

APPENDIX 6.6-C

Fish and Fish Habitat Summary and Proposed Applicable Timing Windows for Non-Equipment Crossing Project Infrastructure for the Project



Table 6.6-C-1A

Aquatic Habitat at Waterbodies along the Temporary Laydown Areas, Helicopter Pads, and Construction Camps/Laydown Areas

Waterbody Crossing ID	UTM			Facility Type ^(a)	Waterbody Name	Waterbody Type ^(a)	Tertiary Watershed Name	Thermal Regime ^(b)	Flow Regime ^(b)	Estimated Bankfull Width (m)	Barrier Present	Type of Barrier ^(c)	Fish Habitat Potential	Documented Fish Presence ^(d)	Data Source	Crossing Method	Crossing Location
	Zone	Easting	Northing														
WC-2259-LD	15N	602022	5400598	Laydown Area	Unnamed Waterbody	Unmapped Waterbody	Rainy Lake	-	-	<2	-	-	Unknown	No	Desktop	Not Crossing/Redundant	Construction Area
WC-3468-LD	15N	603054	5400592	Laydown Area	Unnamed Watercourse	Watercourse	Rainy Lake	-	Permanent	<2	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4013.01-HP	15N	586451	5463326	Heli Pad	Unnamed Waterbody	Unmapped Waterbody	Big Turtle River - Rainy Lake	-	-	<2	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Construction Area
WC-4013.02-HP	15N	593061	5439902	Heli Pad	Unnamed Waterbody	Unmapped Waterbody	Big Turtle River - Rainy Lake	-	-	2-5	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4018.02-HP	15N	545398	5496577	Heli Pad	Unnamed Waterbody	Unmapped Waterbody	Wabigoon River	-	-	2-5	-	-	Yes	No	Desktop	Not Crossing/Redundant	Construction Area
WC-4018.03-HP	15N	541556	5499729	Heli Pad	Unnamed Watercourse	Unmapped Watercourse	Wabigoon River	-	-	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Construction Area
WC-4019.01-LD-FY	15N	518025	5514835	Laydown Area	Unnamed Waterbody	Unmapped Waterbody	Wabigoon River	-	-	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4021-P	15N	699527	5393649	Pull Site	Amp Lake	Lake/Pond	Kaministiquia River	Cool	Permanent	L/P	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4021.01-P	15N	698686	5393682	Pull Site	Unnamed Waterbody	Unmapped Waterbody	Kaministiquia River	-	-	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Construction Area
WC-4022.01-LD	15N	602937	5400310	Laydown Area	Unnamed Waterbody	Unmapped Waterbody	Rainy Lake	-	-	5-10	-	-	Yes	No	Desktop	Not Crossing/Redundant	Construction Area
WC-4027-P	15N	604450	5406657	Pull Site	Unnamed Watercourse	Watercourse	Rainy Lake	-	Permanent	<2	-	-	Yes	No	Desktop	Culvert	Construction Area
WC-4030-P	15N	510743	5519011	Pull Site	Unnamed Watercourse	Watercourse	Wabigoon River	-	Permanent	2-5	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Construction Area
WC-4031-LD	15N	510643	5518174	Laydown Area	Unnamed Watercourse	Watercourse	Wabigoon River	-	Permanent	<2	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Construction Area
WC-4032.01-LD	15N	602884	5400543	Laydown Area	Unnamed Waterbody	Unmapped Waterbody	Rainy Lake	-	-	5-10	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Construction Area
WC-4035-HP	15N	309841	5381489	Heli Pad	Unnamed Watercourse	Watercourse	Kaministiquia River	-	Permanent	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4049-LD-CC	15N	587272	5478720	Laydown Area	Unnamed Waterbody	Lake/Pond	Upper English River	Cold	Permanent	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4050-FY	15N	574326	5464341	Fly Yard	Unnamed Watercourse	Unmapped Watercourse	Big Turtle River - Rainy Lake	-	-	<2	-	-	Unknown	No	Desktop	Culvert	Construction Area

**Table 6.6-C-1A
Aquatic Habitat at Waterbodies along the Temporary Laydown Areas, Helicopter Pads, and Construction Camps/Laydown Areas**

Waterbody Crossing ID	UTM			Facility Type ^(g)	Waterbody Name	Waterbody Type ^(a)	Tertiary Watershed Name	Thermal Regime ^(b)	Flow Regime ^(b)	Estimated Bankfull Width (m)	Barrier Present	Type of Barrier ^(c)	Fish Habitat Potential	Documented Fish Presence ^(d)	Data Source	Crossing Method	Crossing Location
WC-4051-FY	15N	575231	5463675	Fly Yard	Unnamed Watercourse	Watercourse	Big Turtle River - Rainy Lake	Cold	Intermittent	<2	-	-	Yes	No	Desktop	Culvert	Construction Area
WC-4052-FY	15N	575804	5463494	Fly Yard	Unnamed Watercourse	Unmapped Watercourse	Big Turtle River - Rainy Lake	-	-	<2	-	-	Unknown	No	Desktop	Culvert	Construction Area

Note:

Unmapped waterbody type determined based on aerial review and/or OHN layer

CC= Construction Camp; FY= Fly Yard; HP= Heli Pad; LD= Laydown Area; m = Metre; UTM = Universal Transverse Mercator; WC= waterbody crossing; - = unknown/not recorded

a) For the purposes of the Project, waterbodies are defined as areas with defined bed and banks, whether or not water is continuously present, and is consistent with the general definition used under the Conservation Authorities Act (Government of Ontario 1990c) and Ontario Stream Assessment Protocol (Stanfield 2017). A waterbody may be permanent, intermittent, or ephemeral. Types of waterbodies include watercourses (e.g., streams, rivers), lakes, ponds, and wetlands (Government of Ontario 2009c). Other features that may hold water but do not have defined bed and banks are not included as part of the fish and fish habitat program.

b) Ontario Hydro Network Watercourse (OHN). 2022. Available at: <https://data.ontario.ca/dataset/ontario-hydro-network-watercourses>; Ontario Hydro Network Waterbody (OHN). 2022. Available at: <https://data.ontario.ca/en/dataset/ontario-hydro-network-waterbody>

c) Canadian Wildlife Federation and Fisheries and Oceans Canada (DFO). 2022. Canadian Aquatic Barriers Database. Available at: <https://aquaticbarriers.ca/>

d) CLFN, SFN, and OMNR 2011; COSEWIC 2006; Domtar 2008, 2013; Dryden Forest Management Company 2011; Eakins 2017; GFMI 2011; Golder 2011; Government of Ontario 2004, 2011a, 2015b; Holm et al. 2010; Marshall 2011; MNR 2010c, 2012a, b; MNR and AbitibiBowater Incorporated 2009; MNR and Bowater Canadian Forest Products Incorporated 2008; MNR and Resolute FP Canada Inc. 2008; MNR 2014, 2016b; Royal Ontario Museum 2016; Scott and Crossman 1998; Appendix 6.2C.

e) Valard, 2023

f) The final location and permanent equipment crossing method will be determined and refined during detailed design once additional field surveys have confirmed the presence of a waterbody and permitting has been completed.

g) A 30 m buffer will be applied around waterbodies at all helicopter pad locations, and all ESC and spill prevention mitigation measures will be implemented. No equipment crossing is anticipated for these locations.

h) Waterbody crossing ID does not include the laydown distinction as the crossing also intersects an access road.

**Table 6.6-C-1B
Proposed Restricted Activity Timing Windows along the Temporary Laydown Areas and Construction Camps/Laydown Areas**

Waterbody Crossing ID	Proposed Waterbody Restricted Activity Timing Window (RATW)	RATW Justification - Waterbody Crossings with Potential Spawning Habitat ^(a)																			
		Black Bullhead	Black Crappie	Blacknose Dace (Eastern) ^(c)	Blacknose Shiner	Bluntnose Minnow	Brook Stickleback	Brook Trout ^(b)	Brown Bullhead	Brown Trout	Burbot	Carp and Goldfish	Central Mudminnow	Chinook Salmon	Cisco	Common Shiner	Creek Chub	Deepwater Sculpin (Great Lakes - Western St. Lawrence Populations) ^(b)	Emerald Shiner	Fathead Minnow	Finescale Dace
WC-2259-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3468-LD	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4013.01-HP	September 1 to June 15	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4013.02-HP	September 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018.02-HP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018.03-HP	September 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4019.01-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4021-P	September 1 to June 15	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4021.01-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4022.01-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4027-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4030-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4031-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4032.01-LD	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4035-HP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4049-LD	April 1 to June 16	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4050-FY	April 1 to June 17	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4051-FY	April 1 to June 18	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4052-FY	April 1 to June 19	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

**Table 6.6-C-1B
Proposed Restricted Activity Timing Windows along the Temporary Laydown Areas and Construction Camps/Laydown Areas**

Waterbody Crossing ID	Proposed Waterbody Restricted Activity Timing Window (RATW)	RATW Justification - Waterbody Crossings with Potential Spawning Habitat(a)																		
		Gasterosteidae sp.	Golden Shiner	Green Sunfish	Iowa Darter	Johnny Darter	Lake Chub	Lake Sturgeon (Saskatchewan - Nelson River populations) ^(b)	Lake Trout ^(b)	Lake Whitefish	Least Darter	Leuciscidae sp.	Logperch	Longnose Dace	Mimic Shiner	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lamprey ^(b)	Northern Pearl Dace
WC-2259-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3468-LD	September 1 to July 15	Unknown	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4013.01-HP	September 1 to June 15	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4013.02-HP	September 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018.02-HP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018.03-HP	September 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4019.01-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4021-P	September 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4021.01-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4022.01-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4027-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4030-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4031-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4032.01-LD	September 1 to July 15	Unknown	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4035-HP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4049-LD	April 1 to June 16	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4050-FY	April 1 to June 17	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4051-FY	April 1 to June 18	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4052-FY	April 1 to June 19	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

**Table 6.6-C-1B
Proposed Restricted Activity Timing Windows along the Temporary Laydown Areas and Construction Camps/Laydown Areas**

Waterbody Crossing ID	Proposed Waterbody Restricted Activity Timing Window (RATW)	RATW Justification - Waterbody Crossings with Potential Spawning Habitat(a)																			
		Northern Pike ^(b)	Northern Redbelly Dace	Percidae sp.	Pumpkinseed	Quillback	Rainbow Smelt	Rainbow Trout	Rock Bass	Salmonidae sp.	Sauger	Shorthead Redhorse	Slimy Sculpin	Smallmouth Bass	Spottail Shiner	Trout-perch	Walleye ^(b)	White Perch	White Sucker	Yellow Perch	
WC-2259-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
WC-3468-LD	September 1 to July 15	Yes	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	
WC-4013.01-HP	September 1 to June 15	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Yes
WC-4013.02-HP	September 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018.02-HP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018.03-HP	September 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4019.01-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4021-P	September 1 to June 15	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4021.01-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4022.01-LD	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4027-P	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4030-P	April 1 to June 15	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Unknown	
WC-4031-LD	April 1 to June 15	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Unknown	
WC-4032.01-LD	September 1 to July 15	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	
WC-4035-HP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4049-LD	April 1 to June 16	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4050-FY	April 1 to June 17	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4051-FY	April 1 to June 18	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4052-FY	April 1 to June 19	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

Note:

Waterbody crossings with a defined bed and bank are assumed to be potential fish spawning habitat with 'unknown' species presence

CC= Construction Camp; FY= Fly Yard; HP= Heli Pad; LD= Laydown Area; RATW = Restricted Activity Timing Window; WC = waterbody crossing; Unknown = fish habitat potential unknown; Yes = potential fish habitat present.

a) Black Bullhead (*Ameiurus melas*); Black Crappie (*Pomoxis nigromaculatus*); Blacknose Dace (Eastern) (*Rhinichthys atratulus*); Blacknose Shiner (*Notropis heterolepis*); Bluntnose Minnow (*Pimephales notatus*); Brook Stickleback (*Culaea inconstans*); Brook Trout (*Salvelinus fontinalis*); Brown Bullhead (*Ameiurus nebulosus*); Brown Trout (*Salmo trutta*); Burbot (*Lota lota*); Carps and Goldfish (Cyprinidae spp.); Central Mudminnow (*Umbra limi*); Chinook Salmon (*Oncorhynchus tshawytscha*); Cisco (*Coregonus artedii*); Common Shiner (*Luxilus cornutus*); Creek Chub (*Semotilus atromaculatus*); Deepwater Sculpin (Great Lakes - Western St. Lawrence Populations) (*Myoxocephalus thompsonii* pop. 2); Emerald Shiner (*Notropis atherinoides*); Fathead Minnow (*Pimephales promelas*); Finescale Dace (*Chrosomus neogaeus*); Gasterosteidae sp. (*Gasterosteidae* spp.); Golden Shiner (*Notemigonus crysoleucas*); Green Sunfish (*Lepomis cyanellus*); Iowa Darter (*Etheostoma exile*); Johnny Darter (*Etheostoma nigrum*); Lake Chub (*Couesius plumbeus*); Lake Sturgeon (Saskatchewan - Nelson River Populations) (*Acipenser fulvescens*); Lake Trout (*Salvelinus namaycush*); Lake Whitefish (*Coregonus clupeaformis*); Least Darter (*Etheostoma microperca*); Leuciscidae sp. (*Leuciscidae* sp.); Logperch (*Percina caprodes*); Longnose Dace (*Rhinichthys cataractae*); Mimic Shiner (*Notropis volucellus*); Mottled Sculpin (*Cottus bairdii*); Muskellunge (*Esox masquinongy*); Ninespine Stickleback (*Pungitius pungitius*); Northern Brook Lamprey (*Ichthyomyzon fossor*); Northern Pearl Dace (*Margariscus nachtriebi*); Northern Pike (*Esox lucius*); Northern Redbelly Dace (*Chrosomus eos*); Percidae sp. (*Percidae* sp.); Pumpkinseed (*Lepomis gibbosus*); Quillback (*Carpododes cyprinus*); Rainbow Smelt (*Osmerus mordax*); Rainbow Trout (*Oncorhynchus mykiss*); Rock Bass (*Ambloplites rupestris*); Salmonidae sp. (*Salmonidae* sp.); Sauger (*Sander canadensis*); Shorthead Redhorse (*Moxostoma macrolepidotum*); Slimy Sculpin (*Cottus cognatus*); Smallmouth Bass (*Micropterus dolomieu*); Spottail Shiner (*Notropis hudsonius*); Trout-perch (*Percopsis omiscomaycus*); Walleye (*Sander vitreus*); White Perch (Morone americana); White Sucker (*Catostomus commersonii*); Yellow Perch (*Perca flavescens*).

b) Criteria species.

c) Recent updates to Holm et al. (2021) referenced a genetic study that concluded all of the Blacknose Dace (including Eastern Blacknose Dace) occurring in Ontario to be Western Blacknose Dace (*Rhinichthys obtusus*).

**Table 6.6-C-2A
Aquatic Habitat at Waterbodies within 120 m of Aggregate Pits**

Waterbody Crossing ID	UTM			Facility Type	Waterbody Name	Waterbody Type ^(a)	Tertiary Watershed Name	Thermal Regime ^(b)	Flow Regime ^(b)	Estimated Bankfull Width (m)	Barrier Present	Type of Barrier ^(c)	Fish Habitat Potential	Documented Fish Presence ^(d)	Data Source	Crossing Method	Crossing Location
	Zone	Easting	Northing														
WC-3575-AP	15N	579419	5419851	Aggregate Pit	Unnamed Watercourse	Watercourse	Big Turtle River - Rainy Lake	-	Permanent	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-3580-AP	15N	566924	5427795	Aggregate Pit	Unnamed Waterbody	No Defined Channel	Big Turtle River - Rainy Lake	-	-	<2	-	-	No	No	Desktop	Not Crossing/Redundant	Buffer
WC-3695 ^(g)	15N	592280	5433335	Aggregate Pit	Unnamed Watercourse	Watercourse	Big Turtle River - Rainy Lake	-	Permanent	<2	-	-	Yes	Yes	Desktop	Log Fill	Buffer / Access
WC-4000-AP	16N	314461	5382377	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Kaministiquia River	-	Permanent	10-20	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4001-AP	16N	313936	5382110	Aggregate Pit	Unnamed Watercourse	Watercourse	Kaministiquia River	-	Permanent	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4003-AP	15N	626041	5394889	Aggregate Pit	Crystal Lake	Lake/Pond	Rainy Headwaters	Cold	Permanent	LP	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4005.01-AP	15N	597462	5414585	Aggregate Pit	Unnamed Waterbody	Unmapped Waterbody	Rainy Lake	-	-	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4006-AP	15N	595484	5411514	Aggregate Pit	Unnamed Watercourse	Watercourse	Rainy Lake	-	Permanent	<2	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4007-AP	15N	595230	5411773	Aggregate Pit	Unnamed Watercourse	Watercourse	Rainy Lake	-	Permanent	2-5	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4008-AP	15N	594751	5411712	Aggregate Pit	Unnamed Watercourse	Watercourse	Rainy Lake	-	Permanent	2-5	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4009.01-AP	15N	591010	5431651	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	-	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4009.02-AP	15N	590923	5431630	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	-	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4009-AP	15N	592461	5432557	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	Permanent	LP	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4010.01-AP	15N	590937	5431935	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	-	LP	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4010-AP	15N	590943	5431842	Aggregate Pit	Unnamed Watercourse	Watercourse	Big Turtle River - Rainy Lake	-	Permanent	<2	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4011-AP	15N	592139	5433103	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	Permanent	LP	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4012-AP	15N	592094	5433236	Aggregate Pit	Unnamed Watercourse	Watercourse	Big Turtle River - Rainy Lake	-	Permanent	5-10	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Construction Area
WC-4013-AP	15N	591944	5433237	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	Permanent	LP	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer

**Table 6.6-C-2A
Aquatic Habitat at Waterbodies within 120 m of Aggregate Pits**

Waterbody Crossing ID	UTM			Facility Type	Waterbody Name	Waterbody Type ^(a)	Tertiary Watershed Name	Thermal Regime ^(b)	Flow Regime ^(b)	Estimated Bankfull Width (m)	Barrier Present	Type of Barrier ^(c)	Fish Habitat Potential	Documented Fish Presence ^(d)	Data Source	Crossing Method	Crossing Location
	Zone	Easting	Northing														
WC-4014-AP	15N	579368	5465144	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	Cold	Permanent	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4015-AP	15N	579318	5465013	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	Permanent	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4016-AP	15N	579284	5465158	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	Permanent	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Construction Area
WC-4017-AP	15N	579237	5464955	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	Permanent	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4018-AP	15N	579144	5465180	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Big Turtle River - Rainy Lake	-	Permanent	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4019-AP	15N	527131	5514971	Aggregate Pit	Unnamed Watercourse	Watercourse	Wabigoon River	-	Intermittent	2-5	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4020-AP	15N	629113	5391885	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Rainy Headwaters	-	Permanent	154.5	-	-	Yes	Yes	Desktop	Not Crossing/Redundant	Buffer
WC-4023-AP	16N	290181	5387571	Aggregate Pit	Unnamed Watercourse	Watercourse	Kaministiquia River	-	Permanent	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4024-AP	16N	290322	5387586	Aggregate Pit	Unnamed Waterbody	Lake/Pond	Kaministiquia River	-	Permanent	LP	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4025-AP	16N	285200	5387328	Aggregate Pit	Unnamed Waterbody	Unmapped Waterbody	Kaministiquia River	-	-	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer
WC-4026.01-AP	15N	597179	5413963	Aggregate Pit	Unnamed Waterbody	Unmapped Waterbody	Rainy Lake	-	-	<2	-	-	Yes	No	Desktop	Culvert	Construction Area
WC-4036-AP	15N	289931	5387001	Aggregate Pit	Unnamed Watercourse	Watercourse	Kaministiquia River	Cold	Permanent	<2	-	-	Yes	No	Desktop	Not Crossing/Redundant	Buffer

Note:

Unmapped waterbody type determined based on aerial review and/or OHN layer

AP= aggregate pit; m= Metre; UTM = Universal Transverse Mercator; WC= Waterbody Crossing; - = Unknown/Not Recorded

a) For the purposes of the Project, waterbodies are defined as areas with defined bed and banks, whether or not water is continuously present, and is consistent with the general definition used under the *Conservation Authorities Act* (Government of Ontario 1990c) and Ontario Stream Assessment Protocol (Stanfield 2017). A waterbody may be permanent, intermittent, or ephemeral. Types of waterbodies include watercourses (e.g., streams, rivers), lakes, ponds, and wetlands (Government of Ontario 2009c). Other features that may hold water but do not have defined bed and banks are not included as part of the fish and fish

b) Ontario Hydro Network Watercourse (OHN). 2022. Available at: <https://data.ontario.ca/dataset/ontario-hydro-network-watercourses>; Ontario Hydro Network Waterbody (OHN). 2022. Available at: <https://data.ontario.ca/en/dataset/ontario-hydro-network-waterbody>

c) Canadian Wildlife Federation and Fisheries and Oceans Canada (DFO). 2022. Canadian Aquatic Barriers Database. Available at: <https://aquaticbarriers.ca/>

d) CLFN, SFN, and OMNR 2011; COSEWIC 2006; Domtar 2008, 2013; Dryden Forest Management Company 2011; Eakins 2017; GFMI 2011; Golder 2011; Government of Ontario 2004, 2011a, 2015b; Holm et al. 2010; Marshall 2011; MNK 2010c, 2012a, b; MNK and AbitibiBowater Incorporated 2009; MNK and Bowater Canadian Forest Products Incorporated 2008; MNR and Resolute FP Canada Inc. 2008; MNR 2014, 2016b; Royal Ontario Museum 2016; Scott and Crossman 1998; Appendix 6.2C.

e) Valard, 2023

f) The final location and permanent equipment crossing method will be determined and refined during detailed design once additional field surveys have confirmed the presence of a waterbody and permitting has been completed.

g) Waterbody crossing ID does not include the aggregate pit distinction as the crossing also intersects an access road.

**Table 6.6-C-2B
Proposed Restricted Activity Timing Windows within 120 m of Aggregate Pits**

Waterbody Crossing ID	Proposed Waterbody Restricted Activity Timing Window (RATW)	RATW Justification - Waterbody Crossings with Potential Spawning Habitat ^(a)																		
		Black Bullhead	Black Crappie	Blacknose Dace (Eastern) ^(c)	Blacknose Shiner	Bluntnose Minnow	Brook Stickleback	Brook Trout ^(b)	Brown Bullhead	Brown Trout	Burbot	Carps and Goldfish	Central Mudminnow	Chinook Salmon	Cisco	Common Shiner	Creek Chub	Deepwater Sculpin (Great Lakes - Western St. Lawrence Populations) ^(b)	Emerald Shiner	Fathead Minnow
WC-3575	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3580	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3695 ^(d)	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4000-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4001-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4003-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4005.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4006-AP	April 1 to June 20	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4007-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4008-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009.02-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4010.01-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4010-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4011-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4012-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4013-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4014-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4015-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4016-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4017-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4019-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4020-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4023-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4024-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4025-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4026.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4036-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

**Table 6.6-C-2B
Proposed Restricted Activity Timing Windows within 120 m of Aggregate Pits**

Waterbody Crossing ID	Proposed Waterbody Restricted Activity Timing Window (RATW)	RATW Justification - Waterbody Crossings with Potential Spawning Habitat(a)																		
		Finescale Dace	Gasterosteidae sp.	Golden Shiner	Green Sunfish	Iowa Darter	Johnny Darter	Lake Chub	Lake Sturgeon - Saskatchewan - Nelson River populations ^(b)	Lake Trout ^(b)	Lake Whitefish	Least Darter	Leuciscidae sp.	Logperch	Longnose Dace	Mimic Shiner	Mottled Sculpin	Muskellunge	Ninespine Stickleback	Northern Brook Lamprey ^(b)
WC-3575	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3580	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3695 ^(d)	September 1 to July 15	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Yes	Unknown
WC-4000-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4001-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4003-AP	September 1 to July 15	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown
WC-4005.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4006-AP	April 1 to June 20	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4007-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4008-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009.02-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009-AP	September 1 to July 15	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4010.01-AP	September 1 to July 15	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4010-AP	September 1 to July 15	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4011-AP	September 1 to July 15	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4012-AP	September 1 to July 15	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4013-AP	September 1 to July 15	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4014-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4015-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4016-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4017-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4019-AP	September 1 to July 15	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown
WC-4020-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4023-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4024-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4025-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4026.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4036-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

**Table 6.6-C-2B
Proposed Restricted Activity Timing Windows within 120 m of Aggregate Pits**

Waterbody Crossing ID	Proposed Waterbody Restricted Activity Timing Window (RATW)	RATW Justification - Waterbody Crossings with Potential Spawning Habitat(a)																			
		Northern Pearl Dace	Northern Pike ^(b)	Northern Redbelly Dace	Percidae sp.	Pumpkinseed	Quillback	Rainbow Smelt	Rainbow Trout	Rock Bass	Salmonidae sp.	Sauger	Shorthead Redhorse	Slimy Sculpin	Smallmouth Bass	Spottail Shiner	Trout-perch	Walleye ^(b)	White Perch	White Sucker	Yellow Perch
WC-3575	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3580	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-3695 ^(d)	September 1 to July 15	Unknown	Yes	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Yes	Yes
WC-4000-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4001-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4003-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes
WC-4005.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4006-AP	April 1 to June 20	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown
WC-4007-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Yes	Yes
WC-4008-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Yes	Unknown	Yes	Yes
WC-4009.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009.02-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4009-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes	Yes	Yes	Yes
WC-4010.01-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes	Yes	Yes	Yes
WC-4010-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes	Yes	Yes	Yes
WC-4011-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes	Yes	Yes	Yes
WC-4012-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes	Yes	Yes	Yes
WC-4013-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes	Yes	Yes	Yes
WC-4014-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4015-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4016-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4017-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4018-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4019-AP	September 1 to July 15	Unknown	Yes	Unknown	Yes	Unknown	Unknown	Unknown	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Yes	Unknown	Yes	Yes	Unknown	Yes	Yes
WC-4020-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4023-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4024-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4025-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4026.01-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
WC-4036-AP	April 1 to June 15	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

Notes:

Waterbody crossings with a defined bed and bank are assumed to be potential fish spawning habitat with 'unknown' species presence

RATW = Restricted Activity Timing Window; WC = waterbody crossing; Unknown = fish habitat potential unknown; Yes = potential fish habitat present.

a) Black Bullhead (*Ameiurus melas*); Black Crappie (*Pomoxis nigromaculatus*); Blacknose Dace (Eastern) (*Rhinichthys atratulus*); Blacknose Shiner (*Notropis heterolepis*); Bluntnose Minnow (*Pimephales notatus*); Brook Stickleback (*Culaea inconstans*); Brook Trout (*Salvelinus fontinalis*); Brown Bullhead (*Ameiurus nebulosus*); Brown Trout (*Salmo trutta*); Burbot (*Lota lota*); Carps and Goldfish (*Cyprinidae* spp.); Central Mudminnow (*Umbra limi*); Chinook Salmon (*Oncorhynchus tshawytscha*); Cisco (*Coregonus artedii*); Common Shiner (*Luxilus cornutus*); Creek Chub (*Semotilus atromaculatus*); Deepwater Sculpin (Great Lakes - Western St. Lawrence Populations) (*Myoxocephalus thompsonii* pop. 2); Emerald Shiner (*Notropis atherinoides*); Fathead Minnow (*Pimephales promelas*); Finescale Dace (*Chrosomus neogaeus*); Gasterosteidae sp. (*Gasterosteidae* spp.); Golden Shiner (*Notemigonus crysoleucas*); Green Sunfish (*Lepomis cyanellus*); Iowa Darter (*Etheostoma exile*); Johnny Darter (*Etheostoma nigrum*); Lake Chub (*Couesius plumbeus*); Lake Sturgeon (Saskatchewan - Nelson River Populations) (*Acipenser fulvescens*); Lake Trout (*Salvelinus namaycush*); Lake Whitefish (*Coregonus clupeaformis*); Least Darter (*Etheostoma microperca*); Leuciscidae sp. (*Leuciscidae* sp.); Logperch (*Percina caprodes*); Longnose Dace (*Rhinichthys cataractae*); Mimic Shiner (*Notropis volucellus*); Mottled Sculpin (*Cottus bairdii*); Muskellunge (*Esox masquinongy*); Ninespine Stickleback (*Pungitius pungitius*); Northern Brook Lamprey (*Chthyomyzon fossor*); Northern Pearl Dace (*Margariscus nachtriebi*); Northern Pike (*Esox lucius*); Northern Redbelly Dace (*Chrosomus eos*); Percidae sp. (*Percidae* sp.); Pumpkinseed (*Lepomis gibbosus*); Quillback (*Carpodius cyprinus*); Rainbow Smelt (*Osmerus mordax*); Rainbow Trout (*Oncorhynchus mykiss*); Rock Bass (*Ambloplites rupestris*); Salmonidae sp. (*Salmonidae* sp.); Sauger (*Sander canadensis*); Shorthead Redhorse (*Moxostoma macrolepidotum*); Slimy Sculpin (*Cottus cognatus*); Smallmouth Bass (*Micropterus dolomieu*); Spottail Shiner (*Notropis hudsonius*); Trout-perch (*Percopsis omiscomaycus*); Walleye (*Sander vitreus*); White Perch (*Morone americana*); White Sucker (*Catostomus commersonii*); Yellow Perch (*Perca flavescens*).

b) Criteria species.