Table 7.3.1-1: Summary of Valued Components (VCs) and Residual Adverse Effects

Discipline	Valued Components (VCs)	Indicators	Residual Adverse Effects
Terrain and soils	Natural landscapes	Viewscapes	Yes
	Overburden	Erosion of disturbed overburden	_
	Soil chemistry	Changes in soil chemistry	_
Geology and Geochemistry	Pit lake water quality	Concentrations of indicator compounds	Yes
	Environmental noise levels	Equivalent noise levels, L _{EQ}	Yes
Noise	Noise disturbance to wildlife (including SAR)	Area predicted L _{EQ} above 50 dBA	Yes
	Disating pains and dispetion	Peak sound pressure level	Yes
	Blasting noise and vibration	Peak particle velocity	Yes
Noise	Naise valeted be alth effects	Absolute sound pressure, L _{DN}	Yes
(continued)	Noise related health effects	Percent highly annoyed, %HA	Yes
Light	Light trespass	Ambient light levels	_
Air quality	Air quality	Concentrations of indicator compounds	Yes
Oliverte	Project GHG emissions	Annual equivalent carbon dioxide emissions (eCO ₂)	Yes
Climate	Changes in climate due to	Changes in annual temperature	_
	the Project	Changes in annual precipitation	_
Surface water quality	Surface water quality	Concentrations of indicator compounds	Yes
	Surface water quantity	Increase in surface water flows	Yes
Surface water quantity		Decrease in surface water flows	Yes
		Change in lake levels	_
Groundwater quality	Groundwater quality	Concentrations of indicator compounds	_
Groundwater quantity	Groundwater quantity	Decrease in groundwater elevations in private water wells	_
	Wildlife Species at Risk	Common Nighthawk	Yes
		Northern Myotis/Little Brown Myotis	Yes
		Barn Swallow	Yes
	Ungulates	Moose	Yes
	Furbearers	American Marten	Yes
Wildlife and wildlife habitat	ruibealeis	American Beaver	Yes
	Upland birds	Upland birds	Yes
	Wetland birds	Marsh birds	Yes
	Small mammals	Small mammals	Yes
	Reptiles and amphibians	Reptiles and amphibians	Yes
	Invertebrates	Terrestrial invertebrates	Yes
Migratory Birds	Upland birds	Upland birds	Yes
mgratory bildo	Wetland birds	Marsh birds	Yes
Fish and fish habitat	Stream-resident fish	Direct loss or alteration of habitat	Yes
ו ופוו מווע וופוו וומטונמנ	populations	Changes in flows or water levels	





Table 7.3.1-1: Summary of Valued Components (VCs) and Predicted Residual Effects (continued)

Discipline	Valued Components (VCs)	Indicators	Residual Adverse Effects
		Changes in water quality	_
		Blasting	_
		Direct loss or alteration of habitat	_
		Changes in flows or water levels	_
	Migratory fish populations	Changes in water quality	_
		Blasting	_
		Direct loss or alteration of habitat	_
	Lake-resident fish	Changes in flows or water levels	_
	populations	Changes in water quality	_
Fish and fish habitat		Blasting	_
(continued)		Direct loss or alteration of habitat	_
	Fish species-at-risk	Changes in flows or water levels	_
	Fish species-at-lisk	Changes in water quality	_
		Blasting	_
		Wetland extent	Yes
	Wetlands	Wild rice	_
		Floating Marsh Marigold (Caltha natans)	_
Wetlands and vegetation		Predominantly coniferous forest	Yes
	Vegetation communities	Predominantly deciduous forest	Yes
		Successional areas	Yes
		Potential berry harvesting areas	Yes
Land use	Land Use Planning and Policies	Conflict with accepted land uses as stipulated in approved land use plans.	_
	1 Olloles	Overlap with protected areas.	
		Change in access to aggregate resources.	
	Aggregate Operations	Change in demand of aggregate resources extraction.	_
	Forestry	Change in access to forestry resources.	_
		Loss of forestry resources.	Yes
	Mineral Exploration	Change in access to mineral claims for exploration and production.	
		Change in access to fisheries resources.	
	Fishing - Recreational and Commercial	Change in the abundance of fisheries resources.	_
		Change in contaminant levels in fish	_
		Diminished experience of being on the land.	Yes
	Hunting	Change in access to wildlife resources.	Yes





Table 7.3.1-1: Summary of Valued Components (VCs) and Predicted Residual Effects (continued)

Discipline	Valued Components (VCs)	Indicators	Residual Adverse Effects
		Change in abundance of wildlife resources.	Yes
		Diminished experience of being on the land	Yes
		Change in access to wildlife resources.	Yes
	Trapping	Change in abundance of wildlife resources.	Yes
		Diminished experience of being on the land	Yes
	Cottagers and Outfitters	Diminished experience of being on the land.	Yes
	Cottagers and Outfitters (continued)	Change in access to cottage and/or outfitter areas.	_
		Changes in clientele for outfitters with lodges located near the Project.	Yes
Land use (continued)	Other Recreational Uses	Change in access for residents and visitors to public lands for non-consumptive purposes	_
(continued)		Change in access for residents and visitors to public lands for consumptive purposes.	Yes
		Change in abundance of berries, mushrooms and/or other vegetation used for consumption	Yes
		Diminished experience of being on the land.	Yes
	Population demographics	Population change	Yes
		Capacity of education services	Yes
	Education	Education attainment	Yes
		Project-specific Training	Yes
		Municipal Services	Yes
Social	Infrastructure and services	Community services (e.g., health, social services)	Yes
	Housing and property	Housing availability	Yes
	values	Property values	Yes
	(Crime rate	Yes
	Public safety	Capacity of emergency services	Yes
		Requests for emergency services by Project	Yes
	Transportation and traffic	Road network capacity and conditions	Yes
	Labour force, labour participation and employment	Labour income employment	Yes
Fagnamia	Income levels	Income levels and categories	Yes
Economic	Cost of living	Current prevailing cost of living	Yes
	Real estate	Housing prices and affordability	Yes
	Economic development	Municipal taxes and contribution to economic development projects	Yes

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Table 7.3.1-1: Summary of Valued Components (VCs) and Predicted Residual Effects (continued)

Discipline	Valued Components (VCs)	Indicators	Residual Adverse Effects
	Existing businesses	Local business availability	Yes
	Government revenues	Taxes and revenues	Yes
		Subsurface/Construction Worker	_
		Outdoor Worker	_
Human health	Non-Indigenous Human Health	Indoor Worker	_
	i leaiti i	Site Visitor, or Harvester	_
		Resident	_
		Resident	_
		Site Visitor, or Harvester	_
Human health	Indigenous Human Health	Subsurface/Construction Worker	_
(continued)		Outdoor Worker	_
		Indoor Worker	_
11. 26	Archaeological sites	Archaeological sites	_
Heritage resources	Historic heritage sites	Historic heritage sites	_
	Human Health	Risk Assessment for Indigenous Human Health	_
		Wild rice	_
		Berry Harvesting	Yes
	Harvesting and gathering of plant material	Medicinal plant harvesting	Yes
	piant material	Changes in access	Yes
		Diminished on-the-land experience	Yes
		Ungulates	Yes
		Furbearers	Yes
	Hunting	Waterfowl	Yes
Aloch Soul Books		Changes in access	Yes
		Diminished on-the-land experience	Yes
Aboriginal Peoples		Furbearers	Yes Yes
	Trapping	Changes in access	Yes
		Diminished on-the-land experience	Yes
		Sport fish	_
		Baitfish	_
	Fishing	Commercial fishing	_
		Changes in access	_
		Diminished on-the-land experience	Yes
		Cultural or spiritual sites	_
	Cultural and spiritual	Traditional Travel routes	_
		Diminished on-the-land experience	Yes



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Table 7.3.1-1: Summary of Valued Components (VCs) and Predicted Residual Effects (continued)

	Discipline	Valued Components (VCs)	Indicators	Residual Adverse Effects
		Ossis seemenis factors	Economic effects	Yes
Socio-economic factors	Socio-economic factors	Social effects	Yes	

Note: The "—" symbol denotes where no residual adverse effects were predicted for the discipline, VC and indicator. This could represent situations where no adverse effects were predicted, or where predicted adverse effects were fully mitigated, as detailed in Sections 6.2 through 6.21.



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Table 7.3.1-1: Summary of Valued Components (VCs) and Predicted Residual Effects (continued)