-	-	-	-	-
WC-3353	Rainy Lake	1C	-	-	-	-	-	-	-
WC-3354	Rainy Lake	1	Y	September 1 to July 15	H	-	H	-	H
WC-3355	Rainy Lake	1	Y	September 1 to July 15	H	-	H	-	H
WC-3356	Rainy Lake	1	-	-	-	-	-	-	-
WC-3357	Rainy Lake	1	-	-	-	-	-	-	-
WC-3358	Rainy Lake	1	-	-	-	-	-	-	-
WC-3359	Rainy Lake	1	-	-	-	-	-	-	-
WC-3360	Rainy Lake	1	-	-	-	-	-	-	-
WC-3362	Rainy Lake	1	Y	-	-	-	-	-	-
WC-3362.01	Rainy Lake	1	Y	-	-	-	-	-	-
WC-3363	Rainy Lake	1	-	-	-	-	-	-	-
WC-3365	Rainy Lake	1	-	-	-	-	-	-	-
WC-3366	Rainy Lake	1	Y	April 1 to June 15	-	-	-	-	-
WC-3367	Rainy Lake	1	Y	-	-	-	-	-	-
WC-3368	Rainy Lake	1	Y	-	-	-	-	-	-
WC-3369	Rainy Lake	1	Y	-	-	-	-	-	-
WC-3370	Rainy Lake	1	Y	-	-	-	-	-	-
WC-3371	Rainy Lake	1	-	-	-	-	-	-	-
WC-3372	Rainy Lake	1	Y	April 1 to July 15	-	-	H	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3373	Rainy Lake	1	-	-	-	-	-	-	-
WC-3374	Rainy Lake	1	Y	April 1 to July 15	-	-	H	-	-
WC-3375	Rainy Lake	1	Y	April 1 to July 15	-	-	H	-	-
WC-3376	Rainy Lake	1	-	-	-	-	-	-	-
WC-3377	Rainy Lake	1	-	-	-	-	-	-	-
WC-3378	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3379	Rainy Lake	1	-	-	-	-	-	-	-
WC-3380	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3381	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3382	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3383	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3385	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3386	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3387	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3390	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3391	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3392	Rainy Headwaters	1	Y	-	-	-	-	-	-
WC-3393	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3393.01	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3393.02	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3397	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3398	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3399	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3400	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	-
WC-3401	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3402	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	-
WC-3404	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3406	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	-
WC-3407	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3407.01	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-3408	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3409	Rainy Headwaters	1	Y	April 1 to July 15	H	-	-	-	-
WC-3410	Rainy Headwaters	1	Y	April 1 to July 15	-	-	-	-	-
WC-3411	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-3413	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-3414	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-3415	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-
WC-3416	Rainy Headwaters	1	Y	April 1 to June 15	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3417	Rainy Headwaters	1	-	-	-	-	-	-	-
WC-3418	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3418.01	Rainy Headwaters	1	Y	September 1 to July 15	H	-	H	-	H
WC-3425	Rainy Lake	2B	-	-	-	-	-	-	-
WC-3426	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-3433	Rainy Lake	2B	-	-	-	-	-	-	-
WC-3434	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3435	Rainy Lake	2B	-	-	-	-	-	-	-
WC-3441	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3442	Rainy Lake	2B	Y	September 1 to July 15	H	-	H	-	H
WC-3444	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-3446	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-3447	Rainy Lake	2B	Y	September 15 to July 15	H	-	H	-	H
WC-3448	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3449	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3450	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3452	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3453	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3454	Rainy Lake	2B	-	-	-	-	-	-	-
WC-3456	Rainy Lake	2B	Y	April 1 to July 15	-	-	-	-	-
WC-3457	Rainy Lake	2B	Y	April 1 to July 15	H	-	-	-	-
WC-3458	Rainy Lake	2B	Y	April 1 to July 15	H	-	-	-	-
WC-3461	Rainy Lake	2B	Y	April 1 to July 15	H	-	-	-	-
WC-3463	Rainy Lake	2B	Y	April 1 to June 20	H	-	-	-	-
WC-3464	Rainy Lake	2B	Y	April 1 to June 20	H	-	-	-	-
WC-3465	Rainy Lake	2B	-	-	-	-	-	-	-
WC-3466	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3467	Rainy Lake	2B	Y	-	-	-	-	-	-
WC-3468	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-3469	Rainy Lake	/ 1C / 2A / 2	Y	-	-	-	-	-	-
WC-3470	Rainy Lake	2A	Y	September 1 to July 15	H	-	H	-	H
WC-3471	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3472	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3475	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3476	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3477	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3478	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3479	Rainy Lake	2A	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3480	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3481	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-3482	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-3483	Rainy Lake	2A	Y	April 1 to July 15	-	-	-	-	-
WC-3484	Rainy Lake	2A	-	-	-	-	-	-	-
WC-3484.01	North Lake Superior Shoreline	2A	Y	-	-	-	-	-	-
WC-3486	Rainy Lake	2A	Y	-	-	-	-	-	-
WC-3488	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-
WC-3489	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-
WC-3490	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-3491	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-3492	Rainy Lake	1 / 1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-3495	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-
WC-3496	Rainy Lake	1C / 2C	-	-	-	-	-	-	-
WC-3497	Rainy Lake	1C / 2C	Y	September 1 to July 15	H	-	H	-	H
WC-3498	Rainy Lake	1C / 2C	-	-	-	-	-	-	-
WC-3499	Rainy Lake	1C / 2C	-	-	-	-	-	-	-
WC-3500	Rainy Lake	1C / 2C	-	-	-	-	-	-	-
WC-3501	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-3502	Rainy Lake	1C / 2C	-	-	-	-	-	-	-
WC-3503	Rainy Lake	1C / 2C	-	-	-	-	-	-	-
WC-3504	Rainy Lake	1C / 2C	-	-	-	-	-	-	-
WC-3505	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-3506	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-3507	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-3508	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-3509	Rainy Lake	1C / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-3510	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3511	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3512	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-3513	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3514	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3515	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3516	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3517	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3518	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3519	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-3520	Rainy Lake	2C	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3521	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3522	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3523	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-3524	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-3525	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-3526	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-3527	Rainy Lake	2C	Y	April 1 to July 15	H	-	H	-	H
WC-3528	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-3529	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-3530	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3531	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3532	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3533	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-3534	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-3535	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3536	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3537	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-3538	Rainy Lake	2C	-	-	-	-	-	-	-
WC-3539	Rainy Lake	2C	Y	April 1 to June 20	H	-	-	-	-
WC-3540	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3541	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3542	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3543	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3545	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3546	Rainy Lake	2C	Y	-	-	-	-	-	-
WC-3546.01	Rainy Lake	2A	Y	April 1 to June 15	-	-	-	-	-
WC-3547	Rainy Lake	2A / 2C	Y	April 1 to June 15	-	-	-	-	-
WC-3549	Rainy Lake	2A / 2C	-	-	-	-	-	-	-
WC-3550	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-
WC-3551	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-
WC-3552	Rainy Lake	2A / 2C	-	-	-	-	-	-	-
WC-3553	Rainy Lake	2A / 2C	-	-	-	-	-	-	-
WC-3554	Rainy Lake	2A / 2C	Y	-	-	-	-	-	-
WC-3555	Rainy Lake	2A / 2C	Y	September 15 to July 15	H	-	H	-	H
WC-3556	Rainy Lake	2A / 2C	Y	September 15 to July 15	H	-	H	-	H
WC-3557	Rainy Lake	2A / 2C	Y	September 15 to July 15	H	-	H	-	H
WC-3558	Rainy Lake	3B / 3C	Y	April 1 to June 15	-	-	-	-	-
WC-3559	Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3560	Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-3561	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-3562	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-3563	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-3564	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3565	Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3566	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-
WC-3567	Rainy Lake	3B / 3C	-	September 1 to June 15	-	-	-	-	-
WC-3568	Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	-	-	-
WC-3569	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to July 15	H	-	H	-	-
WC-3570	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3571	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3572	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3573	Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3574	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3575	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3576	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3577	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3579	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3580	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3581	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3582	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3583	Big Turtle River - Rainy Lake	3B / 3C	Y	September 1 to June 15	-	-	H	-	H
WC-3585	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3586	Big Turtle River - Rainy Lake	3B / 3C	Y	-	-	-	-	-	-
WC-3587	Big Turtle River - Rainy Lake	3B / 3C	-	-	-	-	-	-	-
WC-3588	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-3589	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3591	Big Turtle River - Rainy Lake	3C	Y	September 1 to July 15	H	-	H	-	H
WC-3592	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	-	-	H
WC-3593	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-
WC-3594	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	-	-	H
WC-3595	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	-	-	H
WC-3596	Big Turtle River - Rainy Lake	3C	Y	-	-	-	-	-	-
WC-3597	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3598	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3599	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3600	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	H	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3601	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	H	-	H	-	H
WC-3602	Big Turtle River - Rainy Lake	3C	Y	October 1 to July 15	H	-	H	-	H
WC-3603	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3604	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-
WC-3605	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-
WC-3606	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 15	-	-	-	-	-
WC-3607	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3608	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3609	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3610	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3611	Wabigoon River	3C	Y	-	-	-	-	-	-
WC-3612	Wabigoon River	3C	Y	-	-	-	-	-	-
WC-3613	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3614	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3615	Wabigoon River	3C	Y	September 15 to July 15	H	-	H	-	H
WC-3616	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3618	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3620	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3621	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3622	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3623	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-3624	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-3625	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3626	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3628	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3629	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3630	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-3633	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-3635	Big Turtle River - Rainy Lake	3C	Y	September 1 to June 20	H	-	H	-	H
WC-3636	Big Turtle River - Rainy Lake	3C	Y	April 1 to June 20	H	-	H	-	H
WC-3637	Big Turtle River - Rainy Lake	3C	-	-	-	-	-	-	-
WC-3638	Wabigoon River	3C	Y	April 1 to June 15	-	-	H	-	H
WC-3640	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3641	Wabigoon River	3C	-	-	-	-	-	-	-
WC-3642	Wabigoon River	3C	Y	April 1 to June 15	-	-	H	-	H
WC-3644	Rainy Lake	3A	Y	October 1 to July 15	H	-	H	-	H
WC-3646	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3646.01	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3646.02	Rainy Lake	3A	-	-	-	-	-	-	-
WC-3646.03	Rainy Lake	3A	-	-	-	-	-	-	-
WC-3647	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3648	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3649	Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3649.01	Rainy Lake	3A	Y	April 1 to June 20	H	-	H	-	H
WC-3650	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3651	Rainy Lake	3A	-	-	-	-	-	-	-
WC-3652	Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3653	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3653.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3654	Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3655	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3656	Rainy Lake	3A	-	-	-	-	-	-	-
WC-3657	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3658	Rainy Lake	3A	-	-	-	-	-	-	-
WC-3659	Rainy Lake	3A	-	-	-	-	-	-	-
WC-3660	Rainy Lake	3A	-	-	-	-	-	-	-
WC-3663	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3665	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3665.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3665.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3672	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3674	Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3675	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3676	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3677	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3678	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3678.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3680	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3681	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3682	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3683	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3684	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3685	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3686	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3687	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-
WC-3688	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3689	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3690	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3691	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3692	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3693	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3694	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	-	-	-
WC-3695	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3696	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3697	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3698	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3699	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	H	-	H	-	H
WC-3700	Big Turtle River - Rainy Lake	3A	Y	September 15 to July 15	H	-	H	-	H
WC-3701	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3702	Big Turtle River - Rainy Lake	3A	Y	September 1 to May 31	-	-	-	-	-
WC-3703	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3704	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3704.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3705	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3706	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3707	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3708	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3709	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3710	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-
WC-3710.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-
WC-3710.02	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-
WC-3710.03	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3710.04	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3710.05	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3711	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-
WC-3711.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to July 15	H	-	H	-	H
WC-3712	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-
WC-3713	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	-	-	-
WC-3715	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	H	-	H	-	H
WC-3715.01	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3717	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	H	-	H	-	H
WC-3722	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	H	-	H	-	-
WC-3723	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	-
WC-3723.01	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3724	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	-
WC-3725	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3726	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3727	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3728	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3729	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3730	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3731	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3733	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3734	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3735	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3736	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3737	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3738	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3739	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3740	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3741	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3744	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	H
WC-3745	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3746	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3747	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3748	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3749	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3750	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3750.01	Big Turtle River - Rainy Lake	3A	Y	April 1 to June 15	H	-	H	-	H
WC-3751	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	H	-	H	-	H
WC-3752	Big Turtle River - Rainy Lake	3A	Y	September 1 to June 20	H	-	H	-	H
WC-3753	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3754	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3754.01	Big Turtle River - Rainy Lake	3A	Y	-	-	-	-	-	-
WC-3755	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3756	Big Turtle River - Rainy Lake	3A	-	-	-	-	-	-	-
WC-3757	Upper English River	3A	Y	-	-	-	-	-	-
WC-3758	Upper English River	3A	-	-	-	-	-	-	-
WC-3759	Upper English River	3A	Y	September 1 to June 15	-	-	H	-	-
WC-3760	Upper English River	3A	Y	April 1 to June 20	H	-	H	-	H
WC-3760.01	Upper English River	3A	Y	-	-	-	-	-	-
WC-3760.02	Upper English River	3A	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3761	Upper English River	3A	-	-	-	-	-	-	-
WC-3762	Upper English River	3A	Y	-	-	-	-	-	-
WC-3764	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3765	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3766	Wabigoon River	3A	Y	April 1 to June 15	-	-	H	-	-
WC-3767	Upper English River	3A	Y	September 1 to June 15	-	-	H	-	-
WC-3768	Wabigoon River	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3769	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3770	Wabigoon River	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3771	Wabigoon River	3A	-	-	-	-	-	-	-
WC-3772	Wabigoon River	3A	-	-	-	-	-	-	-
WC-3773	Wabigoon River	3A	-	-	-	-	-	-	-
WC-3774	Wabigoon River	3A	Y	September 1 to June 15	-	-	H	-	H
WC-3777	Wabigoon River	3A	-	-	-	-	-	-	-
WC-3779	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3780	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	H
WC-3781	Wabigoon River	3A	Y	April 1 to June 15	-	-	-	-	H
WC-3781.01	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3781.02	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3782	Wabigoon River	3A	-	-	-	-	-	-	-
WC-3783	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3784	Wabigoon River	3A	Y	-	-	-	-	-	-
WC-3785	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3786	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-3787	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-3788	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3789	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3790	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3791	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3792	Big Turtle River - Rainy Lake	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3793	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-3794	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3795	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3796	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3797	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3798	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3799	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3800	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3801	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3802	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3803	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3804	Big Turtle River - Rainy Lake	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3805	Big Turtle River - Rainy Lake	3B	Y	-	-	-	-	-	-
WC-3806	Big Turtle River - Rainy Lake	3B	Y	April 1 to June 15	-	-	-	-	-
WC-3807	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-3808	Big Turtle River - Rainy Lake	3B	-	-	-	-	-	-	-
WC-3809	Wabigoon River	3B	-	-	-	-	-	-	-
WC-3810	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-3811	Wabigoon River	3B	Y	April 1 to June 15	-	-	H	-	H
WC-3812	Wabigoon River	3B	Y	April 1 to June 15	-	-	H	-	H
WC-3813	Wabigoon River	3B	Y	April 1 to June 15	-	-	H	-	H
WC-3814	Wabigoon River	3B	Y	September 1 to June 15	-	-	H	-	H
WC-3815	Wabigoon River	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3816	Wabigoon River	3B	-	-	-	-	-	-	-
WC-3817	Wabigoon River	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3818	Wabigoon River	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3819	Wabigoon River	3B	Y	September 1 to July 15	H	-	H	-	H
WC-3820	Wabigoon River	3B	-	-	-	-	-	-	-
WC-3821	Wabigoon River	3B	-	-	-	-	-	-	-
WC-3822	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-3823	Wabigoon River	3B	Y	September 1 to July 15	-	-	H	-	H
WC-3824	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-3825	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-3826	Wabigoon River	3B	-	-	-	-	-	-	-
WC-3827	Wabigoon River	3B	Y	April 1 to June 15	-	-	-	-	-
WC-3828	Wabigoon River	3B	-	-	-	-	-	-	-
WC-3829	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-3830	Wabigoon River	3B	Y	-	-	-	-	-	-
WC-3831	Wabigoon River	3B	-	-	-	-	-	-	-
WC-3832	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-
WC-3833	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-3834	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3835	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3836	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3837	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-3839	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3840	Wabigoon River	3A / 3C	Y	September 1 to June 20	H	-	H	-	H
WC-3840.01	Wabigoon River	4	-	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3841	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3844	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3845	Wabigoon River	3A / 3C	Y	April 1 to June 15	-	-	-	-	-
WC-3845.01	Wabigoon River	4	-	-	-	-	-	-	-
WC-3846	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3846.01	Wabigoon River	4	-	-	-	-	-	-	-
WC-3847	Wabigoon River	3A / 3C	-	-	-	-	-	-	-
WC-3849	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	H	-	H
WC-3851	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	H	-	H
WC-3853	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	H	-	H
WC-3854	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	H	-	H
WC-3855	Wabigoon River	3A / 3C	Y	September 15 to July 15	H	-	H	-	H
WC-3855.01	Wabigoon River	4	-	-	-	-	-	-	-
WC-3856	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3857	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3859	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3860	Wabigoon River	3A / 3C	Y	-	-	-	-	-	-
WC-3861	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3862	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3864	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3865	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3866	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3867	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3867.01	Wabigoon River	4	-	-	-	-	-	-	-
WC-3868	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3869	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3870	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3871	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3872	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3872.01	Wabigoon River	4	Y	-	-	-	-	-	-
WC-3872.02	Wabigoon River	4	Y	-	-	-	-	-	-
WC-3873	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3874	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3875	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3876	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3877	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3881	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-
WC-3883	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3884	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3884.01	Wabigoon River	4	Y	September 1 to July 15	H	-	H	-	H
WC-3885	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-3886	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3887	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3888	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-3891	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-3892	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-3894	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-3897	Wabigoon River	3A / 3B / 3C	Y	September 1 to July 15	H	-	H	-	H
WC-3898	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3899	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3901	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3902	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3903	Wabigoon River	3A / 3B / 3C	Y	-	-	-	-	-	-
WC-3904	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3904.01	Wabigoon River	4	-	-	-	-	-	-	-
WC-3905.01	Wabigoon River	4	Y	-	-	-	-	-	-
WC-3906	Wabigoon River	3A / 3B / 3C	Y	April 1 to June 15	-	-	-	-	-

Attachment 6.6-A-4, Table 1: Historical and Field Fish Occurrence records within the LSA by Waterbody Along the Waasigan Alternative Routes, 2022

Water Crossing ID	Terteriary Watershed	Alterntive Route	Fish Habitat Potential	Restricted Activity Timing Windows Based on Species Occurrence Data (DFO 2013) [(a)]	Walleye	White Perch	White Sucker	Yellow Bullhead	Yellow Perch
WC-3907	Wabigoon River	3A / 3B / 3C	-	-	-	-	-	-	-
WC-3909	Wabigoon River	4	Y	September 1 to July 15	H	-	H	-	H
WC-3910	Wabigoon River	4	Y	September 1 to July 15	H	-	H	-	H
WC-3911	Wabigoon River	4	Y	September 1 to July 15	H	-	H	-	H
WC-3912	Wabigoon River	4	Y	September 1 to July 15	H	-	H	-	H
WC-3913	Wabigoon River	4	Y	April 1 to June 20	H	-	H	-	-
WC-3915	Wabigoon River	4	Y	April 1 to June 20	H	-	H	-	-
WC-3916	Rainy Lake	3A	Y	September 1 to June 15	-	-	H	-	H

Notes: " - " = not applicable; H = historic occurrence record; F = field occurrence record; B = both historic and field occurrence records,

a) Timing-window for American Eel is reflective of the migration period, not the spawning period, as American Eel spawn in the Sargasso Sea (i.e., June 1 to July 31)

b) Occurrence records for Redfin Shiner were extrapolated from the MNRFR LIO ARA record within Sandford Lake with an effective date of October 11, 2017, although this record is noted to occur outside the typical range for this species. Please refer to ARA Identification Number FF-9407-WEA for source details.

c) Historic occurrence records have been extrapolated at a desktop level based on available GIS resources and a 1km buffer was applied based on a visible hydrological connection.

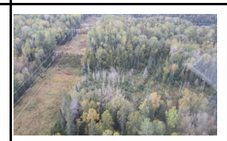
References:

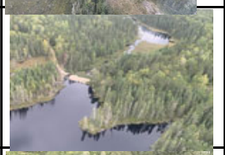
WSP. 2022. Waasigan Transmission Line EA Crossing List. A combination of collated data from various background resources and field data by georeferenced crossing location (see Baseline Appendix A for the details on sources used).

ATTACHMENT 6.6-A-5

Aerial Reconnaissance Field Data

Attachment 6.6-A-5, Table 1: 2022 Aerial Reconnaissance Field Data

Water Crossing ID	Site Comments	Photograph A	Photograph B	Water present	Waterbody Type	Fish Habitat
WC-2022	Large river with turbid water and steep valley banks on either side, flat habitat.			Yes	Watercourse	Yes
WC-2022.01	Narrow defined channel with a small impoundment in a grassy area along existing right-of-way. Upstream and downstream reaches are through coniferous forest.			Yes	Watercourse	Yes
WC-2023	Flooded grasses at the crossing from an impoundment upstream.			Yes	Lake/Pond	Yes
WC-2024	Large river with turbid water and flat habitat.			Yes	Watercourse	Yes
WC-2025	Impoundment area with a poorly defined channel through existing right-of-way. WC-2025, WC-2026, and WC-3448 are in the same reach.			Yes	Watercourse	Yes
WC-2026	Impoundment area with a poorly defined channel through existing right-of-way. WC-2025, W-2026, and WC-3448 are in the same reach.			Yes	Watercourse	Yes
WC-2027	Narrow channel through meadow with a beaver impoundment upstream.			Yes	Watercourse	Yes
WC-2028	Flooded hummocks between two impoundments.			Yes	Lake/Pond	Yes
WC-2028.01	Crossing is located on a trail with no defined channel, and minor pooled water downstream of crossing with flooded vegetation.			Yes	No Defined Channel	No

WC-2029	Flooded area along the existing right-of-way, no defined channel observed. WC-2029, WC-3457, and WC-3458 all within the same reach.			Yes	No Defined Channel	No
WC-2030	Swampy area in the bay of a lake, beaver canals running into forested area.			Yes	Lake/Pond	Yes
WC-3448	Impoundment area with a poorly defined channel through existing right-of-way. WC-2025, WC-2026, and WC-3448 are in the same reach.			Yes	Watercourse	Yes
WC-3457	Flooded area along the existing right-of-way, no defined channel observed. WC-2029, WC-3457, and WC-3458 all within the same reach.			Yes	No Defined Channel	No
WC-3458	Flooded area along the existing right-of-way, no defined channel observed. WC-2029, WC-3457, and WC-3458 all within the same reach.			Yes	No Defined Channel	No
WC-3678.01	Channel connecting a lake and a small pond, existing road has water flowing overtop. Culvert present. Channel has irregular banks with muskeg and flooded shrubs, Flat habitat.			Yes	Lake/Pond	Yes
WC-3680	Impoundment connected to a waterbody by a poorly defined through a flooded area. There is an existing culvert and road.			Yes	Lake/Pond	Yes
WC-3681	Poorly defined channel flowing over an existing road between two impoundments.			Yes	Watercourse	Yes
WC-3682	Small beaver pond with a channel formed through a flooded area downstream.			Yes	Lake/Pond	Yes
WC-3683	Impounded area caused by a beaver dam, adjacent to existing access road. There is a channel running downstream of the crossing.			Yes	Lake/Pond	Yes