

ENVIRONMENTAL SURVEYS

Type of Study	Description	Results
Winter Caribou Aerial Survey	An aerial survey was completed in the winter of 2018 between the northwestern limit of Pukaskwa National Park to the west of the Wawa Transformer Station.	No evidence of Woodland Caribou was observed.
Spring Wildlife Reconnaissance Survey	A survey took place in May 2018 to identify significant wildlife habitat features, accessibility of various wildlife habitat features and any health or safety concerns in areas where field surveys are taking place.	The details on wildlife and wildlife habitat were used to inform the planning, siting and access for other natural history surveys conducted.
Crepuscular Bird Survey	Surveys for Eastern Whip-poor-will and Common Nighthawk were completed during May to July 2018	Crepuscular bird surveys did not result in the observation of Eastern Whip-poor-will.
Amphibian Call Count Survey	Amphibian call counts were conducted and the sites were surveyed twice across spring and early summer to account for spring and summer-breeding species.	Four amphibian species were identified within the study area for the preferred route around Dorion and between Pukaskwa National Park and Wawa.
Breeding Bird Point Count Survey	Inventories for migratory and year-round resident bird species within the project study area were conducted.	All species that were identified during the breeding bird point count surveys have a provincial secure or apparently secure status.
Bat Maternity Roost Snag Density Survey	Tree snag density surveys and maternity roost habitat assessments were conducted.	In total, 91 trees across 40 survey plots were identified as candidate sites for bat maternity roost habitat, each found to have a cavity and/or loose bark and/or crack, among other snag attributes identified within the protocols.
Bat Acoustic Detection Survey	Acoustic surveys to detect bats were conducted along the proposed preferred route, as well as along proposed temporary access roads.	A total of 7 bat species were recorded during the 2018 acoustic survey.
Fish Habitat Assessment	Aquatic field surveys, fish and fish habitat surveys and fish community sampling was conducted at each water body crossing examined.	Of the 262 sampled watercourse crossings, 127 were found to be fish bearing, while 71 sites had no fish captures.

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Vegetation Community Survey	Vegetation surveys were conducted along the project route in order to characterize and assess the vegetation that is most likely to be directly impacted by the undertaking.	No rare vegetation communities were encountered during 2018 field studies. No species listed as imperilled (S2) or vulnerable (S3) were found during the 2018 vegetation surveys, nor were any federally listed species (SARA, COSEWIC) located.
Archaeological Assessment	Under the EA Act all projects subject to approval are required to complete an archaeological assessment for areas that may be disturbed as a result of the Project. The archaeological program will focus on areas not previously assessed.	Surveys are ongoing. To date, approximately 9 archaeological spots of further interest have been identified. Further results will be documented in the EA report.
Cultural Heritage Assessment Report	A Cultural Heritage Assessment Report (CHAR) will be prepared to document known Built Heritage Resources (built structures) and Cultural Heritage Landscapes within the Project study area.	Surveys are ongoing. Results will be documented in the EA report.
Noise Assessment	A noise assessment will be completed to identify points of reception to determine potential change in daytime noise levels resulting from the Project during the construction and operation phases. Mitigation and/avoidance measures will be described to minimize potential noise impacts.	Analysis is ongoing. Results will be documented in the EA report.
Air Quality Assessment	An air quality assessment will be completed to evaluate potential effects to air quality during construction. Mitigation and/avoidance measures will be described to minimize potential air quality impacts.	Analysis is ongoing. Results will be documented in the EA report.
Greenhouse Gases Assessment	An assessment of the effects the Project may have on greenhouse gases will be completed to characterize emissions that may be emitted during construction. The estimated emissions will be compared to Ontario and Canada-wide greenhouse gas emissions.	Analysis is ongoing. Results will be documented in the EA report.
Visual Assessment	Impacts to the existing visual landscapes will be assessed from key viewpoints located at different vantages along the preferred route for the Project. Visual simulations will identify the visual change expected from the Project.	Analysis is ongoing. Results will be documented in the EA report.