

Consolidated List of Commitments

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• Prior to permitting or construction, the proponent shall work with MNR to develop mitigation measures, monitoring programs, and management plans related to potential impacts on MNR interests, as applicable. These plans will be shared with MNR for review and comment, and MNR input will be incorporated where appropriate. The proponent shall implement the final measures and plans in accordance with applicable legislative and permitting requirements.
2	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to work with Marten Falls First Nation throughout Project planning, including detail design, to review existing or develop appropriate mitigation or avoidance measures (e.g., where aggregate site buffers greater than 100 m may be required for certain waterbodies), where possible.
3	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The owner / operator of the Community Access Road will implement a policy requiring all construction vehicles to remain on designated access roads, within the construction site, or at the construction camp at all times.
4	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will develop and implement a Cultural Awareness and Community Engagement Plan, in consultation with Marten Falls First Nation, building on the measures outlined in Section 13.1.4 of the Final EA/IS. The Plan will be developed prior to construction and implemented throughout construction and operations. The Plan will include cultural competency training for Project personnel, engagement protocols, and procedures for receiving, documenting, and responding to community concerns.
5	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The owner / operator of the Community Access Road will provide Indigenous community members with the opportunity to harvest traditional use plants from areas scheduled for land clearing prior to construction, where safe and practicable.
6	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will provide all necessary documentation and information requested by the Province to facilitate compensation claims by affected trapline holders, as appropriate.
8	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction	• Indigenous Community	• The owner / operator of the Community Access Road will construct the road in a way that minimizes disturbance to culturally sensitive sites wherever possible. • 2. The owner / operator of the Community Access Road will work with all potentially impacted Indigenous communities prior to construction to identify potential burial sites and other culturally sensitive areas, and will avoid or minimize disturbance to these areas wherever possible.
9	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The owner / operator of the Community Access Road will work with all potentially impacted Indigenous communities to better understand cultural, spiritual, and / or historical areas that may interact with the construction Disturbance Area and to identify strategies to avoid or minimize disturbance to these areas.
11	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent and / or owner / operator of the Community Access Road will develop and implement environmental monitoring programs in collaboration with an environmental advisory committee to incorporate Indigenous interests and perspectives, with a Terms of Reference established where no suitable committee exists.
12	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• The owner / operator will, where feasible, implement localized construction restrictions or temporarily pause construction activities in areas where identified Indigenous harvesting activities are occurring and where construction activities may adversely affect harvesting activities or harvester safety, in order to reduce potential interference with harvesting activities. Any such measures will be based on demonstrated conflicts between construction activities and identified harvesting activities. The owner / operator will consider information provided by potentially impacted Indigenous communities when determining appropriate measures to reduce potential interference with harvesting activities. Implementation of any construction restrictions or temporary pauses will be subject to regulatory requirements, safety considerations, engineering requirements, and owner / operator decision-making. • 2. The proponent will engage with all potentially impacted Indigenous communities to identify key harvesting periods and harvesting activities that may interact with construction activities, and will consider this information when developing and implementing measures to reduce potential interference with harvesting activities.

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13	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with all potentially impacted Indigenous communities whose Aboriginal and / or Treaty Rights may be affected by the Community Access Road to better understand specific sites and areas used for hunting, trapping, fishing, and / or traditional use plant harvesting that could be impacted by changes to the availability of resources.
14	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will support Marten Falls First Nation in introductory discussions with the Province on topics related to long-term planning for the community, including signage along the road regarding hunting regulations and restrictions, potential hunting and fishing regulations for the region, monitoring of hunting and fishing activities and other land uses along the road, and the potential development of an Indigenous Conservation Officer Program. The proponent's role will be limited to facilitating discussions, sharing Project-related information, and communicating relevant Project planning and design considerations. Decisions regarding policy, regulation, enforcement, monitoring, and resource management will remain the responsibility of the appropriate provincial authorities.
15	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will provide opportunities for members of all potentially impacted Indigenous communities to participate in Project-related environmental monitoring programs, including consideration of technical training and capacity-building initiatives where feasible, and will collaborate with existing advisory committees to support meaningful Indigenous involvement in monitoring activities.
16	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will design the road and associated bridges to avoid and minimize impacts to sensitive fish and wildlife habitat. Where adverse impacts to protected species or their habitat cannot be avoided, the proponent will comply with all applicable requirements under the Species Conservation Act, 2025 and associated regulations.
17	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• To the greatest extent feasible, the proponent of the Community Access Road will continue to engage with Marten Falls First Nation to identify Saskatoon berry and highbush cranberry areas and will seek to avoid or minimize impacts to these areas during clearing for construction.
18	• Aboriginal and / or Treaty Rights and Interests	• Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will bring forward and discuss Marten Falls First Nation concerns and recommendations regarding recreational harvesting management and monitoring with the Province.
19	• Aboriginal and / or Treaty Rights and Interests	• Construction • Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will maintain readily available holding bays and designated gravel- or cement-based backfilling areas during construction activities to minimize the risk of material spills and facilitate timely spill containment and response.
23	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will consider barriers along bridge crossings to reduce the risk of spills entering waterways.
28	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with Marten Falls First Nation to better understand the use and significance of travel routes that may be affected by the Project.
29	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• The proponent of the Community Access Road will provide Indigenous communities with advance notice and regular updates regarding location and timing of construction activities, including bridge construction, blasting operations, and specific locations where waterway and overland travel may be temporarily restricted.
30	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• Where the Community Access Road intersects with existing travel routes used by Marten Falls First Nation members, the proponent will create temporary detour routes for snowmobiles, all-terrain vehicles, and canoes with associated signage in both English and Indigenous languages.
31	• Aboriginal and / or Treaty Rights and Interests	• Operations and Maintenance	• Indigenous Community	• The proponent and the owner / operator of the Community Access Road will provide signed access ramps for motorists at locations where the Community Access Road bisects existing overland travel routes, where such ramps are required to maintain access and where their provision is feasible considering safety, engineering, environmental, and property constraints.

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32	Aboriginal and / or Treaty Rights and Interests	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	- The owner / operator of the Community Access Road will support a collaborative role for Marten Falls First Nation and Aroland First Nation in matters related to road maintenance, management, and permitting through information sharing and engagement opportunities. For greater certainty, this commitment does not create shared responsibility, co-management, approval authority, decision-making authority, or any ownership or operational responsibility with respect to road maintenance, operations, permitting, asset management, or regulatory compliance. 2. The proponent and owner / operator of the Community Access Road will participate in and support discussions with Aroland First Nation and the Province regarding Aroland First Nation's proposed operations. Participation in these discussions is for information-sharing and engagement purposes only and does not create shared responsibility, co-management, approval authority, decision-making authority, or any ownership or operational responsibility with respect to road maintenance, operations, permitting, asset management, or regulatory compliance.
33	Aboriginal and / or Treaty Rights and Interests	Construction	Indigenous Community	The proponent of the Community Access Road will design and construct water crossings to minimize disruption to navigation where feasible. Any temporary navigation closures will be planned in collaboration with all potentially impacted Indigenous communities to minimize disruption to waterway users, including consideration of the timing and duration of closures where feasible, and will be communicated in advance.
35	Aboriginal and / or Treaty Rights and Interests	- Construction - Operations and Maintenance	Indigenous Community	The owner / operator of the Community Access Road will provide Indigenous Communities with advance notice of and updates on non-routine maintenance activities, including significant quarry activities such as quarry development, expansion, or material extraction, where such activities may reasonably affect community access, travel routes, harvesting activities, or resource users. Routine operational activities will not require advance notification.
37	Aboriginal and / or Treaty Rights and Interests	Operations and Maintenance	Indigenous Community	The proponent of the Community Access Road will engage with Marten Falls First Nation members to inform decisions regarding the use of aggregate sites. Input received will be considered in identifying sites to be used or avoided in order to minimize the potential for, and magnitude of, Project-related adverse effects. The selection of aggregate sources will also be subject to engineering, environmental, operational, property, and regulatory considerations.
38	Aboriginal and / or Treaty Rights and Interests	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will continue to engage with members of all potentially impacted Indigenous communities to better understand the importance, nature, and frequency of traditional land and resource use in areas identified through Indigenous Knowledge and community input that may interact with the Project. Information received will be considered during detail design to inform Project siting and support the avoidance or minimization of potential effects on traditional land and resource use.
39	Aboriginal and / or Treaty Rights and Interests	Construction	Indigenous Community	The proponent of the Community Access Road will continue to engage with all potentially impacted Indigenous communities to better understand community priorities related to the locations, resources, and timing of cultural traditions, as well as areas of importance for teaching and knowledge sharing. Information shared by Indigenous communities will be considered during Project planning and detail design to support the avoidance or minimization of potential effects on cultural practices and the transmission of Indigenous Knowledge.
40	Aboriginal and / or Treaty Rights and Interests	Construction	Indigenous Community	The proponent of the Community Access Road will consider information provided by Marten Falls First Nation during detail design and, where feasible and subject to engineering, environmental, safety, and regulatory requirements, avoid locating the route alignment within areas identified as important for the practice and teaching of cultural traditions.
41	Aboriginal and / or Treaty Rights and Interests	Construction	Indigenous Community	The proponent and owner / operator of the Community Access Road will, in consultation with affected Indigenous communities, incorporate local Indigenous language(s) on road signage, where appropriate.
42	Aboriginal and / or Treaty Rights and Interests	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will continue to work with Marten Falls First Nation to identify and flag culturally sensitive areas prior to construction, where information is provided by the community. Information received will be considered in planning excavation and ground disturbance activities to support the avoidance or minimization of potential effects on culturally sensitive areas, where feasible and subject to safety, engineering, and regulatory requirements.

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43	Aboriginal and / or Treaty Rights and Interests	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	The proponent and owner / operator of the Community Access Road will collaborate with Marten Falls First Nation during detail design and construction planning to identify, avoid, and protect burial sites and other culturally sensitive locations.
45	Aboriginal and / or Treaty Rights and Interests	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent of the Community Access Road will continue to engage with Aroland First Nation to better understand the significance, use, and spatial extent of activities associated with trapline areas GE148 and GE153, as well as other areas identified by the community. Information shared through engagement will be considered during detail design and construction planning to identify locations where Project activities may interact with Indigenous land use and to support the avoidance or minimization of potential effects.
46	Aboriginal and / or Treaty Rights and Interests	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent of the Community Access Road will continue to engage and collaborate with Aroland First Nation throughout Project planning, including detail design, to review existing mitigation and avoidance measures and identify or develop additional measures, where feasible, to avoid or minimize potential Project-related effects.
47	Aboriginal and / or Treaty Rights and Interests	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent of the Community Access Road will continue to engage with Aroland First Nation to identify and better understand specific areas used for hunting, trapping, fishing, and traditional plant harvesting that may be affected by Project activities or changes in resource availability.
50	Aboriginal and / or Treaty Rights and Interests	- Construction - Operations and Maintenance	Indigenous Community	The owner / operator of the Community Access Road will implement Fisheries and Oceans Canada and applicable Ontario Species at Risk requirements and guidance, including requirements applicable to species listed on the Protected Species in Ontario List (O. Reg. 60/26), as well as timing windows, sediment and erosion control measures, and stormwater management practices, during the construction, upgrade, and operation of water crossings and bridge structures. Particular attention will be given to protecting sensitive fish habitats, including identified spawning areas and sturgeon habitat, where present.
52	Aboriginal and / or Treaty Rights and Interests	- Construction - Operations and Maintenance	Indigenous Community	The owner / operator of the Community Access Road will implement the applicable Best Management Practices for Aggregate Activities and Woodland Caribou in Ontario (Government of Ontario, 2024, as cited in Shared Value Solutions, 2024) and follow the guidance provided in the Recovery Strategy for the Woodland Caribou, Boreal Population, in Canada (Environment Canada, 2012, as cited in Shared Value Solutions, 2024) within areas of known woodland caribou habitat. Where appropriate, mitigation measures will also be considered and applied within potential woodland caribou habitat, based on the best available information, including Boreal Caribou Habitat Mapping and available collaring information.
53	Aboriginal and / or Treaty Rights and Interests	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	The proponent and owner / operator of the Community Access Road will engage Aroland First Nation in discussions with the Crown regarding matters related to the road's jurisdiction, access, and control. Opportunities for Aroland First Nation input will be provided during the development of road jurisdiction arrangements, access management frameworks, and control agreements, prior to those arrangements being finalized.
55	Aboriginal and / or Treaty Rights and Interests	Construction	Indigenous Community	The owner / operator of the Community Access Road will provide opportunities for and support the participation of archaeological and environmental monitors from potentially impacted Indigenous communities during road construction activities. Funding for these positions will be provided in accordance with applicable requirements and practices, subject to the scope and duration of monitoring activities.
56	Aboriginal and / or Treaty Rights and Interests	Construction	Indigenous Community	The proponent of the Community Access Road will continue engagement with Attawapiskat First Nation to better understand preferences regarding the locations, resources, and timing of cultural traditions, and areas that are important for teaching and knowledge sharing.
57	Aboriginal and / or Treaty Rights and Interests	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will, where feasible, avoid preferred or important locations used by Attawapiskat First Nation for the practice and teaching of cultural traditions during detail design of the route alignment.
58	Aboriginal and / or Treaty Rights and Interests	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent of the Community Access Road will continue to engage with Animbiigoo Zaagi'igan Anishinaabek to better understand the significance and uses of the Ogoki and Albany Rivers, including specific locations that may interact with the construction Disturbance Area.

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59	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to work with Animbiigoo Zaagi'igan Anishinaabek throughout Project planning, including detail design, to review existing or develop appropriate mitigation or avoidance measures, where possible.
60	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with Animbiigoo Zaagi'igan Anishinaabek to better understand specific sites and areas used for hunting, trapping, fishing, and / or traditional use plant harvesting that could be impacted by changes to the availability of resources.
61	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will design and construct water crossings on waterways identified by Marten Falls First Nation and Animbiigoo Zaagi'igan Anishinaabek as navigable to minimize disruptions to navigation where feasible. Where temporary navigation closures are required, the proponent will collaborate with Marten Falls First Nation and Animbiigoo Zaagi'igan Anishinaabek to minimize disruption to waterway users where feasible and will communicate closures in advance, taking into consideration construction schedules, safety requirements, hydraulic conditions, and regulatory requirements.
62	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with Eabametoong First Nation to better understand the significance and current uses of trapline areas GE148, GE153, and other areas identified by the community, including any specific locations that may interact with the construction Disturbance Area, and will consider this information in project planning, impact assessment, and the development of appropriate mitigation measures, where applicable.
63	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to engage with Eabametoong First Nation to review existing mitigation and avoidance measures and, where feasible, develop additional measures to address identified concerns related to the Community Access Road.
64	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• The proponent of the Community Access Road will continue engagement with Eabametoong First Nation to identify and better understand travel routes and trails that may be affected by construction activities within the construction Disturbance Area.
65	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to engage with Fort Albany First Nation to better understand the use of travel routes and trails that may interact with or be affected by the construction Disturbance Area.
66	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with Ginoogaming First Nation to better understand the significance and uses of trapline areas GE138 and GE153 and the Painter Lake area, including in terms of specific locations that may interact with the construction Disturbance Area.
67	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to work with Ginoogaming First Nation to review existing or develop appropriate mitigation or avoidance measures, to avoid potential impacts to their Aboriginal and / or treaty rights where possible.
68	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with Ginoogaming First Nation to better understand the use of trapline area GE138, including in terms of travel routes / trails that may interact with the construction Disturbance Area.
69	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will engage and involve Indigenous community members, where interested and available, in environmental field studies, monitoring, and data collection activities throughout the Project lifecycle to facilitate the integration of Indigenous Knowledge and community perspectives into monitoring and management programs. Participation opportunities will be provided where appropriate to the activity being undertaken, and subject to safety requirements, scheduling considerations, qualifications, training requirements, and available Project resources.
70	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will consider establishing a process for collecting, documenting, and incorporating seasonal observations from Indigenous hunters, trappers, and land users with firsthand knowledge of caribou and moose movements to complement scientific information and provide real-time information.

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71	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with Kashechewan First Nation to better understand the significance and uses of specific locations that may interact with the construction Disturbance Area.
72	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to work with Kashechewan First Nation to review existing or develop appropriate mitigation or avoidance measures, to avoid potential impacts to their Aboriginal and / or treaty rights where possible.
73	• Aboriginal and / or Treaty Rights and Interests	• Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to communicate with Kashechewan First Nation to better understand the use of travel routes / trails that may interact with the construction Disturbance Area.
74	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will avoid preferred or important locations used by Indigenous Communities for the practice and teaching of cultural traditions in the route alignment during detail design, where feasible.
75	• Cultural Heritage and Resources (Archeology)	• Detail Design / Pre-Construction	• Ministry of Heritage, Sport, Tourism and Culture Industries	• The proponent of the Community Access Road will continue to refine the Construction Disturbance Area within the Preferred Route, using micro-siting to avoid adverse impacts to the Mid-Albany Cultural Heritage Landscape and associated potential heritage attributes, wherever possible.
76	• Cultural Heritage and Resources (Archeology)	• Detail Design / Pre-Construction	• Ministry of Heritage, Sport, Tourism and Culture Industries	• The proponent of the Community Access Road will inform construction personnel of the location of the Mid-Albany Cultural Heritage Landscape and its associated heritage attributes prior to construction activities occurring in the area. • The proponent of the Community Access Road will confine construction-related activities to the proposed right-of-way of the Preferred Route. • In consultation with Marten Falls First Nation and Aroland First Nation, the owner / operator of the Community Access Road will establish a construction monitoring process that includes no-go zones and other procedures to avoid or minimize impacts to the heritage attributes of the Mid-Albany Cultural Heritage Landscape. The location and extent of no-go zones will be informed by completed investigations and community input, where available, and will be implemented where feasible, subject to safety, engineering, and regulatory requirements.
77	• Cultural Heritage and Resources (Archeology)	• Detail Design / Pre-Construction	• Ministry of Heritage, Sport, Tourism and Culture Industries	• If changes to the Community Access Road result in new anticipated effects or the refinement and / or expansion of the Study Area, a Qualified Person will review the Cultural Heritage Evaluation Report and update its recommendations, as required.
78	• Cultural Heritage and Resources (Archeology)	• Detail Design / Pre-Construction	• Ministry of Heritage, Sport, Tourism and Culture Industries	• Where proposed exploratory activities are not subject to, or have not been screened through, the environmental planning process or another equivalent process, heritage due diligence may be addressed through a Qualified Person–led review of the proposed activities against existing cultural heritage, archaeological, and Indigenous Knowledge information. This review may be documented through a brief memorandum to the Project Team confirming that: – Proposed exploratory activities are not adversely impacting the identified or potential heritage attributes or the Cultural Heritage Value or Interest of the Mid-Albany Cultural Heritage Landscape; – No-go zones or avoidance areas have been identified where applicable; and – No Heritage Impact Assessment is required at this stage. • Project correspondence and documentation confirming either Ministry of Natural Resources Environmental Assessment screening or Qualified Person review shall be retained as part of the project record.
79	• Cultural Heritage and Resources (Archeology)	• Detail Design / Pre-Construction	• Ministry of Heritage, Sport, Tourism and Culture Industries	• Where exploratory activities are determined, either through Ministry of Natural Resources screening or Qualified Person review, to have the potential to result in adverse impacts to identified or potential heritage attributes or to the Cultural Heritage Value or Interest of the Mid-Albany Cultural Heritage Landscape, a Heritage Impact Assessment may be required. Any such assessment will evaluate potential impacts, including residual and long-term impacts, and identify mitigation measures to conserve the heritage values of the landscape.
80	• Cultural Heritage and Resources (Archeology)	• Detail Design / Pre-Construction	• Ministry of Heritage, Sport, Tourism and Culture Industries	• The proponent of the Community Access Road will notify Kashechewan First Nation of any archaeological finds during all future archaeology assessments associated with the Community Access Road.

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81	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	- To minimize visual glare and reflectivity from road infrastructure, the owner / operator of the Community Access Road will consider: – using matte, weathering, or other low-reflectance finishes on exposed steel components; – incorporating colour treatment, texturing, or other low-glare surface finishes for exposed concrete, where practicable; – using non-glare fasteners and hardware; and – avoiding bright, highly reflective, or specular surface finishes on permanent structures.
82	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	- The owner / operator of the Community Access Road will maintain visible openings at shorelines to the smallest practicable width that meets safety and engineering requirements when implementing meandering clearing limits. - The owner / operator of the Community Access Road will feather clearing edges and retain vegetation clumps and shrub screens, where feasible, when implementing meandering clearing limits.
83	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	- The proponent of the Community Access Road will design and construct embankments to follow adjacent natural slopes, where feasible. - The owner / operator of the Community Access Road will use locally sourced rock, where available and suitable, for shoreline shaping and abutment treatment. - The owner / operator of the Community Access Road will place coarse woody debris, where feasible, to restore natural shoreline texture and habitat features.
84	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	- For construction lighting, the owner / operator of the Community Access Road will prohibit floodlights and any lighting that directs light upward or beyond the immediate work area. - For construction lighting, the owner / operator of the Community Access Road will use only downward-facing, fully shielded task lighting required for active construction activities. - The owner / operator of the Community Access Road will minimize nighttime lighting and will extinguish non-essential construction lighting between sunset and sunrise, except where required for worker safety, security, or emergency response.
85	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	- For areas located outside identified view cones, the owner / operator of the Community Access Road will locate temporary staging areas, batch plants, and stockpiles behind existing landforms or retained vegetation to the extent practicable. - The owner / operator of the Community Access Road will limit stockpile heights to below the surrounding treeline, where site conditions and operational requirements permit.
86	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	The owner / operator of the Community Access Road will, where practicable, schedule visually intensive construction activities outside peak paddling and cultural use periods identified through engagement with Indigenous communities and outfitters.
87	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	- For dust and surface management, the owner / operator of the Community Access Road will apply water or an approved dust suppressant to roads, work areas, and other dust-generating surfaces as required. - For dust and surface management, the owner / operator of the Community Access Road will cover or otherwise stabilize stockpiles to minimize wind-blown dust. - For dust and surface management, the owner / operator of the Community Access Road will promptly stabilize exposed soils as soon as practicable following construction activities. - For dust and surface management, the owner / operator of the Community Access Road will clean hard surfaces at staging areas
88	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	- The owner / operator of the Community Access Road will establish native vegetation through seeding or natural regeneration in progressively reclaimed areas where organics have been salvaged and respread. - The owner / operator of the Community Access Road will decommission temporary access features in progressively reclaimed areas. - The owner / operator of the Community Access Road will restore topography in progressively reclaimed areas following the salvage and respread of organics.

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89	• Visual	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• During operations vegetation management, the owner / operator of the Community Access Road will maintain established vegetation buffers and feathered vegetation edges. • During operations vegetation management, the owner / operator of the Community Access Road will use selective trimming wherever feasible and will minimize the use of broad brushing. • During operations vegetation management, the owner / operator of the Community Access Road will retain shrubs, where safe and practicable, to provide visual screening. • Herbicides will not be used for operations vegetation management.
90	• Visual	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• During operations, the owner / operator of the Community Access Road will not install continuous roadway or bridge lighting for nighttime use. Temporary task lighting will be used only as required for maintenance activities, inspections, or emergency/incident response.
91	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	• Where field validation confirms direct headlight lines of sight from the Community Access Road to adjacent sensitive receptors, the owner / operator of the Community Access Road will implement visual screening measures, such as vegetated berms and / or dense native vegetation planting, to reduce headlight visibility. • To reduce direct headlight visibility, the owner / operator of the Community Access Road will adjust the location and alignment of the access approach within the road right-of-way, where feasible and subject to engineering, safety, and regulatory requirements.
92	• Visual	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will co-develop the final finish palette, edge form, and opening limits with Indigenous knowledge holders, and community members. This will include site walks, workshops and sharing mock-ups of the final design.
93	• Visual	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide advance notice to affected communities prior to construction or maintenance activities that are expected to result in prominent visual disturbance. • The owner / operator of the Community Access Road will maintain one or more designated viewing and gathering areas with minimal artificial lighting and limited disturbance, located away from direct views of the bridge, for use by Elders and youth during culturally important seasons identified through community engagement.
94	• Visual	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will conduct baseline and follow-up photo-monitoring and field verification (ground-truthing) at identified no-go locations using fixed, surveyed photo-monitoring stations. At a minimum, monitoring will be conducted at the Albany River crossing, Ogoki River crossing, and the Marten Falls community approach during both daytime and nighttime conditions.
97	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will consider the visibility of temporary construction staging areas from identified absolute no-go and priority areas during construction planning and will implement reasonable measures to minimize visual intrusion where feasible. • The owner / operator of the Community Access Road will provide advance notice to affected communities regarding the timing, location, and expected duration of construction activities.
98	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will: – implement feathered vegetation edges at major crossing locations, where feasible; – retain existing screening vegetation where safe and practicable; and – restore disturbed shoreline areas using naturalized grading and locally sourced materials where appropriate.
99	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement screening measures, including low berms or dense vegetation plantings, to reduce headlight visibility at validated sensitive viewpoints and other identified protected or priority locations, where feasible.
100	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will progressively reclaim temporary disturbance areas through organics replacement and native seeding, where appropriate.
101	• Visual	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will coordinate lighting, staging, and construction sequencing with the Northern Road Link project and the Anaconda and Painter Lake project at shared locations, where feasible, to reduce cumulative visual disturbance during periods of overlapping construction activity.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
102	• Land and Resource Use	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent of the Community Access Road will continue to work with Marten Falls First Nation through the Draft Community Based Land Use Plan process to identify Dedicated Protected Areas. It is anticipated that lands adjacent to the Project may be included within Dedicated Protected Areas to help control future development.
104	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will continue to engage with Marten Falls First Nation and Aroland First Nation regarding land and resource use planning and land use compatibility considerations, including the discussion of relevant measures, as new information becomes available through ongoing discussions.
105	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will consider relevant information from Constance Lake First Nation's Community Based Land Use Plan, as it becomes available, in Project land use planning and land use compatibility considerations.
106	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will follow provincial standards and specifications for road and water crossing rehabilitation for all maintenance and operation works performed on the Community Access Road.
107	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will comply with all environmental legislation for all maintenance and operation works.
108	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will minimize clearing and land disturbance within Parks. Temporary work areas, including staging areas, will be located outside park boundaries wherever feasible.
109	• Land and Resource Use	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will monitor for the development of side trails and roads and will implement measures, where appropriate, to limit their extension into park boundaries. • The proponent of the Community Access Road will support discussions between Marten Falls First Nation and Ontario Parks regarding the need for access control measures for parks and protected areas, where applicable.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
110	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will monitor and limit the development of side trails and roads that may extend into parks.
111	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will continue engagement with Ontario Parks on the progress of the road design. • The owner / operator of the Community Access Road will provide advance notice of construction to give park users ample notice of proposed construction or maintenance occurring near the parks.
112	• Land and Resource Use	• Detail Design / Pre-Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• Marten Falls First Nation and the owner / operator of the Community Access Road will have further discussions with Ontario Parks regarding the Albany River crossing (bridge design), access issues, and user impacts as well as need for updates to the Ogoki and Albany River Provincial Parks.
113	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will further explore any potential access considerations through ongoing consultation with Ontario Parks so that future decisions align with park management objectives and protection priorities.
114	• Land and Resource Use	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent and owner / operator of the Community Access Road will design and install water crossing structures that maintain flow and drainage and provide for fish passage and navigation, where applicable.
115	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will minimize vegetation clearing to only what is required for construction and staging.
116	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will provide signage along the Preferred Route to inform road users about possible interaction with recreation users, wildlife and restrictions.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
117	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent of the Community Access Road will discuss possible restrictions for hunting in the Project Area with the Ministry of Natural Resources.
118	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will assess the need for parking control along roadway for safety reasons.
119	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will implement progressive reclamation and revegetation of disturbed areas no longer required following construction (laydown areas and construction camps).
120	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will consider the installation of Crimestoppers signage that discourages poaching and provides the public with a number to call if witnessing poaching or illegal hunting.
121	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will assess the need for parking control along right-of-way shoulder for safety reasons.
122	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will maintain a cleared width of 60 m, buffer zones of 30 m around waterbodies, and vegetation clearing activities will be limited.
123	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will consider engagement with Ministry of Natural Resources to discuss data collection related to fish through broadscale monitoring or creel surveys to monitor populations.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
126	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent of the Community Access Road will consider future mining equipment vehicles use of the road during detail design and maintain to a specific standard to accommodate heavy machinery or the number of vehicles.
127	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• Should any merchantable timber be felled within the Ogoki Forest Management area for the construction of the Project, the owner / operator will determine the value of the timber.
128	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent of the Community Access Road will continue to review the Ogoki Annual Work Schedule for harvesting and silvicultural operations during detail design if trees are required to be harvested for road construction.
129	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will continue consultation with the Forestry Company regarding road upgrades or planned construction in order to not disrupt harvesting or silvicultural activities.
130	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will continue to engage with impacted outfitters and camp owners. • The owner / operator of the Community Access Road will review and update mitigation measures, as appropriate, based on input received from trappers.
131	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will provide at least one year notice to the remote outfitters in advance of construction start.
132	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will implement mitigation measures for air quality, noise, visual, surface water, fish, wildlife, and ungulates as outlined in the appropriate technical support documents.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
133	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will not permit the possession and use of firearms for construction personnel.
134	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will restrict public access to the Community Access Road corridor during construction. • The owner / operator of the Community Access Road will gate temporary access roads and block and restore as soon as possible after they are no longer needed. • The owner / operator of the Community Access Road will gate permanent access roads used for maintenance activities while not in use.
137	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will consider monitoring for vehicle-wildlife collisions and provide annual reports to the Ministry of Natural Resources to analyze impacts to populations due to vehicular collisions.
139	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will install signage at known trapping access points to notify trappers of future construction activities.
141	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator will restrict access to the Community Access Road corridor to authorized workers during construction.
142	• Land and Resource Use	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will reclaim temporary access roads and other temporary construction infrastructure after construction activities are complete and the infrastructure is no longer required.
143	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will mark beaver lodges as sensitive sites and implement measures to protect them during construction and maintenance activities.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
144	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent of the Community Access Road will continue engagement with trappers throughout Detail Design.
147	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will undertake the applicable Environmental Assessment and / or Impact Assessment process for any potential energy and linear infrastructure projects that may be introduced along the Community Access Road right-of-way, to determine impacts and identify mitigation and enhancement measures.
148	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent and owner / operator of the Community Access Road will communicate with trapline holders in advance of and during construction using multiple methods, including letters and signage around the future construction Disturbance Area.
149	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will permit affected trapline holders to travel through the Project Corridor during construction, subject to applicable health and safety requirements.
150	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will include Marten Falls First Nation in discussions related to land and resource use planning activities for the management of new development projects that are proposed due to new access provided by the Community Access Road.
151	• Land and Resource Use	• Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will continue to engage with Aroland First Nation regarding land and resource use planning and any additional measures relevant to Land Use Compatibility as information becomes available through ongoing discussions.
153	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent of the Community Access Road will continue to consult with Ontario Parks to develop an aesthetically pleasing bridge structure and determine appropriate access or restrictions at the Albany River.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
154	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will continue consultation with Ministry of Natural Resources and Ministry of Tourism Culture and Gaming to seek feedback related to potential introduction of access.
155	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will collaborate with the Ministry of Natural Resources on appropriate signage related to messaging on poaching, legal hunting, fishing or potential portage crossing (at Ogoki River).
156	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will engage with Wabassi Resources Inc. regarding their exploratory mining lease on lands of aggregate site SG-20.
157	• Land and Resource Use	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The owner / operator of the Community Access Road will engage with GreenForest Management Inc. to discuss the Annual Work Schedules as part of the Ogoki Forest Management Plan (2020-2030, and future plans) to learn of future vegetation clearing which could align with future construction as well as potential access through Painter Lake Road required for forestry operations.
158	• Land and Resource Use	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Mines • Owner of Road • Ministry of Environment Conservation and Parks • Ministry of Tourism and Gaming • Ministry of Energy	• The proponent of the Community Access Road will continue to consult with remote outfitters as the Detail Design phase progresses.
160	• Atmospheric Environment	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Health Canada • Environment and Climate Change Canada • Ministry of Transportation • Ministry of Natural Resources	• The proponent of the Community Access Road will develop a construction best management plan prior to construction. The owner / operator of the Community Access Road will implement the measures identified in plan during construction. • The proponent of the Community Access Road will develop a fugitive dust management plan prior to construction. The owner / operator of the Community Access Road will implement the plan during construction.
162	• Atmospheric Environment	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Health Canada • Environment and Climate Change Canada • Ministry of Transportation • Ministry of Natural Resources	• The owner / operator of the Community Access Road will consider input gathered through technical monitoring programs related to potential air quality concerns and evaluate the need for future mitigation and monitoring measures.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
163	• Atmospheric Environment	• Construction	- Ministry of the Environment, Conservation and Parks - Health Canada - Environment and Climate Change Canada - Ministry of Transportation - Ministry of Natural Resources	The owner / operator of the Community Access Road will develop a construction Monitoring Plan to verify that best management practices are implemented and that mitigation measures are effective. Where monitoring indicates that mitigation measures are not effectively reducing impacts, the owner / operator will review and revise mitigation measures as appropriate.
164	• Atmospheric Environment	• Construction	- Ministry of the Environment, Conservation and Parks - Health Canada - Environment and Climate Change Canada - Ministry of Transportation - Ministry of Natural Resources	The owner / operator of the Community Access Road will re-evaluate the potential effects of temporary work camps following final design and consider the need for additional mitigation measures, where appropriate.
167	• Wildlife	- Construction - Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	Environmental approval conditions, permits, or authorizations issued for the Community Access Road, including those issued from Environment and Climate Change Canada, Ontario Ministry of the Environment, Conservation and Parks, and Ontario Ministry of Natural Resources, will be followed during construction and Operation and Maintenance by the owner / operator.
168	• Wildlife	• Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator will develop and implement an Environmental Protection Plan that includes policies and actions anticipated to mitigate the attraction of wildlife to the construction Disturbance Area, particularly near the temporary construction staging areas and temporary construction camps.
169	• Wildlife	- Construction - Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	- A Waste Management Plan will be developed and implemented by the owner / operator that describes the appropriate management of solid, liquid and hazardous waste, including the following: – construction related garbage, debris, and surplus materials. – Hazardous materials such as used oil, filter and grease cartridges, and lubrication containers. – Domestic garbage and camp waste (i.e., food and grey water). Portable, secure, solid waste receptacles will be provided on work sites, temporary laydown areas and temporary construction camps and will be periodically emptied.
170	• Wildlife	• Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	Construction staff will be educated about the hazards of littering and feeding wildlife. A no littering policy will be implemented and enforced by the owner / operator.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
171	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will enforce that feeding and harassment of wildlife on site will be prohibited.
172	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will not use de-icing salts on the unpaved Community Access Road during construction or Operation and Maintenance.
173	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will clean up roadkill during construction and Operation and Maintenance following best management practices outlined by Ontario's Ministry of Transportation.
174	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will collect domestic (e.g., food) and industrial (e.g., used oil and lubricants) waste and store temporarily in wildlife proof containers. • The owner / operator will transport all waste off-site for recycling or disposal at a licensed disposal facility.
175	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will store potentially toxic materials that attract wildlife in secure areas that are inaccessible to wildlife (e.g., buildings, storage areas surrounded by wildlife-proof fencing), and toxic materials will be monitored continuously when removed from storage until they are used or returned to storage to prevent wildlife accessing and ingesting the materials.
176	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will have chemical toilets on site emptied regularly by a licensed sewage handling contractor.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
177	• Wildlife	- Construction - Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator will manage roadkill, debris, and waste as per Ontario's Ministry of Transportation's Debris Control Maintenance Quality Standard (MQS-331) and Rest Area / Picnic Site Maintenance Best Practice (MBP-325).
178	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator will implement an Environmental Protection Plan that includes policies and actions for avoiding and minimizing the risks to wildlife from blasting and blasting materials.
179	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator will complete blasting work as quickly as possible to shorten the duration of disturbance to wildlife.
180	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator will not permit quarry blasting, rock crushing or screening, the use of heavy equipment, or other activities that generate loud noises within four kilometres of wolverine dens or suspected wolverine denning sites during the wolverine denning season (January 15 to May 31). If timing windows cannot be adhered to, the owner / operator will follow environmental approval conditions, permits, or authorizations issued for the Community Access Road, including those issued from Environment and Climate Change Canada, Ontario Ministry of the Environment, Conservation and Parks, and Ontario Ministry of Natural Resources.
181	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator will fence off open excavations and blasting areas if they are to be left unsupervised to avoid injury and mortality of wildlife.
182	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator will place a buffer zone around the perimeter of blasting activities and surrounding forested habitat as described in the Blasting Management Plan.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
183	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will suspend blasting within four kilometres of known or potential wolverine denning areas during the denning period (January 15 to May 31) to minimize sensory disturbances. If timing windows cannot be adhered to, the owner / operator will follow environmental approval conditions, permits, or authorizations issued for the Community Access Road, including those issued from Environment and Climate Change Canada, Ontario Ministry of the Environment, Conservation and Parks, and Ontario Ministry of Natural Resources.
184	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will adhere to federal and provincial regulations and guidelines regarding hazardous substance collection and storage, use and handling, and disposal and treatment, such as the federal Transportation of Dangerous Goods Act, Ontario Dangerous Goods Transportation Act, and the Ontario Environmental Protection Act.
186	• Wildlife	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The proponent will limit the Project footprint to the extent feasible.
187	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will retain compatible species (e.g., shrub vegetation, compatible trees, and coarse woody debris) where practicable and where safe to do so.
188	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will avoid clearing maternity roost habitat during the bat maternity roosting period (May 1 to September 30). • If potential maternity roost habitat must be removed during the bat maternity roosting period, the owner / operator will obtain all required permits under the Endangered Species Act, 2007 and implement site-specific mitigation measures developed in consultation with the Ministry of the Environment, Conservation and Parks Species at Risk Branch.
189	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will reclaim temporary access roads and trails, construction camps, turnaround areas, waterbody crossings, and temporary laydown areas at the end of construction.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
190	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will maintain a 30 m buffer around waterbodies. • The owner / operator of the Community Access Road will limit clearing of riparian vegetation to the extent practicable and only as required for the access road and alignment clearing width.
192	• Wildlife	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The proponent and owner / operator of the Community Access Road will develop and implement an Environmental Protection Plan. • The proponent and owner / operator of the Community Access Road will develop and implement a Cleanup and Reclamation Plan. • Where habitat enhancement is identified, the owner / operator of the Community Access Road will plant seedlings, as necessary, to improve reclamation success in areas of temporary disturbance, including temporary access roads, laydown areas, camps, and workspaces. • The owner / operator of the Community Access Road will confirm reclamation plans through engagement with Indigenous communities, the Ministry of Natural Resources, the Ministry of the Environment, Conservation, and Parks Species at Risk Branch, and local foresters. • The owner / operator of the Community Access Road will monitor and manage the effectiveness of reclamation efforts post-construction, including confirming that naturally regenerated or planted vegetation communities are similar to adjacent vegetation communities. • If monitoring indicates that reclamation objectives are not being achieved, the owner / operator of the Community Access Road will employ adaptive management measures to modify or enhance reclamation efforts.
193	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will install artificial bat roost structures within temporary disturbance areas and other appropriate locations within the Local Study Area to offset the loss of little brown myotis and northern myotis roost habitat.
194	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will consider and include the Ministry of Transportation's Best Management Practices for Species at Risk Protection During Maintenance Activities (2017a) in the development of the Environmental Protection Plan for highway maintenance activities.
195	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will minimize the use of nighttime lighting around bat roosting areas during construction, to the extent possible. • The owner / operator of the Community Access Road will limit the idling of construction vehicles and equipment. • The owner / operator of the Community Access Road will avoid night work where feasible.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
196	• Wildlife	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will restrict tree clearing within bat maternity roost habitat during the maternity roost season (May 1 to September 30), where feasible. • If potential maternity roost habitat must be removed during the maternity roost season, the owner / operator of the Community Access Road will comply with applicable Endangered Species Act, 2007 permitting requirements and implement site-specific mitigation measures developed in consultation with the Ministry of the Environment, Conservation and Parks. • The owner / operator of the Community Access Road will conduct pre-clearing surveys to identify potential maternity roost trees within areas proposed for clearing. • The owner / operator of the Community Access Road will obtain all required permits and authorizations prior to undertaking vegetation clearing that may affect bat maternity roost habitat.
197	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will restrict access to the Community Access Road corridor to construction personnel during construction.
198	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will control lighting required for construction of the Community Access Road, including direction and timing to avoid effects on bats, while meeting operational health and safety requirements.
199	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will require contractors to equip noise-producing equipment with noise-reducing components, where feasible, and maintain these components in good working order.
200	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will provide wildlife awareness training for road construction workers to reduce vehicle speeds and associated noise and dust emission levels.
201	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will use industry best practices for blasting activities, including scheduling when in the vicinity of sensitive wildlife sites.

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202	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will retain vegetation buffers around quarries to reduce noise, where feasible.
203	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will post speed limit signage and implement measures to enforce established speed limits to reduce vehicle speeds and associated noise.
204	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator will control lighting required for the operations of the Community Access Road, including direction and timing to avoid effects on bats, while meeting operational health and safety requirements.
205	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will require contractors undertaking maintenance activities to adhere to and implement the mitigation measures established for construction activities, where applicable to the maintenance work being performed.
207	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will minimize habitat loss and alteration to the extent feasible.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
208	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will undertake clearing and grubbing in areas with potential bat roosting habitat outside of the summer roosting period (May 1 to September 30), where feasible. • If clearing or grubbing is required during the summer roosting period, the owner / operator of the Community Access Road will consult with the Ministry of the Environment, Conservation and Parks and implement any required mitigation measures. • The owner / operator of the Community Access Road will conduct surveys, where required, to identify candidate bat roost trees within areas proposed for clearing. • The owner / operator of the Community Access Road will flag candidate roost trees for avoidance during the summer roosting period. • The owner / operator of the Community Access Road will not undertake clearing in areas containing occupied bat roosting habitat.
209	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will require environmental training for workers to include information on species at risk bat roost identification and the procedures to follow if a potential bat roost is identified during project activities.
211	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will implement an Environmental Protection Plan that includes measures to minimize wildlife-vehicle collisions during construction.
213	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will coordinate worker transportation to and from the site to reduce traffic volumes during construction activities.
214	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will require employees and contractors to comply with restrictions that prohibit the use of personal snowmobiles, all-terrain vehicles, and other motorized recreational vehicles; prohibit speeding on project roads; and limit vehicle travel to approved rights-of-way, workspaces, and access roads.

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215	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will develop and implement a reporting protocol and tracking system for incidental wildlife observations and wildlife-vehicle collisions during construction activities.
216	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will block winter roads, temporary access routes, and trails that are no longer required following construction activities.
217	• Wildlife	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The proponent of the Community Access Road will incorporate standard safe road design features and construction methods into detail design.
218	• Wildlife	• Detail Design / Pre-Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The proponent of the Community Access Road will consider the installation of signage at crossings of the Albany River and Ogoki River during detail design to notify motorists of the potential for bat-vehicle collisions and encourage reduced travel speeds at night between May and November. • The owner / operator of the Community Access Road will restrict operation and maintenance traffic to approved rights-of-way, workspaces, access roads, and trails.
220	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will post wildlife awareness signage in areas where wildlife is regularly observed.
221	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will develop and implement a reporting protocol for documenting incidental wildlife observations and wildlife-vehicle collisions during operation and maintenance activities.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
222	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will block winter roads, temporary access routes, and trails that are no longer required as maintenance activities progress.
224	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will use existing access roads, where feasible, for project activities.
225	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will maintain a cleared corridor width of less than 100 m unless a greater width is required for construction activities.
226	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will conduct clearing and grubbing activities outside of the wolverine denning period (January 15 to May 31).
227	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will conduct surveys for potential wolverine dens prior to clearing or grubbing activities during the wolverine denning period and will not conduct construction activities within 4 km of confirmed active wolverine dens during that period. Wolverine aerial survey methods and procedures will be documented in the Environmental Protection Plan.
229	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will avoid construction activities that produce sensory disturbance within 4 km of confirmed active wolverine dens.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
230	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will restrict construction traffic to designated areas.
231	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will limit unnecessary idling of vehicles and equipment on construction sites.
232	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will conduct wolverine den surveys within 4 km of planned quarry operations prior to any quarry activities occurring during the wolverine denning period. • The owner / operator will not conduct quarry operations within 4 km of confirmed active wolverine dens during the denning period. • Wolverine aerial survey methods and procedures will be described in the Environmental Protection Plan.
234	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will restrict wildlife access to waste by collecting domestic and industrial waste for storage in temporary containers until it is transported off-site, regularly emptying chemical toilets, and prohibiting littering, feeding of wildlife, and harassment of wildlife.
235	• Wildlife	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The proponent and / or owner / operator of the Community Access Road will design and construct temporary linear features to decrease predator efficiency by retaining vegetation less than 2 m in height where feasible, minimizing the width of linear features, and incorporating switchbacks and bends into temporary road alignments. • The owner / operator will also reduce predator mobility by limiting snow removal on temporary linear features to situations where it is necessary.
236	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will minimize the ongoing use of inactive construction areas by predators through the implementation of physical control measures, including rollback, removal of creek crossings, recontouring to match surrounding topography, revegetation and / or reforestation, and installation of barriers at junctions with active access routes.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
237	• Wildlife	- Construction - Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will minimize the ongoing attraction of predators to the Project area by removing roadkill in accordance with Ontario Ministry of Transportation best management practices and restricting wildlife access to waste.
238	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will implement progressive reclamation and revegetation as non-permanent features are decommissioned, including reclamation activities and the promotion of natural revegetation where appropriate.
239	• Wildlife	Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will minimize the ongoing use of inactive areas by predators during operation and maintenance through the implementation of physical control measures, including rollback, removal of creek crossings, recontouring to match surrounding topography, revegetation and / or reforestation, and installation of barriers at junctions with active access routes.
240	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will not use herbicides during construction.
241	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will minimize effects on wolverine denning areas by identifying areas with the potential to support wolverine denning through a review of plant community mapping and targeted aerial reconnaissance conducted during the denning period prior to the initiation of construction activities, including clearing and grubbing.
242	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	- The owner / operator of the Community Access Road will notify the local Ministry of the Environment, Conservation and Parks Species at Risk Branch and, where requested, appropriate Indigenous communities if a wolverine den is identified during construction and activities cannot be maintained outside the 4 km setback distance. - The owner / operator of the Community Access Road will avoid activities within 4 km of an active wolverine den during the denning period that could adversely affect wolverine or obtain any required authorization under the Endangered Species Act or Species Conservation Act prior to conducting those activities.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
243	• Wildlife	- Construction - Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will provide environmental training to workers that includes information on wolverine den identification and the procedures to be followed if a wolverine den is identified.
244	• Wildlife	Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	- The owner / operator of the Community Access Road will notify the local Ministry of the Environment, Conservation and Parks Species at Risk Branch and, where requested, appropriate Indigenous communities if a wolverine den is identified during Operation and Maintenance and activities cannot be maintained outside the 4 km setback distance. - The owner / operator of the Community Access Road will avoid activities within 4 km of an active wolverine den during the denning period that could adversely affect wolverine or obtain any required authorization under the Endangered Species Act or Species Conservation Act prior to conducting those activities.
245	• Wildlife	Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will implement an Environmental Protection Plan that includes measures to minimize collisions between wildlife and vehicles during construction, including providing driver training on reducing vehicle speeds, raising awareness of local wildlife, requiring wildlife to be given the right-of-way, communicating wildlife presence along access roads and within construction areas to workers, and requiring the reporting of wildlife collisions.
246	• Wildlife	Detail Design / Pre-Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The proponent of the Community Access Road will design watercourse crossings within identified wolverine high-use areas on the north-south segment of the preferred route (WA-11, WA-15, and WA-18) to facilitate wildlife passage, where feasible. Design measures may include providing a minimum 4 m vertical clearance beneath bridges, incorporating natural substrates on bridge embankments, and maintaining unobstructed sightlines on either side of the crossing to support safe terrestrial wildlife movement adjacent to aquatic habitats.
247	• Wildlife	Detail Design / Pre-Construction	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will consider incorporating wildlife passage modifications into bridge designs during detail design, including bridges located on the east-west segment of the Community Access Road, to facilitate wildlife movement where appropriate.
248	• Wildlife	- Construction - Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	The owner / operator of the Community Access Road will gate pits, quarries, and other infrastructure required for maintenance activities to limit public access.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
250	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will restrict Operation and Maintenance traffic to approved rights-of-way, workspaces, access roads, and trails.
251	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will block access roads used for permanent maintenance activities when they are not in use.
252	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will prohibit employees from hunting or carrying firearms while performing Project maintenance activities.
257	• Wildlife	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will maintain public access to the Community Access Road during Operation and Maintenance and will gate access roads serving aggregate extraction areas and other maintenance-related infrastructure to limit public access.
258	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will develop and implement a proactive outreach and education program to increase awareness of wolverine presence in the Project area, the potential effects of incidental trapping on wolverine populations, and mitigation measures that reduce the likelihood of incidental wolverine
259	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will use existing access roads where feasible.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
260	• Wildlife	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The proponent and / or owner / operator of the Community Access Road will mark any observed American marten dens as sensitive sites and establish protective measures to isolate those sites from Project activities.
266	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will provide environmental training to workers that includes information on American marten den identification and the procedures to be followed if an American marten den is identified.
267	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will stop work in the vicinity of an active American marten den identified during construction activities, including vegetation clearing and removal, notify the local Ministry of Natural Resources, clearly mark the den location, establish a 100 m protective buffer around the den, and prohibit vegetation removal within the buffer until direction has been received from the Ministry of Natural Resources.
269	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will post appropriate speed limit, crossing, and wildlife warning signage in designated locations.
275	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will mark any observed beaver lodges as sensitive sites and protect them from Project-related disturbance.
277	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will minimize the loss and alteration of beaver habitat to the extent possible and undertake activities in compliance with the requirements of the Fisheries Act.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
283	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will screen culverts and regularly inspect watercourse crossings for evidence of beaver activity and remove log jams, where appropriate, to reduce the need for beaver dam or lodge removal.
284	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will provide environmental training to workers that includes information on beaver lodge identification and the procedures to be followed if a beaver lodge is identified.
285	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will stop work in the vicinity of an active beaver lodge identified during construction activities, including vegetation clearing and removal, and notify the local Ministry of Natural Resources. Where removal of a beaver lodge or dam is required, the owner / operator of the Community Access Road will submit an Application to Interfere with / Destroy a Black Bear or Furbearing Mammal Den, Beaver Dam, Black Bear in Den to the Ministry of Natural Resources prior to undertaking the activity.
289	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will reclaim temporary access roads and other temporary construction infrastructure as soon as practicable following construction and will physically block access to temporary access roads during reclamation to reduce public use.
290	• Wildlife	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will implement an Environmental Protection Plan that includes measures to control and restrict public use of access roads during Operation and Maintenance, including the use of speed limits, gates or manned gates, signage, reduced road standards, felling timber across reclaimed temporary access roads, removing temporary watercourse crossings, and locating camps near work areas to reduce traffic. The owner / operator of the Community Access Road will post restricted access and speed signage in accordance with the construction Specification for Temporary Traffic Control Devices (OPSS 2016).
293	• Wildlife	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The proponent and / or owner / operator of the Community Access Road will develop and implement an Environmental Protection Plan that includes a worker awareness program.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
294	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will require construction personnel to walk ahead of construction equipment, where safe and practicable, to encourage frogs, toads, and snakes to move away from the path of oncoming machinery.
295	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will relocate reptiles and amphibians found within work areas to suitable nearby habitat and will use safe handling practices when moving turtles, snakes, and other herpetofauna away from construction activities, in accordance with applicable guidance and protocols.
296	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will monitor for reptiles and amphibians during construction activities and will relocate individuals found within work areas, as needed, to suitable habitat outside of the work area.
297	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will post signage in areas where reptiles and amphibians are regularly observed.
298	• Wildlife	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will install sub-surface eco-passages and exclusion fencing at culverts along the north-south segment of the Community Access Road.
304	• Cultural Heritage and Resources (Archeology)	• Construction	• Ministry of Heritage, Sport, Tourism and Culture Industries	• The owner / operator of the Community Access Road will plan and undertake construction activities to avoid Cultural Heritage impacts, including but not limited to: – Informing construction crews of the location of the potential Mid-Albany Cultural Heritage Landscape and its associated potential heritage attributes. – Confining construction related activities to the proposed right-of-way of the Preferred Route. – * Establishing a construction monitoring process which includes implementing no-go zones and procedures to avoid impacts to the heritage attributes of the potential Mid-Albany Cultural Heritage Landscape.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
306	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will conduct water takings in compliance with applicable provincial legislation, including Ontario Regulation 387/04 as amended by Ontario Regulation 64/16, and will implement best management practices to minimize potential effects on water resources.
307	• Surface Water	• Detail Design / Pre-Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The proponent of the Community Access Road will register eligible water taking activities on the Environmental Activity and Sector Registry. If a proposed activity is not eligible for EASR registration, a Permit to Take Water will be obtained before the activity begins.
308	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• If required, the owner / operator of the Community Access Road will develop site-specific water flow and / or water level trigger thresholds for sensitive water sources that may be affected by water takings.
309	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will obtain potable water for work sites, temporary construction camps, and temporary laydown areas from surface water sources (with appropriate treatment, as required), bottled water, or groundwater wells, where necessary.
310	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will conduct all water takings in compliance with applicable legislation, regulations, permit requirements, and industry best practices.
311	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will conduct all water takings in compliance with applicable legislation, regulations, permit requirements, and industry best practices.
312	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will treat and dispose of water from concrete batch plants at pits and quarries in compliance with Environmental Compliance Approvals (ECAs) issued by the Ministry of the Environment, Conservation and Parks under the Environmental Protection Act (Government of Ontario, 1990d), where applicable.
313	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will characterize wastewater associated with Project discharges and, where necessary, conduct an assimilative capacity study.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
314	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will collect wash water from the cleaning of concrete mixing equipment, delivery systems, vehicles, and other equipment at designated wash-out sites located at least 30 m from a waterbody. Wash-out sites will be monitored regularly to verify that runoff does not enter a waterbody. Following the construction Phase, all temporary wash-out sites will be capped with suitable local backfill and regraded before construction crews demobilize from the site.
315	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will discharge domestic wastewater from temporary construction camps to on-site leaching beds. All required permits and authorizations will be obtained for the construction and operation of the leaching beds. Leaching beds will be designed and constructed in accordance with the Ontario Building Code, 2012 (Ontario Regulation 332/12) under the Building Code Act (Government of Ontario, 1992).
316	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will remove domestic wastewater using approved disposal trucks and dispose of it at wastewater treatment plants authorized and having sufficient capacity to accept the wastewater, where required and feasible.
317	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will direct construction water and wastewater that do not require regulatory approvals to low-lying vegetated areas for infiltration. During dewatering activities, measures such as filter fabric, straw bales, or equivalent sediment control measures will be used to minimize sediment transport.
318	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will review proposed discharge locations with Marten Falls First Nation to avoid discharging to sensitive areas, including areas identified through the Indigenous Knowledge Program.
319	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will comply with all applicable conditions specified by the Ministry of the Environment, Conservation and Parks (MECP) and with regulatory permits and approvals issued by the Ministry of Natural Resources, throughout the construction, operation, maintenance, and removal of temporary and permanent waterbody crossings and waterbody crossing structures, as applicable.
320	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will carry out short-term water diversions (active or passive) in accordance with Ontario Regulation 387/04, as amended by Ontario Regulation 301/21 (Government of Ontario, 1990c).
321	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will design and construct waterbody crossings in compliance with Ontario Regulation 454/96 under the Lakes and Rivers Improvement Act (Government of Ontario, 1990f), as applicable.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
322	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will construct waterbody crossings in accordance with applicable conditions specified by the Ministry of the Environment, Conservation and Parks and approvals issued by the Ministry of Natural Resources, as required.
323	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will design and construct waterbody crossings in accordance with the Environmental Guidelines for Access Roads and Water Crossings (Ministry of Natural Resources, 1990), the Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (Ministry of Natural Resources, 2010), and the Technical Guide River & Stream Systems: Flooding Hazard Limit (Ministry of Natural Resources, 2002), as applicable.
324	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will conduct environmental monitoring, including the water quality sampling and testing described in Section 9.2, to verify the performance and effectiveness of mitigation measures during the construction Phase. Monitoring will occur during installation activities, including all in-water works, and will continue throughout construction, including the removal of temporary crossing structures during decommissioning activities. The monitoring program will be conducted under the direction of the Environmental Monitor and Indigenous Environmental Monitor.
325	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will remediate temporary waterbody crossings at the end of the construction Phase. Remediation will include the removal of temporary waterbody crossing structures, where applicable, and the restoration and stabilization of waterbody banks and other disturbed areas once the crossings are no longer required.
326	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The proponent and owner / operator of the Community Access Road will develop and implement an Adaptive Management Plan in the event of an unexpected change in water quantity or water quality, including increases in turbidity that exceed applicable Canadian Council of Ministers of the Environment (CCME) guidelines.
327	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The proponent and owner / operator of the Community Access Road will design and construct waterbody crossings in accordance with permits and approvals issued by Fisheries and Oceans Canada and the Ministry of Natural Resources, as applicable.
328	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	- The proponent and owner / operator of the Community Access Road will design and construct waterbody crossings to maintain characteristic channel widths, depths, slopes, and substrate conditions where channel realignment is required. In doing so, the proponent and owner / operator will: - Avoid channel realignments and / or infilling through Project planning and design to the extent practicable. - Undertake channel realignments and / or infilling only where specific conditions are met and / or where required for safety or security purposes. - Where channel realignment is required, obtain all necessary approvals from Fisheries and Oceans Canada and provide channel realignment plans and proposed mitigation measures to the Ministry of Natural Resources through the applicable waterbody crossing permitting process for review.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
329	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will install or upgrade waterbody crossing structures in accordance with the applicable requirements of Ontario Regulation 239/13 (Government of Ontario, 1990h) and Ontario Regulation 454/96 (Government of Ontario, 1990f).
330	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The proponent and owner / operator of the Community Access Road will design waterbody crossing structures, including clear-span bridges, ice bridges / snow fills, rig mats, and culverts, based on hydrologic and hydraulic design flow calculations that consider expected rainfall and peak flows within the geographic area, as well as relevant watershed characteristics, channel slope, and channel substrate.
331	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will install equalization culverts, where required, to convey spring melt and storm runoff across the right-of-way and prevent flooding and erosion.
332	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will conduct pre-construction site visits at each waterbody crossing with qualified environmental personnel and fisheries biologists and / or technicians (i.e., Aquatics Specialists) to confirm that the crossing location is suitable for the planned crossing structure and to identify any changes in site conditions that may require design modifications. Surface water surveys will also be conducted during pre-construction site visits at any waterbody crossing that was not previously assessed during field investigations.
333	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	Where site-specific changes to a waterbody crossing structure are required, the owner / operator of the Community Access Road will engage with the appropriate regulatory authorities, including Fisheries and Oceans Canada and the Ministry of Natural Resources, prior to undertaking any instream construction activities. Such engagement may be required for activities including the placement of additional fill and the regrading and / or stabilization of waterbody beds or banks.
334	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	- The owner / operator of the Community Access Road will implement the following mitigation measures to reduce potential effects on cross-sectional hydraulics: – Minimize the number of waterbody crossings required, to the extent practicable, and use existing roads or trails where feasible. – Carry out construction activities without permanent in-water works, except where culverts are required. – Design waterbody crossing infrastructure to convey peak flows, including extreme storm events associated with climate change, as appropriate, while maintaining sufficient flow capacity to avoid discernible effects on stream hydraulics.
335	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	Prior to commencing construction work, the owner / operator of the Community Access Road will implement erosion and sediment control measures.

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336	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will return watercourse banks to their original profile upon completion of construction activities and will stabilize disturbed areas, as necessary, to prevent soil erosion.
337	• Surface Water	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will monitor permanent culverts in accordance with the Culvert Inspection Guide (Ministry of Transportation, 2022) and remove blockages, such as ice and woody debris, as needed to reduce the potential for scouring, adverse effects on channel morphology and fish habitat, and interference with fish passage.
338	• Surface Water	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will monitor and inspect new permanent waterbody crossing structures (bridges) and roadside drainage features for physical function and condition in accordance with the Ontario Structure Inspection Manual (Ministry of Transportation, 2018).
339	• Surface Water	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will maintain waterbody crossings in accordance with all applicable permits and approvals issued by Fisheries and Oceans Canada and the Ministry of Natural Resources.
340	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will promptly address any problems identified during monitoring and inspection activities to prevent further adverse effects on channel hydraulics, aquatic habitat, and fisheries resources.
341	• Surface Water	- Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will minimize in-water works, where practicable, and will schedule such activities to avoid sensitive fish life stages, including spawning, incubation, and migration periods.
342	• Surface Water	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will implement appropriate erosion and sediment control measures in accordance with the Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV 804, OPSS.MUNI 182, and OPSS.MUNI 805) prior to the commencement of repair activities.
343	• Surface Water	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will restore and revegetate disturbed areas to mitigate erosion and prevent sediment from entering waterbodies.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
344	• Surface Water	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will repair and reinforce waterbody crossings in a manner that prevents waterbody crossing structure materials from entering waterbodies.
345	• Surface Water	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will prevent waste materials requiring stabilization or disposal from entering waterbodies.
346	• Surface Water	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will reconstruct waterbody crossings, when necessary, in compliance with applicable Ministry of Natural Resources approvals.
347	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will use the right-of-way, existing roads and trails, and any new roads and trails for access, to the extent practicable, to minimize changes in land cover.
348	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will upgrade and construct new access roads in accordance with the Environmental Guidelines for Access Roads and Water Crossings (Ministry of Natural Resources, 1990).
349	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will locate temporary construction camps, temporary laydown areas, and other Project activities a minimum of 30 m from the ordinary high-water mark of a waterbody.
350	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will implement progressive revegetation of the right-of-way using native seed mixes and appropriate tree species, where appropriate. Temporary access roads and trails, temporary construction camps, turn-around areas, waterbody crossings, and temporary laydown areas will be progressively restored to their pre-existing or compatible condition throughout the construction Phase.
351	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will undertake seeding as soon as practicable following final cleanup and topsoil replacement, taking into account seasonal and weather conditions.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
352	• Surface Water	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will use only materials verified through geochemical assessment as non-potentially acid generating for road surface construction to prevent acid rock drainage and associated metal leaching.
353	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will limit the use of off-road vehicles during the construction Phase. To support this commitment: – Off-road vehicle use will comply with Fisheries and Oceans Canada's Code of Practice for Fording (Fisheries and Oceans Canada, 2022), All Terrain Vehicle Guidance (Fisheries and Oceans Canada, 2010), and Ontario Regulation 316/03 under the Highway Traffic Act (Government of Ontario, 1990g). – Off-road vehicles will be inspected, maintained, and cleaned before and after each use to prevent the spread of invasive species and to identify fuel leaks or equipment damage. – Sensitive features and waterbody crossings will be avoided to the extent practicable.
354	• Surface Water	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The proponent and owner / operator of the Community Access Road will develop and implement an Erosion and Sediment Control Plan in accordance with the Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV.804, OPSS.MUNI 182, and OPSS.MUNI.805). The Plan will include, as appropriate, multistage drainage and sediment control measures to collect and treat stormwater runoff from Project components. Such measures may include diversion swales or dykes, collection ditches, silt fences, rock check dams, sediment traps or basins, level spreaders, and riparian buffer strips. The owner / operator will provide the Erosion and Sediment Control Plan as part of applicable permit and approval applications for regulatory agency review in advance of construction activities.
355	• Surface Water	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will minimize disturbance to existing land cover during maintenance activities.
356	• Surface Water	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will restore and revegetate disturbed areas, including through natural revegetation where appropriate, to mitigate changes to runoff rates and erosion and sedimentation processes.
360	• Surface Water	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will implement appropriate erosion and sediment control measures in accordance with the Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV 804, OPSS.MUNI 182, and OPSS.MUNI 805) prior to the commencement of maintenance activities.
361	• Surface Water	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will implement mitigation measures identified in the Ontario Ministry of Transportation Environmental Guide for Assessing and Mitigating the Air Quality Impacts and Greenhouse Gas Emissions for Provincial Transportation Projects (Ontario Ministry of Transportation, 2020), where feasible.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
362	• Surface Water	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The proponent and owner / operator of the Community Access Road will prepare and implement Waste Management Plans that describe the appropriate management of solid, liquid, and hazardous waste.
363	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will provide portable, secure solid waste receptacles at work sites and temporary laydown areas and will periodically transport collected solid waste to waste handling and storage facilities located at temporary construction camps.
364	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will locate solid waste handling and storage facilities outside at temporary construction camps, with a minimum 30 m buffer around waterbodies.
365	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will provide drainage controls for solid waste handling and storage facilities located at temporary construction camps, aggregate pits, and quarries.
366	• Surface Water	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The proponent and owner / operator of the Community Access Road will prepare and implement a Spill Prevention and Emergency Response Plan that describes specific measures that would be implemented if a spill occurred.
367	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will manage and dispose of solid waste in compliance with Ontario Regulation 347, as amended by Ontario Regulation 105/24, under the Environmental Protection Act (Government of Ontario, 1990d).
368	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will periodically transport hazardous waste using a registered waste hauler to an approved disposal facility.
369	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will maintain a 30 m riparian buffer around waterbodies within the right-of-way, except where access is required for the installation of waterbody crossing structures. In such cases, the owner / operator will clear a 10 m-wide corridor within the right-of-way to provide equipment access.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
370	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will clear temporary access roads to a width of 10 m.
371	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will clear vegetation by cutting tree trunks parallel to and within 15 cm of the ground, or lower where practicable, and by removing shrubs, debris, and other vegetative materials.
372	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will remove vegetation primarily by mechanical means, except within 10 m of a watercourse or wetland. Within these areas, the owner / operator will remove vegetation manually using chainsaws and other hand-held equipment while leaving the undergrowth and duff layer undisturbed to prevent erosion.
373	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will implement appropriate erosion and sediment control measures for vegetation clearing and other disturbed areas within the 30 m buffer in accordance with the Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV 804, OPSS.MUNI 182, and OPSS.MUNI 805).
374	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will immediately transport removed vegetation outside the 30 m waterbody buffer zone and above the high-water mark.
376	• Surface Water	- Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will remove vegetation using mechanical means, except within 10 m of a waterbody, where chain saws and other hand-held equipment will be used.
377	• Surface Water	- Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will avoid soil disturbance, including grubbing, within 30 m of a waterbody.
378	• Surface Water	- Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will maintain a 30 m riparian buffer around waterbodies within the right-of-way, unless access is required to repair or replace waterbody crossing structures, in which case a 10 m-wide corridor within the right-of-way will be cleared for equipment access. Temporary access roads will be cleared to a width of 10 m.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
379	• Surface Water	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will implement appropriate erosion and sediment control measures in accordance with the Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV 804, OPSS.MUNI 182, and OPSS.MUNI 805) when clearing or disturbing areas within the 30 m buffer.
382	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator will use existing access roads or trails during construction, where available and to the extent practicable, to minimize disturbance associated with construction of the Community Access Road.
383	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will construct temporary laydown areas and temporary construction camps on existing disturbed areas and / or reasonably flat areas with stable soil, where possible.
384	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will construct water crossings in compliance with Ontario Regulation 239/13 under the Public Lands Act (Government of Ontario, 1990h) and / or Ontario Regulation 454/96 under the Lakes and Rivers Improvement Act (Government of Ontario, 1990f), as applicable.
385	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will maintain 30 m buffer zones around waterbodies and minimize the clearing of riparian vegetation to the extent practicable. Clearing will be limited to that required for access road construction and alignment clearing. At waterbody crossings, clearing within the Community Access Road right-of-way will generally be restricted to a 10 m-wide corridor for equipment access to crossing structures (e.g., temporary bridges).
387	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• Marten Falls First Nation and the owner / operator will work with Indigenous communities and forest management units to manage merchantable timber cleared as part of the Community Access Road.
388	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will chip and spread slash and debris along the right-of-way or burn it in accordance with the Forest Fires Prevention Act and Ontario Regulation 207/96 (Government of Ontario, 1990e).
389	• Surface Water	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The proponent of the Community Access Road will complete site-specific surface water surveys to support engineering design and permitting for waterbody crossings where work below the high-water mark is proposed. The proponent will submit waterbody crossing designs, as required, in support of permit applications to Fisheries and Oceans Canada and the Ministry of Natural Resources.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
390	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	- The owner / operator of the Community Access Road, in collaboration with Marten Falls First Nation, will develop and implement an Erosion and Sediment Control Plan. - The owner / operator of the Community Access Road will install, monitor, and manage appropriate erosion and sediment control measures in accordance with the Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV.804, OPSS.MUNI.182, and OPSS.MUNI.805) to minimize or avoid sediment mobilization to drainages and waterbodies. Adequate and appropriate erosion and sediment control materials will be available on site prior to the commencement of construction activities.
391	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will stabilize disturbed areas, as needed, to prevent erosion. Stabilization measures may include covering exposed areas with erosion control blankets or tarps to retain soil and prevent erosion. Disturbed areas will also be covered with mulch, as appropriate, to prevent erosion.
392	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will control sedimentation in the receiving environment by directing sediment-laden water to temporary storage and settling features, such as sumps, settling ponds, or catch basins, prior to discharge. Where appropriate, the owner / operator will direct sediment-laden water to drain or filter through low-gradient, well-vegetated areas away from watercourses using pumps and hoses.
393	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will implement sediment control measures prior to construction activities or immediately following site disturbance, as appropriate to site-specific conditions, to prevent the introduction of sediment into the environment and, where practicable, to stabilize drifting soils and prevent topsoil loss. Sediment control measures may include silt fences, filter bags, straw bale fences, berms, ponds, gravel or vegetative filters, check dams, erosion control blankets, and other appropriate features.
394	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	- The owner / operator of the Community Access Road will implement additional contingency measures, as appropriate, during periods of excessive rain, wet weather, or flood-like conditions where planned activities could result in significant soil disturbance, including rutting, soil structure damage during handling, compaction, or pulverization resulting from heavy equipment traffic. - Contingency measures may include: - Rescheduling work or reducing or detouring traffic in areas where soils are excessively wet. - Restricting construction traffic, where feasible, to equipment with low-ground-pressure tires or wide-track equipment. - Limiting work during excessively wet conditions to non-problem areas, such as well-drained soils, until site conditions improve. - Limiting vehicle access through soft or wet areas to periods of frozen ground conditions and, where feasible, having crews park in stable areas and walk to on-site equipment. - Installing access mats or rig mats in problem areas to protect soils. - Suspending work, if necessary, until soils have dried sufficiently or appropriate site-specific mitigation measures can be implemented to prevent soil disturbance.
395	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will practice progressive reclamation of disturbed areas. Natural recovery will be the preferred reclamation method on level terrain where erosion is not anticipated. Where seeding is required, erosion-prone areas will be seeded with a native cover crop and a certified seed mix approved by the applicable regulatory agency as soon as feasible following construction.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
396	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will locate all aggregate pits a minimum of 120 m from the ordinary high-water mark of a waterbody, where possible. Aggregate pits will be developed and managed in accordance with the guidelines, conditions, and requirements of applicable approved permits, including the development of rehabilitation plans, as outlined in the Aggregate Permits on Crown Lands for Pits and Quarries Above Water (Ministry of Natural Resources and Forestry, 2014) and the Forest Management Planning Manual (Ministry of Natural Resources and Forestry, 2017).
397	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will transport, store, and handle fuels during construction in compliance with the Transportation of Dangerous Goods Act (Government of Canada, 1992) and the Technical Standards and Safety Act (Government of Ontario, 2000).
398	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will comply with the requirements of the Canadian Council of Ministers of the Environment (2003) for aboveground storage tanks.
399	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The proponent and owner / operator of the Community Access Road will prepare and implement a Spill Prevention and Emergency Response Plan in accordance with Part X of the Environmental Protection Act and Ontario Regulation 675/98 under the Environmental Protection Act (Government of Ontario, 1990d).
400	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will provide the Spill Prevention and Emergency Response Plan as part of applicable permit and approval applications for review by regulatory agencies in advance of construction activities.
401	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will transport fuel and hazardous materials in approved containers and licensed vehicles.
402	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will transport fuel on winter roads only when safe ice conditions exist. At the start of construction, fuel will be transported by aircraft to the fuel storage facility.
403	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	The owner / operator of the Community Access Road will use licensed vehicles for transportation and maintain them in accordance with applicable safety requirements. Vehicles and equipment used during construction will be regularly serviced, maintained, and inspected for leaks.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
404	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will store and handle fuel and hazardous materials in designated areas with appropriate secondary containment.
405	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will conduct refuelling, servicing, and maintenance of vehicles and equipment in designated areas within temporary construction camps and temporary laydown areas. These areas will be located a minimum of 120 m from waterbodies, where practicable.
406	• Surface Water	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The proponent and owner / operator of the Community Access Road will design and construct designated refuelling, servicing, and maintenance areas to collect and contain minor leaks and spills. These areas will also be provided with adequate lighting to help prevent spills during periods of limited daylight.
407	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will implement enhanced spill containment measures, such as those identified in the Spill Prevention and Emergency Response Plan, where refuelling within 120 m of a waterbody cannot be avoided.
408	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will conduct refuelling, servicing, and maintenance activities in the field a minimum of 120 m from waterbodies, where practicable. Where this setback cannot be achieved due to the prevalence of wetlands or other site-specific conditions, the owner / operator will implement enhanced spill containment measures.
409	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will provide spill response kits at fuel and hazardous materials storage and handling facilities, temporary construction camps, temporary laydown areas, on-site work areas, and in vehicles and equipment, as appropriate. Personnel will be trained in spill response practices and procedures.
410	• Surface Water	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will contain and clean up spills and leaks as soon as possible following an incident and will dispose of recovered materials at a treatment facility authorized and capable of accepting the waste.
411	• Surface Water	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Fisheries and Oceans Canada - Ontario Parks - Transport Canada	• The owner / operator of the Community Access Road will use licensed vehicles and equipment for maintenance activities and will maintain them in accordance with applicable safety requirements.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
412	• Surface Water	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will perform regular inspections of vehicles and equipment for leaks.
413	• Surface Water	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will store hazardous materials in designated areas designed and constructed to collect and contain minor leaks and spills.
414	• Surface Water	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The proponent and owner / operator of the Community Access Road will develop and implement a Spill Prevention and Emergency Response Plan for maintenance activities, including clean-up equipment and materials, response procedures, training, and emergency contact information.
415	• Surface Water	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will remove contaminated soil and transport it to an approved disposal facility.
416	• Surface Water	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will use sand instead of salt for de-icing bridge decks and roadways.
417	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will transport and store explosives in compliance with the Explosives Act (Government of Canada, 1985) and the Transportation of Dangerous Goods Act (Government of Canada, 1992), where applicable.
418	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will not use ammonium nitrate and fuel oil. Explosives will be used in emulsion form (ammonium nitrate emulsion) to reduce the potential for dissolution and poor explosive performance in the presence of water.
419	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will conduct blasting activities in accordance with any aggregate permit or licence issued under the Aggregate Resources Act (Government of Ontario, 1990i).

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
420	• Surface Water	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The proponent and owner / operator of the Community Access Road will prepare and implement a Blasting and Communication Management Plan that describes the specific measures to be implemented if blasting is required.
421	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will have the Environmental Inspector monitor blasting activities for compliance with the Blasting and Communication Management Plan.
422	• Surface Water	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Fisheries and Oceans Canada • Ontario Parks • Transport Canada	• The owner / operator of the Community Access Road will detonate discarded explosives and explosives packaging on-site as part of the daily blast program or will temporarily store discarded explosives in the explosives magazine for return to the explosives distributor.
423	• Birds	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The proponent and the owner / operator will follow environmental approval conditions, permits or authorizations issued for the Project during construction, operations and maintenance.
425	• Birds	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The proponent and the owner / operator will follow Ontario Provincial Standard Specification 411 and regularly inspect and maintain culverts and bridges.
426	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will restrict access to the construction Disturbance Area to construction personnel. Firearms will also be prohibited on site.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
428	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will follow the Avoidance Guidelines for Migratory Birds during construction.
429	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will complete vegetation clearing between August 15 and April 27th, outside of the migratory bird nesting season, to the extent feasible.
431	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will complete wildlife sweeps for pileated woodpecker nests and raptor sticks nest prior to vegetation removal at any time of the year.
432	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will inspect bridges and culverts for the presence of nests and / or birds prior to any maintenance activities taking place.
434	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will provide wildlife awareness training for road construction workers, including reducing construction vehicle speed.
436	• Birds	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will keep building and storage container doors closed. • The owner / operator will maintain slopes of material stockpiles at 70 degrees or less to deter bank swallow nesting.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
437	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will remove roadkill, debris and manage waste on the road and rest areas as per Ministry of Transportation's Debris Control Maintenance Quality Standard (MQS-331) and Ministry of Transportation's Rest Area / Picnic Site • Maintenance Best Practice (MBP-325).
438	• Birds	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will prepare and implement an Environmental Protection Plan that includes policies and actions for avoiding and minimizing blasting impacts on wildlife and birds.
439	• Birds	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will adhere to federal and provincial regulations and guidelines regarding hazardous substance collection and storage, use and handing, and disposal and treatment, such as the federal Transportation of Dangerous Goods Act, Ontario Dangerous Goods Transportation Act, and the Ontario Environmental Protection Act.
441	• Birds	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The proponent will update the Preliminary Biodiversity Offset Plan during Detail Design to incorporate the most current project information and to achieve no net reduction in bird habitat and associated bird populations.
442	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will restrict construction traffic to designated areas.
444	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will implement buffer zones for nests and indicated nests during construction.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
446	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will require lighting control during construction, which will include direction and timing, to limit effects on birds and meet operational health and safety requirements.
447	• Birds	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The proponent of the Community Access Road will avoid high-quality habitats and sensitive areas for migratory bird species at risk, where possible during the detail design phase of the Community Access Road. During construction, the owner / operator will avoid high-quality habitats and sensitive areas for migratory bird species at risk, where possible.
448	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will perform maintenance activities in the fall and winter, avoiding bird nesting periods, to the extent feasible.
449	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will use industry best practices for blasting activities, including scheduling when in the vicinity of sensitive wildlife sites.
452	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• If any clearing is required during the migratory bird nesting season the owner / operator will complete (i.e., April 28 through August 14), non-intrusive pre-clearing nest surveys will occur within 3 to 7 days prior to clearing; the maximum number of days prior to clearing will depend on the time during the nesting season. • During the peak migratory bird nesting season (i.e., when >40% of birds are predicted to be nesting; May 19 through July 30) non-intrusive pre-clearing nest surveys will be completed a maximum of three days prior to clearing. • During non-peak nesting periods (i.e., April 28 through May 18 and July 31 through August 14), non-intrusive pre-clearing nest surveys will be completed a maximum of seven days prior to clearing. • * Pre-clearing nest surveys will be completed by avian biologists with support from Indigenous Environmental Monitors, where possible.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
453	• Birds	• Construction	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will flag a disturbance area buffer if any active nests are identified during nest clearing surveys until the nest is deemed unoccupied.
455	• Birds	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator will evaluate the effectiveness of mitigation measures during construction and operations, and will modify mitigations as necessary.
456	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator of the Community Access Road will complete autonomous recording and point count surveys at selected sites for breeding birds every two years, over a six-year period. Additional monitoring will be determined in consultation with Environment and Climate Change Canada.
457	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator of the Community Access Road will establish and annually survey two North American Breeding Bird Survey routes along the Project for a period of five years, in consultation with Environment and Climate Change Canada and in accordance with Environment and Climate Change Canada and United States Geological Survey standards. The need for monitoring beyond five years will be determined in consultation with Environment and Climate Change Canada.
458	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator of the Community Access Road will establish and conduct annual Canadian Nightjar Surveys along three roadside survey routes within the Project area for a period of five years, in consultation with Birds Canada and / or Environment and Climate Change Canada and in accordance with Birds Canada survey standards. The need for monitoring beyond five years will be determined in consultation with Environment and Climate Change Canada.
459	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator of the Community Access Road will establish and annually monitor a minimum of ten Marsh Monitoring Program survey stations along the Project, where suitable habitat is present, for a period of five years in accordance with Birds Canada survey standards. The need for monitoring beyond five years will be determined in consultation with Environment and Climate Change Canada.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
460	• Birds	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Transportation • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Royal Canadian Mounted Police	• The owner / operator of the Community Access Road will conduct targeted Short-eared Owl surveys at a minimum of 20 survey stations annually for three years in suitable habitat along the Project, for a minimum total of 60 surveys. Survey station locations will be selected based on the species' breeding habitat requirements.
461	• Wildlife	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Transportation • Ontario Parks • Fisheries and Oceans Canada • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada	• The owner / operator of the Community Access Road will retain an Environmental Monitor and Indigenous Environmental Monitor during construction to identify previously undocumented sensitive wildlife features within or adjacent to the construction Disturbance Area and will implement applicable protection measures in accordance with the Environmental Protection Plan where sensitive features are identified. • The owner / operator of the Community Access Road will develop and implement a reporting protocol for incidental wildlife observations and wildlife vehicle collisions during construction and Operation and Maintenance. The reporting protocol will be described in the Environmental Protection Plan. • The owner / operator of the Community Access Road will conduct waste management and site surveillance monitoring during construction to reduce wildlife attraction to the Project and identify areas where additional mitigation measures may be required to reduce human-wildlife interactions. • The owner / operator of the Community Access Road will conduct ground-based or aerial pre-clearing wildlife surveys prior to clearing and grubbing activities to identify sensitive wildlife features, including wildlife dens, beaver lodges, reptile and amphibian habitats, bat roost habitat, and the presence of large mammals within and adjacent to the construction Disturbance Area. • The owner / operator of the Community Access Road will document the methods and procedures for pre-clearing wildlife surveys in the Environmental Protection Plan. • The owner / operator of the Community Access Road will conduct pre-clearing surveys for potential bat maternity roost habitat prior to tree clearing activities occurring during the bat maternity roost season. • The owner / operator of the Community Access Road will conduct bat exit surveys where potential maternity roost habitat is identified and proposed for removal during the bat maternity roost season, as required through consultation and permitting processes. • The owner / operator of the Community Access Road will not undertake construction activities that generate loud noise within 50 m of candidate or confirmed bat maternity roosts between one-half hour before sunset and one-half hour after sunrise during the bat maternity roost season. • The owner / operator of the Community Access Road will conduct pre-clearing surveys for American marten dens and other furbearing mammal dens and will protect identified dens in accordance with the Environmental Protection Plan and applicable species-specific mitigation measures. • The owner / operator of the Community Access Road will conduct pre-clearing surveys for beaver lodges and will protect identified lodges in accordance with the Environmental Protection Plan and applicable mitigation measures. • The owner / operator of the Community Access Road will document wildlife observations and wildlife signs identified during construction and will report species at risk observations to the Natural Heritage Information Centre and the Ministry of the Environment, Conservation and Parks Species at Risk Branch.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
462	Wildlife	- Construction - Operations and Maintenance	- Ministry of Natural Resources - Ministry of Transportation - Ontario Parks - Fisheries and Oceans Canada - Ministry of Environment, Conservation and Parks - Environment and Climate Change Canada	- The owner / operator of the Community Access Road will develop and implement a public reporting system for incidental wildlife observations and wildlife vehicle collisions during Operation and Maintenance. - The owner / operator of the Community Access Road will monitor the effectiveness of reclamation activities following construction, including confirming that naturally regenerated or planted vegetation communities are comparable to adjacent vegetation communities. - The owner / operator of the Community Access Road will monitor the effectiveness of wildlife mitigation measures implemented for the Project and will incorporate monitoring requirements into the post-construction monitoring program as mitigation measures are finalized during future design stages. - The owner / operator of the Community Access Road will conduct wolverine hair snag and camera trap surveys during Operation and Maintenance to monitor the wolverine population within the Project Local Study Area and support the assessment of wolverine population density. - The owner / operator of the Community Access Road will conduct bat acoustic monitoring during the maternity roost season to confirm the continued presence of species at risk bats and assess relative bat activity levels within the Project Local Study Area during Operation and Maintenance. - The owner / operator of the Community Access Road will implement wildlife monitoring programs during construction and Operation and Maintenance, which may include winter snow tracking surveys, beaver lodge surveys, remote camera monitoring, and autonomous recording unit surveys for anurans to monitor wildlife abundance, occurrence, presence, and distribution within the Project area.
463	Fish and Fish Habitat	Detail Design / Pre-Construction	- Fisheries and Oceans Canada - Ministry of Natural Resources	The proponent and / or owner / operator of the Community Access Road will assess any previously unassessed or newly identified waterbodies prior to construction where Project activities may affect aquatic habitats. Assessments will be completed by a qualified Aquatics Specialist and will inform construction methods, mitigation measures, enhancement measures, permitting requirements, and engagement with Indigenous communities and regulatory agencies, as appropriate.
464	Fish and Fish Habitat	Construction	- Fisheries and Oceans Canada - Ministry of Natural Resources	- The owner / operator of the Community Access Road will retain Environmental Monitors and Indigenous Environmental Monitors during construction to confirm that all waterbodies crossed by the Community Access Road right-of-way and access roads have been identified and documented, monitor the installation, use, and removal of waterbody crossing structures, and verify that all required permits, approvals, and authorizations are in place. - The owner / operator of the Community Access Road will suspend construction activities within 30 m of any previously unidentified waterbody encountered during construction until the waterbody has been assessed by a qualified Aquatics Specialist and appropriate mitigation measures and regulatory requirements have been determined. - The owner / operator of the Community Access Road will install, maintain, monitor, and adapt erosion and sediment control measures to minimize sediment transport to waterbodies and drainages during construction and will have appropriate erosion and sediment control materials available on site prior to the commencement of construction activities. - The owner / operator of the Community Access Road will obtain all required authorizations for fish rescue activities and will retain qualified Aquatics Specialists to rescue and relocate fish from isolated work areas prior to construction within those areas. - The owner / operator of the Community Access Road will monitor turbidity and total suspended solids during construction in accordance with applicable permit requirements and relevant water quality guidelines.
465	Fish and Fish Habitat	Operations and Maintenance	- Fisheries and Oceans Canada - Ministry of Natural Resources	- The owner / operator of the Community Access Road will regularly inspect and maintain culverts and bridges to prevent blockages, ponding, and backwater effects. Where culverts and bridges are installed at fish-bearing waterbodies, debris removal activities will be conducted in accordance with applicable Fisheries and Oceans Canada guidance and inspection frequencies will be adjusted, as appropriate, to account for changing climate conditions. - The owner / operator of the Community Access Road will implement a post-construction monitoring program to verify the effectiveness of erosion and sediment control measures, bank restoration and revegetation efforts, and the stability of waterbody crossings. Permanent crossing structures will be inspected regularly, and any changes to watercourse morphology affecting fish habitat quality or quantity will be identified and addressed, as appropriate.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
466	• Atmospheric Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Health Canada • Environment and Climate Change Canada • Ministry of Transportation • Ministry of Natural Resources	• The owner / operator of the Community Access Road will conduct air quality and construction activity monitoring, where feasible, to assess the effectiveness of construction best management practices, identify the need for additional mitigation measures, and reduce potential air quality effects at sensitive receptors located near the construction Disturbance Area.
467	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will limit vegetation clearing to within the approved 100 m right-of-way and will minimize clearing widths wherever feasible during detail design and construction. Specifically: – Minimize clearing widths in more sensitive ecosystems (e.g., riparian ecosystems) and more difficult to restore vegetation community groups (e.g., fen and bog) to the extent possible. – Adjust the alignment or clear off centre within the right-of-way where warranted, to minimize effects on more sensitive or difficult to restore vegetation communities. These details will be refined during detail design, prior to construction. – Limit clearing of riparian vegetation (i.e., within 30 m of waterbodies) to the extent possible and to the requirement of the access road and alignment clearing width only. – Locate temporary access roads, staging areas, camps, and debris and / or timber stockpiles in less sensitive ecosystems (e.g., upland ecosystems), where possible. – * Avoid peatland communities for temporary features wherever feasible.
468	• Vegetation	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will rehabilitate (through progressive and final rehabilitation) and surrender all sand and gravel pits, including temporary access roads leading to the pits, upon completion of construction in accordance with the Aggregate Resources Act. • The owner / operator of the Community Access Road will implement rehabilitation measures for sand and gravel pits, including backfilling, levelling, recompact, and redistributing organic materials, to encourage natural revegetation. • The owner / operator of the Community Access Road will decommission temporary access roads leading to temporary quarry areas upon completion of construction. • The owner / operator of the Community Access Road will revegetate temporary quarries that are not required for maintenance activities in accordance with the Rehabilitation Plan. Quarries retained for operations and maintenance activities shall be blocked to discourage public use while maintaining access for ongoing road maintenance.
469	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will undertake clearing and construction activities during the winter months where feasible.
470	• Vegetation	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will develop and implement a Project-specific Environmental Protection Plan.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
471	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will retain Environmental Monitors and Indigenous Environmental Monitors during construction to verify that mitigation measures are implemented appropriately. The roles and responsibilities of the monitors will be defined in the Project-specific Environmental Protection Plan.
472	• Vegetation	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will reassess the regulatory status of Black Ash during future Project phases. If the Project area becomes subject to Black Ash protection under Ontario Regulation 6/24, surveys will be completed in areas of suitable habitat, including the Ogoki River crossing, as determined through consultation with regulatory agencies. If Black Ash trees that may be affected by the Project are identified, the proponent will consult with relevant regulatory agencies to determine appropriate next steps.
473	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will prepare and implement a Vegetation Management Plan that contains measures to protect rare plants, including protocols specific to Black Ash (e.g., commitments to Emerald Ash Borer prevention measures and long-term surveillance). In the event a rare plant species is encountered unexpectedly, or cannot be avoided, the rare plant protection measures outlined in the Vegetation Management Plan will be implemented.
474	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will consult with Ontario Parks to determine permitting, mitigation and / or compensation / offsetting expectations for direct impacts to the Albany River Provincial Park.
475	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will consult with Ontario Parks at detail design to determine permitting, mitigation and / or compensation / offsetting expectations for impacts to Critical Landform / Vegetation Associations.
476	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will locate temporary access roads, staging areas, camps, and debris and / or timber stockpiles away from known Traditional Use Plant harvesting areas, where possible.
477	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will prepare and implement a Vegetation Restoration Plan. The plan will be developed through engagement and consultation with Indigenous communities and will incorporate local Indigenous Knowledge and stewardship protocols.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
478	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will include the seeding and / or planting of Traditional Use Plants as part of the Vegetation Restoration Plan.
480	• Vegetation	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will avoid re-entry into, and disturbance of, restored temporary access areas following construction.
481	• Vegetation	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will design and implement a pre-, during-, and post-construction monitoring program to assess surface movement and help maintain pre-construction conditions to the extent feasible.
482	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will implement adaptive management measures to address significant alterations to drainage patterns identified through monitoring. The measures will be developed as part of the Environmental Protection Plan.
483	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will construct road segments traversing peatland communities using a floating road construction methodology designed to maintain groundwater movement beneath and through the road embankment. The floating road methodology will include: – Completion of detailed geotechnical and hydrological investigations during detail design to characterize peat conditions and local hydrology. – Site-specific determination of peat strength parameters to support road design. – Installation of a geogrid base layer to separate and reinforce the interface between peat and road fill materials. – Installation of geogrid and geotextile materials in combination with aggregate to create a mechanically stabilized layer above the embankment fill. – Development of road plans, profiles, and cross-sections based on site-specific conditions, applicable design standards, and anticipated loading requirements. – Design and construction of transitions between floating road sections and adjacent excavated or fill sections. – construction scheduling that allows for primary settlement of peat while minimizing the risk of shear failure. – Monitoring of settlement and lateral movement during construction. – Implementation of design modifications and adaptive management measures where monitoring indicates that performance objectives are not being achieved.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
484	• Vegetation	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will maintain and implement mitigation measures, including those established or refined through adaptive management during construction, throughout the operations and maintenance phase of the Community Access Road.
485	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will develop and implement a pre-construction, construction, and post-construction monitoring program to assess surface water and groundwater movement. Monitoring results will be used to identify project-related changes and trigger appropriate mitigation or corrective measures, with the objective of maintaining pre-construction hydrologic and hydrogeologic conditions to the extent feasible.
486	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement adaptive management measures if monitoring indicates that groundwater flow patterns have been significantly altered as a result of the Community Access Road. The adaptive management measures will be identified and implemented in accordance with the Environmental Protection Plan.
487	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will develop an Environmental Protection Plan to prevent, detect, control (i.e., remove), and monitor areas with invasive species. The plan will include the following measures: – Thoroughly inspect and clean construction equipment and vehicles prior to bringing them to the work area and when moving between work areas within the Project. Cleaning shall be completed in accordance with the most up to date version of the Clean Equipment Protocol for Industry (Halloran et al., 2013). Documentation of the results of each inspection will be a requirement of the Environmental Protection Plan. Additional recommendations for the cleaning of equipment (e.g., the use of specific cleaning stations and their location) will be determined through the development of the Environmental Protection Plan. – Use reduced disturbance techniques to prevent topsoil removal and preserve adequate substrate to promote natural revegetation. – Contour disturbed areas to minimize soil and water erosion and encourage growth of native vegetation. – Limit off-road vehicle use by contractors during construction. Inspections and maintenance activities will include cleaning of off-road vehicles before and after each use to prevent the spread of invasive species. Recommendations related to the use of off road vehicles will be determined at detail design and / or through the development of the Environmental Protection Plan. – Use seed mixes with appropriate native species for all seeding and restoration works. – Seed mixes must be tested / certified to be free of invasive species. Native seed should be sourced from local populations whenever possible. – * Follow Ministry of Transportation Ontario Provincial Standard Specification 803 to avoid spreading invasive plant species.
488	• Vegetation	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will minimize the use of off-road vehicles by contractors during the operations and maintenance phase. All off-road vehicles used for inspections and maintenance activities will be cleaned before entering and upon leaving the Project area, or before and after each use, as appropriate, to prevent the introduction and spread of invasive species.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
489	• Vegetation	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will follow the Ontario Ministry of Transportation's Ontario Provincial Standard Specification (OPSS) 803 to prevent the introduction and spread of invasive plant species. Invasive plant species, where management is required, will be removed and managed using manual and mechanical methods. Herbicides will not be used.
490	• Vegetation	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will design and implement post-construction invasive species monitoring program to detect invasive species presence and control (i.e., remove) new introductions. Details of the post construction invasive species monitoring program will be included in the Environmental Protection Plan.
491	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will adjust the alignment or clear off centre within the right-of-way to minimize forest fragmentation and the creation of new forest edges, where feasible. These details will be refined during detail design.
492	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will locate temporary laydown areas and temporary construction camps within existing disturbed areas, wherever feasible. The availability and suitability of existing disturbed areas will be confirmed during detail design.
493	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will avoid grubbing along newly created forest edges to promote natural regeneration.
494	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will use reduced disturbance techniques during construction to prevent topsoil removal and preserve adequate substrate to promote natural revegetation (e.g., use low impact method to leave surface vegetation root mat intact until a site is proven for further development).
495	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will use progressive restoration on-site once temporary work areas (e.g., staging areas) are no longer needed. Progressive restoration techniques will be provided in the Environmental Protection Plan.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
496	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will develop and implement a Project-specific Erosion and Sediment Control Plan. Erosion and sediment control measures will be developed and implemented in accordance with Ontario Provincial Standard Specifications for erosion and sediment control measures (Ontario Provincial Standard Specifications OPSS.PROV.804 and OPSS.MUNI.805). • The owner / operator to follow all environmental approval conditions, permits, or authorizations issued for the Community Access Road, including those issued from Environment and Climate Change Canada, Ontario Ministry of the Environment, Conservation and Parks and Ontario Ministry of Natural Resources during construction.
497	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will regularly inspect and maintain Erosion and Sediment Control structures (e.g., sediment fences, rip rap or other sediment control structures) in accordance with Ontario Provincial Standard Specification OPSS.PROV 804 during all phases of the Community Access Road and modify measures as necessary. If control measures are not functioning properly, no further work will occur until the problem is resolved.
498	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will stabilize disturbed areas through revegetation with native plant species or other appropriate means (e.g., erosion control blankets) following completion of the works.
499	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will schedule work or reduce traffic in areas where soils are considered to be excessively wet or where there is a heavy rainfall risk. • The proponent of the Community Access Road will refine areas where a reduction in traffic is required during the detail design phase.
500	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will avoid conducting earthworks during periods of heavy rainfall, particularly in areas adjacent to watercourses and wetlands.
501	• Vegetation	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will comply with applicable federal and provincial legislation, regulations, and guidelines governing the storage, handling, transportation, use, treatment, and disposal of fuels, petroleum products, chemicals, hazardous substances, and waste materials, including the federal Transportation of Dangerous Goods Act and Ontario's Environmental Protection Act.
502	• Vegetation	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will modify or enhance mitigation measures as necessary through adaptive management.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
503	• Vegetation	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	The owner / operator will follow all environmental approval conditions, permits, or authorizations issued for the Community Access Road, including those issued from Environment and Climate Change Canada, the Ontario Ministry of the Environment, Conservation and Parks and the Ontario Ministry of Natural Resources during construction.
504	• Vegetation	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	The owner / operator will minimize the Community Access Road footprint, vegetation clearing, and access road requirements during construction by implementing feasible measures such as coordinating and sharing access routes where practicable, using existing access roads where available, concentrating temporary construction activities within designated areas, retaining habitat outside of the approved construction Disturbance Area, and applying selective clearing techniques where appropriate.
505	• Vegetation	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	The owner / operator of the Community Access Road will use progressive restoration on-site once temporary work areas (e.g., staging areas) are no longer needed and prevent ongoing use of inactive areas through combined use of physical control measures (rollback, remove of creek crossings, recontouring to surrounding topography, revegetation / reforestation and / or barriers at junctions with active access).
506	• Vegetation	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	The owner / operator of the Community Access Road will develop and implement a policy governing plant collection and timber harvesting by project personnel while on shift or at temporary construction camps to prevent unauthorized harvesting of vegetation and timber resources.
507	• Vegetation	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	The proponent of the Community Access Road will develop a wildfire prevention plan for the construction works that outlines protocols for hot works or any other activity with potential to trigger a fire, required fire suppression equipment, and a response plan if a fire is triggered.
508	• Vegetation	- Detail Design / Pre-Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	The proponent of the Community Access Road will incorporate into the road design signage at regular intervals along the Community Access Road indicating that dumping is prohibited.
509	• Vegetation	• Detail Design / Pre-Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	The proponent of the Community Access Road will refine vegetation community mapping and field-verify the locations of sensitive or difficult-to-restore vegetation communities (e.g., organic wetlands) prior to finalizing the locations of temporary access roads, staging areas, camps, debris and timber stockpiles, and the Community Access Road centreline within the 100 m cleared right-of-way. This information will be used to microsite project components, where feasible, to avoid or minimize effects on these vegetation communities.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
510	• Vegetation	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will work with the design team during the micro-siting of temporary access roads, staging areas, camps, and debris and / or timber stockpiles to avoid or, where feasible, minimize effects on known Traditional Use Plant harvesting areas.
511	• Vegetation	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will reassess the regulatory status and protection requirements for Black Ash prior to construction. If Schedule 1 of Ontario Regulation 6/24 is updated to include the construction Disturbance Area, targeted surveys for Black Ash will be completed at the Ogoki River crossing and, if warranted, in other suitable habitat within the southern portion of the construction Disturbance Area. The scope of any additional surveys will be determined in consultation with applicable regulatory agencies. If Black Ash is identified and may be affected by the Community Access Road, the proponent will consult with the Ministry of the Environment, Conservation and Parks and Environment and Climate Change Canada regarding appropriate mitigation, permitting, and next steps.
512	• Vegetation	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will complete an assessment of pit / quarry locations to identify potential effects due to changes in hydrogeology / hydrology on vegetation communities within the radius of influence for dewatering programs.
513	• Vegetation	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will develop and implement a groundwater monitoring and water budget study during detail design to determine groundwater flow and influence on peatland ecosystems. This will further inform the assessment of potential Project impacts on Wetland Ecosystems and the associated mitigation recommendations that will be confirmed and refined at detail design.
515	• Vegetation	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will develop and implement a groundwater monitoring program to establish baseline groundwater conditions on both sides of the Community Access Road and in areas where dewatering may be required. Groundwater levels will be monitored prior to construction, during construction, and post-construction to assess potential Project-related effects on groundwater conditions.
516	• Vegetation	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will determine, in consultation with vegetation ecologists and Indigenous communities, the locations of groundwater monitoring instruments so that effects on vegetation are considered when determining their placement.
517	• Vegetation	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will implement an invasive species monitoring program designed to prevent, detect, and control (i.e., remove) invasive species and monitor areas where invasive species were removed.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
518	• Vegetation	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	• The owner / operator of the Community Access Road will implement a program to monitor any rare plant, or species at risk protection measures that have been implemented (e.g., check for damage or failure of protection fencing and make repairs).
519	• Vegetation	- Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	• The owner / operator of the Community Access Road will implement a program to monitor vegetation community response to any potential changes in hydrology or hydrogeology throughout construction (e.g., in the vicinity of dewatering activities and either side of “floating road” segments).
520	• Vegetation	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	• The owner / operator of the Community Access Road will implement a program to monitor whether erosion and sedimentation control measures are functioning as intended and to direct repair and adaptive management measures, where required.
521	• Vegetation	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	• The owner / operator of the Community Access Road will implement a program to monitor and manage rehabilitated and restored vegetation communities as well as any wetland offset areas. Details regarding the number of monitoring locations, level of effort and length of the monitoring period will be determined in subsequent project phases.
522	• Vegetation	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	• The owner / operator of the Community Access Road will design and implement a program to monitor installed groundwater wells to confirm water flow beneath the road is being maintained. The number of monitoring locations, their placement and the length of the monitoring period will be determined in subsequent project phases.
523	• Vegetation	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Environment and Climate Change Canada - Fisheries and Oceans Canada - Ministry of Transportation	• The owner / operator of the Community Access Road will implement a program to monitor vegetation community responses to any potential changes in hydrology or hydrogeology. Details regarding the number of monitoring locations and the length of the monitoring period will be determined in subsequent project phases.
524	• Acoustic and Vibration Environment	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Health Canada	• The owner / operator of the Community Access Road will conduct construction activities during the daytime period (i.e., 7 a.m. to 7 p.m.). Nighttime work is not anticipated. In the event construction will occur beyond the daytime period, applicable mitigation measures will be reviewed and implemented as required.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
525	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will make sure that equipment and machinery used on site are maintained in good working condition through regular inspection and maintenance.
526	• Acoustic and Vibration Environment	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The proponent of the Community Access Road will design access roads to minimize reversing, which is expected to minimize use of backup beepers, where possible.
527	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will locate and operate construction equipment as far as possible from points of reception.
528	• Acoustic and Vibration Environment	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The proponent and / or owner / operator of the Community Access Road will engage with Indigenous communities and relevant stakeholders to coordinate the planned construction and maintenance activity schedule before the start of construction and prior to specific noisy activities to minimize overlap with the timing of traditional land use activities (e.g., fall and spring hunting seasons).
529	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will require vehicles and equipment to be turned off when idle, unless weather and / or safety conditions dictate the need for them to remain turned on and in a safe operating condition, where reasonable and practicable.
530	• Acoustic and Vibration Environment	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will develop a complaint resolution mechanism whereby persons can contact the project team if there are perceived noise issues. • The owner / operator of the Community Access Road will investigate noise concerns as they arise through the complaint resolution mechanism.
531	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will require contractors and personnel to operate vehicles and equipment using best management practices to minimize impulsive noise, where feasible.
532	• Acoustic and Vibration Environment	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will maintain the roadway surface to minimize excessive roughness that could contribute to increased vehicle noise and vibration.
533	• Acoustic and Vibration Environment	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will operate pits and quarries in accordance with NPC-300 and applicable permitting requirements.
534	• Acoustic and Vibration Environment	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will conduct maintenance activities during the daytime period between 7:00 a.m. and 7:00 p.m.
538	• Acoustic and Vibration Environment	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will develop a construction Vibration Workplan prior to the start of construction describing the construction schedule, list of construction equipment, list of point of reception locations (i.e., traditional land use, residential, heritage structures and utilities), applicable guidance documents including criteria and control measures.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
539	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will consider the use of frequency-dependent vibration limits once more detailed information about the construction activities becomes available.
540	• Acoustic and Vibration Environment	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• Prior to the start of construction and before undertaking activities that may generate vibration, the owner / operator of the Community Access Road will engage with Indigenous communities and relevant stakeholders to coordinate the construction schedule and minimize overlap with traditional land use activities (e.g., fall and spring hunting seasons).
541	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will investigate vibration-related concerns through a complaint resolution mechanism that enables members of the public, Indigenous communities, and other stakeholders to contact the project team regarding perceived vibration effects.
542	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will locate and operate construction equipment as far as practicable from points of reception.
543	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will conduct blasting activities in accordance with NPC-119.
544	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will comply with the conditions of any applicable licence or aggregate permit.
545	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will, where practicable, avoid the simultaneous operation of equipment expected to generate significant vibration.
548	• Acoustic and Vibration Environment	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Health Canada	• The owner / operator of the Community Access Road will implement blasting delays and blast mats, as appropriate, to minimize vibration and control fly rock associated with blasting activities.
549	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will limit the construction Disturbance Area to the extent practicable.
550	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will minimize vegetation clearing and soil disturbance and maximize the use of existing cleared areas for Project activities, where practicable.
551	• Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and implement a Project-specific Soil Management Plan that includes procedures for soil stripping and handling, erosion and sediment control based on the Ontario Ministry of Transportation's Erosion and Sediment Control Guide, reclamation, and applicable best management practices, guidelines, and policies.
552	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will minimize stripping and grading between the height of land and a watercourse, or within 100 m of a watercourse crossing, whichever is less, and will stabilize any disturbed areas following construction.
553	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will regrade erosional gullies associated with temporary infrastructure during decommissioning to match local landforms and maintain drainage patterns.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
554	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will strip and manage overburden from bedrock quarry areas prior to blasting or excavation in accordance with the On-Site and Excess Soil Management Regulation under the Ontario Environmental Protection Act.
555	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will rehabilitate all pits and quarries during their operational life and following the completion of extraction activities in accordance with the Ontario Aggregate Resources Act.
556	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will minimize or avoid the use of eskers and similar geological features as sources of aggregate material by using bedrock quarries or alternative sand and gravel sources, where practicable.
557	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will confirm suitable aggregate material in ridged landforms prior to extraction.
558	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will avoid or minimize disturbance within areas of unstable or potentially unstable terrain, design slopes for long-term stability, and implement slope stabilization measures where required.
559	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will conduct construction activities under frozen or dry conditions, where practicable.
560	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will minimize exposed mineral soil between the height of land and a watercourse, or within 100 m of a watercourse crossing, whichever is less, and will stabilize any stripped or graded areas to a stable slope angle following construction.
561	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will use low road grades and proper drainage to reduce potential terrain instability, where feasible.
562	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement progressive reclamation and revegetation of disturbed areas no longer required for construction.
563	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will select erosion and sediment control products that correspond with the nature and duration of the Project as recommended in the Soil Management Plan.
564	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will regularly inspect and maintain erosion and sediment control structures (e.g., sediment fences, rip rap or other sediment control structures) during all Project phases and modify measures as necessary. If control measures are not functioning properly, no further work will occur until the problem is resolved;
565	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will limit duration of soil exposure; phase activities whenever possible, and restore disturbed areas as soon as possible (i.e., implement appropriate erosion and sediment control, and progressive reclamation and revegetation of disturbed areas no longer required).
566	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will control potential erosion by utilizing an effective road design (including use of engineered culverts and bridges);
567	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will selectively cut vegetation and restrict clearing and grubbing within areas with steep slopes or soils prone to risk of erosion.
568	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will not include mineral soil in the debris piles during clearing.
569	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will use clearing equipment appropriate to the nature of work being conducted that minimizes surface disturbance, soil compaction, and topsoil loss (e.g., equipment with low ground pressure tracks or tires, blade shoes, and brushes), where feasible.
570	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will regrade areas with vehicle ruts and erosion gullies to conform to the local landform to maintain drainage patterns.
571	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will, to the extent practicable, avoid work in sensitive areas (i.e., erosive soils, wetland features, and fish habitats) during periods that may result in high flow volumes and / or increased erosion and sedimentation (e.g., spring freshet).

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
572	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will install and regularly maintain mitigation measures prior to the commencement of any site clearing, grubbing, excavation, filling, or grading works, prior to and after runoff events.
573	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will, where soils are prone to wind erosion, apply tackifier, cover, and seed, apply water or pack the topsoil stockpiles and windrows with approved equipment, especially during periods of high erosion potential (i.e., summer and fall).
574	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will, when practicable, consider pre-fabrication (e.g., parts of structures) at an approved off-site location to minimize on-site construction effects.
575	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will minimize steepness and length of slopes of disturbed areas and stockpiled soils.
576	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require the contractor to avoid placing soil stockpiles near waterbodies or drainage features (i.e., a minimum distance of 100 m from a watercourse).
577	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will manage soil in accordance with the Best Management Practices for Aggregate Pit and Quarry Rehabilitation in Ontario (Madeh et al., 2021).
578	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will manage any excess construction soil in accordance with the On-Site and Excess Soil Management Regulation under the Ontario Environmental Protection Act.
579	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require the contractor to use low pressure or rubber tracked vehicles for the early phase of the Community Access Road construction season and only higher-pressure equipment when the ground surface is strong enough to prevent compaction and rutting.
580	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will, where practicable, avoid construction activities on highly saturated soils, including during or immediately following rain events or freshet conditions. Where such conditions cannot be avoided, appropriate ground equipment will be used to minimize soil damage and rutting, and work will be suspended if site conditions warrant.
581	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will de-compact subsoils, temporary access trails and soils damaged during wet weather.
582	• Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will develop a Spill Prevention and Emergency Response Plan. • The owner / operator will implement the Spill Prevention and Emergency Response Plan as required.
583	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will adhere to Standard Operating Procedures for fuel handling.
584	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require that construction machinery arriving on site is clean and free of fluid leaks.
585	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will maintain a spill response kit on site during construction activities and make it readily available for spill response.
586	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will contain and clean up spills immediately in accordance with provincial regulatory requirements and the Spill Prevention and Emergency Response Plan.
587	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require the contractor to transport fuel and hazardous materials in approved containers in licensed vehicles.
588	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require construction personnel and drivers using the Community Access Road to report spills to the Ontario Spills Action Centre (1-800-268-6060) in accordance with applicable regulatory requirements.
589	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide and make sure holding bats are readily available, so there is less chance of spillage.
590	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide adequate lighting at fueling stations and monitoring so that people clean up after any spills.

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591	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide various pit stops along the Community Access Road where drivers can check their tanks and valves.
592	• Physiography, Terrain, and Soils	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide barriers along the sides of bridges to prevent other chemicals from spilling into waterways beneath them.
594	• Physiography, Terrain, and Soils	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require maintenance crews to keep a spill response kit on site during the work.
597	• Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will develop the Soil Management Plan and the owner / operator will follow the plan for construction and operations and maintenance Phases.
598	• Physiography, Terrain, and Soils	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement progressive and final rehabilitation measures for permitted pits and quarries developed for the construction, operation, and maintenance of the Community Access Road in accordance with approved site plans and the requirements of the Aggregate Resources Act.
599	• Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and implement a geochemical testing and monitoring program to assess the potential for acid rock drainage from any soils, or bedrock, which will be exposed during aggregate extraction.
601	• Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop a Blasting and Communication Management Plan.
602	• Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will work with the Ministry of Transportation, and the Northern Road Link and Webequie Supply Road Project Teams to develop a coordinated approach to permafrost assessment.
603	• Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and follow recommendations outlined in a Permafrost Management Plan.
604	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation and Aroland First Nation to discuss community concerns and proposed topics, including those in relation to changes in population or social demographics.
605	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will house workers in autonomous work camps to minimize potential demographic shifts and disruptions to local communities.
606	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation and Aroland First Nation to discuss construction-related issues and employment opportunities, including identifying and addressing employment barriers, supporting job readiness initiatives, and facilitating access to counseling and addiction support services for community members.
607	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement Community Readiness Strategies and Adaptive Management Plans to assess and respond to community needs.
608	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide information on training, education, and employment opportunities to support community members in obtaining qualifications relevant to Project-related opportunities.
609	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and implement a Local Training Plan that includes a local skills assessment and measures to support participation of the local labour force in Project-related employment opportunities.
610	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will offer ongoing job readiness programs and coordinate training schedules to support workforce transition and career development opportunities for community members.
611	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement a Diversity, Equity, and Inclusion hiring policy supported by training programs, job fairs, and outreach initiatives to promote equitable access to construction-related employment opportunities and support workforce diversity.
612	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will gradually integrate new workers into the workforce through shorter workdays and shift rotations, where appropriate.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
613	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will house construction workers in autonomous work camps to minimize disruptions to local communities.
614	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and implement a Local Content Plan that identifies opportunities to increase participation by local businesses and contractors in Project-related procurement and contracting activities.
615	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will consult with local businesses that may be affected by construction-related activities and, where feasible, consider business input when planning the timing and implementation of construction activities to minimize disruptions.
616	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop an Equipment Mobilization Plan in collaboration with Marten Falls First Nation and Aroland First Nation for the movement of equipment, personnel, supplies, and resources. The plan will, where feasible, include measures to separate construction traffic from community traffic to enhance safety and minimize disruptions. The plan will also include a communications strategy to inform community members of equipment mobilization schedules and periods of increased heavy equipment traffic on the winter road.
617	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require, when possible, the contractor to transport employees on a charter flight.
618	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation and Aroland First Nation to meet regularly to discuss community-proposed topics in relation to the construction of the Community Access Road, including topics avoiding pressure on local, essential services and infrastructure.
619	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require construction workers, including on- and off-reserve workers, to be housed in autonomous work camps equipped with independent water, wastewater, and power systems. The owner / operator will maintain these systems to minimize reliance on community infrastructure and reduce the potential for contamination.
620	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will develop waste management policies to minimize waste production and support responsible disposal. Collaboration with the community will be prioritized to develop effective construction waste management and disposal strategies, incorporating local input.
621	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish a secure fuel storage facility and provide a reliable fuel supply throughout the construction season. Fuel deliveries will be planned in advance and transported via the winter road, reducing reliance on costly air transport and preserving community fuel resources. All fuel storage sites will comply with safety and environmental regulations to prevent spills and contamination.
622	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator will establish working groups with Marten Falls First Nation and Aroland First Nation to meet regularly to discuss community-proposed topics in relation to the construction of the Community Access Road, including topics associated with housing adequacy, converting construction camps to permanent housing, etc.
624	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation and Aroland First Nation to meet regularly to discuss community-proposed topics in relation to the Community Access Road, including topics associated with housing, such as monitoring of housing demand and adjustments to meet changes in housing needs.
625	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities from the Regional Study Area, to meet regularly to discuss community-proposed topics in relation to the construction of the Community Access Road, including where to appropriately locate safety pull out areas to promote access, and other traditional harvesting issues.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
626	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• Prior to construction, the proponent and / or owner / operator of the Community Access Road will develop Access Management Plans with Marten Falls First Nation and Aroland First Nation in relation to hunting, trapping and gathering activities. All activities must conform to licensing requirements and adhere to the rules and regulations under the Ministry of Natural Resources.
627	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide flexible work schedules, where feasible, during key hunting, trapping, and gathering seasons to support community members' continued access to traditional land use activities and traditional food sources.
628	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide support for community-led harvesting initiatives, where feasible.
629	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will make training and work materials available in Indigenous languages, where feasible, including onboarding materials, safety procedures, and job-related documentation.
630	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require the contractor to implement multi-lingual worksite signage. Reduce language barriers at the worksite by using multi-lingual signage at work sites, including directional signs, safety notices, workplace policies, and equipment labels, to promote the use of Indigenous languages in the workplace.
631	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide cultural sensitivity and language awareness training for workers and supervisors, including information on the importance of Indigenous languages to cultural identity, knowledge transmission, and community well-being, to support an inclusive workplace environment.
632	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement a Zero-Tolerance Policy for language discrimination and establish workplace policies that support the use of Indigenous languages and promote an inclusive work environment. The owner / operator will provide mechanisms for reporting and addressing incidents of discrimination, harassment, or bias related to language use.
633	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement a Cultural Safety and Stop Work Protocol that allows workers to raise cultural safety concerns, request support, and, where appropriate, pause work activities until such concerns have been addressed.
634	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will collaborate with Marten Falls First Nation and Aroland First Nation to provide access to mental health, mentorship, and peer support services at work camps, including opportunities for engagement with Elders or cultural liaisons, to support worker well-being, skills development, and workplace adjustment.
635	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement measures to support the gradual integration of community members into the workforce, including shorter workdays and shift rotations, where appropriate.
636	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide cultural safety and awareness training for all workers, including supervisors, on Indigenous cultures, traditions, historical experiences, and respectful community interactions to promote a respectful, safe, and inclusive workplace environment and reduce the potential for harassment, discrimination, and violence.
637	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide training on violence and harassment prevention for all workers to promote a respectful, safe, and inclusive workplace environment.
638	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement and enforce a Zero-Tolerance Policy for workplace discrimination to promote a respectful, safe, and inclusive workplace environment for Indigenous workers and all other personnel.
639	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish a working group with Marten Falls First Nation and Aroland First Nation to meet regularly and discuss community-identified topics related to the construction of the Community Access Road, including mental health, counselling, and addiction support services.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
641	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will develop and implement monitoring and enforcement measures, including regular inspections at work camps and designated Project access points, to support compliance with policies governing alcohol and substance use.
643	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement and enforce a Zero-Tolerance Policy for alcohol and substance use at work camps.
644	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide cultural and recreational activities at work camps, where feasible, to support worker well-being and promote a positive camp environment.
645	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish a Working Group with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area to collaboratively develop a Safety and Wellness Plan that addresses Project-related mental health and well-being considerations.
646	• Community Well-Being	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will establish a Working Group with Marten Falls First Nation and Aroland First Nation to collaboratively develop a Safety and Wellness Plan that addresses Project-related substance use concerns.
648	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement temporary water storage tanks or other measures to accommodate peak water demands during construction.
649	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area, including Constance Lake First Nation, Fort Albany First Nation, Attawapiskat First Nation, Kashechewan First Nation, Kasabonika Lake First Nation, Kitchenuhmaykoosib Inninuwug First Nation, Kingfisher Lake First Nation, Eabametoong First Nation, Mishkeegogamang First Nation, Neskantaga First Nation, Nibinamik First Nation, Wapekeka First Nation, Wawakapewin First Nation, Webequie First Nation, Weenusk First Nation, Wunnumin Lake First Nation, Animbiigoo Zaagi'igan Anishinaabek First Nation, Ginoogaming First Nation, and Long Lake #58 First Nation, to meet regularly and discuss community-identified topics related to the construction of the Community Access Road, including concerns regarding potential effects on groundwater and surface water quality.
650	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will not use untreated surface water or groundwater for potable water purposes and will implement water treatment measures, as required, to meet applicable drinking water quality requirements.
651	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area to meet regularly and discuss community-identified topics related to the construction of the Community Access Road, including concerns regarding potential effects on groundwater and surface water quality.
652	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area to meet regularly and discuss community-identified topics related to the construction of the Community Access Road, including the identification of key harvesting areas and the development of measures to minimize construction-related disturbances to traditional food resources and harvesting activities. Where feasible, construction scheduling and activities will consider peak harvesting periods.
653	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area to meet regularly and discuss community-identified topics related to the construction of the Community Access Road, including potential contaminant pathways affecting traditional foods and opportunities to minimize potential effects on traditional food resources through awareness, communication, and other appropriate mitigation measures.
654	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will work with the Ontario Ministry of Natural Resources to support compliance monitoring and awareness initiatives along the Community Access Road related to hunting, fishing, licensing, and harvest regulations.

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655	• Community Well-Being	• Detail Design / Pre-Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will work with Indigenous communities and applicable government agencies, as appropriate, to support education, training, and capacity-building initiatives related to Indigenous Conservation Officer (Game Warden) programs.
656	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will support community-led harvesting initiatives in Marten Falls First Nation and Aroland First Nation, where feasible, through collaboration and appropriate Project-related support measures.
657	• Community Well-Being	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will work with the Ministry of Transportation and other relevant organizations to explore opportunities to increase access to driver licensing services for community members, including potential partnerships with third-party remote licensing providers.
658	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide driver safety training that addresses winter road conditions, remote travel considerations, and safe operation of vehicles along the Community Access Road.
659	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will collaborate with the Ministry of Health and other relevant agencies to develop and implement site-specific safety and emergency preparedness programs. These programs will include measures related to fire protection, medical services, site security, safety compliance monitoring, emergency response procedures, and communication protocols between construction personnel and emergency responders.
660	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will comply with applicable health and safety legislation, regulations, and standards, and will develop and implement a Health and Safety Policy for Project-related activities.
661	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area to meet regularly and discuss community-identified topics related to the construction of the Community Access Road, including opportunities to support financial literacy programs, cultural programming, land-based activities, and employment readiness initiatives that promote community well-being, strengthen social support networks, and address barriers to employment.
662	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require workers to be housed in autonomous work camps to minimize potential disruptions to local communities. Where feasible and appropriate, worker accommodations will incorporate measures that support privacy, safety, and worker well-being.
665	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require contractors to comply with the Human Rights Code (Ontario, 2024b) to prevent workplace discrimination, uphold employee rights, and reduce workforce tensions.
666	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide access to mental health counselling, mentorship, and peer support services at work camps to support worker well-being and reduce stress-related conflict. Opportunities for engagement with Elders or cultural liaisons will be provided to offer emotional support, cultural guidance, and traditional knowledge.
667	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish a working group with Marten Falls First Nation and Aroland First Nation that meets regularly to discuss community-identified topics related to the safe operation of the Community Access Road, including traffic management, emergency preparedness, road user safety, safe driving awareness initiatives, and opportunities to address emerging transportation safety concerns.
668	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will engage with law enforcement agencies regarding road safety considerations associated with the opening and operation of the Community Access Road, including traffic monitoring, speed limit enforcement, and measures to discourage impaired or reckless driving.
669	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will consider alternatives to the use of road salt, where feasible, to reduce the potential for attracting wildlife to the roadway and minimize the risk of vehicle-wildlife collisions.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
670	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will consider the installation of road signage in both English and Indigenous languages, where appropriate, to communicate speed limits, sharp turns, wildlife crossings, and other roadway hazards.
671	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area to meet regularly and discuss community-identified topics related to the construction of the Community Access Road, including opportunities to support community-based violence prevention initiatives, crisis and victim support services, mental health and addictions programming, harm reduction initiatives, family support services, and other measures that promote community safety and well-being.
672	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish working groups with Marten Falls First Nation, Aroland First Nation, and other interested Indigenous communities within the Regional Study Area to meet regularly and discuss community-identified topics related to the construction, operation, and maintenance of the Community Access Road, including potential biophysical effects on human health associated with air quality, noise, vibration, sediment, soil, groundwater, surface water, and land use, and opportunities to address community concerns through monitoring, mitigation, and adaptive management measures.
674	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will involve the biophysical human health team in the development and implementation of spill and leak response procedures. The biophysical human health team will review spill and leak incidents, as appropriate, to support the development of sampling plans and the assessment of potential short-term and long-term human health risks.
676	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will engage with proponents of other projects, where appropriate, to identify opportunities to minimize spatial and temporal overlap of project activities.
677	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will support data sharing among relevant parties, where appropriate and consistent with applicable confidentiality and data governance requirements, to inform environmental monitoring programs and improve the availability of information used to assess Project-related effects.
678	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement required mitigation measures during construction and operations to protect surface water and groundwater. • The owner / operator of the Community Access Road will conduct surface water and groundwater monitoring in accordance with applicable technical discipline studies and monitoring programs.
679	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will review monitoring program results to evaluate potential effects on human health.
680	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will develop and implement a community-based reporting system that enables community members and workers to report Project-related concerns, including concerns related to violence, harassment, and criminal activity. The reporting system will include an option for anonymous reporting, where appropriate.
681	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will provide training and hand-off of all reporting mechanisms that are implemented by the owner / operator, so that the data remain in the hands of the community to support long-term response and prevention.
682	• Community Well-Being	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement required mitigation measures during construction and operations to protect surface water, groundwater, soils, sediment, and air quality, and to minimize noise levels. • The owner / operator of the Community Access Road will conduct monitoring in accordance with applicable technical discipline studies and monitoring programs.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
683	• Community Well-Being	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will establish Working Groups with Marten Falls First Nation and Aroland First Nation during detail design. The proponent and / or owner / operator of the Community Access Road will meet regularly with the Working Groups throughout detail design and construction and, where appropriate, during operations and maintenance to discuss community-proposed topics related to the Community Access Road, including measures to avoid or reduce pressures on local essential services and infrastructure.
686	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop a comprehensive inventory of Project labour, procurement, business, and contracting requirements by identifying anticipated workforce, procurement, and contracting needs and categorizing these requirements according to short-, medium-, and long-term timeframes to support Project planning and implementation.
687	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will develop a comprehensive inventory of the Marten Fall First Nation and Aroland First Nation current labour and business / procurement / contracting capacities and capabilities to address the project's requirements by engaging Marten Falls and Aroland leaders and members virtually; collecting data (i.e., labour market information; and business and procurement data); analyzing and categorizing skills inventory, business capabilities and contracting experience.
688	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will conduct a labour, business, procurement, and contracting demand and supply gap analysis and develop initiatives to address identified gaps.
689	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and implement a Local Content Plan that includes targets for the participation of local businesses and contractors in operation and maintenance activities.
691	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will develop waste management policies to minimize waste production and support responsible disposal. Collaboration with affected Indigenous community will be prioritized to develop effective construction waste management and disposal strategies, incorporating local input.
692	• Community Well-Being	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks	• The proponent of the Community Access Road will complete chemical analysis of quarry materials proposed for road construction during detail design to assess their potential contribution to fugitive dust during construction and operations and maintenance. Results of the analysis will be considered in material sourcing decisions and in the development and implementation of appropriate mitigation measures.
694	• Climate Adaptation and Resiliency	• Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require contractors to provide workers with appropriate rest breaks during construction, suitable personal protective equipment, and air-conditioned accommodations or common areas in worker camps. During periods of extreme heat, flexible work schedules and other heat stress mitigation measures will be implemented to reduce risks to worker health and safety.
695	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will incorporate measures to improve the thermal efficiency of construction trailers, including appropriate insulation, ventilation, building materials, and reflective or light-coloured roofing where feasible, to reduce indoor temperatures and minimize energy demand for cooling during periods of hot weather.
696	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will use light-coloured or reflective enclosures for outdoor electrical and mechanical equipment, where appropriate, to reduce heat absorption, help prevent equipment overheating during periods of hot weather, and support reliable operation of power and heating systems.
697	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement a hot weather and heat wave alert protocol to identify, monitor, and communicate conditions that may affect the health and well-being of community members, visitors, and workers, and will provide information on appropriate response measures during such events.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
698	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will communicate information on the health risks associated with extreme heat events to community members, visitors, and workers. Heat wave warnings, health and safety information, and recommended protective measures will be disseminated through appropriate communication channels, such as signage in construction camps and community facilities, during periods of extreme heat.
699	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require that worker exposure to extreme temperatures and heat wave conditions be reduced through the modification of physically demanding work activities and adjustment of work schedules, as appropriate, during periods of elevated temperature, humidity, or other conditions that increase the risk of heat-related illness.
700	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require that designated cool, shaded, or air-conditioned areas be provided for workers during construction activities to reduce exposure to extreme temperatures and heat-related health risks.
701	• Climate Adaptation and Resiliency	• Detail Design / Pre-Construction • Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The proponent of the Community Access Road will design drainage systems to accommodate heavy rainfall events and incorporate clearly defined overland flow routes to convey runoff safely. On larger fill sites and areas with extensive graded slopes, the owner / operator of the Community Access Road will implement appropriate erosion and sediment control measures, such as erosion control blankets, synthetic ditch checks, straw wattles, or equivalent measures, to reduce erosion and support site stabilization.
702	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will use non-moisture susceptible building materials so that work can continue during rain events (ex quarried rock, granular fill materials)
704	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will increase inspections and maintenance of construction trailers and other installations to prevent the worsening of wear and tear during heavy rainfall and flooding events.
705	• Climate Adaptation and Resiliency	• Detail Design / Pre-Construction • Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and implement an Emergency Preparedness and Management Plan in the case of a heavy rainfall or flood event.
706	• Climate Adaptation and Resiliency	• Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator will communicate the conditions of the roadway with the public in order to encourage people to be careful when traveling.
707	• Climate Adaptation and Resiliency	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The proponent and / or owner / operator will develop and implement an Emergency Preparedness and Management Plan in the case of a heavy snowfall event.
708	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement early warning systems to prepare for wildfire events and make informed decisions about construction camp closures.
709	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will regularly remove accumulations of combustible ground litter and high-risk vegetation, including dead, dying, dried, or overmature trees, from areas surrounding construction camp infrastructure and other project facilities, including explosives storage areas, to reduce wildfire risk and the potential for fire ignition and spread.

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710	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will maintain grasses surrounding construction camp infrastructure and other project facilities at a height of less than 10 centimetres, where feasible, during the fire season to reduce the availability of combustible vegetation and the risk of fire ignition and spread.
711	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will install and maintain appropriate fire suppression infrastructure, including external unmanned sprinkler systems where feasible, and will maintain accessible water supplies for fire response at construction camps and other project facilities.
712	• Climate Adaptation and Resiliency	• Detail Design / Pre-Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The proponent of the Community Access Road will consider wildfire risk, durability, and long-term maintenance requirements during bridge design and will preferentially use non-combustible materials, such as steel or concrete, for bridge structures where technically feasible and appropriate.
713	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will monitor air quality and wildfire smoke conditions during construction activities and will require appropriate measures to reduce worker exposure to smoke, including modification of work schedules, work activities, or other protective measures, as warranted by air quality conditions. Wildfire smoke forecasts and current conditions from recognized sources, such as FireSmoke Canada, will be reviewed to support planning and response activities.
714	• Climate Adaptation and Resiliency	• Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will communicate information on the health risks associated with the public. Information regarding wildfire conditions, smoke impacts, roadway conditions, evacuation notices, and recommended protective measures will be disseminated through appropriate communication channels, such as construction camps, community facilities, and other public information platforms, when warranted by wildfire events.
715	• Climate Adaptation and Resiliency	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The proponent will develop an Emergency Preparedness and Management Plan in the case of a wildfire event. The owner / operator of the Community Access Road will implement the plan as required.
716	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will require that construction equipment, materials, temporary structures, and other site infrastructure be secured, stabilized, or otherwise protected in advance of forecasted thunderstorms or high wind events to reduce risks to worker safety, the public, and the environment.
717	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will communicate information regarding thunderstorm hazards and associated health and safety risks to the public. Information on forecasted and active thunderstorm conditions, travel advisories, and recommended safety measures will be disseminated through appropriate communication channels, such as construction camps, community facilities, and other public information platforms, when warranted by weather conditions.
719	• Climate Adaptation and Resiliency	• Detail Design / Pre-Construction • Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The proponent and / or owner / operator of the Community Access Road will develop and implement an Emergency Preparedness and Management Plan in the case of a thunderstorm.
720	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish a storm warning system that alerts road users in advance so that they can plan their travel.
721	• Climate Adaptation and Resiliency	• Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will establish and communicate guidelines on what to do in case of a thunderstorm to road users.

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722	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will schedule inspections and maintenance of culverts to prevent the worsening of wear and tear following the winter season.
723	• Climate Adaptation and Resiliency	• Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement appropriate erosion protection measures on larger fill sites and areas with extensive graded slopes to reduce erosion and promote site stabilization. Measures may include erosion control blankets to support revegetation, synthetic ditch checks, straw wattles, or other suitable erosion and sediment control measures.
724	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will increase inspections and undertake maintenance, as required, following extreme rainfall events to identify and address conditions that could contribute to roadway deterioration, erosion, or drainage issues during future heavy rainfall or flooding events.
725	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will conduct regular grading and maintenance of the roadway, as required, to repair potholes and maintain a crowned road surface with an approximate 4 percent crossfall, where appropriate.
726	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will conduct scour monitoring at bridge structures following flood and high-flow events and will implement corrective measures, as required.
727	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will conduct additional inspections of rest stops and road turnouts following severe weather events, including heavy rainfall, flooding, and thunderstorms, and will undertake maintenance, as required, to address damage and deterioration.
728	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will implement and maintain systems to monitor and communicate hazardous conditions, including severe weather, flooding, wildfires, smoke, and other events that may affect road conditions, access, or travel safety.
731	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will conduct regular inspections and maintenance of bridges to remove accumulated flammable debris and maintain safe travel conditions.
732	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will increase inspections and maintenance of bridges and culverts following wildfire events to prevent further deterioration.
735	• Climate Adaptation and Resiliency	• Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will maintain replacement lighting equipment and undertake repairs or replacement of damaged lighting infrastructure following severe weather events, as required.
737	• Climate Adaptation and Resiliency	• Construction • Operations and Maintenance	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will communicate information regarding hot weather and heat wave conditions to community members, visitors, and workers through established notification procedures.
739	• Climate Adaptation and Resiliency	• Construction	• Environment and Climate Change Canada • Ministry of Environment, Conservation and Parks	• The owner / operator of the Community Access Road will design culverts to accommodate projected future flood and extreme rainfall conditions.

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743	• Peatlands	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will minimize clearing widths in peatland ecosystems to the extent feasible, given the difficulty of effective restoration of these ecosystems. • The proponent and owner / operator of the Community Access Road will adjust the alignment or clear off centre within the right-of-way where warranted, to minimize effects on peatland ecosystems. These details will be refined during detail design. • The owner / operator will locate temporary access roads, staging areas, camps, and debris and / or timber stockpiles in less sensitive ecosystems (e.g., upland ecosystems), where feasible. Avoid peatland communities for temporary features wherever feasible.
744	• Peatlands	• Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and owner / operator of the Community Access Road will prepare and implement a Vegetation Restoration Plan that includes measures specific to peatland ecosystems, including peatland restoration and peat stockpile management. The Plan will be developed through engagement and consultation with Indigenous communities and will incorporate applicable Indigenous Knowledge and stewardship protocols. • The Vegetation Restoration Plan will: – Identify all temporarily disturbed peatland communities within the construction Disturbance Area and evaluate their suitability for restoration. – Establish criteria for determining where peatland restoration is feasible and where alternative restoration or reclamation approaches may be required. – Identify priority areas for peatland restoration where restoration of all temporarily disturbed peatland communities is not feasible. – Include peatland restoration techniques appropriate to the community type being restored and based on established practices demonstrated to support the re-establishment of ecological functions, including hydrology, peat-forming processes, and characteristic vegetation communities. – Consider differences among peatland community types (e.g., bogs, fens) when selecting restoration methods. Where appropriate, techniques such as the Moss Layer Transfer Technique may be applied for bog and poor fen restoration, while alternative or modified approaches may be used for other peatland types.
745	• Peatlands	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and owner / operator will design and implement a program to monitor for peatland conditions in the vicinity of project activities. The program will include science-based thresholds or indicators of peatland condition based on research and established standards, like those presented in Minasny et. al, 2023, as well as mitigation and adaptive response plan to prevent long term damage or carbon release. Details regarding the thresholds and indicators as well as the number of monitoring locations and the length of the monitoring period will be determined in subsequent Project phases.
748	• Peatlands	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will perform clearing and construction activities in winter months where feasible, to minimize compaction of peat. A review of the project construction schedule will be completed during detail design to coordinate work based on environmental timing windows and timing restrictions.
752	• Peatlands	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will construct the Community Access Road through peatland communities using a “floating road” construction methodology to allow for groundwater movement below and through the road embankment. This approach will involve: – Completion of a detailed ground survey, characterizing the peat and local hydrology at a later stage of the project / detail design. – Site-specific identification of appropriate values for peat strength. – Use of a geogrid base to act as a separator and strengthener between the road subgrade fill materials and the peat. – Use of additional geogrid and geotextile materials in layers combined with road aggregate material above the embankment fill to form a mechanically stabilized layer. This layer will provide the required strength and stiffness for the road to perform during all seasons, including spring thaw. – Design the Floating Road Plan, profile and cross-section for each road section based on context-sensitive design standards, geometry and loading.

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				– Provide transitions between “floating road” sections, excavated, and fill sections. – Schedule construction to allow for primary settlement of the peat without risk of shear failure. – * Monitor the work through construction, measuring and recording lateral movement and settlements. Be prepared to adjust the design based on observation and monitoring.
753	• Peatlands	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will carefully consider placement of culverts in peatland environments with a particular emphasis on the installation of culverts in areas where the road runs perpendicular to the natural flow of groundwater. This can help to minimize the impacts on local carbon and methane emissions and increased enzyme activity noted above (Saraswati and Strack, 2019; Saraswati et al., 2019; Saraswati et al., 2023).
754	• Peatlands	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator of the Community Access Road will design and implement a pre-, during- and post-construction monitoring program that assesses surface and groundwater movement and allows for the maintenance of pre-construction conditions to the extent feasible. This includes the creation of a monitoring program that involves geochemical testing on exposed bedrock and soils to assess the potential for acid rock drainage and / or metal leaching as it relates to methylmercury production in peatland communities present within the construction Disturbance Area. The program will also monitor potential increases in methylmercury production related to changes in groundwater levels as a result of the construction of the Community Access Road.
758	• Peatlands	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator of the Community Access Road will adjust the alignment or clear off centre within the right-of-way to minimize peatland fragmentation and the creation of new forested swamp edges, where feasible. These details will be refined during detail design.
776	• Peatlands	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will decommission and rehabilitate temporary access roads, staging areas, camps, and debris and / or timber stockpiles following construction. Details related to peatland rehabilitation will be determined at detail design by the proponent and / or when the Vegetation Restoration Plan is developed.
778	• Peatlands	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will refine peatland community mapping and field-verify the locations of sensitive or difficult to restore communities (e.g., fens and bogs) to inform the micro-siting of temporary access roads, staging areas, camps, debris and / or timber stockpiles, as well as the centreline of the Community Access Road within the 100 m cleared right-of way.
779	• Peatlands	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will complete an assessment of pit / quarry locations to identify potential effects due to changes in hydrogeology / hydrology on peatland communities within the radius of influence for dewatering programs.
781	• Peatlands	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and owner / operator of the Community Access Road will develop and implement a peatlands groundwater monitoring and water budget study during detail design to determine groundwater flow and influence on peatland ecosystems. This will further inform the assessment of the potential Project impacts on peatland ecosystems and the associated mitigation recommendations that will be confirmed and refined at detail design.
783	• Peatlands	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will locate the groundwater monitoring instruments (e.g., piezometers) approximately every 1,000 m along sections of the road that will be constructed with the “floating road” construction methodology. Details of the monitoring plan including the final placement of piezometers and the duration of monitoring will be developed and refined during detail design.

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784	• Peatlands	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will establish monitoring locations both up- and down-gradient of the future road to capture pre, during and post construction groundwater levels and movement patterns. Monitoring locations should be located away from equalization culverts.
785	• Peatlands	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will implement a groundwater monitoring program in accordance with permit requirements, hydrogeological studies, and Project monitoring plans, including monitoring three times annually (spring, summer, and fall), where applicable.
788	• Peatlands	• Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will monitor peatland community response to any potential changes in hydrogeology throughout construction (e.g., in the vicinity of dewatering activities and either side of “floating road” segments).
789	• Peatlands	• Construction	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator of the Community Access Road will monitor whether erosion and sedimentation control measures are functioning as intended and to direct repair and adaptive management measures, where required.
790	• Peatlands	• Detail Design / Pre-Construction • Operations and Maintenance	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator of the Community Access Road will design and implement a program to monitor and manage any rehabilitated and restored peatland communities as well as any wetland offset areas. Details regarding the number of monitoring locations, level of effort and length of the monitoring period will be determined during detail design, if any peatland communities are restored or created.
791	• Peatlands	• Detail Design / Pre-Construction • Operations and Maintenance	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator of the Community Access Road will design and implement a program to monitor installed groundwater wells to confirm water flow beneath the road is being maintained. Monitoring will occur at the same locations established during pre-construction and will occur three times annually (spring, summer, fall) for a length of time to be determined during detail design.
792	• Peatlands	• Detail Design / Pre-Construction • Operations and Maintenance	• Ministry of Natural Resources • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator of the Community Access Road will design and implement a program to monitor peatland community responses to any potential changes in hydrogeology. Details regarding the number of monitoring locations and the length of the monitoring period will be determined in subsequent Project phases.
793	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will obtain all required approvals for water takings and will implement water conservation measures and best management practices for water taking, reuse, discharge, and monitoring at aggregate pits and quarries.
794	• Groundwater	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The proponent of the Community Access Road will design construction dewatering to minimize the amount of groundwater that has to be extracted.

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795	• Groundwater	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will locally discharge groundwater removed during construction, where feasible, to promote infiltration and maintain local hydrological conditions, subject to applicable approvals and regulatory requirements.
796	• Groundwater	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The proponent of the Community Access Road will conduct site-specific hydrogeological studies for any groundwater sourced water supplies used for Project construction.
799	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will implement groundwater monitoring programs in accordance with applicable permits, approvals, Project monitoring plans, and site-specific hydrogeological studies.
800	• Groundwater	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will design drainage and infiltration measures to promote local infiltration of water, while preventing the infiltration of contaminated water and avoiding adverse effects associated with elevated groundwater levels.
801	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will implement drainage best management practices in accordance with applicable guidance documents and regulatory requirements.
804	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will have all aggregate pits and quarries permitted by the Ministry of Natural Resources under the Ontario Aggregate Resources Act (Government of Ontario, 1990a) including technical studies to assess any extraction proposed below the water table.
808	• Groundwater	• Detail Design / Pre-Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The proponent and / or owner / operator of the Community Access Road will design and construct the road to maintain groundwater flow through peatlands at rates that approximate natural conditions.
810	• Groundwater	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will implement a groundwater monitoring program in peatland areas where the road is constructed to assess potential changes in groundwater flow beneath the road.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
812	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will provide training to Project staff on the Spill Prevention and Emergency Response Plan.
813	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will regularly inspect machinery and equipment and maintain appropriate spill containment supplies at all worksites.
814	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will limit fuelling activities to designated areas equipped with appropriate secondary containment and spill containment measures.
816	• Groundwater	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will maintain the road in accordance with applicable standards to reduce risks to road users and minimize the potential for accidents and associated spills.
817	• Groundwater	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The proponent and / or owner / operator of the Community Access Road will develop and implement a Waste Management Plan that includes procedures for the storage, handling, transportation, and disposal of waste materials.
818	• Groundwater	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will provide training to all Project staff on the requirements of the Waste Management Plan.
819	• Groundwater	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will store Project wastes in designated containment areas until they are removed for reuse, recycling, treatment, or disposal in accordance with applicable regulatory requirements.
820	• Groundwater	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will collect, manage, treat, and dispose of wastewater generated by Project activities in accordance with applicable regulatory requirements and water quality standards.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
821	• Groundwater	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will obtain permitting for any releases of wastewater through an Environmental Compliance Approval from the Ministry of the Environment, Conservation and Parks.
822	• Groundwater	• Construction	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will carry out blasting according to applicable regulations such as the Explosives Act (Government of Canada, 1985) and the Transportation of Dangerous Goods Act (Government of Canada, 1992).
823	• Groundwater	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The proponent and / or owner / operator of the Community Access Road will develop and implement a Blasting and Communication Management Plan that includes procedures for explosives handling, storage, loading, and communication to minimize potential effects on the environment and reduce explosives residue following blasting activities.
824	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will monitor water quality in quarry sumps and downstream of blasting areas and will compare results to applicable regulatory criteria and site-specific action levels for contaminants of concern.
825	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will conduct post-blast inspections to evaluate blast performance and identify issues related to blast design and detonation.
826	• Groundwater	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The proponent and / or owner / operator of the Community Access Road will develop and implement a geochemical monitoring program to characterize bedrock and soils exposed during excavation activities.
827	• Groundwater	• Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will avoid excavation of materials identified as having the potential for acid generation or metal leaching. Where avoidance is not feasible, the owner / operator will implement site-specific mitigation and management measures to contain and manage potential acid rock drainage and metal leaching.
828	• Groundwater	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Ministry of Natural Resources • Ontario Parks • Ministry of Transportation • Transportation Canada	• The owner / operator of the Community Access Road will conduct road maintenance and dust control activities in accordance with best management practices to minimize the use of chemical dust suppressants and reduce the potential for chemical runoff to the environment.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
829	Groundwater	Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Ontario Parks - Ministry of Transportation - Transportation Canada	The owner / operator of the Community Access Road will evaluate and, where practical, use alternative dust control products or methods that reduce the potential for runoff, infiltration, and adverse environmental effects.
830	Groundwater	- Detail Design / Pre-Construction - Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Ontario Parks - Ministry of Transportation - Transportation Canada	- The owner / operator of the Community Access Road will conduct a groundwater monitoring program to establish baseline groundwater levels and quality. Groundwater levels and quality will be monitored as follows: - Groundwater monitoring stations will be established at areas where large groundwater takings are expected or where potential for impacts on groundwater quality exists, such as pits, quarries, temporary construction camps, laydown yards, road constructed over peatland, and large structure foundations or road cuts / fills. - The groundwater monitoring stations will be located between the anticipated work area and nearby receptors such as wetlands, waterbodies, and seeps / springs. Multiple groundwater monitoring stations may be required at larger sites to assess effects on various or large receptors and the groundwater monitors should provide depth coverage to at least the expected water taking depth. - Groundwater levels will be measured at the monitoring stations at least monthly for three months prior to beginning groundwater taking. For pits and quarries which will be extracted below the water table under an Ontario Aggregate Resources Act permit, the groundwater monitoring program will be designed in accordance with the Aggregate Resources of Ontario: Technical Reports and Information Standards (Government of Ontario, 2023) in addition to the Project monitoring program. - Groundwater quality will be sampled at the monitoring stations at least monthly for three months prior to beginning construction work. The groundwater quality samples should be analyzed for general water quality parameters at minimum (i.e., pH, temperature, conductivity, hardness, alkalinity, chloride, nitrate, nitrite, sulphate, phosphate, ammonia, total dissolved solids, dissolved organic carbon, calcium, copper, iron, magnesium, manganese, potassium, sodium, and zinc). Sampling for metals parameters will include both dissolved and total concentrations to assess the influence of suspended solids on the concentrations. Additional parameters of concern will also be sampled for where identified, for example sampling for volatile organic compounds near areas where fuel or chemical storage is located. - In addition to the above recommended pre-construction monitoring, at sites where construction activities will require permitting for dewatering and water management such as Permit to Take Water, Environmental Activity and Sector Registry, and / or Environmental Compliance Approvals, the groundwater monitoring will be enhanced on a site-by-site basis to support the required permitting studies. - The owner / operator will conduct a geochemical testing and monitoring program to assess the potential for acid rock drainage from any soils, or bedrock, which will be exposed during the construction phase. As part of this monitoring program: - Acid base accounting analysis will be carried out and materials assessed for acid rock drainage potential based on the classification as outlined in MEND (2009).

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
831	• Groundwater	• Construction	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Ontario Parks - Ministry of Transportation - Transportation Canada	- The owner / operator of the Community Access Road will conduct a groundwater monitoring program to measure groundwater levels and quality and compare them to existing conditions. Groundwater levels and quality will be monitored as follows: - Groundwater monitoring stations established for the pre-construction monitoring programs will be maintained and monitored through construction. - Groundwater levels will be measured at the monitoring stations at least weekly during construction Phase activities. During active groundwater takings, the nearby groundwater levels will be measured at least daily. - Groundwater quality will be sampled at the monitoring stations at least monthly for the same parameters as the pre-construction monitoring. - In addition to the above recommended construction monitoring, at sites where construction activities require permits for dewatering and water management such as Permit to Take Water, Environmental Activity and Sector Registry. - Environmental Compliance Approvals, the groundwater monitoring will be enhanced and maintained on a site-by-site basis to support any permit requirements.
832	• Groundwater	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Ontario Parks - Ministry of Transportation - Transportation Canada	The owner / operator of the Community Access Road will continue groundwater monitoring until monitoring results confirm that groundwater conditions have stabilized or until monitoring is no longer required. Groundwater monitoring infrastructure that is no longer required will be decommissioned in accordance with applicable regulatory requirements.
833	• Groundwater	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Ontario Parks - Ministry of Transportation - Transportation Canada	The owner / operator of the Community Access Road will continue groundwater monitoring where Project-related effects on groundwater quantity or quality have been identified until groundwater conditions have stabilized, returned to baseline equivalent conditions, or an approved site-specific remediation and monitoring program has been implemented.
834	• Groundwater	• Operations and Maintenance	- Ministry of the Environment, Conservation and Parks - Ministry of Natural Resources - Ontario Parks - Ministry of Transportation - Transportation Canada	The owner / operator of the Community Access Road will continue groundwater monitoring at active Project facilities and areas where activities have the potential to affect groundwater quantity or quality for the duration of those activities.
836	• Consultation	• Detail Design / Pre-Construction	• Indigenous Community	The proponent of the Community Access Road will offer Indigenous communities, including Aroland First Nation, opportunities to participate in the field study programs and monitoring, when applicable.
837	• Consultation	- Detail Design / Pre-Construction - Construction	• Indigenous Community	The owner / operator of the Community Access Road will continue dialogue with Aroland First Nation during construction about the Southern portions of the Community Access Road.
838	• Cultural Heritage and Resources (Archeology)	• Detail Design / Pre-Construction	• Indigenous Community	The proponent of the Community Access Road will assess any areas of archaeological importance identified by Fort Albany First Nation during the Stage 2 Archaeological Assessment fieldwork, in accordance with the response to Fort Albany First Nation's feedback on the Stage 1 Archaeology Assessment Report.
839	• Land and Resource Use	• Detail Design / Pre-Construction	• Interested Persons	The proponent of the Community Access Road will continue consultation with Twin Lakes Outfitters into the detail design phase related to river crossings and proximity to camps.
840	• Land and Resource Use	• Construction	• Interested Persons	The owner / operator of the Community Access Road will work with Marten Falls First Nation to identify opportunities for the community to use wood generated from clearing and grubbing operations, where feasible and in accordance with applicable regulatory requirements.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
841	Land and Resource Use	Construction	Interested Persons	The owner / operator of the Community Access Road will require construction contractors to prepare and implement Environmental Protection Plans and will apply applicable camp rules, restrictions, and environmental requirements to workers at construction camps.
843	- Engineering and Design (incl. Bridges and Culverts) - Draft EA/IS Section	- Detail Design / Pre-Construction - Operations and Maintenance	Indigenous Community	During detail design, the proponent of the Community Access Road will assess and incorporate wildlife crossing and terrestrial connectivity measures, where warranted, based on the micro-sited alignment and site-specific conditions. The effectiveness of implemented measures will be evaluated through post-construction monitoring, and adaptive management will be applied as appropriate.
844	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will determine the details of rest areas and access points in the detail design phase of the project in collaboration with Marten Falls First Nation and Aroland First Nation.
845	- Engineering and Design (incl. Bridges and Culverts) - Draft EA/IS Section	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will design the roadway to accommodate fish and / or reptile passage, where feasible and consistent with site conditions. Where the roadway is identified as a significant obstruction to safe wildlife movement, the proponent will consider the use of bridges or large culverts to facilitate wildlife passage.
848	- Draft EA/IS Section - Engineering and Design (incl. Bridges and Culverts) - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will consider appropriate engineering measures during detail design to address settlement-related risks and will incorporate those measures into the construction plan.
849	General	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Interested Persons	The proponent and owner / operator of the Community Access Road will continue dialogue with Indigenous communities and work to reflect Indigenous values, perspectives, and voices throughout project development and implementation.
851	- Engineering and Design (incl. Bridges and Culverts) - Draft EA/IS Section	- Detail Design / Pre-Construction - Operations and Maintenance	Indigenous Community	The proponent of the Community Access Road will determine wildlife crossing requirements during detail design based on the micro-sited route alignment, bridges, and other project features. The owner / operator of the Community Access Road will undertake post-construction monitoring to evaluate the effectiveness of wildlife crossings and inform future management measures.
857	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Construction	Indigenous Community	The owner / operator of the Community Access Road will require the construction contractor to determine and use appropriate types of construction vehicles for construction of the Community Access Road.
858	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The owner / operator of the Community Access Road will construct temporary structures in the form of culverts and / or bridges at water crossings along temporary access roads to aggregate pits and construction camp sites. It is possible that temporary structures may also be required to facilitate the construction of the main bridges. These structures will be removed upon completion of the construction. - The proponent of the Community Access Road will determine the decommissioning of all temporary roads during detail design. If an access road is to be decommissioned, temporary culverts are removed and the stream / water crossing is brought back to natural condition. The access road footprint is generally left in place but made to be un-useable to discourage use.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
859	- Draft EA/IS Section - Fish and Fish Habitat	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will have newly identified waterbodies assessed by a qualified Aquatics Specialist prior to construction and will implement recommended mitigation, enhancement, and permitting requirements, including consultation with local First Nation communities and applicable regulatory agencies, where required.
861	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent of the Community Access Road will determine the method of domestic sewage disposal at temporary construction camps during detail design. If required and when feasible, domestic wastewater will be removed by approved disposal trucks and disposed of at wastewater treatment plants with the authorization and capacity to accept this wastewater.
863	- Draft EA/IS Section - Provincial Process	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent and owner / operator of the Community Access Road will develop and implement a project-specific Environmental Protection Plan during detail design and construction that includes measures to prevent, detect, control, and monitor invasive plant species.
864	- Draft EA/IS Section - Ungulates	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will consider features during detail design for accommodating wildlife-friendly crossings. Decisions about mitigations (including whether wildlife over and under passes could be constructed, and if so, where) will take into account best practices from Ministry of Transportation, current understanding of caribou and moose movement relative to the road alignment, recommendations received from comments on the draft EA/IS, and feasibility/constructability based on environmental conditions.
865	- Draft EA/IS Section - Physiography, Terrain, and Soils	Construction	Indigenous Community	The owner / operator of the Community Access Road will conduct a monitoring program during construction that includes monitoring of water quality parameters of concern, as required, to satisfy the conditions and / or requirements of applicable permits and approvals, and to confirm the effectiveness mitigation and enhancement measures. This will include monitoring of mercury either directly or using suspended solids as a proxy indicator.
869	- Climate Change - Draft EA/IS Section	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent of the Community Access Road will determine the specific approach to the Biodiversity Offset Plan through consultation with Environment and Climate Change Canada, the Ministry of the Environment, Conservation and Parks, and the Ministry of Natural Resources, but will generally follow a hierarchy of restoration, reclamation and offset alternatives. - The owner / operator of the Community Access Road will implement measures to minimize peatland disturbance and maintain hydrological connectivity and will develop peatland restoration, reclamation, and biodiversity offset measures, to the extent feasible, in consultation with applicable regulatory agencies.
870	- Ungulates - Draft EA/IS Section - Fish and Fish Habitat	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent and owner / operator of the Community Access Road will design and construct the Community Access Road in a manner that minimizes adverse effects on fish, fish habitat, and wildlife, including moose, by implementing applicable mitigation measures, best management practices, and regulatory approval conditions; maintaining natural channel function and downstream flows at watercourse crossings; avoiding sensitive habitats where feasible; conducting in-water works outside applicable restricted activity timing windows; implementing, monitoring, and maintaining erosion and sediment control measures to prevent sediment release to waterbodies; implementing measures to prevent the introduction and spread of invasive species; and considering potential effects of increased Project access on wildlife, including increased harvest pressure on moose identified by Indigenous communities.
871	Economy	- Construction - Operations and Maintenance	Indigenous Community	- The owner / operator of the Community Access Road will rehabilitate disturbed areas adjacent to the Community Access Road be following construction to reflect surrounding natural conditions. - The owner / operator of the Community Access Road will implement habitat enhancements adjacent to the Community Access Road as part of site rehabilitation activities. - If a business alleges loss of revenue attributable to the Community Access Road, the owner / operator will work with the business owner to investigate the alleged losses.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
873	- Fish and Fish Habitat - Indigenous Knowledge and Land Use - Operations and Maintenance (incl. post-construction monitoring) - Draft EA/IS Section - Physiography, Terrain, and Soils	- Detail Design / Pre-Construction - Construction	Indigenous Community	The owner / operator of the Community Access Road will implement a construction-phase water quality monitoring program, as required by applicable permits and approvals, to monitor water quality parameters of concern and verify the effectiveness of mitigation and enhancement measures, including monitoring mercury directly or through suspended solids as a proxy indicator where appropriate, and will continue to consider Indigenous Knowledge during the detail design phase.
874	- Fish and Fish Habitat - Operations and Maintenance (incl. post-construction monitoring) - Draft EA/IS Section	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent and owner / operator of the Community Access Road will complete site-specific fish and fish habitat assessments, surface water surveys, hydraulic modelling, and detail design for waterbody crossings; design and install culverts and other crossing structures in fish-bearing waterbodies to maintain fish passage in accordance with Fisheries and Oceans Canada guidance and applicable regulatory requirements; submit crossing designs as required to support Fisheries and Oceans Canada and Ministry of Natural Resources permitting; and inspect, maintain, and operate waterbody crossings in accordance with applicable best management practices, codes of practice, environmental approval conditions, and regulatory guidelines to prevent blockages and maintain fish habitat connectivity and function.
877	- Peatlands - Future Indigenous Involvement - Cumulative Effects	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent of the Community Access Road will complete additional peatland investigations during detail design, including a groundwater monitoring program and water budget study, to improve understanding of peatland hydrology and hydrogeology and to support design refinement. - The proponent and owner / operator of the Community Access Road will continue to engage and consult with Indigenous communities throughout detail design and will consider available Indigenous Knowledge in the identification and protection of sensitive peatland areas. - The proponent of the Community Access Road will implement a peatland monitoring program that includes science-based thresholds and indicators of peatland degradation based on established standards and research. - The proponent of the Community Access Road will develop and implement mitigation and adaptive response measures where monitoring identifies conditions that may result in peatland degradation, long-term damage, or carbon release.
886	Request for Regulators	Detail Design / Pre-Construction	Indigenous Community	During the detail design phase, the proponent of the Community Access Road will define and implement engagement processes to enable appropriate Indigenous community participation and representation in the design process.
891	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	The proponent of the Community Access Road will determine the domestic wastewater management system for temporary construction camps during detail design. The owner / operator of the Community Access Road will manage domestic wastewater in accordance with applicable legislation, best practices, guidelines, approvals, and permits, and will decommission construction camps and associated domestic wastewater systems following completion of construction activities.
893	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Physiography, Terrain, and Soils	- Detail Design / Pre-Construction - Construction	Indigenous Community	The owner / operator of the Community Access Road will monitor turbidity and suspended solids (sedimentation) according to the requirements of the anticipated Fisheries and Oceans Canada (DFO) and Ministry of Natural Resources (MNR) permits to determine if sediment control measures are effective. The monitoring will follow the Canadian Council of Ministers of the Environment's Canadian Water Quality Guidelines for the Protection of Aquatic Life (CCME, 1999). Turbidity will be measured using a water quality meter and samples will be collected for laboratory analysis of total suspended solids and are expected to be requirements of the anticipated DFO and MNR permits. Timing of monitoring and baseline characterization will be determined during monitoring plan development during the detail design and permitting phase of the project.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
897	• Draft EA/IS Section • Future Indigenous Involvement • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will develop and implement the Erosion and Sediment Control Plan. The Erosion and Sediment Control Plan will be shared with Animbiigoo-Zaagi'igan Anishinaabek First Nation.
899	• Engineering and Design (incl. Bridges and Culverts) • Draft EA/IS Section • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop an Erosion and Sediment Control Plan during detail design and will include site-specific plans for all watercourse crossings to address setback distances, ice-damming and erosion.
901	• Draft EA/IS Section • Fish and Fish Habitat	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will develop protocols for the prevention of aquatic invasive species introduction and spread during construction and include those protocols in the Project-specific Environmental Protection Plan. • The owner / operator of the Community Access Road will implement applicable best management practices and regulatory requirements to reduce the spread of invasive species and will share the Environmental Protection Plan with Animbiigoo-Zaagi'igan Anishinaabek First Nation.
903	• Draft EA/IS Section • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Indigenous Community	• During detail design, the proponent of the Community Access Road will consider increasing the riparian buffer around certain waterbodies with a high slope if it is determined to be suitable or necessary to protect the waterbody from sediment mobilization.
905	• Access and Security • Draft EA/IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will consider items noted by Aroland First Nation including that the road is in a remote setting, wildlife corridors, soil conditions and erosion during the detail design phase.
906	• Draft EA/IS Section • Future Indigenous Involvement • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will seek to achieve a material cut / fill balance at the project level and will consider material balances throughout the phased project length during preliminary and detail design. • The proponent of the Community Access Road will continue engagement with Indigenous communities, including Aroland First Nation, as the Community Access Road progresses to subsequent project phases.
907	• Engineering and Design (incl. Bridges and Culverts) • Draft EA/IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will complete culvert design during the preliminary and detail design phases and will include culvert designs in permit applications submitted to Fisheries and Oceans Canada and the Ministry of Natural Resources. The proponent will consider the use of open-bottom box culverts at watercourse crossings where required to maintain natural flow and substrate conditions.
908	• Acoustic Environment (Acoustic and Vibration Environment and Acoustic and Vibration Environment) • Future Indigenous Involvement • Operations and Maintenance (incl. post-construction monitoring) • Acoustic and Vibration Environment • Acoustic and Vibration Environment	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will develop and implement noise and vibration monitoring programs and will share the monitoring programs with Aroland First Nation as they are further developed.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
909	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Physiography, Terrain, and Soils	Construction	Indigenous Community	The owner / operator of the Community Access Road will implement a geochemical monitoring program during construction, including testing of exposed bedrock and soils to confirm the potential for acid rock drainage and metal leaching. If monitoring identifies potential for acid generation and / or metal leaching, the owner / operator will implement additional mitigation measures, with a focus on avoiding disturbance of the affected material.
913	- Access and Security - Draft EA/IS Section	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent of the Community Access Road will design the road with tangent approaches to bridge structures extending a minimum of 150 m in each direction, where feasible, to provide adequate sight distance. - Where standard sight distance requirements cannot be achieved, the owner / operator of the Community Access Road will install advisory speed signage to warn road users of reduced operating conditions.
919	- Draft EA/IS Section - Fish and Fish Habitat	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will refine detailed, site-specific durations for in-water works at individual watercourse crossings during the next phase of the Community Access Road.
920	- Draft EA/IS Section - Fish and Fish Habitat	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will consider sensitive habitat features identified through fish and fish habitat surveys in the siting of final watercourse crossing locations and the design of crossing structures during detail design, where feasible.
921	- Draft EA/IS Section - Fish and Fish Habitat	Construction	Indigenous Community	The owner / operator of the Community Access Road will not use herbicides for vegetation removal and will use manual vegetation clearing within 10 m of watercourses and wetlands to minimize erosion.
925	- Draft EA/IS Section - Groundwater	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will review Environment Canada best management practices during planning for dust control measures and will seek to minimize potential environmental impacts.
927	- Draft EA/IS Section - Future Indigenous Involvement - Request for Regulators - Ungulates	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will develop an Ungulates Management and Monitoring Plan as part of the Environmental Protection Plan. Mitigation and monitoring recommendations provided by First Nations during the EA/IS review process will be considered for inclusion in the Plan.
928	- Draft EA/IS Section - Ungulates	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent and owner / operator of the Community Access Road will finalize and implement a Biodiversity Offset Plan for functional caribou habitat loss during detail design, including habitat restoration, enhancement and / or long-term habitat protection measures, and will undertake long-term monitoring to evaluate the effectiveness of the offsetting measures and inform adaptive management, as required.
933	- Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring). - Draft EA/IS Section - Future Indigenous Involvement - Operations and Maintenance (incl. post-construction monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The owner / operator of the Community Access Road will suspend construction activities within 30 m of any previously unidentified waterbody encountered during construction until the feature has been assessed by a qualified Aquatic Specialist and appropriate mitigation measures have been determined, including consultation with Fisheries and Oceans Canada and / or the Ministry of Natural Resources, where required. - The proponent and owner / operator of the Community Access Road will develop and implement a project-specific Environmental Protection Plan during the detail design and permitting phases that includes site-specific mitigation measures, including waterbody and watercourse setback requirements. - The proponent of the Community Access Road will evaluate site-specific conditions during detail design and establish enhanced riparian setbacks, where appropriate, to protect waterbodies from potential effects such as sediment mobilization. - The proponent of the Community Access Road will share the Environmental Protection Plan with Aroland First Nation.
935	- Education, Training and Employment - Draft EA/IS Section - Fish and Fish Habitat	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent and the owner / operator of the Community Access Road will develop and implement a policy for non-Indigenous Project personnel regarding hunting, fishing, and trapping activities while on shift or residing at temporary construction camps.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
940	- Climate Change - Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent of the Community Access Road will examine illumination throughout the Community Access Road for the operations phase, during detail design. During the construction phase the owner / operator of the Community Access Road will restrict illumination to construction sites.
941	- Operations and Maintenance (incl. post-construction monitoring) - Draft EA/IS Section	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will design and sign the Community Access Road in accordance with Provincial Highway Standards and will incorporate applicable safety and traffic management requirements into the design, construction, and operation of the Community Access Road, regardless of final ownership.
945	- Draft EA/IS Section - Fish and Fish Habitat	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will conduct pre-construction fish and fish habitat surveys for any previously unassessed waterbody where Project activities are proposed below the high-water mark, with survey timing and methods sufficient to satisfy DFO and MNR permitting requirements.
950	- Operations and Maintenance (incl. post-construction monitoring) - Physiography, Terrain, and Soils - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will have the Permafrost Management Plan reviewed, informed, and verified by qualified professionals.
951	- Draft EA/IS Section - Ungulates	Detail Design / Pre-Construction	Indigenous Community	During the permitting phase, the proponent of the Community Access Road will work with Indigenous communities, including Weenusk First Nation, and applicable regulators to establish requirements for ongoing caribou monitoring during construction and operations of the Community Access Road.
956	- Access and Security - Draft EA/IS Section - Ungulates - Future Indigenous Involvement - Operations and Maintenance (incl. post-construction monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent and owner / operator of the Community Access Road will develop, implement, and share a Moose Access and Monitoring Plan with Animbiigoo-Zaagi'igan Anishinaabek First Nation that includes long-term monitoring of moose presence, population trends, hunting pressure, moose habitat use, access management measures, high-risk moose collision zones, and moose-vehicle collisions. The Plan will incorporate monitoring programs and adaptive management triggers developed in collaboration with Indigenous communities and the Ministry of Natural Resources.
958	- Draft EA/IS Section - Future Indigenous Involvement - Vegetation - Operations and Maintenance (incl. post-construction monitoring)	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will develop a Preliminary Biodiversity Offset Plan to be finalized during detail design.
959	Surface Water	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will review best management practices recommended by Environment Canada as part of planning for dust control measures during detail design.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
960	- Future Indigenous Involvement - Operations and Maintenance (incl. post-construction monitoring) - Economy - Draft EA/IS Section	Detail Design / Pre-Construction	Indigenous Community	The owner / operator of the Community Access Road will share the Environmental Protection Plan with Animbiigoo-Zaagi'igan Anishinaabek.
964	Atmospheric Environment	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will review best management practices recommended by Environment Canada as part of planning for dust control measures, during the detail design phase.
965	Ungulates	Construction	Indigenous Community	The owner / operator of the Community Access Road will complete stabilization of disturbed earth surfaces within 20 calendar days of disturbance. Where final stabilization measures cannot be applied due to timing or seasonal constraints, the owner / operator will implement appropriate interim measures to provide temporary protection until final cover can be applied.
966	- Future Indigenous Involvement - Indigenous Knowledge and Land Use - Peatlands	Detail Design / Pre-Construction	Indigenous Community	- The proponent of the Community Access Road will provide Aroland First Nation with available preliminary design information, including the general locations of tie-ins and ancillary infrastructure associated with the Community Access Road, as such information becomes available during project development. - The proponent will share Community Access Road environmental management plans developed by the owner / operator with Aroland First Nation following their development and as updates become available.
969	- Vegetation - Future Indigenous Involvement	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will share the Vegetation Restoration Plan, Vegetation Management Plan, and Environmental Protection Plan with Aroland First Nation.
972	- Draft EA/IS Section - Groundwater	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will retain a Qualified Person to conduct groundwater monitoring. The Qualified Person will select contaminants of concern for monitoring in accordance with applicable permitting requirements, standards, and regulations, and will consider Indigenous Knowledge and stakeholder input in the development and implementation of the groundwater monitoring program.
974	General	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will refine and clarify project commitments during the detail design phase based on site-specific conditions and technical constraints, and will work collaboratively with Indigenous communities to incorporate shared priorities into the final design.
976	Ungulates	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will refine the construction footprint during the detail design phase and identify opportunities to minimize impacts to caribou habitat.
977	- Future Indigenous Involvement - Operations and Maintenance (incl. post-construction monitoring) - Vegetation	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will finalize the Preliminary Terrestrial Biodiversity Offset Plan during detail design and share it with Aroland First Nation.
978	Provincial Process	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will continue to engage with Indigenous communities regarding the Community Access Road and will provide updates on the regulatory process once guidance is received from the provincial government regarding the implications of Bill 5 for the Project.
979	- Draft EA/IS Section - Vegetation - Atmospheric Environment - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The owner / operator of the Community Access Road will establish and maintain a working group with Marten Falls First Nation, Aroland First Nation, and other affected Indigenous communities to discuss Community Access Road construction activities and related concerns. - The owner / operator of the Community Access Road will work with Indigenous communities to identify key harvesting areas and implement measures to minimize construction-related disturbances and potential contamination of traditional food resources during harvesting seasons. - The proponent of the Community Access Road will evaluate and select appropriate dust suppressant options prior to construction.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
983	• Draft EA/IS Section • Future Indigenous Involvement • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction • Construction	Indigenous Community	• The proponent of the Community Access Road will prepare a construction schedule and include mapping of sensitive features within the Environmental Protection Plan for consideration during construction. • The proponent of the Community Access Road will share the construction schedule with Aroland First Nation and will meet applicable regulatory and consultation obligations associated with sensitive timing windows.
984	• Draft EA/IS Section • Future Indigenous Involvement • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	Indigenous Community	• The proponent of the Community Access Road will develop plans for brush disposal during future phases of the Project and will discuss opportunities to provide unusable timber to Aroland First Nation during the development of those plans.
985	• Draft EA/IS Section • General	• Detail Design / Pre-Construction	Indigenous Community	• The proponent of the Community Access Road will continue consultation with Indigenous communities and will provide documented Environmental Assessment / Impact Assessment commitments to the future owner / operator of the Community Access Road to support their implementation following any ownership transition.
989	• Draft EA/IS Section • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	Indigenous Community	• The proponent of the Community Access Road will share the Permafrost Management Plan with Kashechewan First Nation.
991	• Draft EA/IS Section • Wildlife • Operations and Maintenance (incl. post-construction monitoring) • Future Indigenous Involvement	• Construction	Indigenous Community	• The owner / operator of the Community Access Road will require staff and contractors conducting nest sweeps to demonstrate proficiency and experience in conducting bird surveys and nest sweep surveys. • The owner / operator of the Community Access Road will implement a nest sweep protocol that includes species identification, where possible, to support the application of species-specific protective buffers around active nests.
992	• Draft EA/IS Section • Future Indigenous Involvement • Vegetation • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	Indigenous Community	• Should the Community Access Road EA/IS be approved to proceed, the proponent will establish a consultation and engagement program to guide discussions regarding opportunities to salvage medicinal plants or other plant species of importance in the construction disturbance area during detail design.
995	• Draft EA/IS Section • Future Indigenous Involvement • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	Indigenous Community	• The proponent of the Community Access Road will prepare a Blasting and Communication Management Plan in accordance with Ontario Provincial Standard Specification (OPSS.PROV 120) that describes measures to be implemented when blasting is required in proximity to watercourses. The proponent will share the Blasting and Communication Management Plan with Kashechewan First Nation.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
996	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Construction	Indigenous Community	The owner / operator of the Community Access Road will manage domestic wastewater in accordance with applicable regulatory requirements and will decommission construction camps and associated domestic wastewater systems following construction.
998	- Draft EA/IS Section - Surface Water	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will share the Adaptive Management Plan related to unexpected changes to water quality for the Community Access Road, once developed, with Kashechewan First Nation.
1000	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent of the Community Access Road will conduct site-specific ground-based fish and fish habitat surveys at all waterbody crossings where in-water work below the high-water mark is anticipated, to support Fisheries and Oceans Canada and Ministry of Natural Resources permitting requirements. - The proponent of the Community Access Road will conduct additional fish and fish habitat field surveys during the subsequent phase of the Project to support permitting requirements. - The proponent of the Community Access Road will identify sensitive fish habitat features, including spawning areas and groundwater upwellings, through site-specific field investigations. - The proponent of the Community Access Road will use the results of fish and fish habitat surveys to inform the siting of final waterbody crossing locations and the design of crossing structures. - The proponent of the Community Access Road will apply an avoidance-first approach, where feasible, when siting waterbody crossings and designing structures in areas containing sensitive fish habitat features. - The proponent of the Community Access Road will complete fish and fish habitat investigations and incorporate survey findings into final crossing siting and design prior to construction and in accordance with applicable regulatory requirements.
1002	- Draft EA/IS Section - Fish and Fish Habitat - Future Indigenous Involvement	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will establish a consultation and engagement program to guide discussions regarding fish relocation during the detail design stage.
1006	- Land and Resource Use - Future Indigenous Involvement	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	The proponent and owner / operator of the Community Access Road will develop and implement an Environmental Protection Plan (EPP), share the EPP with Aroland First Nation, and carry forward relevant environmental mitigation and management measures into the operations and maintenance phase of the Project.
1007	- Climate Change - Indigenous Knowledge and Land Use	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will develop and implement climate adaptation measures during detail design and will share these measures with Aroland First Nation.
1011	- Draft EA/IS Section - Future Indigenous Involvement - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will develop a Sediment and Erosion Control Plan in accordance with Ontario Provincial Standard Specifications construction Specification for Temporary Erosion Control (Ontario Provincial Standard Specifications, 2021a) and construction Specification for Temporary Sediment Control (Ontario Provincial Standard Specifications, 2020). The proponent will share the Sediment and Erosion Control Plan with Kashechewan First Nation.
1014	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Groundwater	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will develop a Spill Prevention and Emergency Response Plan during the next phase of the Project and will share the Plan with Kashechewan First Nation.
1015	- Draft EA/IS Section - Future Indigenous Involvement - Groundwater	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will develop a Waste Management Plan during the next phase of the Project and will share the Plan with Kashechewan First Nation.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1016	• Draft EA/IS Section • Future Indigenous Involvement • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop a Blasting and Communication Management Plan during the detail design phase of the Project and will share the Plan with Kashechewan First Nation.
1018	• Draft EA/IS Section • Vegetation • Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will share the Environmental Protection Plan with Kashechewan First Nation.
1019	• Draft EA/IS Section • Future Indigenous Involvement • Vegetation	• Detail Design / Pre-Construction	• Indigenous Community	• The owner / operator will share the Vegetation Restoration Plan with Kashechewan First Nation.
1023	• Draft EA/IS Section • Atmospheric Environment	• Detail Design / Pre-Construction • Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will develop a Project-specific environmental monitoring program during the next phase of the Project that includes mitigation measures to control dust and air emissions during the operation and maintenance phase.
1025	• Request for Regulators	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will continue to engage with Constance Lake First Nation and will define engagement processes during the detail design phase to support appropriate Indigenous community participation and representation in the Project.
1027	• Draft EA/IS Section • Engineering and Design (incl. Bridges and Culverts)	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will evaluate operational lighting requirements during the detail design phase of the Project. Construction-phase lighting will be restricted to construction sites where required for safety purposes.
1030	• Accidents and Malfunctions • Draft EA/IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will design the Community Access Road in accordance with Provincial Highway Standards.
1031	• Draft EA/IS Section • Future Indigenous Involvement	• Construction	• Indigenous Community	• The owner / operator of the Community Access Road will encourage the contractor to consider a culturally appropriate reporting system during construction.
1032	• Draft EA/IS Section • Future Indigenous Involvement • Peatlands	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will engage Kashechewan First Nation in the event that peatlands will be removed or altered.
1042	• Engineering and Design (incl. Bridges and Culverts)	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will incorporate rest areas / pull-out relief points along the Community Access Road at approximately 12.5 km intervals, staggered on alternating sides of the roadway. • The owner / operator of the Community Access Road will install signage along the Community Access Road promoting traveler preparedness, including carrying essential survival supplies and providing information on distances to available fuel and supply services.
1047	• Draft EA/IS Section • Future Indigenous Involvement • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will share the Erosion and Sediment Control Plan with Constance Lake First Nation.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1048	• Draft EA/IS Section • Future Indigenous Involvement • Operations and Maintenance (incl. post-construction monitoring) • Fish and Fish Habitat	• Construction • Operations and Maintenance	• Indigenous Community	• The owner / operator of the Community Access Road will develop and implement waterbody monitoring programs.
1052	• Draft EA/IS Section • Ungulates • Operations and Maintenance (incl. post-construction monitoring)	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will engage with Indigenous communities, including Kashechewan First Nation, and regulators during the permitting phase to determine requirements for ongoing caribou monitoring during the construction and operations phases of the Project.
1053	• Draft EA/IS Section • Indigenous Knowledge and Land Use • Operations and Maintenance (incl. post-construction monitoring) • Ungulates	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will discuss and evaluate potential Before-After Control-Impact monitoring approaches, including remote camera monitoring, during engagement and consultation in the next phase of the Project.
1054	• Draft EA/IS Section • Future Indigenous Involvement • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and the owner / operator of the Community Access Road will develop and implement a soil management plan and will share it with Kashechewan First Nation.
1058	• Draft EA/IS Section • Future Indigenous Involvement • Operations and Maintenance (incl. post-construction monitoring) • Groundwater	• Operations and Maintenance	• Indigenous Community	• The owner / operator will develop and implement all required monitoring programs during the operations and maintenance phase.
1068	• Surface Water	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will review best management practices recommended by Environment Canada as part of planning for dust control measures during the next phase of the Community Access Road. This will include applying dust suppressants, scheduling activities to reduce exposure during dry or windy conditions, etc. Specific measures will be finalized during detail design.
1071	• Future Indigenous Involvement • Peatlands	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will work with Webequie First Nation to identify areas in which their respective road projects can collaborate on where feasible, as desired by Webequie First Nation.
1073	• Future Indigenous Involvement • Wildlife • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent with the owner / operator will develop a Blasting and Communication Management Plan that will be shared with Kashechewan First Nation.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1076	• Ungulates	• Construction	• Indigenous Community	• The owner / operator of the Community Access Road will complete stabilization of disturbed earth surfaces within 20 calendar days of disturbance. Where final stabilization measures cannot be applied within this timeframe, the owner / operator will implement appropriate interim measures to provide temporary protection until final cover can be applied.
1082	• Engineering and Design (incl. Bridges and Culverts) • Draft EA/IS Section • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop the Erosion and Sediment Control Plan during detail design and will include site-specific plans for all watercourse crossings to address setback distances, ice-damming and erosion.
1084	• Draft EA/IS Section • Fish and Fish Habitat	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will develop and implement protocols within the Environmental Protection Plan to prevent the introduction and spread of aquatic invasive species during construction, including adherence to applicable best management practices and regulatory requirements. • The proponent of the Community Access Road will share the Environmental Protection Plan with Constance Lake First Nation.
1091	• Wildlife • Operations and Maintenance (incl. post-construction monitoring) • Draft EA/IS Section • Consultation	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop reporting protocols for wildlife-vehicle collisions and incidental observations of Species at Risk and will incorporate these protocols into the Environmental Protection Plan. • The proponent of the Community Access Road will evaluate potential modifications to the detailed road design to facilitate wildlife movement and maintain habitat connectivity at watercourse crossings.
1092	• Draft EA/IS Section • Wildlife	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop final monitoring programs through consultation with Indigenous communities, and federal and provincial regulators, and will incorporate requirements outlined in federal and provincial permits and / or authorizations.
1095	• Ungulates • Draft EA/IS Section • Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop a comprehensive Moose Access and Monitoring Plan for the Community Access Road. The Moose Access and Monitoring Plan will be shared with Constance Lake First Nation. The plan will include long-term monitoring of moose presence, hunting pressure, identification of high-risk moose collision zones, and moose-vehicle collisions.
1104	• Draft EA/IS Section • Future Indigenous Involvement • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop and implement an Erosion and Sediment Control plan. The plan will be shared with Ginoogaming First Nation.
1105	• Engineering and Design (incl. Bridges and Culverts) • Draft EA/IS Section • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop an Erosion and Sediment Control Plan during detail design and will include site-specific plans for all watercourse crossings to address setback distances, ice-damming and erosion.
1107	• Draft EA/IS Section • Fish and Fish Habitat • Future Indigenous Involvement	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will develop and implement protocols within the Project-specific Environmental Protection Plan to prevent the introduction and spread of aquatic invasive species during construction, including adherence to applicable best management practices and regulatory requirements. The proponent will share the Environmental Protection Plan with Ginoogaming First Nation.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1111	- Provincial Process - Surface Water	Detail Design / Pre-Construction	Indigenous Community	- The proponent will design and construct watercourse crossing structures affected by the Community Access Road to accommodate seasonal flow variability and potential flow diversions associated with the Waboose Control Dam. - The owner / operator of the Community Access Road will coordinate with Ontario Power Generation and applicable regulators regarding the Nipigon River System Water Management Plan.
1112	Surface Water	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will consider seasonal flow variability and potential flow diversions associated with Cedar Channels Control Dam and the Albany River during detail design and will incorporate these considerations into the design and construction of affected watercourse crossing structures.
1113	- Draft EA/IS Section - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will develop a Geochemical Verification Plan during the detail design phase and provide to Constance Lake First Nation.
1114	- Draft EA/IS Section - Physiography, Terrain, and Soils - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will prepare a comprehensive inventory of proposed borrow/aggregate sources during the detail design phase. Geotechnical investigation results will be used during detail design to assess the suitability and sufficiency of aggregate materials and determine whether additional sources are required.
1117	Surface Water	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent of the Community Access Road will develop a Spill Prevention and Emergency Response Plan that incorporates Best Management Practices and regulatory permit requirements. - The owner / operator of the Community Access Road will conduct turbidity monitoring in accordance with applicable DFO/MNR permit requirements and CCME guidelines to verify sediment and erosion control effectiveness.
1119	- Engineering and Design (incl. Bridges and Culverts) - Operations and Maintenance (incl. post-construction monitoring) - Draft EA/IS Section	Detail Design / Pre-Construction	Indigenous Community	- The proponent of the Community Access Road will work with the Ministry of Transportation, the Northern Road Link, and Webequie Supply Road Project Team to develop a coordinated approach to permafrost assessment. - The proponent of the Community Access Road will develop a Permafrost Management Plan during the detail design phase. - Results from additional permafrost investigations will be used to inform detail design and any required design modifications.
1120	Physiography, Terrain, and Soils	Construction	Indigenous Community	The owner / operator of the Community Access Road will adhere to applicable guidelines governing setback distances from waterbodies during construction activities. A minimum 30-metre setback from the high-water mark of lakes, rivers, and streams will be maintained where feasible.
1125	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Future Indigenous Involvement - Atmospheric Environment	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	The proponent will prepare air emissions mitigation and monitoring plan for the owner / operator to implement throughout the projects life cycle in response to predicted exceedances.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1128	• Draft EA/IS Section • Physiography, Terrain, and Soils • Construction (Camps, Aggregate, Waste Management, Decommissioning, Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will consider increasing the riparian buffer around certain waterbodies with a high slope if it is determined to be suitable or necessary to protect the waterbody from sediment mobilization, during detail design.
1130	• Draft EA/IS Section • Future Indigenous Involvement • Wildlife	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will finalize the Preliminary Biodiversity Offset Plan during detail design. The plan will offset the loss of wolverine habitat and indirect alteration of additional habitat through habitat fragmentation, sensory disturbance, and edge effects. A long-term monitoring plan will also be included to validate success of the offsetting measures. • The proponent will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate to Marten Falls First Nation, a Terms of Reference between relevant agencies and Ginoogaming First Nation will be established.
1131	• Wildlife • Draft EA/IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will continue discussions regarding potential modifications to the preliminary engineering design to facilitate safe wildlife crossing, final decisions will be made during detail design. • The proponent will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate to Marten Falls First Nation, a Terms of Reference between relevant agencies and Ginoogaming First Nation will be established.
1136	• Ungulates • Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• A comprehensive Moose Access and Monitoring Plan will be developed by the proponent of the Community Access Road. The Moose Access and Monitoring Plan will be shared with Ginoogaming First Nation. The plan will include long-term monitoring of moose presence, hunting pressure, identification of high-risk moose collision zones, and moose-vehicle collisions. The plan will be developed to protect the safety of people and moose.
1137	• Draft EA/IS Section • Ungulates • Cumulative Effects • Engineering and Design (incl. Bridges and Culverts)	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent and / or owner / operator of the Community Access Road will develop and implement environmental monitoring programs, including a Moose Access and Monitoring Plan, in collaboration with an environmental advisory committee to incorporate Indigenous interests and perspectives. A Terms of Reference between relevant agencies and Ginoogaming First Nation will be established where no suitable committee exists. • The proponent will develop a Moose Access and Monitoring Plan which will include long-term monitoring of moose presence, identification of high-risk moose collision zones, and moose-vehicle collisions. The plan will be developed to protect the safety of people and moose.
1139	• Draft EA/IS Section • Vegetation • Wildlife • Future Indigenous Involvement • Operations and Maintenance (incl. post-construction monitoring)	• Detail Design / Pre-Construction	• Indigenous Community	• The owner / operator of the Community Access Road will share the Environmental Protection Plan with Ginoogaming First Nation and will be responsible for the development and implementation of the Environmental Protection Plan.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1140	• Draft EA/IS Section • Operations and Maintenance (incl. post-construction monitoring) • Wildlife • Vegetation • Ungulates • Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• The owner / operator of the Community Access Road will provide monitoring results to the Ministry of the Environment, Conservation and Parks (MECP) and the environmental advisory committees can request the results from MECP.
1143	• Surface Water	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will consider seasonal hydrologic variability and potential flow diversions from the Waboose Control Dam during detail design of downstream crossing structures. • The proponent of the Community Access Road will coordinate with Ontario Power Generation and applicable regulators regarding the Nipigon River System Water Management Plan.
1147	• Draft EA/IS Section • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will develop a geochemical verification plan during detail design phase and will share the plan with Ginoogaming First Nation.
1148	• Draft EA/IS Section • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will use geotechnical information collected from aggregate sites during the detail design phase to better understand the volume and quality of materials present. The findings will be used to assess if the materials are sufficient and of adequate quality or if other sources would be required.
1149	• Draft EA/IS Section • Future Indigenous Involvement • Physiography, Terrain, and Soils	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will develop a geochemical verification plan during detail design phase and will share the plan with AZA.
1151	• Surface Water	• Construction	• Indigenous Community	• The owner / operator of the Community Access Road will conduct surface water quality monitoring in accordance with applicable DFO and MNR permit requirements and CCME Canadian Water Quality Guidelines for the Protection of Aquatic Life to evaluate the effectiveness of mitigation measures.
1152	• Draft EA/IS Section • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring) • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will use geotechnical information collected from aggregate sites during the detail design phase to better understand the volume and quality of materials present. The findings will be used to assess if the materials are sufficient and of adequate quality or if other sources would be required.
1154	• Atmospheric Environment • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will prepare an emissions management plan during detail design phases for both construction and operation phases and will include vehicle emissions and considerations for the use of non-diesel vehicles.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1155	- Operations and Maintenance (incl. post-construction monitoring) - Future Indigenous Involvement - Atmospheric Environment	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	- The proponent will prepare an emissions management plan during detail design phase for both construction and operations phases. Mitigation measures will be considered for all activities. After reviewing the impacts of mitigation options on air quality, monitoring will be considered in each phase and appropriate levels of monitoring will be conducted based on the results of the assessment. - The proponent and / or owner / operator of the Community Access Road will develop and implement environmental monitoring programs in collaboration with an environmental advisory committee to incorporate Indigenous interests and perspectives, with a Terms of Reference between relevant agencies and Constance Lake First Nation will be established.
1157	- Climate Change - Draft EA/IS Section - Wildlife	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	The proponent and / or owner / operator will consider, during project mitigation, monitoring, and adaptive manage planning, the effects of climate change in determining the appropriate timing of sensitive periods for wildlife (e.g., breeding, migration, denning).
1158	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Indigenous Community	- The proponent will work with the Ministry of Transportation, the Northern Road Link, and Webequie Supply Road Project Team to develop a coordinated approach to permafrost assessment. - The proponent will use information collected during additional permafrost studies to inform potential changes during detail design.
1159	- Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring) - Physiography, Terrain, and Soils	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent will develop detail design drawings which include setbacks from waterbodies and other sensitive features as applicable. - The owner / operator will adhere to applicable guidelines during construction governing setback distances from waterbodies. In accordance with standard planning and environmental protection practices in Ontario, a minimum 30-metre setback from the high-water mark of lakes, rivers, and streams will be maintained wherever feasible.
1164	Peatlands	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will offset the loss of peatlands (where feasible) through the Preliminary Biodiversity Offset Plan along with a long-term monitoring plan to validate success of the offsetting measures. The Preliminary Biodiversity Offset Plan will be finalized during detail design phase and the specific approach will be determined through consultation with Indigenous communities.
1168	Atmospheric Environment	Detail Design / Pre-Construction	Indigenous Community	The proponent will develop an air quality emissions mitigation and monitoring plan for the operations phase that considers representative locations for air quality monitoring.
1169	- Draft EA/IS Section - Future Indigenous Involvement - Operations and Maintenance (incl. post-construction monitoring) - Atmospheric Environment	Detail Design / Pre-Construction	Indigenous Community	- The proponent will prepare air quality mitigation and monitoring plans for both construction and operations in response to predicted exceedances, mostly of particulate concentrations. - The proponent will consider, for the operations phase, the use of environmentally friendly dust suppression methods approved by the Ontario ministry of Transport and the use of roadside vegetation and natural windbreaks. - A consultation and engagement program will be established by the proponent of the Community Access Road to guide discussions through detail design.
1170	- Atmospheric Environment - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Indigenous Community	The proponent will prepare an air quality mitigation and monitoring plan during detail design phase for both construction and operation phases and will include vehicle emissions and considerations for the use of non-diesel vehicles.

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1171	- Operations and Maintenance (incl. post-construction monitoring) - Atmospheric Environment	Detail Design / Pre-Construction	Indigenous Community	- The proponent will prepare an air quality mitigation and monitoring plan during detail design phase. - The proponent will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate to Marten Falls First Nation, a Terms of Reference between relevant agencies and Ginoogaming First Nation will be established.
1174	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Indigenous Community	The proponent will use the information collected during additional permafrost studies to inform potential changes during detail design phase.
1178	- Indigenous Knowledge and Land Use - Future Indigenous Involvement - Operations and Maintenance (incl. post-construction monitoring)	Detail Design / Pre-Construction	Indigenous Community	Any additional Indigenous Knowledge that becomes available will be considered by the proponent during the detail design phase of the Community Access Road.
1179	Surface Water	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will undertake a Quantitative Water Quality Assessment during the next phase of the Community Access Road, prior to construction.
1180	- Draft EA/IS Section - Surface Water	Detail Design / Pre-Construction	Indigenous Community	The proponent to design wash systems for concrete washout water at the detail design stage in compliance with applicable regulations.
1182	- Indigenous Knowledge and Land Use - Draft EA/IS Section	Detail Design / Pre-Construction	Indigenous Community	The proponent will collaborate with local existing environmental advisory committees to include Indigenous Knowledge, interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate a Terms of Reference between relevant agencies and Indigenous Peoples will be established.
1183	- Draft EA/IS Section - Future Indigenous Involvement - Consultation	Detail Design / Pre-Construction	Indigenous Community	The proponent will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate, a Terms of Reference between relevant agencies and Animbiigoo-Zaagi'igan Anishinaabek will be established.
1184	- Draft EA/IS Section - Surface Water	Detail Design / Pre-Construction	Indigenous Community	The owner / operator of the Community Access Road will work with local communities to develop and implement a discharge plan to avoid discharge into sensitive areas and will account for ecologically and socially sensitive waterbodies, during detail design.
1186	- Draft EA/IS Section - Surface Water	Construction	Indigenous Community	The owner / operator of the Community Access Road will follow the DFO interim code of practice for temporary bridges and for removing beaver dams, where applicable.
1188	Atmospheric Environment	Detail Design / Pre-Construction	Indigenous Community	The proponent will prepare an air emissions management plan during detail design phase for both construction and operations phases. Mitigation measures will be considered for all activities. After reviewing the impacts of mitigation options on air quality, monitoring will be considered in each phase and appropriate levels of monitoring will be conducted based on the results of the assessment.
1190	- Draft EA/IS Section - Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Indigenous Community	The owner / operator will develop and implement the Reclamation Plan for the Community Access Road.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1192	• Draft EA/IS Section • Surface Water	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent of the Community Access Road will develop discharge plans at the detail design stage and will submit to regulating authorities for permitting / approval prior to construction. Construction discharge / dewatering to land surface will require a minimum of 30 m setback from the waterbody. These plans will be shared with local Indigenous groups / communities. • The owner / operator of the Community Access Road will be responsible for the implementation of the discharge plan.
1196	• Draft EA/IS Section • Operations and Maintenance (incl. post-construction monitoring) • Future Indigenous Involvement • Atmospheric Environment • Community Well-Being	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will prepare an air quality mitigation and monitoring plan during detail design phase in response to predicted exceedances, mostly of particulate concentrations. • The proponent, for use during the operations phase, will consider environmentally friendly dust suppression methods that are approved by the Ontario ministry of Transport, as would the use of roadside vegetation and natural windbreaks. • Should the Community Access Road EA / IS be approved to proceed, the proponent will establish a consultation and engagement program to guide discussions through detail design.
1198	• Draft EA/IS Section • Operations and Maintenance (incl. post-construction monitoring) • Future Indigenous Involvement • Surface Water	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will conduct a Quantitative Water Quality Assessment to evaluate runoff quality and confirm appropriate treatment measures once design details are available.
1201	• Draft EA/IS Section • Cumulative Effects	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent has undertaken cumulative effects assessment for surface water quantity which provide project and physical activity inclusion lists within the aquatics effects assessment regional study area. The proponent will prepare a water taking and discharge plan(s) during the detail design stage which will utilize information from the cumulative effects assessment, which will be provided in permitting applications as required.
1205	• Indigenous Knowledge and Land Use • Draft EA/IS Section • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• If seep / springs are identified within the groundwater effects assessment study areas during the detail design phase of the Community Access Road, they will be considered by the proponent in the pre-construction monitoring programs, as applicable.
1206	• Draft EA/IS Section • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will prepare a Groundwater Use / Taking Management Plan that will outline the considerations and expectations for Project groundwater use, including what supporting investigations and studies are required to assess water taking impacts, what thresholds of groundwater taking will trigger the investigations, and how the groundwater taken should be managed and returned to the environment.
1207	• Draft EA/IS Section • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate to Marten Falls First Nation, a Terms of Reference between relevant agencies and Nibinamik First Nation will be established.
1208	• Draft EA/IS Section • Groundwater	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• As a component of detail design, the proponent will complete refined ground water and surface water drainage management investigations and mitigations where necessary to maintain existing drainage patterns and prevent flooding or erosion as applicable.
1209	• Draft EA/IS Section • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• During detail design, the proponent in consultation with applicable environmental committees and Indigenous communities, will develop a Spill Prevention and Emergency Response Plan for the Community Access Road. During construction, operation, and maintenance, the owner / operator of the Community Access Road will be responsible for implementing and maintaining the Plan and will employ adaptive management, as appropriate, through the established environmental committees.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1210	• Draft EA/IS Section • Groundwater	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop and implement environmental monitoring programs in collaboration with an environmental advisory committee to incorporate Indigenous interests and perspectives. In the absence of an existing advisory committee with an aligned mandate to Marten Falls First Nation, a Terms of Reference between relevant agencies and Nibinamik First Nation will be established.
1211	• Draft EA/IS Section • Atmospheric Environment • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring) • Community Well-Being	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• During detail design, the proponent of the Community Access Road will evaluate potential worker health and safety risks, including exposure to contaminants, and develop appropriate construction planning, scheduling, and work camp logistics measures to manage those risks. During construction and operation, the owner / operator will be responsible for implementing such measures and maintaining the health and safety of workers employed on the Community Access Road.
1212	• Atmospheric Environment	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will prepare an air quality mitigation and monitoring plan during detail design phase and will include vehicle emissions and considerations for the use of non-diesel vehicles.
1213	• Draft EA/IS Section • Operations and Maintenance (incl. post-construction monitoring) • Atmospheric Environment	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will prepare an air quality mitigation and monitoring plan during detail design phase. • The proponent of the Community Access Road will develop and implement environmental monitoring programs in collaboration with an environmental advisory committee to incorporate Indigenous interests and perspectives. In the absence of an existing advisory committee with an aligned mandate to Marten Falls First Nation, a Terms of Reference between relevant agencies and Animbiigoo-Zaagi'igan Anishinaabek will be established.
1215	• Engineering and Design (incl. Bridges and Culverts) • Draft EA/IS Section	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will determine the type of water crossing to be constructed at each creek and river and will consider the Ministry of Transportation Highway Drainage Standards, January 2008.
1216	• Draft EA/IS Section • Engineering and Design (incl. Bridges and Culverts)	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will determine additional information regarding approvals for each water crossing type and how structures will be properly sized during the permitting stage.
1217	• Draft EA/IS Section • Provincial Process • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will register relevant water takings activities on the Environmental Activity and Sector Registry (EASR). Where the activity does not meet the criteria for an EASR, a Permit to Take Water (PTTW) may be required.
1222	• Draft EA/IS Section • Surface Water	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent of the Community Access Road will analyze rainfall data during detail design to establish representative rainfall (storm) event(s) for the design of project facilities / components and will include the review of available IDF-curves such as Ministry of Transportation Intensity-Density-Frequency (IDF) curve tool.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1225	- Draft EA/IS Section - Groundwater	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent will establish the site specific groundwater taking needs, impacts, mitigations, and monitoring during the detail design phase. - The established Permit to Take Water (PTTW) and Environmental Activity and Sector Registry (EASR) programs to assess and mitigate the risks of water takings. - The owner / operator will adhere to the Permit to Take Water system, where new water takings require the submission of either a Category 2 or 3 application which includes a scientific evaluation and a technical study to be completed to support the water taking permit.
1227	- Draft EA/IS Section - Provincial Process - Groundwater	Detail Design / Pre-Construction	Indigenous Community	The proponent will complete the permitting for aggregate pits and quarries in the pre-construction period. During the detail design phase, a consultation and engagement program will be established by the proponent which will include Nibinamik First Nation in discussions including regarding aggregate permitting.
1228	Surface Water	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will apply the Ministry's hierarchy of water quality guidelines when assessing future surface water quality monitoring data and related comparisons.
1229	- Draft EA/IS Section - Groundwater	Detail Design / Pre-Construction	Indigenous Community	Where required, the proponent will permit all aggregate pits and quarries used for the Community Access Road under the Aggregate Resources Act and will be subject to the standards of the Act which include the filing of rehabilitations plans, payment of rehabilitation security fees, and ongoing and final rehabilitation of the pit or quarry.
1231	- Cumulative Effects - Draft EA/IS Section - Groundwater	Detail Design / Pre-Construction	Indigenous Community	The proponent will undertake additional groundwater monitoring and water budget study during detail design. These may result in the recommendation of additional mitigation measures and / or adaptive management measures.
1238	- Physiography, Terrain, and Soils - Surface Water	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will prepare an Erosion and Sediment Control Plan as a component of detail design. The Plan will be provided to the relevant agencies for review and comment.
1239	- Accidents and Malfunctions - Request for Regulators - Surface Water	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will provide the Spill Prevention and Emergency Response Plan to regulatory agencies for review, ahead of construction activities, as applicable.
1242	Groundwater	Detail Design / Pre-Construction	Indigenous Community	The proponent will conduct additional geochemical sampling in detail design to assess potential for acid rock generation or metal leaching. Areas identified with potential will be avoided where possible. If excavation in such areas cannot be avoided, a management plan will be drafted which will focus on limiting oxygen and water exposure, recognizing the remote project location.
1246	Groundwater	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will evaluate dredging as an alternative to aggregate pit dewatering during detail design and will implement measures, where feasible, to minimize water takings and associated wastewater discharge.
1247	Groundwater	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	The proponent will develop a groundwater and geochemistry monitoring plan which includes the two quaternary watersheds (i.e., Gittins Lake, Robins Island-Albany River). The owner / operator will execute the monitoring program as a component of construction and operations.
1249	- Draft EA/IS Section - Fish and Fish Habitat	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent develop the erosion and sediment control plans which the owner / operator will implement for the Community Access Road. - The owner / operator will only use erosion-resistant fill material below the high-water level within the floodplain of a waterbody. Erosion resistant fill material will generally include riprap (gravel) and will be sourced from local pits and quarries. - The owner / operator will only use materials cleared for acid rock drainage (i.e., non-potentially acid generating rock) by a geochemical verification process for the road surface to avoid acid rock drainage or metal leaching.
1251	Groundwater	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	The proponent will develop a groundwater and geochemistry monitoring plan which includes the two quaternary watersheds (i.e., Gittins Lake, Robins Island-Albany River). The owner / operator will execute the monitoring program as a component of construction and operations.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1252	- Draft EA/IS Section - Provincial Process - Request for Regulators - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will evaluate domestic sewage systems during detail design. Management of domestic sewage will be governed by established Provincial legislation, Best Practices and Guidelines and will be subject to applicable regulatory applications and permits.
1253	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	- The proponent will follow established Provincial legislation, Best Practices and Guidelines for general waste management, and will be subject to applicable regulatory applications and permits. - The proponent will consider potential beneficial uses for incinerator ash during detail design.
1254	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will evaluate setbacks from temporary construction camps facilities during detail design, this will also include identification of additional permitting and application requirements.
1255	- Draft EA/IS Section - Provincial Process - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will follow the Permit to Take Water (PTTW) and Environmental Activity and Sector Registry (EASR) requirements.
1256	- Draft EA/IS Section - Fish and Fish Habitat	- Detail Design / Pre-Construction - Construction	Indigenous Community	- During detail design, the proponent will avoid sensitive features through the road alignment wherever possible. Where they cannot be avoided due to technical constraints, the proponent will include affected features in the permit applications to the Ministry of Natural Resources and Fisheries and Oceans Canada. - During construction the owner / operator will comply with permit conditions, including the site-specific restricted activity timing window set by Ministry of Natural Resources. - The proponent will develop mitigation measures related to the removal of temporary crossing materials during detail design. Including requirements for sediment and erosion control and reprofiling where applicable.
1258	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop the waste management plan during detail design. It will include how construction and domestic waste will be handled, waste generated, timing of removal, and destination of final waste. It will also include information on servicing options for waste disposal. The Plan will be submitted to the District for review.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1261	- Draft EA/IS Section - Fish and Fish Habitat	Detail Design / Pre-Construction	Indigenous Community	During detail design, the proponent will avoid sensitive features through the road alignment wherever possible. Where they cannot be avoided due to technical constraints, the proponent will include affected features in permit applications to the Ministry of Natural Resources and Fisheries and Oceans Canada.
1262	- Draft EA/IS Section - Fish and Fish Habitat - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	- The proponent will obtain all required permits and authorizations related to holding tank systems for off-site disposal, or on-site leaching beds as determined in the detail design process. - The owner / operator will dispose of domestic sewage from temporary construction camps with off-site disposal or on-site leaching beds designed in accordance with applicable codes and approvals. If required and when feasible, domestic wastewater will be removed by approved disposal trucks and disposed of at wastewater treatment plants with the authorization and capacity to accept this wastewater.
1263	Draft EA/IS Section	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The owner / operator will develop and implement an Erosion and Sediment Control Plan in accordance with the Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV 804, OPSS.MUNI 182 and OPSS.MUNI 805). This includes provision of multistage drainage and sediment controls to collect and treat stormwater runoff from Project components, as appropriate. These controls may include diversion swales / dykes, collection ditches, silt fences, rock check dams, sediment traps / basins, level spreaders and riparian buffer strips. - The owner / operator will use erosion resistant fill material which includes riprap (gravel) and will be sourced from local pits and quarries.
1264	- Draft EA/IS Section - Fish and Fish Habitat	Construction	Indigenous Community	The proponent will develop and implement the Erosion and Sediment Control Plans for the Community Access Road.
1266	- Draft EA/IS Section - Provincial Process - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop a blasting and communication management plan during the detail design phase. The following publications will be reviewed as part of the plan development: MECP Publications NPC-115 and NPC-118 for source-based noise limits, NPC-119 and NPC-207 for receptor-based limits due to impulsive vibration from construction activities such as blasting and pile driving, and MECP Publications NPC-300 for stationary and transportation sources.
1267	- Draft EA/IS Section - Engineering and Design (incl. Bridges and Culverts)	Construction	Government / Agency – Provincial	The owner / operator will contact the Ministry of Natural Resources to determine permitting requirements prior to burning slash piles for the Community Access Road.
1270	- Draft EA/IS Section - Provincial Process - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop a Soil Management Plan during the detail design phase. Considerations for the Excess Soil Regulation (Ontario Regulation 406/19) will occur during detail design.
1271	- Draft EA/IS Section - Fish and Fish Habitat	Detail Design / Pre-Construction	Indigenous Community	The proponent will define detailed soil management and handling procedures (including erosion and sediment control). During the detail design phase, additional Plans will be developed that include project specific soil management and handling procedures such as erosion control procedures required regardless of season.
1272	- Draft EA/IS Section - Fish and Fish Habitat - Cumulative Effects	Detail Design / Pre-Construction	Indigenous Community	The proponent will develop an Erosion and Sediment Control Plans for the Community Access Road.

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1277	- Draft EA/IS Section - Fish and Fish Habitat	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	- The owner / operator will follow overpressure and vibration guidelines for blasting activities as outlined in the Ontario Provincial Standard Specification General Specifications for the Use of Explosives (OPSS, 2014) and the Fisheries and Oceans Canada Guidelines for the Use of Explosives in or Near Canadian Fisheries Waters (Wright and Hopky, 1998). Explosives will only be used if alternate methods of excavation to remove materials for foundation systems and roads are not feasible. - The proponent will use calculations based on charge weights and substrates (as outlined in Wright and Hopky, 1998) to determine the setback distance for blasting from fish habitat to meet the overpressure and vibration guidelines. - The owner / operator will not detonate explosives in or near fish habitat that produces, or is likely to produce, an instantaneous water pressure change (i.e., overpressure) greater than 100 kilopascals (kPa) where fish are present. - The owner / operator will not detonate explosives that produce / are likely to produce, a peak particle velocity greater than 13 millimetres per second (mm/s) during the restricted activity timing window in the waterbody to protect spawning beds during the period of egg incubation, even when fish are not present. - The owner / operator will conduct blasting activities outside of the setbacks required to meet the Fisheries and Oceans Canada overpressure and vibrations guidelines such that additional mitigations such as exclusions are not expected to be required. - The owner / operator will prepare a Blasting and Communication Management Plan in accordance with Ontario Provincial Standard Specification General Specifications for the Use of Explosives (OPSS, 2024) and will describe specific measures that will be implemented if blasting is required.
1278	- Draft EA/IS Section - Atmospheric Environment	Detail Design / Pre-Construction	Indigenous Community	The owner / operator will develop and implement the Fugitive Dust Management Plan for the Community Access Road.
1279	- Draft EA/IS Section - Fish and Fish Habitat	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The owner / operator will use best management practices and the regulations outlined by the Ministry of Natural Resources to reduce the spread of invasive species. The “Clean, Drain, Dry” method is part of the Boaters Action Plan (Ministry of Natural Resources 2022), implemented by the Ministry of Natural Resources. - The owner / operator will develop protocols for the prevention of aquatic invasive species during construction and will include them in the Project-specific Environmental Protection Plan. This will include the best management practices and regulations outlined by the Ministry of Natural Resources.
1285	- Cumulative Effects - Peatlands	Detail Design / Pre-Construction	Indigenous Community	The proponent of the Community Access Road will consider enhanced forest fire management measures during detail design.
1293	Provincial Process	Construction	Government / Agency – Provincial	The owner / operator will follow the Environmental Activity and Sector Registry (EASR) for non-hazardous waste and will follow the waste management system, Environmental Compliance Approval (ECA), for all other types of waste.
1296	- Draft EA/IS Section - Wildlife	Detail Design / Pre-Construction	Indigenous Community	The proponent will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate, a Terms of Reference will be established.
1297	- Draft EA/IS Section - Ungulates - Wildlife	Detail Design / Pre-Construction	Indigenous Community	The proponent will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate, a Terms of Reference will be established.
1300	- Draft EA/IS Section - Consultation	Detail Design / Pre-Construction	Government / Agency – Provincial	Should the Community Access Road EA / IS be approved to proceed, the proponent will establish a consultation and engagement program to guide discussions through detail design.
1301	- Engineering and Design (incl. Bridges and Culverts) - Draft EA/IS Section	Construction	Government / Agency – Provincial	The owner / operator will review law enforcement options for the Community Access Road.

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1302	- Draft EA/IS Section - Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will design roadway fore slopes in accordance with the Ministry of Transportation (MTO) Roadside Design Manual.
1306	- Fish and Fish Habitat - Provincial Process	Construction	Government / Agency – Provincial	The owner / operator will pursue additional permitting with respect to Fisheries and Oceans Canada (under the Species at Risk Act) and the Ministry of the Environment, Conservation and Parks (under the Endangered Species Act and / or the Species Conservation Act) if any Species at Risk (including Lake Sturgeon) is impacted or is found in the Project Study Area prior to the permitting phase. This includes potential Species at Risk uplisting or additional species in the Project Study Area.
1309	- Indigenous Knowledge and Land Use - Visual	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	- The proponent of the Community Access Road will develop an Adaptive Management Plan. - The owner / operator of the Community Access Road will implement the Adaptive Management Plan.
1312	Climate Change	- Detail Design / Pre-Construction - Construction	Indigenous Community	The proponent will appropriately size and position culverts to confirm flow across the Community Access Road will maintain hydrological connectivity.
1313	Climate Change	Detail Design / Pre-Construction	Indigenous Community	The proponent will design the roadway and bridges to comply with the Ministry of Transportation Design Standards addressing roadway profiles, roadside ditches and road surface cross slopes for the purposes of avoiding water ponding / ice buildup. Design parameters will also take into consideration snow plowing and maintenance requirements during the design of roadway shoulders and bridge widths along with appropriate signage.
1314	Indigenous Knowledge and Land Use	Detail Design / Pre-Construction	Indigenous Community	During detail design, the proponent will review and consider the Traditional Knowledge and Land Use study currently being undertaken by Nibinamik First Nation if the study becomes available.
1320	- Wildlife - Provincial Process	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop a wildlife reporting protocol and system in consultation with interested Indigenous communities and will include Traditional Knowledge regarding wildlife hotspots, if provided during consultation.
1324	Ungulates	- Detail Design / Pre-Construction - Operations and Maintenance	Government / Agency – Provincial	- The proponent to consider the practicality of maintenance of rest areas to prevent accumulation of waste during detail design. - The owner / operator will determine the frequency of maintenance for the rest areas, and during the operations phase, will maintain these areas so that they are kept clean for users and to deter wildlife.
1325	Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will review traffic count data available at locations closer to the study area during detail design.
1329	- Draft EA/IS Section - Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will determine the type of water crossing to be constructed at each creek and river during detail design and permitting stages, and will consider bridge structures that do not require the placement of in-water abutments. The proponent will hold discussions with Ontario Parks for water crossings within Albany River and Ogoki River Provincial Parks.
1335	- Draft EA/IS Section - Ungulates	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will prioritize safety in the implementation and design phases of the Community Access Road. The road leading to and from the bridges will be designed to be tangential for at least 150 metres in both directions to provide drivers with at least 300 metres of clear view ahead to see other vehicles or wildlife. In the event that standard sight distances cannot be achieved, roadway signage will be installed to warn the travelling public of advisory reductions in travelling speed.
1336	- Draft EA/IS Section - Provincial Process - Wildlife - Vegetation - Fish and Fish Habitat	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will integrate timing windows into detail design, and all permits and authorizations during design phases.
1341	Provincial Process	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	- The proponent will design the Community Access Road to meet the Ministry of Transportation guidelines and best management practices, and will follow all permit conditions from other ministries. - The owner / operator will construct the Community Access Road to meet the Ministry of Transportation guidelines and best management practices, and will follow all permit conditions from other ministries.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1348	- Draft EA/IS Section - Atmospheric Environment - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent, in the Emissions Management Plan, will consider formulations of the ammonium nitrate / fuel oil (ANFO) used in blasting to reduce nitrogen dioxide (NO2) and sulphur dioxide (SO2) emissions. The amount of ANFO used in each blast may need to be scaled back to reduce the number of exceedances and the distance to exceedances.
1356	- Provincial Process - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring) - Groundwater	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will design groundwater monitoring programs to support the aggregate permit application and the programs will be implemented in accordance with the Aggregate Resources of Ontario: Technical Reports and Information (2023) Standards.
1358	- Land and Resource Use - Draft EA/IS Section - Provincial Process - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The owner / operator will require the contractor responsible for detail design and permitting to consider consulting with the applicable claim and / or lease holder(s) prior to submitting the quarry permit application.
1363	- Draft EA/IS Section - Land and Resource Use	Detail Design / Pre-Construction	Government / Agency – Provincial	Merchantable timber removed from the Ogoki Forest for the purposes of the Project will receive "applicable compensation" which will be determined by the proponent during the detail design phase.
1365	Land and Resource Use	Detail Design / Pre-Construction	Government / Agency – Provincial	The owner / operator will provide site specific details for the harvesting of merchantable trees to the Ministry of Natural Resources during the permitting stage.
1366	- Draft EA/IS Section - General	Detail Design / Pre-Construction	Government / Agency – Provincial	Should the Community Access Road be approved to proceed, the proponent will address the development of environmental plans during detail design stage.
1370	- Engineering and Design (incl. Bridges and Culverts) - Draft EA/IS Section - Fish and Fish Habitat - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	- A description of where culverts and / or bridges may be required and what criteria will be used to determine to snow fill crossing use will be developed by the proponent during detail design. - Site specific water crossing information will be provided by the proponent during the permitting stage.
1373	- Draft EA/IS Section - Provincial Process - Physiography, Terrain, and Soils - Atmospheric Environment	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop a sediment and erosion control plan and a dust / air quality management plan before construction of the Community Access Road.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1375	- Accidents and Malfunctions - Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	- The proponent and / or owner / operator will prepare a Spill Prevention and Emergency Response Plan and will include commitments to report releases to the Ministry of Environment, Conservation and Parks (MECP) Spills Action Centre at 1-800-268-6060, and implement corrective action and mitigation measures following release(s). - The proponent and / or owner / operator to include specific details regarding fuel and material storage mitigation measures in the Spill Prevention and Emergency Response Plan. - The proponent and / or owner / operator will include mitigations measures in the Spill Prevention and Emergency Response Plan including Project-specific training / information sessions regarding best management practices to avoid negatively affecting fish and fish habitat.
1376	- Draft EA/IS Section - Fish and Fish Habitat	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	The proponent and / or owner / operator of the Community Access Road will work with local Indigenous communities and regulators to consider other mitigation related to increased fishing pressures as appropriate (e.g., signs, access restrictions).
1378	Surface Water	Detail Design / Pre-Construction	Government / Agency – Provincial	During detail design, the proponent of the Community Access Road will complete hydrological and hydraulic analyses for each waterbody crossing as part of bridge and culvert design. Hydrographs representing small, medium, and large drainage areas / watersheds will be developed and submitted as part of applicable permitting applications.
1379	Surface Water	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will complete an analysis on the waterbody crossing specific flood frequency during detail design.
1380	- Draft EA/IS Section - Cumulative Effects - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	Water taking and discharge plans will be prepared at the detail design stage by the proponent of the Community Access Road and will be provided in permitting applications.
1388	- Engineering and Design (incl. Bridges and Culverts) - Draft EA/IS Section	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop a permafrost management plan during the detail design stage.
1390	- Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring) - Visual	Operations and Maintenance	Government / Agency – Provincial	The owner / operator will provide the decommissioning plan for temporary infrastructure and roads to the Ministry of Natural Resources after construction.
1391	- Draft EA/IS Section - Land and Resource Use	- Construction - Operations and Maintenance	Government / Agency – Provincial	- The owner / operator will monitoring road restrictions. - The owner / operator will restrict access to pits / quarries as per the Aggregate Resources Regulation 244/97.
1392	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction - Operations and Maintenance	Indigenous Community	- The proponent and / or owner / operator of the Community Access Road will collaborate with local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. The objective is to include Indigenous interests and perspectives, particularly concerning resources utilized for rights-based purposes. In the absence of an existing advisory committee with an aligned mandate to Marten Falls First Nation, a Terms of Reference between relevant agencies and Nibinamik First Nation will be established. - Capacity and funding requirements to support involvement of Environmental Monitors and Indigenous Environmental Monitors during environmental monitoring programs will be determined by the proponent and / or owner / operator of the Community Access Road.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1394	- Draft EA/IS Section - Vegetation - Request for Regulators - Wildlife	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will engage the Ministry of the Environment, Conservation and Parks on plans related to Species at Risk.
1395	- Wildlife - Request for Regulators	Detail Design / Pre-Construction	Government / Agency – Provincial	The owner / operator of the Community Access Road will engage with the Ministry of Environment, Conservation and Parks (MECP) to determine appropriate permitting requirements for the newly listed bat species (i.e., Hoary Bat, Silver-haired Bat, Eastern Red Bat).
1397	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will follow potential authorizations under the Endangered Species Act or the Species Conservation Act during the permitting phase.
1398	- Draft EA/IS Section - Wildlife	Detail Design / Pre-Construction	Government / Agency – Provincial	The owner / operator will engage with the Ministry of Environment, Conservation and Parks (MECP) to determine appropriate permitting requirements for impacts to roosting habitat of the Species at Risk bats.
1399	- Draft EA/IS Section - Wildlife	Construction	Government / Agency – Provincial	The owner / operator will continue to consider the two suspected wolverine denning areas that were identified south of Ogoki River and Plots 7 and 26 as active unless additional surveys are conducted to determine the areas are not being used by wolverines. A 4 km buffer will be applied in which no construction activities will be conducted during the wolverine denning period of February 1 to May 1.
1400	- Draft EA/IS Section - Wildlife	Detail Design / Pre-Construction	Government / Agency – Provincial	The owner / operator will engage with the Ministry of Environment, Conservation and Parks (MECP) to determine the appropriate assumptions that will be required for the permitting or authorization requirements for impacts of the Community Access Road on wolverine.
1401	- Provincial Process - Federal Process - Draft EA/IS Section	Detail Design / Pre-Construction	Government / Agency – Provincial	- The proponent will prepare spill contingency, waste management and emergency response plans during detail design. - The proponent will establish monitoring programs during the tender process, which will include collaboration with local existing environmental advisory committees. In the absence of an existing advisory committee with an aligned mandate, a Terms of Reference will be developed.
1402	- Draft EA/IS Section - Ungulates	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop monitoring programs for execution during pre-construction, construction and operation to fill any remaining information gaps. Monitoring programs will be determined during detail design in collaboration with local existing environmental advisory committees and regulators.
1403	- Engineering and Design (incl. Bridges and Culverts) - Operations and Maintenance (incl. post-construction monitoring) - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Operations and Maintenance	Government / Agency – Provincial	The owner / operator of the Community Access Road will monitor and address road settlement during the operations and maintenance phase of the Community Access Road.
1404	- Draft EA/IS Section - Vegetation	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will develop the Vegetation Restoration Plan through engagement and consultation with Indigenous communities and will integrate local Indigenous Knowledge and stewardship protocols where feasible.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1405	• Draft EA/IS Section • Wildlife • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will not cause loud noises including the use of heavy machinery within 50 m of candidate or confirmed maternity roosts from 30 minutes before sunset to 30 minutes after sunrise during the bat maternity roost season (May 1 to August 31).
1406	• Draft EA/IS Section • Wildlife • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will minimize the use of nighttime lighting to the extent possible in proximity to suitable bat maternity roost habitat during the maternity season (May 1 to August 21).
1407	• Wildlife • Draft EA/IS Section • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will implement wildlife awareness training and implement reduced speed limits during construction as a standard safety measure.
1409	• Draft EA/IS Section • Wildlife • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will develop and implement an environmental monitoring program during construction to include policies and actions for avoiding and minimizing impacts to wildlife from blasting and blasting materials. Best management practices for environmental monitoring programs will include recommendations for pre-blast surveys for migratory birds, bird nest sweeps, habitat assessment for migratory birds, and noise and vibration control.
1411	• Draft EA/IS Section • Ungulates • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will obtain authorizations under the Endangered Species Act or Species Conservation Act if activities result in sensory disturbance to caribou during sensitive time periods (May 1 to September 15 for nursery areas, December 1 to March 31 for winter use areas).

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1412	- Acoustic Environment (Acoustic and Vibration Environment and Acoustic and Vibration Environment) - Draft EA/IS Section - Ungulates - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring) - Acoustic and Vibration Environment - Acoustic and Vibration Environment	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community will determine the details of the monitoring programs required during construction and operation including pre-blasting surveys, in collaboration with local existing environmental advisory committees and regulators, during the detail design phase.
1413	- Draft EA/IS Section - Ungulates - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Construction	Government / Agency – Provincial	The owner / operator will avoid activities during the sensitive timing windows for caribou (May 1 to September 15 for nursery areas, December 1 to March 31 for winter use areas) within 10 km of known and potential new Category 1 areas, to the extent practical. When activity restrictions cannot be followed, the Ministry of Environment, Conservation and Parks will be engaged to determine alternative approaches.
1414	- Draft EA/IS Section - Ungulates - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will complete a comprehensive inventory of proposed borrow sources, including location maps, estimated volumes, material types and confirmation for suitability through preliminary geotechnical investigations for the purposes of aggregate licensing through Ministry of Natural Resources. An application for proposed pits will be submitted and will follow the Aggregate Resources of Ontario: Provincial Standards, Version 1.0, including notifications and consultation. Alternative aggregate sources from bedrock quarries or sand and gravel glacial fluvial deposits that are not esker landforms will be prioritized for use.
1415	- Draft EA/IS Section - Wildlife - Cumulative Effects - Climate Change - Provincial Process	Detail Design / Pre-Construction	Government / Agency – Provincial	The owner / operator will consider applicable legislation following completion of the EA/IS including the Ontario Endangered Species Act (ESA) and Species Conservation Act (SCA).
1416	- Draft EA/IS Section - Ungulates	Construction	Government / Agency – Provincial	- The owner / operator will establish an advisory committee to support the development and implementation of all environmental monitoring programs, including Caribou monitoring. - The owner / operator will invite Indigenous Environmental Monitors to be onsite during construction to confirm mitigations are being implemented properly.
1418	- Ungulates - Operations and Maintenance (incl. post-construction monitoring) - Draft EA/IS Section	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will complete additional baseline monitoring for ungulates if the initiation of construction has been delayed for an extended period of time (e.g., 5+ years) to update an assessment of adverse effects during the Endangered Species Act authorization process.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1422	- Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring) - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will locate borrow sites within the Project Study Area, only along the Preferred Route. The locations will be determined during detail design.
1423	Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will determine information on cross drainage planning and culver installations for each crossing during detail design.
1424	- Engineering and Design (incl. Bridges and Culverts) - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	The owner / operator will prepare construction contracts that require pre-washing of crushed rock when placed within specified radius of waterbodies. These contracts will also require the use and placement of mitigation measures such as silt curtains in direct response to the specific needs of specific waterbodies which will be identified during detail design.
1425	- Draft EA/IS Section - Vegetation - Birds	Construction	Government / Agency – Provincial	- The owner / operator will contract qualified staff to conduct non-intrusive nest surveys within seven days of any tree clearing occurring during the migratory bird season. If any active nests or areas where breeding behaviour is observed, it will be flagged and protected with appropriate buffers until nesting is complete. - The owner / operator will adhere to all environmental approval conditions, permits and authorizations during construction.
1428	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Wildlife	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will develop wolverine aerial survey methods for inclusion in the Environmental Protection Plan.
1429	- Draft EA/IS Section - Birds	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	The proponent will develop an Environmental Protection Plan to include mitigation measures for vegetation clearing. These mitigation measures will be re-evaluated during construction and Operation phases as necessary.
1430	- Draft EA/IS Section - Request for Regulators - Wildlife - Consultation	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will collaborate with regulators and local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs.
1431	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Ungulates	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will collaborate with regulators and local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs.
1432	- Draft EA/IS Section - Operations and Maintenance (incl. post-construction monitoring) - Ungulates	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent will prepare monitoring details for ungulates in the Environmental Protection Plan, and will obtain authorizations under the Endangered Species Act or the Species Conservation Act if works cannot be avoided during the caribou sensitive timing windows.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1433	• Draft EA/IS Section • Operations and Maintenance (incl. post-construction monitoring) • Ungulates • Provincial Process	• Construction	• Government / Agency – Provincial	• The owner / operator will preform ground-based or aerial pre-clearing surveys (“wildlife sweeps”) will be completed outside of the sensitive timing windows to detect and document presence of large mammals, migratory bird nests and raptor stick nests and Caribou ahead of clearing and blasting activities. Trained staff will survey the areas to be cleared or blasted, plus a biologically relevant distance, by foot or via aerial transect surveys, all-terrain vehicles, snow machine, or trucks. Wildlife observations and signs will be documented and reported to the contractor’s Environmental Manager. All species at risk observations will be reported to the Natural Heritage Information Centre (NHIC).
1434	• Draft EA/IS Section • Operations and Maintenance (incl. post-construction monitoring) • Ungulates	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will collaborate with regulators and local existing environmental advisory committees to support the development and implementation of all environmental monitoring programs. Details about the monitoring programs will be included in the Environmental Protection.
1435	• Draft EA/IS Section • Operations and Maintenance (incl. post-construction monitoring) • Wildlife	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will consult with the Indigenous communities and federal and provincial regulators to determine the final bat maternity acoustic monitoring requirements.
1438	• Wildlife • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction • Construction	• Government / Agency – Provincial	• During Detail Design the proponent will develop specifications including industry best practices for the owner / operator to employ for blasting activities, including scheduling when in the vicinity of sensitive wildlife habitat.
1439	• Wildlife	• Detail Design / Pre-Construction • Construction	• Government / Agency – Provincial	• The owner / operator will not undertake clearing in areas occupied with roosting habitat. If clearing is required during the roosting period (May 1 to September 30), the MECP will be engaged to determine if additional exit surveys are appropriate to confirm if potential roost trees are occupied. • The proponent will obtain authorization under the Endangered Species Act or the Species Conservation Act if clearing of confirmed or potential bat maternity roost habitat is required during the active period. Conditions and site-specific mitigation measures would be developed in consultation with the MECP.
1442	• Wildlife • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will complete progressive revegetation / restoration during construction
1444	• Operations and Maintenance (incl. post-construction monitoring) • Wildlife • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will implement pre-clearing wolverine surveys, including aerial survey methods where appropriate, prior to vegetation clearing during wolverine denning periods. Details of survey methods and mitigation measures will be included in the Environmental Protection Plan.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1445	Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will identify and map staging areas, vegetation clearing and grubbing requirements, peatland features, sensitive environmental features, and machinery travel routes during detail design.
1446	- Land and Resource Use - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	During detail design, the proponent of the Community Access Road will coordinate with MNR regarding the use, salvage, disposal, or management of merchantable and non-merchantable timber and will obtain any required burn permits prior to commencing burning activities.
1447	- Wildlife - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Construction	Government / Agency – Provincial	- If a wolverine den is identified during construction, the owner / operator of the Community Access Road will develop a Wolverine Den Management Plan, notify the local MECP Species at Risk Branch office, and notify appropriate Indigenous communities, where requested. - If project activities with the potential to adversely affect denning wolverines cannot be avoided, the owner / operator of the Community Access Road will obtain any required authorization under the Endangered Species Act or Species Conservation Act before undertaking those activities.
1451	- Operations and Maintenance (incl. post-construction monitoring) - Consultation - Ungulates	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will develop a Cleanup and Reclamation Plan during detail design that incorporates, where applicable, the Best Management Practices for Mineral Exploration and Development Activities and Woodland Caribou in Ontario. The proponent will engage with MECP during plan development to identify and confirm appropriate mitigation measures for species at risk.
1453	Wildlife	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will engage with the Ministry of the Environment, Conservation and Parks (MECP) to determine the appropriate assumptions that will be required for the permitting or authorization requirements for impacts of the Community Access Road on wolverine.
1458	- Draft EA/IS Section - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will determine the location and footprint of construction camps, laydown areas, and staging areas during detail design and will locate them within the Project Study Area.
1459	Provincial Process	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will prepare a Spill Contingency Plan which will incorporate best management practices and include mitigation measures, response timelines, spill response procedure information, equipment, safety, communications and training as part of the tender package.
1462	- Engineering and Design (incl. Bridges and Culverts) - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will determine the footprint and locations of turnaround and storage areas during detail design and will locate them within the Project Study Area.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1463	- Acoustic Environment (Acoustic and Vibration Environment and Acoustic and Vibration Environment) - Engineering and Design (incl. Bridges and Culverts) - Acoustic and Vibration Environment - Acoustic and Vibration Environment	Detail Design / Pre-Construction	Government / Agency – Provincial	- The proponent of the Community Access Road will include details of all required environmental monitoring programs in the Environmental Protection Plan (EPP). The EPP will be prepared and submitted prior to obtaining applicable provincial and federal authorizations. - The proponent of the Community Access Road will finalize the Terrestrial Biodiversity Offsetting Plan during detail design.
1464	- Wildlife - Engineering and Design (incl. Bridges and Culverts)	Operations and Maintenance	Government / Agency – Provincial	The owner / operator of the Community Access Road will develop and implement a traffic volume monitoring program for the Community Access Road during operations.
1465	- Wildlife - Provincial Process	Detail Design / Pre-Construction	Government / Agency – Provincial	If authorization is required under the Endangered Species Act or Species Conservation Act, the proponent of the Community Access Road will provide Lesser Yellowlegs observation locations to MECP as part of the authorization process.
1467	Wildlife	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	The owner / operator of the Community Access Road will conduct wildlife sweeps prior to clearing and grubbing activities. Details of the wildlife sweep methods and procedures will be included in the Environmental Protection Plan.
1469	- Wildlife - Ungulates	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	The proponent and owner / operator of the Community Access Road will develop and implement monitoring programs during construction and operations, including caribou monitoring as appropriate. Details of the monitoring programs will be described in the Environmental Protection Plan and finalized through engagement with Indigenous communities and regulators.
1470	Surface Water	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will field verify all water crossings to inform submissions during the permitting process. The proponent will determine crossing structures during detail design to avoid ephemeral streams, springs, seeps, and other areas of groundwater discharge.
1471	Engineering and Design (incl. Bridges and Culverts)	Detail Design / Pre-Construction	Government / Agency – Provincial	The proponent of the Community Access Road will complete preliminary investigative activities and geotechnical studies during detail design to confirm aggregate pit and quarry locations and associated access water crossings. The proponent will assess all associated water crossings and obtain any required approvals and permits prior to construction.
1473	Wildlife	- Construction - Operations and Maintenance	Government / Agency – Provincial	The owner / operator of the Community Access Road will develop and implement a reporting protocol for incidental wildlife observations and wildlife-vehicle collisions during construction and operations. Details of the protocol, including reporting procedures and follow-up actions, will be included in the Environmental Protection Plan.
1474	Wildlife	- Detail Design / Pre-Construction - Construction	Government / Agency – Provincial	- The owner / operator will develop an Environmental Protection Plan that will contain mitigation measures that include construction activity timing windows, buffers and disturbance zones, habitat retention and restoration, the implementation of wildlife awareness training and the implementation of best management practices. - The owner / operator will maintain a 30 m buffer zone around waterbodies to protect aquatic habitat and maintain wildlife habitat connectivity. The owner / operator will limit the clearing of riparian vegetation to the extent practicable and to the requirement of the access road and alignment clearing width only. - Following the completion of construction, the owner / operator will reclaim temporary disturbance areas, such as access roads, trails, construction camps, laydown areas, turnaround areas and temporary waterbody crossings. - The proponent will finalize the Terrestrial Biodiversity Offset Plan during detail design in consultation with Indigenous communities and regulators.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1475	• Physiography, Terrain, and Soils	• Construction	• Government / Agency – Provincial	• The proponent will incorporate industry-standard best practices for blasting during detail design including but not limited to controlling blast timing to reduce noise and vibration exposure, implementing setback distances from sensitive wildlife features, using appropriate charge sizes, and adhering to regulatory guidance intended to minimize sensory disturbance to wildlife. • The owner / operator will implement industry-standard best practices for blasting during construction. During sensitive periods, the Project will avoid blasting within 4 km of known or suspected wolverine denning areas between January 15 to May 31. Additional sensitive periods for other species are also considered through mitigation measures such as timing windows.
1476	• Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The proponent will develop a Permafrost Management Plan during detail design to prioritize the use of fill along the access road to minimize permafrost degradation. • The owner / operator will avoid excavation within identified permafrost areas, whenever possible. Should excavation within permafrost be unavoidable, excavation will follow the recommendations outlined in a Permafrost Management Plan.
1477	• Access and Security • Vegetation	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will develop an Environmental Protection Plan during detail design which will include mitigation measures for snow removal, and identify the seed mix to be used for revegetation.
1478	• Fish and Fish Habitat • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Construction	• Government / Agency – Provincial	• The owner / operator will contract Environmental Monitors to conduct environmental monitoring activities for the Project, and will confirm Environmental Monitors have appropriate experience and training for their role, preferably as an Environmental Professional. • The owner / operator will contract the Environmental Monitors to confirm the locations of waterbody crossings have been identified, and monitor that Fisheries and Oceans Canada (DFO) and Ministry of Natural Resources (MNR) approvals and permits are in place and being adhered to. • The owner / operator will contract Environmental Monitors to review the mitigation and enhancement measures outlined in the EA/IS and the Environmental Protection Plan are being implemented during construction.
1479	• Engineering and Design (incl. Bridges and Culverts) • Fish and Fish Habitat	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will determine the opportunities for placement of regularly spaced equalization culverts during detail design.
1480	• Acoustic Environment (Acoustic and Vibration Environment and Acoustic and Vibration Environment) • Acoustic and Vibration Environment • Acoustic and Vibration Environment	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• During detail design, the proponent of the Community Access Road will review the operational road traffic noise assessment based on the finalized gravel road specifications and surface treatments, determine whether a gravel-road noise adjustment factor is warranted, consult with MTO, and submit any proposed adjustment factors to MTO for approval where appropriate.
1481	• Atmospheric Environment	• Construction	• Government / Agency – Provincial	• The proponent will review the atmospheric environment results at specific receptor locations during detail design to understand if further modelling work is needed to implement an appropriate mitigation approach for those receptor locations.
1482	• Atmospheric Environment	• Construction	• Government / Agency – Provincial	• The owner / operator will be responsible for the development of management plans to reduce the potential impacts of products of combustion from blasting and wood burning.
1483	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Government / Agency – Provincial	• The proponent of the Community Access Road will consider further mitigation measures to reduce PM2.5, PW10, and TSP emissions as part of preliminary and detail design. • The owner / operator will implement a geochemical monitoring program during construction to confirm the potential for acid rock drainage and / or metal leaching, including contaminants of concern such as arsenic, cobalt and vanadium. Results of this monitoring program will be considered in the development of mitigation measures related to human health effects, as needed.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1484	• Access and Security	• Construction	• Government / Agency – Provincial	• The owner / operator will remove snow and ice and store it in piles and / or windows adjacent to construction work areas. Snow and ice piles and windows will be accounted for in the erosion and sediment control plan.
1485	• Engineering and Design (incl. Bridges and Culverts)	• Detail Design / Pre-Construction • Construction	• Government / Agency – Provincial	• The owner / operator will work with Ontario Parks to determine appropriate setbacks to Provincial Parks and Conservation Reserves Act (PPCRA) boundaries for aggregate extractions.
1487	• Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• The owner / operator will establish an environmental advisory committee to support the implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS. • At this time, there are no funding provisions associated with the environmental advisory committees of the Community Access Road. The owner / operator will address future funding requests and opportunities related to the environmental advisory committees.
1488	• Operations and Maintenance (incl. post-construction monitoring) • Future Indigenous Involvement	• Detail Design / Pre-Construction • Operations and Maintenance	• Indigenous Community	• The proponent will develop a road monitoring and dumping prevention plan for operations and maintenance activities if determined by the regulator to be a required approval condition.
1489	• Final EA / IS Section • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent may increase the 30 m riparian buffer around certain waterbodies with a high slope if it is determined to be suitable or necessary to protect the waterbody from sediment mobilization. • The proponent will develop an Environmental Protection Plan and an Erosion and Sediment Control Plan during detail design which will include the management of stockpiles and potential erosion and sedimentation from stockpiles.
1490	• Operations and Maintenance (incl. post-construction monitoring) • Vegetation • Final EA / IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will develop and refine the Final Biodiversity Offset Plan during detail design, following confirmation of the final Project footprint and construction methods, in consultation with Indigenous Communities (including Constance Lake First Nation), Environment and Climate Change Canada, and the Ministry of the Environment, Conservation and Parks Species at Risk Branch. Indigenous input and expertise will be incorporated throughout the development and refinement of the Plan, including through the Environmental Advisory Committee.
1491	• Wildlife • Final EA / IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will develop routine monitoring and maintenance protocol for water crossings during detail design.
1492	• Operations and Maintenance (incl. post-construction monitoring) • Wildlife • Final EA / IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• During detail design, the proponent will consider the recommendation for including Ptarmigan in the wildlife monitoring programs.
1494	• Consultation	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent and owner / operator are committed to ongoing engagement throughout the next stages of the Community Access Road, including the development of a new consultation and engagement program to guide discussions and define Indigenous engagement through detail design, permitting, construction and operation.
1495	• Atmospheric Environment • Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will consider completing a Best Available Technology Economically Achievable (BETEA) assessment, and / or implementing meaningful reductions in diesel reliance during detail design.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1496	- Final EA / IS Section - Atmospheric Environment - Construction (Camps, Aggregate, Waste Management, Decommissioning Abandonment, Construction Monitoring)	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent will develop an Environmental Protection Plan to include mitigations for burning to be completed in a controlled and with fire suppression equipment available. - The owner / operator is bound by the commitments within the Final EA / IS, the approval conditions provided by the regulators, and regulations such as the Ontario Regulation 207/96 as amended by Ontario Regulation 94/18 under the Forest Fires Prevention Act (Government of Ontario, 1990). - The owner / operator will determine the quantities of materials to be burn or chipped during construction with a commitment to reduce the quantity burned.
1497	- Climate Change - Operations and Maintenance (incl. post-construction monitoring) - Final EA / IS Section	Detail Design / Pre-Construction	Indigenous Community	The proponent will consider the development of a climate and sustainability monitoring program during detail design.
1498	- Fish and Fish Habitat - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Indigenous Community	The proponent will conduct additional pre-construction assessments including sediment quality data collection, for waterbody crossings not previously assessed and / or where monitoring during spring streamflow conditions were not feasible during previous Project stages.
1499	- Groundwater - Physiography, Terrain, and Soils	Detail Design / Pre-Construction	Indigenous Community	The proponent will complete further delineation and assessment to permit quarries and borrow areas in accordance with the Aggregate Resources Act. Borrow areas will not be developed directly adjacent to waterbodies, including the Albany River; sufficient buffer distances will be identified and applied. Site-specific mitigation measures will be included within the applicable management plans for the Community Access Road.
1500	- Fish and Fish Habitat - Operations and Maintenance (incl. post-construction monitoring) - Physiography, Terrain, and Soils	- Detail Design / Pre-Construction - Construction	Indigenous Community	- The proponent will develop the frequency of inspections of erosion and sediment control measures during detail design. - The owner / operator will apply erosion and sedimentation control measures and monitoring to temporary crossings, where necessary.
1502	Future Indigenous Involvement	- Construction - Operations and Maintenance	Indigenous Community	The owner / operator of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS. The nature of collaboration on road development at Ogoki and Albany River crossing locations (including refinement of mitigation measures and development of management plans) are expected to be defined through environmental advisory committee Terms of Reference.
1503	- Future Indigenous Involvement - Provincial Process - Wildlife - Final EA / IS Section	Detail Design / Pre-Construction	Indigenous Community	The owner / operator of the Community Access Road will work with regulators to develop Project-specific management and monitoring plans for wolverine if required as part of future project-specific permitting requirements.
1504	Future Indigenous Involvement	- Construction - Operations and Maintenance	Indigenous Community	- The proponent will develop the environmental protection plan to include planning and scheduling information that includes site-specific sensitivities. - The owner / operator will obtain necessary permits as required and directed by regulators. - The proponent and the owner / operator will be committed to ongoing engagement throughout the next stages of the Community Access Road.
1505	- Future Indigenous Involvement - Wildlife - Vegetation - Final EA / IS Section	Detail Design / Pre-Construction	Indigenous Community	- The proponent of the Community Access Road will consider Aroland First Nation's recommendations when developing relocation protocols of specific and incorporated at the discretion of the owner / operator. - Future funding requests and opportunities will be addressed by the owner / operator of the Community Access Road.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1506	• Wildlife	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will determine the inclusions of birds in the reporting protocol for incidental observations and vehicle collisions during development of the Environmental Protection Plan.
1507	• Operations and Maintenance (incl. post-construction monitoring) • Wildlife • Final EA / IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The owner / operator will follow accepted methods for accurate and statistically valid data results for the acoustic recording unit (ARU) analysis, such as Guide for Bat Monitoring in Atlantic Canada, which will be conducted as part of monitoring during the active and post-construction stages.
1508	• Wildlife • Indigenous Knowledge and Land Use	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will consider targeted surveys for eastern whip-poor-whil and short-eared owl during the pre-construction / detail design phase.
1509	• Future Indigenous Involvement • Ungulates	• Construction	• Indigenous Community	• The owner / operator will address future funding requests from Aroland First Nation associated with the review project-specific monitoring and offsetting plans..
1510	• Future Indigenous Involvement • Ungulates • Indigenous Knowledge and Land Use • Final EA / IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will develop an Environmental Protection Plan, which includes provisions for mitigation and monitoring of Ungulates.
1513	• Country / Traditional Foods • Community Well-Being	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road completed the country foods sampling program through engagement with Aroland First Nation and Marten Falls First Nation to characterize a baseline contaminant concentration in key country foods. The dataset collected will be used to inform the Problem Formulation Report in detail design.
1514	• Wildlife	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will consider additional aerial surveys on beaver lodges during the next phase of the Community Access Road.
1515	• Fish and Fish Habitat	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS, including input into the design to avoid, where feasible, areas of sensitive fish, fish habitat, and fishing areas that have been identified through Indigenous Knowledge. Permit from the MNR and DFO will be obtained where required.
1516	• Wildlife	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS, including engagement on design measures and wildlife crossing mitigation options at select bridges and culverts located in high-suitability habitat for Species at Risk and species vulnerable to road mortality. • During construction the owner / operator will implement these design features at prioritized locations. During operations, the owner / operator will maintain gaps in road berms and snowbanks along the right-of-way and access roads to facilitate wildlife movement.
1517	• Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS.
1518	• Vegetation	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS, including the requirements for mitigation and monitoring of invasive species.
1519	• Future Indigenous Involvement • Atmospheric Environment	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS, including the development of dust and air mitigations during construction.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1520	• Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• ATRI mitigation measures identified are applicable to Indigenous communities that have received an ATRI report. The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS.
1521	• Future Indigenous Involvement	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the EA. Through this advisory committee process, the proponent of the Community Access Road will work collaboratively with participating communities to help determine how community readiness and workforce measures are applied, including identifying appropriate opportunities, training programs, and timing of initiatives to support community participation and workforce transition over the life of the Community Access Road.
1522	• Peatlands • Future Indigenous Involvement	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Indigenous Community	• The proponent of the Community Access Road will establish an environmental advisory committee, if one does not already exist, to support implementation of mitigation, monitoring, and engagement commitments identified in the Final EA/IS. The committee will be governed by a Terms of Reference (ToR) that defines its purpose, scope of work, membership, reporting relationships, and meeting structure, unless an existing committee and ToR already meet this mandate. Subcommittees / working groups may be established to address specific topics.
1523	• Future Indigenous Involvement • Final EA / IS Section	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent will continue to consult and engage with Indigenous Communities during detail design, including in the placement and configuration of road maintenance facilities, rest stops and pull-out areas within the corridor assessed in the EA/IS.
1524	• Future Indigenous Involvement • Wildlife • Final EA / IS Section	• Detail Design / Pre-Construction • Construction	• Indigenous Community	• The proponent and owner / operator of the Community Access Road will follow existing mechanisms and processes for sharing the Wildlife Monitoring Program with Indigenous communities, including Kashechewan First Nation.
1525	• Provincial Process	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will discuss all plans for bedrock, sand and gravel, and borrow areas / pits locations with MNR in order to understand their permitting requirements.
1526	• General	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will use real-life images of comparable nature to illustrate the realities of road building in peatlands during detail design, where applicable.
1527	• Future Indigenous Involvement	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will develop mitigation measures specific to the traditional plant harvest areas identified as "inaccessible" through engagement with Indigenous Communities (i.e. Environmental Advisory Committees)
1528	• Consultation	• Detail Design / Pre-Construction	• Indigenous Community	• The proponent has prepared and provided a detailed Feedback and Response Log in Appendix C of the Final EA / IS. For each submission, the log identifies the comment, our response, and includes specific references to the relevant sections of the Final EA / IS where the comment has been addressed, where applicable. Should Fort Albany First Nation determine that any referenced sections do not adequately address their outstanding concerns, additional comments may be submitted during the regulator-led consultation period for the Final EA / IS, at which time the proponent will provide additional clarification or discussion as applicable.
1529	• Operations and Maintenance (incl. post-construction monitoring)	• Construction • Operations and Maintenance	• Indigenous Community	• The owner / operator will be responsible for following mitigation measures aimed at protecting surface water during construction and operations, as well as maintenance of the road, including garbage removal.
1530	• Fish and Fish Habitat	• Detail Design / Pre-Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The proponent of the Community Access Road will retain an Aquatics Specialist to assess any new waterbodies identified prior to construction. Based on the assessment, the owner / operator will implement applicable site-specific construction methods, mitigation and enhancement measures, and permitting requirements and will engage Indigenous communities and regulatory agencies, as appropriate, to minimize potential effects on fish habitat quantity and quality.
1531	• Fish and Fish Habitat	• Detail Design / Pre-Construction • Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The proponent and / or owner / operator of the Community Access Road will prepare and implement a Dust / Air Quality Management Plan and will implement dust control measures, such as water application and speed limits, as required.

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1532	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will manage the burning of slash piles in accordance with agreements with Indigenous communities and landowners, and subject to applicable permits, approvals, and regulatory requirements.
1533	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will clear and revegetate the riparian zone, including areas above and below the high-water mark, in accordance with Fisheries and Oceans Canada's Measures to Protect Fish and Fish Habitat (2025a), the Ontario Provincial Standard Specification General Specification for Environmental Protection for construction in and Around Waterbodies and on Waterbody Banks (2021b), the Ministry of Natural Resources and Forestry's Environmental Guidelines for Access Roads and Water Crossings (1990), and the Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (2010a) and associated Background Rationale document (2010b).
1534	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will schedule and complete construction activities in a timely manner, where feasible, to minimize the duration of disturbance to fish and fish habitat.
1535	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will construct and install waterbody crossing structures in a manner that protects waterbody banks from erosion, maintains downstream flows, and complies with applicable permits, approvals, and authorizations issued for the Project by Fisheries and Oceans Canada and the Ministry of Natural Resources.
1536	• Fish and Fish Habitat	• Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will regularly inspect and maintain culverts and bridges to prevent blockages and associated ponding or backwater effects. At fish-bearing waterbodies, debris removal activities will be conducted in accordance with Fisheries and Oceans Canada's Codes of Practice (2025b), including measures to avoid flooding, extreme downstream flows, the release of suspended sediments, and fish stranding. Inspection and maintenance frequencies will be adjusted, as appropriate, to account for changing climate conditions over time.
1537	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will decommission and reclaim temporary pits, quarries, access roads, staging areas, camps, and debris and / or timber stockpiles that are no longer required for construction activities. Pits and quarries will undergo progressive and final rehabilitation and will be surrendered in accordance with the Aggregate Resources Act and applicable regulatory requirements.
1538	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will decommission and rehabilitate temporary access roads, staging areas, camps, and debris and / or timber stockpiles following construction where they are not required for operation and maintenance activities.
1539	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The proponent of the Community Access Road will design permanent waterbody crossing structures to accommodate projected climate change conditions.
1540	• Fish and Fish Habitat	• Detail Design / Pre-Construction • Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The proponent of the Community Access Road will complete site-specific fish and fish habitat and surface water surveys during detail design to support the engineering design and permitting of waterbody crossings where work below the high-water mark is proposed. The proponent will submit waterbody crossing designs, as required, to support permit applications to Fisheries and Oceans Canada and the Ministry of Natural Resources. Additional surveys may be completed at select sites where work above the high-water mark is proposed, as required by applicable permitting requirements.
1541	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will retain Environmental Monitors and Indigenous Environmental Monitors during construction to verify that all waterbodies crossed by the Community Access Road and associated access roads have been identified and documented. Environmental Monitors and Indigenous Environmental Monitors will monitor the installation, use, and removal of waterbody crossing structures and will verify that appropriate crossing methods are used and that applicable approvals, permits, and authorizations from Fisheries and Oceans Canada and the Ministry of Natural Resources are in place prior to construction activities at waterbody crossings.
1542	• Fish and Fish Habitat	• Detail Design / Pre-Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The proponent of the Community Access Road will conduct fish and fish habitat and surface water surveys prior to construction at waterbodies that have not been previously assessed and where work below the high-water mark is proposed, to support permitting and review requirements of Fisheries and Oceans Canada and the Ministry of Natural Resources.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1543	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will follow best management practices and environmental approval conditions, permits, or authorizations issued for the Project, including those issued from Fisheries and Oceans Canada (a Request for Review will be prepared for Fisheries and Oceans Canada. Fisheries and Oceans Canada will determine whether to provide a Letter of Advice or if a Fisheries Act Authorization is required) and the Ministry of Natural Resources (permits will be required from the Ministry of Natural Resources under the Lakes and Rivers Improvement Act).
1544	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will implement the construction mitigation and enhancement measures outlined for changes to fish habitat quantity and quality associated with physical alterations of waterbodies and changes to riparian vegetation.
1546	• Fish and Fish Habitat	• Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will implement the operation and maintenance mitigation and enhancement measures identified for changes to fish habitat quantity and quality resulting from physical alterations of waterbodies.
1547	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will suspend construction activities within 30 m of any previously unidentified waterbody encountered during construction and will clearly mark the location until it has been assessed by a qualified Aquatic Specialist. Based on the assessment, the owner / operator will implement appropriate mitigation measures and, where required, engage Fisheries and Oceans Canada and the Ministry of Natural Resources regarding applicable permitting, approvals, or authorizations prior to resuming construction activities.
1548	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will limit the Project footprint to the extent feasible.
1549	• Fish and Fish Habitat	• Construction • Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will transport, store, and handle fuels used for operation and maintenance activities in accordance with the Transportation of Dangerous Goods Act, 1992 and the Technical Standards and Safety Act, 2000, and all applicable regulations, standards, and regulatory requirements.
1550	• Fish and Fish Habitat	• Detail Design / Pre-Construction • Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The proponent and / or owner / operator of the Community Access Road will prepare and implement a Spill Prevention and Emergency Response Plan that describes specific measures that would be implemented if a spill occurred.
1551	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will use existing access roads where possible.
1552	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will use existing waterbody crossing structures where feasible and will minimize the number of waterbody crossings required for the Community Access Road.
1553	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will obtain a Licence to Collect Fish for Scientific Purposes from the Ministry of Natural Resources, as required, and will retain qualified Aquatics Specialists to rescue and relocate fish from isolated work areas prior to the commencement of in-water construction activities within those areas.
1554	• Fish and Fish Habitat	• Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will implement a post-construction monitoring program to verify the effectiveness of erosion and sediment control measures, including bank restoration and revegetation, and to confirm the stability of waterbody crossings. Monitoring will be conducted within one full growing season following construction, unless an extended monitoring period is warranted. Permanent waterbody crossing structures will be inspected regularly, including annual spring inspections, and any Project-related changes to channel morphology that may affect fish habitat quantity or quality will be identified and addressed, as appropriate.
1555	• Fish and Fish Habitat	• Detail Design / Pre-Construction • Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will install, monitor, maintain, and adapt erosion and sediment control measures to minimize or avoid the mobilization of sediment from disturbed areas to drainages and waterbodies. Appropriate erosion and sediment control materials will be available on site prior to the commencement of construction activities.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1556	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will avoid bank grading to accommodate temporary bridges, where feasible. Where bank grading is required, activities will be conducted in accordance with applicable permit conditions, approvals, and authorizations, including those issued by Fisheries and Oceans Canada and the Ministry of Natural Resources.
1557	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will avoid construction activities in sensitive fish and fish habitat areas, including spawning habitats and groundwater upwelling areas, where feasible, through site-specific planning, design, and mitigation measures.
1558	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will avoid construction activities during restricted activity timing windows established to protect fish and fish habitat, where feasible. Where work within a restricted activity timing window cannot be avoided, the owner / operator will obtain any required approvals from Fisheries and Oceans Canada and the Ministry of Natural Resources prior to commencing work. Restricted activity timing windows for individual waterbody crossings will be established through the applicable permitting process.
1559	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will complete blasting near fish-bearing waterbodies outside the proposed restricted activity timing window for all blasting operations.
1560	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will complete instream construction in isolation of flowing water (i.e., use isolation methods for the installation and removal of culverts where surface water exists at the time of construction).
1561	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will consider the restricted activity timing windows for waterbodies for the timing of clearing riparian areas.
1562	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will construct or install waterbody crossings in a manner that protects the banks from erosion, maintains downstream flows in the waterbody, and follows permits or authorizations issued for the Project from Fisheries and Oceans Canada and the Ministry of Natural Resources.
1563	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will construct waterbody crossings in a manner that maintains downstream flows and fish passage and follows conditions of permits or authorizations issued for the Project by Fisheries and Oceans Canada and the Ministry of Natural Resources.
1564	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will construct, operate, remove, decommission, and rehabilitate all waterbody crossing structures, if appropriate, following best management practices and environmental approval conditions, including the Ontario Provincial Standard Specification General Specification for Environmental Protection for construction in and Around Waterbodies and on Waterbody Banks (2021b), Ministry of Natural Resources and Forestry's Environmental Guidelines for Access Roads and Water Crossings (1990) and Fisheries and Oceans Canada's Measures to Protect Fish and Fish Habitat (2025a) and Standards and Codes of Practice (2025b,c).
1565	• Fish and Fish Habitat	• Construction • Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The proponent will develop and the owner / operator will follow a Sediment and Erosion Control Plan in accordance with Ontario Provincial Standard Specifications construction Specification for Temporary Erosion Control (2021a) and construction Specification for Temporary Sediment Control (2020).
1566	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will develop and maintain surface water management and erosion control infrastructure to minimize potential for changes to infiltration rates.
1567	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• For blasting operations, the owner / operator will follow the overpressure and vibration guidelines outlined in the Ontario Provincial Standard Specification General Specifications for the Use of Explosives (2014) and Guidelines for the Use of Explosives in or Near Canadian Fisheries Waters (Wright and Hopky, 1998) including: – Overpressure guideline: Explosives are not to be detonated in or near fish habitat that produces, or is likely to produce, an instantaneous water pressure change (i.e., overpressure) greater than 100 kPa where fish are present. The overpressure guideline applies year-round in any fish-bearing waterbody near the blast. – Vibration guideline: Explosives are not to be detonated that produce, or are likely to produce, a peak particle velocity greater than 13 mm/s in a spawning bed during the period of egg incubation. The vibration guideline applies during the restricted activity timing window in the waterbody near the blast.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1568	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will maintain 100% downstream flow for isolations / diversions.
1569	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• For permanent and temporary waterbody crossing structures, the owner / operator will adhere to the proposed restricted activity timing window if: – Any work is completed below the high-water mark (e.g., installation or removal of fill or culverts, bridge supports below the high-water mark, one-time ford). – The waterbody is frozen and an ice bridge / snow fill is constructed. – Beaver dam removals are required.
1570	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• For permanent and temporary waterbody crossing structures, the owner / operator will adhere to the proposed restricted activity timing window: – If all work is completed above the high-water mark (e.g., installation or removal of a clear span bridge with no fill or supports below the high-water mark). – If work is completed below the high-water mark and approval is obtained from Ministry of Natural Resources and Fisheries and Oceans Canada prior to construction. – When using the existing and installed waterbody crossing structures, where no modifications are required.
1571	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will not ford a waterbody unless approved by the Ministry of Natural Resources and Fisheries and Oceans Canada. As per Fisheries and Ocean Canada's Code of Practice (2025b), the owner / operator will limit fording to a onetime event (over and back) and use only if an existing crossing at another location is not available or practical to use. If repeated crossings of the waterbody are required, a crossing structure will be installed. Permits are expected to be required from Ministry of Natural Resources for any use of a ford.
1572	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will have equipment for containing spills on site. Spill response kits will be provided in fuel and hazardous materials storage and handling facilities at temporary construction camps and temporary laydown areas, in on site work areas, and / or in vehicles and equipment, and personnel will be trained in spill response.
1573	• Fish and Fish Habitat	• Construction • Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will have machinery and equipment arrive on site in a clean condition and will inspect and maintain routinely to avoid fluid leaks.
1574	• Fish and Fish Habitat	• Construction • Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will not use herbicide. Vegetation will be largely removed by mechanical means, except within 10 m of a watercourse or wetland. In these areas, vegetation will be removed manually, using chain saws and other hand-held equipment, while leaving the undergrowth and duff layer undisturbed to prevent erosion).
1575	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• If new waterbodies are identified prior to construction, the proponent will contract an Aquatics Specialist to assess the waterbody. Depending on the nature of the waterbody, recommendations for construction methods, appropriate mitigation and enhancement measures, and permitting requirements will be made by the Aquatics Specialist and, if necessary, local First Nation communities and appropriate regulatory agencies including the Ministry of Natural Resources and Fisheries and Oceans Canada will be engaged. This will allow for the appropriate mitigation and enhancement measures to be implemented during construction at each waterbody crossing at a site-specific level, which will reduce or avoid potential effects on habitat quantity and quality. • If new waterbodies are identified during construction, the owner / operator will clearly flag the waterbody and suspend activity within 30 m of the location until an Aquatic Specialist has assessed the waterbody and determined a suitable course of action, which may include contacting Fisheries and Oceans Canada and the Ministry of Natural Resources.
1576	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will implement best management practices and regulations outlined by the Ministry of Natural Resources to reduce the spread of invasive species.
1577	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will implement the mitigation and enhancement measures identified in the Surface Water Quality Assessment (WSP, 2026a).

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1578	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator of the Community Access Road will implement the relevant mitigation and enhancement measures identified in the Surface Water Quality Assessment (WSP, 2026a).
1579	• Fish and Fish Habitat	• Construction • Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will install, monitor, and manage appropriate erosion and sedimentation control measures to prevent sediment from reaching the waterbody prior to and during construction, and maintenance activities and in accordance with Ontario Provincial Standard Specifications construction Specification for Temporary Erosion Control (2021a) and construction Specification for Temporary Sediment Control (2020).
1580	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• For instream construction, the owner / operator will: – For isolations / diversions, appropriately screen water intakes or pumps to prevent entrainment or impingement of fish (Fisheries and Oceans Canada, 2025a) and follow measures for design and installation of intake end of pipe fish screens to protect fish (Fisheries and Oceans Canada, 2025a). – Obtain a License to Collect Fish for Scientific Purposes from the Ministry of Natural Resources and have Aquatics Specialists rescue and relocate fish within the isolated workspace prior to construction in the isolated workspace.
1581	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will locate temporary access roads, staging areas, camps, and debris and / or timber stockpiles a minimum of 30 m away from the ordinary high-water mark of a waterbody, where possible.
1583	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will maintain buffer zones of 30 m around waterbodies and limit clearing of riparian vegetation to the extent practical and to the requirement of the access road and alignment clearing width only.
1584	• Fish and Fish Habitat	• Operations and Maintenance	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will operate waterbody crossing structures in consideration of best management practices and environmental approval conditions, including the Fisheries and Oceans Canada's Measures to Protect Fish and Fish Habitat (2025a) and Ministry of Natural Resources and Forestry's Environmental Guidelines for Access Roads and Water Crossings (1990).
1585	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will postpone instream construction if excessive flows or flood conditions are present or anticipated. The owner / operator will resume activities when water levels have subsided or equipment / techniques suitable for conditions are deployed.
1587	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will recontour disturbed areas to restore drainage patterns and the approximate preconstruction profile.
1588	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will register aboveground storage tanks under and in compliance with applicable federal and provincial legislation.
1589	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will adhere to the following Sediment and Erosion Control measures: – Install, monitor, and manage appropriate erosion and sedimentation control measures to minimize or avoid sediment mobilization from the disturbed area to drainages or waterbodies and in accordance with Ontario. – Provincial Standard Specifications construction Specification for Temporary Erosion Control (2021a) and construction Specification for Temporary Sediment Control (2020). Adequate and appropriate erosion and sedimentation control materials shall be on site and available prior to commencement of construction.
1590	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will store fuel and other materials for the machinery to prevent any deleterious substances from entering a waterbody (Fisheries and Oceans Canada, 2025a).
1591	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will confirm that temporary erosion control measures are: – Installed before or immediately after initial disturbance – Properly installed – Inspected and properly maintained (e.g., repaired, replaced or supplemented with functional materials) throughout construction until permanent erosion control is established or reclamation is complete.
1592	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator, to the extent practical, and while complying with all appropriate mitigation and enhancement measures, will complete work below the high-water mark as quickly as possible to shorten the duration of disturbance.

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1593	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will train individuals working on site and handling hazardous materials about best practices for the transportation of dangerous goods to avoid negatively affecting fish and fish habitat by introducing hazardous materials into the environment.
1594	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will monitor turbidity and total suspended solids according to Fisheries and Oceans Canada, and the Ministry of Natural Resources permit requirements and will follow the Canadian Council of Ministers of the Environment's Canadian Water Quality Guidelines for the Protection of Aquatic Life (Canadian Council of Ministers of the Environment, 1999).
1595	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator, upon removal of the temporary crossing materials, will return the waterbody banks to their original profile, if needed and stabilize disturbed areas, as necessary, to prevent soil erosion.
1596	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will use erosion resistant fill material below the high-water level within the floodplain of a waterbody.
1597	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will only use explosives if alternate methods of excavation to remove materials for foundation systems and roads is not feasible.
1598	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will wash, refuel, and service machinery to prevent any deleterious substances from entering a waterbody (Fisheries and Oceans Canada, 2025a).
1599	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• Where a channel allows for fish passage, the proponent will design and the owner / operator will install culverts in fish-bearing waterbodies to allow for fish passage to meet Ministry of Natural Resources and Forestry's Environmental Guidelines for Access Roads and Water Crossings (1990) and Fisheries and Oceans Canada's Standards and Code of Practices (2025b, c) and fish passage guidelines (Katopodis and Gervais, 2016; Di Rocco and Gervais, 2024).
1600	• Fish and Fish Habitat	• Construction	• Fisheries and Oceans Canada • Ministry of Natural Resources	• The owner / operator will contain and clean up spills and leaks as soon as possible following incidents.
1601	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will conduct a Before-After Control-Impact study which will begin during construction and continue during operations and maintenance and will allow for a quantitative assessment of potential effects of each phase of the Project. Data from construction monitoring will be compared to data collected prior to construction (i.e., baseline data collected from caribou collars, remote cameras and winter aerial surveys [2020 to 2024]) and data from reference sites (i.e., sites not affected by construction disturbance) to determine if predictions made in the Environmental Assessment are valid and to monitor changes in population trends and habitat use though time.
1602	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will place a buffer zone will around the perimeter of blasting activities and surrounding forested habitat. Blasting will be prohibited if large mammals (i.e., moose and / or caribou) are observed within 500 m from the blasting location. • The proponent will develop and the owner / operator will implement pre-blasting surveys as part of the Environmental Protection Plan.
1617	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will develop and the owner / operator will implement a Vegetation Management Plan including measures to protect rare plants and rare vegetation communities. • In the event a rare plant species or a rare vegetation community are encountered unexpectedly, or cannot be avoided, the owner / operator will implement the rare plant protection measures outlined in the Vegetation Management Plan.

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1618	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will develop and the owner / operator will implement a Waste Management Plan that includes the appropriate management of solid, liquid and hazardous waste, including: – construction related garbage, debris, and surplus materials. – Hazardous materials such as used oil, filter and grease cartridges, lubrication containers. – Domestic garbage and camp waste (i.e., food and grey water). Portable, secure, solid waste receptacles will be provided on work sites, temporary laydown areas and temporary construction camps and periodically emptied.
1619	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will gate access roads for aggregate areas and other infrastructure required for maintenance activities to limit public access.
1621	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will adhere to federal and provincial regulations and guidelines regarding collection and storage of explosives and solid waste, such as the federal Explosives Act.
1622	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will adhere to federal and provincial regulations and guidelines regarding hazardous substance collection and storage, use and handling, and disposal and treatment, such as the federal Transportation of Dangerous Goods Act, provincial Dangerous Goods Handling and Transportation Act, and the Environment Act.
1623	• Ungulates	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will locate project infrastructure systems away from key habitats (i.e., critical habitat, biophysical attributes as defined in Federal Recovery Strategy, Significant Wildlife Habitat) as much as possible.
1624	• Ungulates	• Detail Design / Pre-Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and owner / operator will limit aerial operations when possible; when not feasible, minimum ferry altitude of 400 m above ground level will be maintained during sensitive timing periods to reduce sensory disturbance on caribou.
1625	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will keep all work areas clear of any attractants such as foods scraps and food containers.

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1626	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will maintain gaps in road berms and snowbanks along the Project right-of-way and the access roads to facilitate wildlife crossing at drainages, wildlife trails, strategic crossing points informed by movement data and Indigenous Knowledge, or connected habitat patches so that ungulate movements across roads are not blocked.
1627	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will develop and the owner / operator will implement an Environmental Protection Plan and a Cleanup and Reclamation Plan. Where necessary, seedling planting will occur to improve restoration success on areas of temporary disturbance (e.g., temporary access roads, laydown areas, camps, and workspaces) where habitat enhancement is identified. Reclamation plans will be confirmed through engagement with Indigenous communities, the Ministry of Natural Resources and local foresters. Effectiveness of revegetation efforts will be monitored and managed post-construction, including confirmation that vegetation communities that naturally regenerate (or were planted) are similar to adjacent vegetation communities. If required, adaptive management will be employed to modify or enhance any reclamation efforts.
1628	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will develop and the owner / operator will implement an Environmental Protection Plan that includes measures to limit noise disturbance from construction activities. This includes prohibiting use of engine retarder brakes, enforcing speed limits, reducing idling of vehicles, designing routes to minimize reversing (backup beeper), reducing traffic by locating camps near construction sites, and restricting construction traffic to designated areas and only construction personnel.
1629	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will develop and the owner / operator will implement an Environmental Protection Plan that includes policies and actions anticipated to mitigate the attraction of wildlife to the construction Disturbance Area, particularly near the temporary construction staging areas and temporary construction camps.
1630	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement an Environmental Protection Plan that includes policies and actions for avoiding and minimizing the risks of blasting and blasting materials to wildlife, including ungulates.
1631	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will remove debris less than 1 m in diameter, including roadkill, within 48 hours and will remove debris greater than 1 m in diameter as detected as per the Ministry of Transportation's Debris Control Maintenance Quality Standard (MQS-331; Ministry of Transportation, 2003).

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1632	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will control invasive plant species using a combination of biological, cultural, manual, and mechanical control methods during operations and maintenance as per the Ministry of Transportation's Weed Control Maintenance Best Practice (MBP-320; Ministry of Transportation, 2003).
1633	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• At watercourse crossings that occur within Category 1 caribou habitat and are on the north-south segment of the preferred route (i.e., multi-span bridges WA-11 and WA-15, and clear-span bridge WA-18), and at watercourse crossings that occur within Category 1 habitat and on the east-west segment of the preferred route (i.e., multi-span bridges W-34 and W-35, and clear-span bridges NW-11, NW-12, NW-13, NW-14, NW-15, NW15A, NW-16, NW 17, NW-18) the owner / operator will modify bridge and bridge embankments to incorporate terrestrial pathways adjacent to the aquatic habitat and allow for ungulate passage, where feasible given land cover considerations. These design features include increasing the height of bridge to minimum 4 m vertical clearance, using natural substrates on the bridge embankments and under the bridge, allow for an unobstructed line of sight on either side of the bridge, and clear and maintain the minimum width of right-of-way at bridge crossings. In other locations along the Community Access Road where frequent crossings of species at risk are anticipated, reduced speed limits will be implemented and wildlife-friendly road embankments with gentle slopes (i.e., gradual incline) and smooth crush material will be constructed to encourage safe crossing. Specific sites will be informed by caribou collar data, habitat modelling and Indigenous Knowledge.
1634	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will avoid re-entry and disturbance of reclaimed temporary access areas through combined use of physical control measures (rollback, remove of creek crossings, recontouring to surrounding topography, revegetation / reforestation and / or barriers at junctions with active access).
1635	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will suspend blasting within 10 km of known or potential caribou Category 1 areas during sensitive periods to minimize sensory disturbances (nursery areas: May 1 to July 14 very low tolerance, July 15 to September 15 low tolerance; winter use areas: December 1 to March 31; MNR 2013b,c). If timing windows cannot be adhered to, the owner / operator will follow environmental approval conditions, permits, or authorizations issued for the Project, including those issued from Environment and Climate Change Canada, Ontario Ministry of Environment, Conservation and Parks and Ontario Ministry of Natural Resources.
1636	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will complete blasting work as quickly as possible to shorten the duration of disturbance to ungulates.
1637	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will collect domestic (e.g., food) and industrial (e.g., used oil and lubricants) waste and store temporarily in wildlife proof containers and will transport all waste off-site for recycling or disposal at a licensed disposal facility.

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1638	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will minimize collision risk during construction with the implementation of the Environmental Protection Plan, which will include measures to minimize collisions between wildlife and vehicles during construction such as an education program that details to staff, contractors, and visitors how to take all reasonable precautions to avoid wildlife collisions. In addition, the Environmental Protection Plan will include measures such as: – Giving wildlife the right-of-way. – Signage in areas where wildlife are regularly observed. – Radio communication between staff of wildlife presence in construction area. – Coordinating worker transportation to site to reduce traffic volumes, where practicable. – Confining vehicle traffic to approved right-of-way, workspace and access roads. – Leaving gaps in road berms and snowbanks to allow for movement across the construction area. – Restrictions on the use of motorized recreational vehicles by employees and contractors while working, including prohibition of personal snowmobiles, all-terrain vehicles and other motorized recreational vehicles, except for authorized purposes. – Mandatory encounter and incident reporting. – Reduced and enforced speed limits.
1639	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will require commercial vehicles who are transporting dangerous goods on the Community Access Road to adhere to the federal Transportation of Dangerous Goods Act and Ontario's Dangerous Goods Handling and Transportation Act.
1640	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will complete maintenance work as quickly as possible to shorten the duration of disturbance to ungulates.
1642	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will construct temporary linear features to decrease predator efficiency (e.g., retain vegetation under 2 m, minimize width of linear features, switch backs and bends in temporary road construction), and reduce predator mobility (e.g., not removing snow unless necessary).
1643	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will construct the Community Access Road in phases (segment by segment) to concentrate activities spatially and temporally to minimize fragmentation and barriers to ungulate movement across the landscape.

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1644	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will construct the Community Access Road in phases (segment by segment) to limit the amount of disturbance to ungulates at any particular time.
1647	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will educate construction staff about the hazards of littering and feeding wildlife. The owner / operator will implement and enforce a no littering policy.
1648	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will complete the construction as quickly as possible to shorten the duration of disturbance to ungulates.
1649	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will not use de-icing salts on the unpaved Community Access Road during construction or operations and maintenance.
1650	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will design and the owner / operator will construct temporary linear features to decrease predator efficiency (e.g., retain vegetation under 2 m, minimize width of linear features, switch backs and bends in temporary road construction), and reduce predator mobility (e.g., not removing snow unless necessary).
1652	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will provide portable, secure solid waste receptacles on work sites, temporary laydown areas, and temporary construction camps for domestic garbage and camp waste (i.e., food, grey water). Receptacles will be periodically emptied.
1653	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will prohibit employees from using motorized recreational vehicles for personal use and will also prohibit employees from hunting or carrying firearms during construction and operations and maintenance.

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1654	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will enforce reduced speeds during construction for heavy trucks and will adjust the speeds according to conditions (e.g., wildlife, weather conditions).
1658	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will include signage in areas where wildlife are regularly observed and will reduce speed limits in Category 1 caribou habitat areas and at the major bridge crossings over the Ogoki River and Albany River where higher moose and bat occurrence is predicted for commercial traffic. The owner / operator will implement additional mitigation for commercial traffic such as reduced and enforced speed limits on the entire road, communication of wildlife presence between drivers, and mandatory reporting of wildlife incidents.
1659	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• During Operation and Maintenance, the owner / operator will minimize the ongoing use of inactive areas by predators through physical control measures such as rollback, removal of creek crossings, recontouring to surrounding topography, revegetating / reforesting and / or barriers at junctions with active access.
1661	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will minimize the ongoing use of inactive areas by the public through physical control measures such as rollback, removal of creek crossings, felling of timber across temporary access roads, recontouring to surrounding topography, revegetating / reforesting and / or barriers at junctions with active access. Progressive reinstatement and revegetation will be implemented as non-permanent features are decommissioned and restored or revegetated naturally.
1663	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use sand for de-icing during the winter periods on the Community Access Road instead of road salt.
1664	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will require a licensed sewage-handling contractor to empty chemical toilets on site.
1665	• Ungulates	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will engage and consult with Indigenous communities and federal and provincial regulators to confirm the mitigations to be implemented during construction, operations and maintenance.

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1668	• Ungulates	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will follow environmental approval conditions, permits, or authorizations issued for the Project including those issued from Fisheries and Oceans Canada, Environment and Climate Change Canada, Ontario Ministry of Environment, Conservation and Parks and Ontario Ministry of Natural Resources.
1675	• Ungulates	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will develop erosion and sediment control measures in accordance with Ontario Provincial Standard Specifications for erosion and sediment control measures (OPSS.PROV.804 and OPSS.MUNI.805).
1677	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use erosion control practices (e.g., contouring) to limit wind and water erosion on cover soil and overburden stockpiles (e.g., vegetation, erosion mats) as well as encourage regrowth of vegetation.
1678	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will prohibit the feeding and harassment of wildlife on site.
1681	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will follow Ontario Provincial Standard Specification 411 and regularly inspect and maintain culverts and bridges.
1682	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will plough gaps in snowbanks, at least every 1 km, and will have road maintenance crews maintain the gaps throughout the winter season.
1683	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will remove roadkill from the construction Disturbance Area and relocate it to adjacent brush areas, as per the Waste and Excess Materials Management Environmental Protection (EP-9) requirements in the Ministry of Transportation's Maintenance Manual (Ministry of Transportation, 2003). • As per the Waste and Excess Materials Management Environmental Protection requirements in the Maintenance Manual, depending on the location and weather at the time of roadkill removal, burial of small mammals may occur in the roadside ditches, if this activity is permitted under a Certificate of Approval for Waste Management System (Ministry of Transportation, 2003).

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1684	• Ungulates	• Detail Design / Pre-Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will prepare a Waste Management Plan that describes the appropriate management of solid, liquid and hazardous waste, including: – construction related garbage, debris, and surplus materials. – Hazardous materials such as used oil, filter and grease cartridges, lubrication containers. – Domestic garbage and camp waste (i.e., food and grey water); portable, secure, solid waste receptacles will be provided on work sites, temporary laydown areas and temporary construction camps and periodically emptied.
1685	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement an Environmental Protection Plan that includes measures to control, and / or restrict public use of access roads during construction. Measures may include gates / manned gates, signage, reduced road standard, reduced speed limits, felling of timber across temporary access roads after reclaimed, removal of temporary watercourse crossings. Posting and enforcement of restricted access and speed signage will follow the construction Specification for Temporary Traffic Control Devices (Ontario Provincial Standard Specification, 2016).
1686	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the environmental monitoring program, including mitigation for invasive plant species during construction and operations and maintenance.
1687	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the environmental monitoring program, including mitigation measures to control dust and air emissions during construction and operations and maintenance.
1688	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the environmental monitoring program, including mitigation measures to control erosion and sedimentation during construction and operations and maintenance.
1689	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the Environmental Protection Plan during construction and operations and maintenance including policies and actions for avoiding and minimizing the risks of blasting and blasting materials to wildlife.
1690	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the Environmental Protection Plan, including policies and actions for handling and storing waste as well as management of materials and stockpiles.

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1692	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the Spill Prevention and Emergency Response Plan that describes specific measures if a spill occurs.
1693	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will report, or require the contractor to report, incidents of mortality of a species at risk due to collisions with equipment or vehicles during construction and operations and maintenance. The incidents will be reported to SAROntario@ontario.ca and the Natural Heritage Information Centre at NHICRequests@ontario.ca
1695	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use industry best practices for blasting activities, including scheduling when in the vicinity of sensitive wildlife habitat areas. The owner / operator will retain forest buffers (30 m width) around quarries to reduce noise, where feasible.
1696	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will clearly mark known sensitive ecological features (e.g., wetlands, significant wildlife habitat) with associated setbacks. The owner / operator will engage with applicable government agency (e.g., Ministry of the Environment, Conservation and Parks, Ministry of Natural Resources, Environment and Climate Change Canada) if sensitive ecological features are encountered or cannot be avoided.
1697	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will control lighting required for operations and maintenance, including direction and timing to avoid effects on ungulates, while meeting occupational health and safety requirements.
1698	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will limit aerial operations when possible. When not feasible, a minimum ferry altitude of 400 m above ground level will be maintained during sensitive timing periods to reduce sensory disturbance on caribou.
1699	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will limit clearing of riparian vegetation (i.e., within 30 m of waterbodies) to the extent practical and to the requirement of the access road and alignment clearing width only.

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1700	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will limit light disturbance from nighttime construction activities by using directional lighting. Lighting required for construction, including direction and timing to avoid effects on ungulate, will be controlled while meeting occupational health and safety requirements.
1701	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and owner / operator will limit the Project footprint to the extent feasible.
1702	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will limit to the extent feasible the construction of temporary (e.g., access road) and permanent structures in wetlands or within 30 m setback from a wetland. If construction cannot avoid wetlands and 30 m setback, the owner / operator will notify the Ministry of Natural Resources as soon as possible prior to work starting. Work will not be conducted within 30 m setback from wetlands unless approval is obtained from the appropriate regulatory agencies.
1704	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will locate the Project route in such a way that minimizes overlap with sensitive habitats to the extent feasible, including provincially identified Category 1 areas for caribou (i.e., nursery areas, winter use areas, travel corridors; Government of Ontario, 2013a), potential new Category 1 areas identified in the EA/IS, areas which contain biophysical habitat attributes for caribou (ECCC, 2020), and significant wildlife habitat for moose.
1708	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will maintain or improve ungulate habitat by using techniques that accelerate revegetation (e.g., minimize topsoil removal, preserve adequate substrate, leave surface vegetation root mat intact).
1709	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will avoid maintenance activities with high levels of disturbance during the sensitive timing windows for caribou (i.e., May 1 to September 15 for nursery areas, December 1 to March 31 for winter use areas) in known and potential new Category 1 areas, to the extent practical. When activity restrictions cannot be followed, the Ministry of Environment, Conservation and Parks will be engaged to determine alternative approaches.
1710	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will complete maintenance work as quickly as possible to shorten the duration of disturbance.

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1712	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will meet the Transportation of Dangerous Goods Act, Ontario Dangerous Goods Handling and Transportation Act and the Ontario Environmental Protection Act for the transport, storage, and handling of fuels required for operations and maintenance.
1713	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will minimize elevation and slope of soil piles and berms to allow ungulates to have clear line of sight to adjacent habitat.
1714	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement mitigation measures identified in the Ministry of Transportation's Maintenance Quality Standards and Maintenance Best Practices for highway maintenance (Ministry of Transportation, 2003) to minimize erosion and sedimentation during operations and maintenance.
1715	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the mitigation measures described in the Surface Water Existing Conditions and Effects Assessment Report (WSP, 2026d), Groundwater Technical Support Document: Existing Conditions and Effects Assessment Report (WSP, 2026e), Physiography, Terrain, and Soils Technical Support Document: Existing Conditions and Effects Assessment Report (WSP, 2026f), and Vegetation Technical Support Document: Existing Conditions and Effects Assessment (WSP, 2026b) to minimize effects from chemical and hazardous material spills in the ungulate effects assessment Local Study Area during construction and operations and maintenance. • The owner / operator will confirm that the transportation, storage, and handling of fuels will be in compliance with the Technical Standards and Safety Act, 2000 (Government of Ontario, 2000) and Canada's Transportation of Dangerous Goods Act, 1992 (Government of Canada, 1992).
1718	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use multi-passenger vehicles (e.g., buses) to transport construction workers to site when practicable.
1719	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will put in place noise abatement, emission and pollution control equipment on construction machinery, and will properly maintain equipment and machinery so that it is in good working order.

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1721	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will fence off unsupervised open excavations and blasting areas to avoid injury and mortality of ungulates.
1722	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will post and enforce restricted access and speed signage which follows the construction Specification for Temporary Traffic Control Devices (Ontario Provincial Standard Specification, 2016).
1723	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will post and enforce speed limits to reduce vehicle speeds and associated noise and dust emission levels.
1725	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will store potentially toxic materials that attract wildlife in secure areas that are inaccessible to wildlife (e.g., buildings, storage areas surrounded by wildlife-proof fencing), and toxic materials will be monitored continuously when removed from storage until they are used or returned to storage to prevent wildlife accessing and ingesting the materials.
1726	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will prepare a Blasting and Communication Management Plan that is in accordance with Ontario Provincial Standard Specification General Specifications for the Use of Explosives (OPSS, 2014) and describes specific measures that would be implemented if blasting is required.
1727	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will prepare a Cleanup and Reclamation Plan that describes restoration plans including seedling planting, if necessary, to improve restoration success on areas of temporary disturbance (e.g., temporary access roads, laydown areas, camps, and workspaces). Reclamation plans will be confirmed through engagement with Indigenous communities, the Ministry of Natural Resources and local foresters.
1728	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare a Spill Prevention and Emergency Response Plan that describes specific measures that would be implemented if a spill occurred.

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1730	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an Environmental Protection Plan that includes measures to control, and / or restrict predator use of access roads during construction. Measures will include felling of timber across temporary access roads after reclaimed, and removal of temporary watercourse crossings.
1731	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an Environmental Protection Plan that includes measures to minimize collisions between wildlife and vehicles during construction. Measures will include an education program that details to staff, contractors, and visitors how to take all reasonable precautions to avoid wildlife collisions. In addition, the Environmental Protection Plan will include measures such as: – Giving wildlife the right-of-way. – Signage in areas where wildlife are regularly observed. – Radio communication between staff of wildlife presence in construction area. – Coordinating worker transportation to site to reduce traffic volumes, where practicable. – Confining vehicle traffic to approved right-of-way, workspace and access roads. – Leaving gaps in road berms and snowbanks to allow for movement across the construction area. – Restrictions on the use of motorized recreational vehicles by employees and contractors while working, including prohibition of personal snowmobiles, all-terrain vehicles and other motorized recreational vehicles, except for authorized purposes. – Mandatory encounter and incident reporting. – Reduced and enforced speed limits.
1732	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an Environmental Protection Plan that includes policies and actions anticipated to mitigate the attraction of wildlife to the construction Disturbance Area, particularly near the temporary construction staging areas and temporary construction camps.
1733	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an Environmental Protection Plan that includes policies and actions anticipated to mitigate the barrier to movement by caribou.
1734	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an Environmental Protection Plan that includes policies and actions for avoiding and minimizing the risks of blasting and blasting materials to wildlife, including ungulates.
1735	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an Environmental Protection Plan that includes measures to limit noise disturbance from construction activities including prohibiting use of engine retarder brakes, enforcing speed limits, reducing idling of vehicles, designing routes to minimize reversing (backup beeper), reducing traffic by locating camps near construction sites, and restricting construction traffic to designated areas and only construction personnel.

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1736	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an environmental monitoring program that will include mitigation measures to control dust and air emissions.
1737	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an environmental monitoring program that will include mitigation measures to control erosion and sedimentation.
1738	• Ungulates	• Detail Design / Pre-Construction • Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent and / or owner / operator will prepare an environmental monitoring program that will include mitigation measures to control invasive plant species.
1741	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement measures to prevent wildfires from starting from Project construction activities (e.g., have readily available fire extinguishers, firefighting equipment, water packs / pails, provide firefighting training to staff, keep equipment clean and in good condition, no smoking outside designated areas, prepare an Emergency Response Plan).
1742	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement progressive reclamation and revegetation as non-permanent features are decommissioned and reclaimed or revegetated naturally.
1744	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will reclaim temporary access roads, construction camps, waterbody crossings and laydown areas at the end of construction.
1745	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent of the Community Access Road will complete detail design to provide rest areas every 50 km along the road during operations and maintenance. The rest areas will be staggered every 25 km, alternating on each side of the highway. These rest areas will contain waste receptacles. As per the Ministry of Transportation's Rest Area / Picnic Site Maintenance Best Practice (MBP-325), during the rest areas operating season (i.e., months during the year when temperatures remain above 0°C and closing no sooner than October 15), litter in waste receptacles will be removed from rest areas when waste receptacles are 75% full (Ministry of Transportation, 2003).

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1746	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will consider maintaining or improving wildlife habitat during on-site restoration. • The owner / operator will consider planting native trees, preferably conifers, to accelerate revegetation of the access roads and other temporary disturbances (or progressive reclamation through project life cycle).
1747	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will restrict wildlife access to waste (e.g., collect domestic and industrial waste and store in temporary containers until transported off-site, empty chemical toilets regularly, prohibit littering, prohibit feeding and harassment of wildlife).
1748	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will restrict construction traffic to designated areas.
1749	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will retain the function, quality and connectivity of compatible habitat features (e.g., vegetation, trees, wildlife trees, coarse woody debris) as much as possible, particularly in selective, environmentally sensitive areas, to the extent practical and where safe to do so (e.g., using proper setbacks of key habitat features, avoid severe water fluctuations, avoid terrestrial islands, avoid mineral licks, avoid unburned areas within wildfire perimeters, avoid migratory pathways).
1750	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will clean up roadkill during construction and operations and maintenance following best management practices outlined by Ontario's Ministry of Transportation.
1751	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will manage roadkill, debris, and waste as per the Ministry of Transportation's Debris Control Maintenance Quality Standard (MQS-331) and Ministry of Transportation's Rest Area / Picnic Site Maintenance Best Practice (MBP-325).
1752	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will incorporate road pull-outs at regular intervals during snow removal to provide refuge for wildlife moving along the Community Access Road corridor.

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1753	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will limit the height of snowbanks as much as possible and to a height less than 1.6 m during construction and operations and maintenance.
1754	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will enforce speed limits to reduce noise associated with vehicle traffic during operations and maintenance.
1755	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will outline measures to minimize wildlife-human interactions during construction within the Environmental Protection Plan. This includes an education program that details to staff, contractors, and visitors how to take reasonable precautions to avoid wildlife conflicts, mandatory encounter and incident reporting, and signage identifying dangers of discharging firearms near industrial activity.
1756	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will implement the Environmental Protection Plan to minimize sensory disturbance by contractors during operations and maintenance, including prohibiting the use of engine retarder brakes, enforcing speed limits, and restricting maintenance traffic to designated areas.
1757	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The proponent will determine the method of domestic sewage disposal at temporary construction camps during detail design. Options may include holding tank systems with off-site disposal or on-site leaching beds designed in accordance with applicable codes and approvals. • The owner / operator will acquire all required permits and authorizations for construction and operations and maintenance. • Subsurface sewage disposal systems, where proposed, will be designed by the proponent in accordance with the Ontario Building Code (OBC) for systems under 10,000 L/day. For systems exceeding this threshold, approval under Section 53 of the Ontario Water Resources Act (OWRA) will be obtained. • If required and when feasible, the owner / operator will remove domestic wastewater by approved disposal trucks and dispose of at wastewater treatment plants with the authorization and capacity to accept this wastewater.
1758	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use adaptive management to establish and refine mitigation measures during construction and operations and maintenance.

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1761	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will avoid construction activities during the sensitive timing windows for caribou (i.e., May 1 to September 15 for nursery areas, December 1 to March 31 for winter use areas) within 10 km of known and potential new Category 1 areas, to the extent practical. When activity restrictions cannot be followed, the owner / operator will engage the Ministry of Environment, Conservation and Parks to determine alternative approaches.
1762	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will minimize vegetation clearing and access road requirements within the Project footprint to the extent feasible (e.g., concentrate temporary activities spatially, retain habitat outside of scoped construction Disturbance Area, restrict construction vehicle traffic to established access roads where feasible).
1763	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will minimize the time that maintenance materials are left on the ground to limit physical barriers to ungulate movement.
1764	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will minimize the time that road construction materials are left on the ground to limit physical barriers to ungulate movement.
1765	• Ungulates	• Construction • Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• To minimize ongoing attraction of predators to the Project area, the owner / operator will clean up roadkill following best management practices outlined by Ontario's Ministry of Transportation and wildlife access to waste will be restricted.
1766	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will post traffic speeds during construction. Speeds will be determined by temporary access road conditions and will be at the discretion of the owner / operator.
1767	• Ungulates	• Operations and Maintenance	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will post and enforce traffic speeds during operations and maintenance.

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1768	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• Under non-frozen conditions and where regulatory approvals allow, the owner / operator will install mats (e.g., rig mats, swamp mats, access mats) to limit effects on waterbodies and wetlands, if warranted and surface conditions require.
1769	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use construction practices which encourage the eventual natural recovery / growth of native species (e.g., winter exploration programs on frozen ground with no ripping or grubbing soil).
1770	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use existing access roads where possible during construction.
1771	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use progressive restoration and will adopt practices to facilitate conifer recovery (e.g., elevate mulching drums) on site once temporary construction areas are no longer needed.
1772	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will use progressive restoration on site once staging areas are no longer needed and will prevent the ongoing use of inactive areas through combined use of physical control measures (i.e., rollback, remove of creek crossings, recontouring to surrounding topography, revegetation / reforestation and / or barriers at junctions with active access). • The owner / operator will commence and complete work that disturbs earth surfaces within a maximum of 20 calendar days. Commencement of such work shall be considered to have occurred when the original stabilizing ground cover has been removed, including grubbing, or has been covered with fill material. Completion of such work shall be considered to have occurred when the cover material (e.g., seed and mulch, seed and erosion control blanket, sod, rip-rap) has been applied. Where the timing of the work results in a conflict with the application requirements of the specified cover, the owner / operator shall determine appropriate interim measures that afford temporary protection until such a time as final cover can be applied.
1773	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will confine construction related vehicular traffic to the approved right-of-way, workspace and access roads or trails.

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1774	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator where will schedule construction activities in wet areas during frozen conditions, where possible.
1775	• Ungulates	• Construction	• Ministry of Natural Resources • Ministry of Environment, Conservation and Parks • Environment and Climate Change Canada • Fisheries and Oceans Canada • Ministry of Transportation	• The owner / operator will provide wildlife awareness training for road construction workers to reduce vehicle speeds and associated noise and dust emission levels.
1778	• Final EA / IS Section	• Operations and Maintenance	• Government / Agency – Provincial	• The owner / operator will follow the requirements of the MTO Class EA which exempts routine and emergency maintenance activities from completing an assessment.
1779	• Land and Resource Use	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will work with Ontario Parks during detail design to determine an appropriate setback to PPCRA boundaries for aggregate extractions so that extraction does not occur within the park so that the ecological integrity of the Albany River Provincial Park is maintained.
1780	• General	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will consult with the MNR to develop mitigation measures, monitoring programs and management plans related to potential impacts on MNR interests. The final measures and plans will be implemented in accordance with applicable legislative and permitting requirements.
1781	• Atmospheric Environment	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent of the Community Access Road will undertake additional air quality assessment work, as needed, to address MECP's technical comments on the MFCAR Final Atmospheric Environment Technical Support Document. Consultation with the MECP will occur to determine modeling requirements. The assessment will use five years of meteorological data provided by MECP to support identification of appropriate mitigation measures during detail design.
1782	• Community Well-Being	• Detail Design / Pre-Construction	• Government / Agency – Provincial	• The proponent will undertake characterization of aggregate sources and use this analysis to characterize the potential risk prior to use. Where potential contaminants of concern are identified, the proponent will engage with MECP to determine whether additional risk assessment and / or mitigation measures are required.
1783	• Accidents and Malfunctions	• Detail Design / Pre-Construction • Construction	• Indigenous Communities	• The proponent and / or owner / operator of the Community Access Road will develop and implement a Cultural Awareness and Community Engagement Plan in collaboration with Marten Falls First Nation.
1784	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction	• Kashechewan First Nation	• The proponent and owner / operator of the Community Access will continue to engage with Kashechewan First Nation and provide available existing conditions data from field study programs as such information becomes available during the detail design and construction phases of the Community Access Road.
1785	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Red Sky Métis Independent Nation	• The proponent and the owner / operator will provide Red Sky Métis Independent Nation with information regarding economic development opportunities associated with the detail design, construction, operation, and maintenance phases of the Community Access Road.
1786	• Aboriginal and / or Treaty Rights and Interests	• Detail Design / Pre-Construction • Construction • Operations and Maintenance	• Ministry of the Environment, Conservation and Parks • Indigenous Communities	• The proponent and / or owner / operator of the Community Access Road will consider the locations of drinking water sources and culturally or spiritually significant sites, as identified through engagement activities, regulatory requirements, environmental studies, and design development, when planning and implementing future field studies and construction-related activities during the detail design, construction, and maintenance phases, as applicable.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1790	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	- During construction the owner / operator will develop an on-site safety and emergency preparedness program to include: – Implement on-site fire suppression systems, including sprinklers and fire extinguishers, to minimize reliance on local fire services. – Provide on-site medical care (i.e., paramedics, first aid stations, medics) to reduce pressure on local emergency response services. – Train and employ on-site security personnel to monitor safety compliance and enforce safety policies, reducing the strain on local police. – Work with the Ministry of Health and other appropriate government agencies to develop a coordinated emergency response plan with local responders for efficient handling of construction-related incidents requiring additional personnel. – Establish emergency response plans, including clear communication protocols between the construction teams and local emergency responders.
1791	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	During construction, the owner / operator will monitor surface water quantity and quality parameters including but not limited to water taking and discharge rates, pH, total suspended solids, turbidity, temperature, dissolved oxygen, biochemical oxygen demand, and other contaminants of concerns as required. Monitoring of total suspended solids and / or turbidity instrumented measurements and / or visual observations and inspections will be completed by the owner / operator to confirm the presence or absence of oil or sheen.
1792	• Community Well-Being	• Detail Design / Pre-Construction • Construction	• Ministry of the Environment, Conservation and Parks	A construction groundwater monitoring program will be completed by the owner / operator to continue the pre-construction monitoring through construction activities to identify and quantify any impacts to groundwater levels or quality. Groundwater quality should be sampled at the monitoring stations at least monthly for the same parameters as the pre-construction monitoring.
1793	• Community Well-Being	• Construction	• Ministry of the Environment, Conservation and Parks	The owner / operator of the Community Access Road will implement a construction air quality monitoring program. An air monitoring station will be established within the Marten Falls First Nation Community during construction and, where appropriate, into operations. Monitoring results will be made available to the community to support awareness of air quality conditions, including periods of elevated particulate matter concentrations.
1795	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	- The proponent will determine specific monitoring locations during the permitting and detail design stages of the Project; however, it is expected that waterbodies of varying size (i.e., small, medium, large) would be captured, recognizing that this would allow the performance / effectiveness of mitigation and enhancement measures to be evaluated. - During operations, the owner / operator will monitor water quality, sediment quality, and streamflow conditions at waterbodies that include greater sensitivity or implication to change from the standpoint of fish habitat, species at risk, channel stability, drainage pattern, or other environmental considerations. Monitoring of surface water quantity and quality parameters will include but are not limited to water taking and discharge rates, pH, total suspended solids, turbidity, temperature, dissolved oxygen, biochemical oxygen demand, and other contaminants of concerns as required). Monitoring will also include total suspended solids and / or turbidity instrumented measurements and / or visual observations, as well as visual inspections to confirm the presence or absence of oil or sheen.
1796	• Community Well-Being	• Operations and Maintenance	• Ministry of the Environment, Conservation and Parks	- During operation, it is recommended that the owner / operator consider input gathered through other technical monitoring programs specific to potential air quality concerns (i.e., potential dust deposition on vegetation) and evaluate for future mitigation or monitoring options. - An air monitoring station should be set up by the owner / operator in the Marten Falls First Nation Community throughout the construction phase and into the operation phase. Air monitoring in the community should have transparency in data to allow sensitive individuals to be aware of levels and remain inside during times of high particulate concentrations.

ID	Valued Component	Project Phase	Concerned Agencies / Parties	Mitigation, Protection, Monitoring, and Study Commitments to be Carried Forward
1797	Cultural Heritage and Resources	Detailed Design / Pre-Construction	- Ministry of Heritage, Sport, Tourism and Culture Industries - Indigenous Community	The proponent will continue engagement and consultation with Marten Falls First Nation and other potentially affected Indigenous communities throughout detailed design, permitting, and construction planning to identify and consider culturally significant lands and cultural values that may be affected by the Project. If the Marten Falls First Nation Community Based Land Use Plan is approved before or during Project implementation, the proponent will review applicable Project approvals and authorizations and address any requirements under applicable legislation, including the Public Lands Act, related to consistency with the approved plan.
1798	Cultural Heritage and Resources	Detailed Design / Pre-Construction	Ministry of Heritage, Sport, Tourism and Culture Industries	If the Mid-Albany Cultural Heritage Landscape is confirmed as a Provincial Heritage Property of Provincial Significance, the proponent will consult with the Ministry of Citizenship and Multiculturalism to determine whether Minister's Consent under Section 3 of the Ontario Heritage Act is required for any Project activities that may affect the cultural heritage landscape, including the demolition, removal, alteration, or transfer of heritage resources. Any required approvals or consents will be obtained prior to undertaking the applicable activities.
1799	Cultural Heritage and Resources	Detailed Design / Pre-Construction	- Ministry of Heritage, Sport, Tourism and Culture Industries - Indigenous Community	- If adverse effects to the Mid-Albany Cultural Heritage Landscape cannot be avoided through Project design, a Heritage Impact Assessment (HIA) will be completed during detailed design and prior to construction activities that may affect the cultural heritage landscape. The HIA will: - Assess potential direct, indirect, cumulative, and residual effects of the Project on the cultural heritage landscape; - Identify mitigation measures and recommendations to conserve identified cultural heritage values and heritage attributes; - Include engagement with affected Indigenous communities regarding cultural heritage values, heritage attributes, and Project-specific effects; - Be prepared in accordance with Ministry of Citizenship and Multiculturalism guidance, including Information Bulletin 3: Heritage Impact Assessments for Provincial Heritage Properties (2017); and - Be provided to the Ministry of Citizenship and Multiculturalism and the Ministry of Natural Resources for review and comment, including confirmation of any requirement for Minister's Consent under the Ontario Heritage Act.

