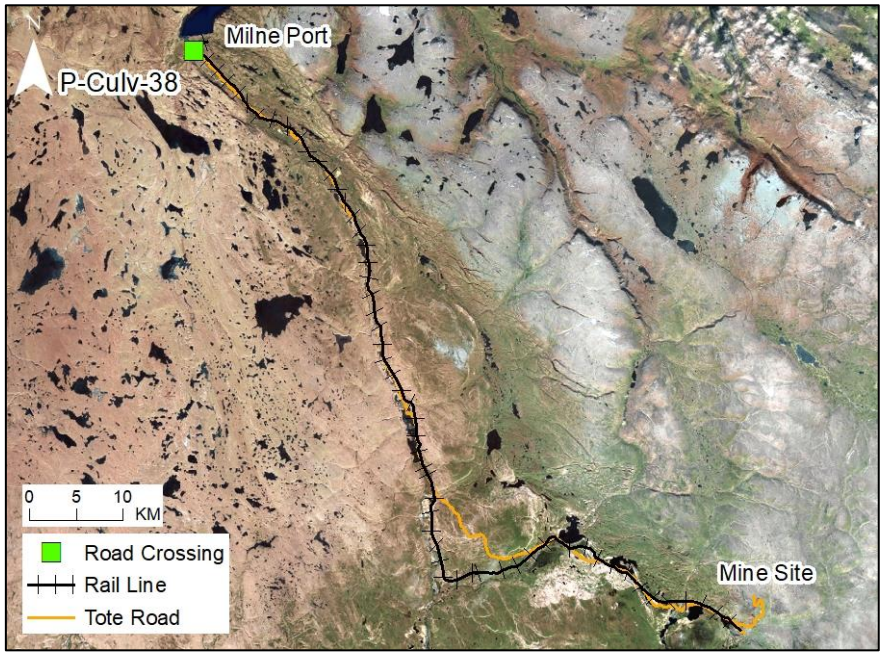
PORT SITE P-CULV-38

LOCATION AND CROSSING DESCRIPTION

Site ID:	P-Culv-38	**Dates Surveyed:**	18-Jun-19	**Waterbody Type:**	Pond
Project Interaction:	Pond Encroachment + Culvert	**Centreline UTM Coordinates:**	17W 503068 E 7974713 N	**Culvert Length (m):**	25.35
Number of Barrels:	1	**Culvert Diameter/Span (mm):**	1200	**Slope (%):**	0.2

GENERAL PHYSICAL CHARACTERISTICS

Surface Area (m^2):	5,537	**Shoreline Length (m):**	561	**Drainage Basin Area (m^2):**	0.048
Maximum Depth (m):	0.5 (estimated)			**Mean Depth (m):**	-



SUMMARY

Port area infrastructure includes a pond encroachment and culvert installation at the north end of pond P-Culv-38. The pond is shallow with soft, fine sediment throughout and small amounts of cobble in nearshore habitat. Inflows to the pond are largely diffuse. The outflow is a small stream with multiple subsurface flow barriers that drains the pond north to Phillips Creek.

Three subsurface flow barriers were identified during spring 2019, two of which were determined to be permanent and the third likely seasonal. These barriers prevent fish access to the pond at P-Culv-38 from Phillips Creek downstream. The pond is fishless and lacks connectivity to other waterbodies. This pond does not provide fish habitat.

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BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Downstream	503013	7974723	SSF					Permanent barrier: No surface water and no channel at the outflow	A
Downstream	502951	7974755	SSF					Seasonal barrier: No surface water	B
Downstream	502829	7975028	SSF					Permanent barrier: No surface water and no channel connecting to Phillips Creek	C

A

B

C

PORT SITE P-CULV-38

FISH HABITAT POTENTIAL

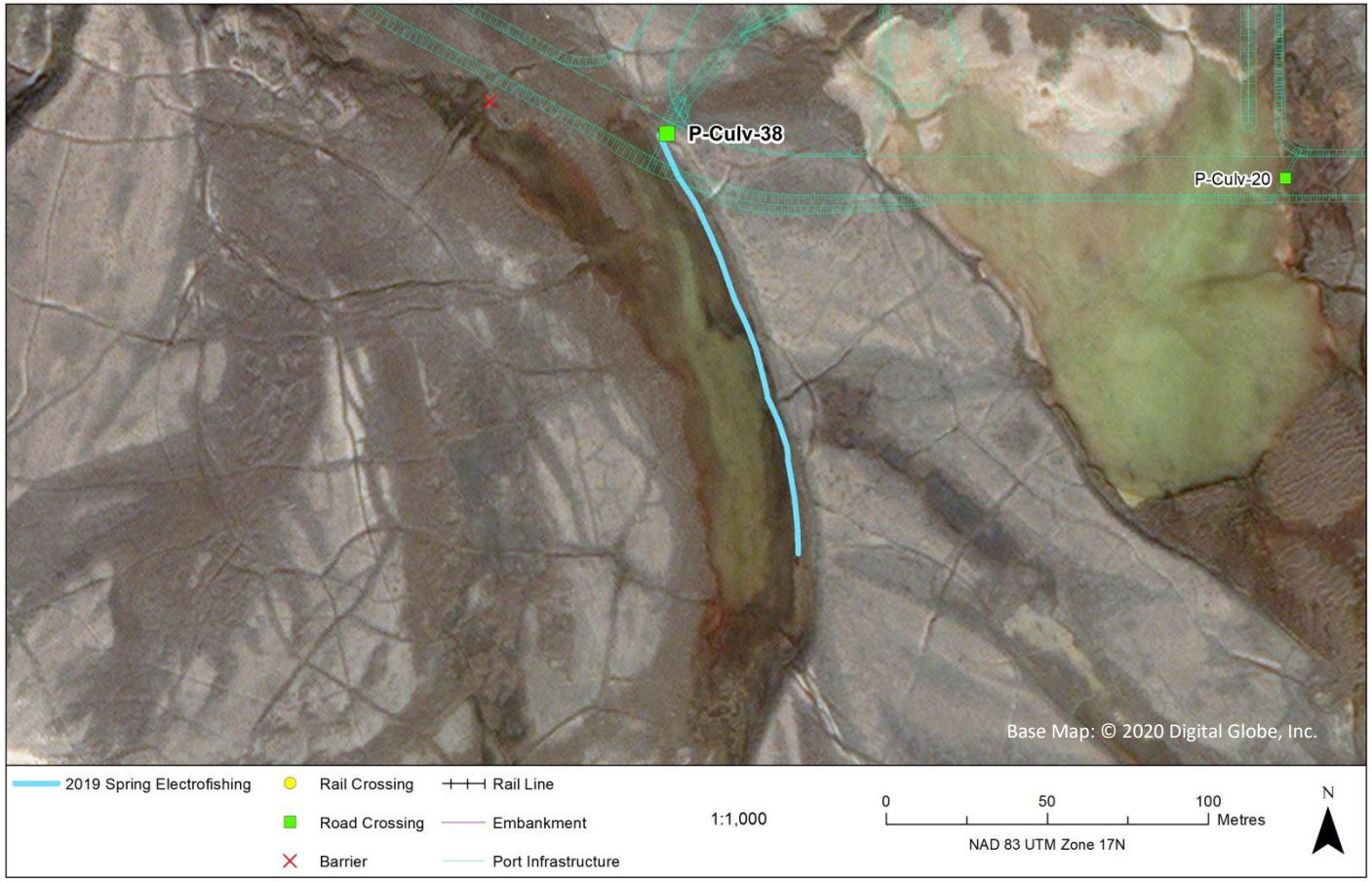
Nearest Potential Overwintering Habitat - ARCH: Milne Inlet

Distance to Nearest Potential Overwintering Habitat - ARCH (km): 2.0

Overwintering Habitat Upstream of Site - ARCH (Y/N): No

Species	Spawning	Overwintering	Rearing	Adults Present
ARCH	N	N	N	N
NNST	N	N	N	N

FISHING SITES



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FISHERIES DATA

Date:	18-Jun-19	**Temperature (°C):**	8.0	**Gear Used:**	Backpack ElectrofisherVisual
Distance Fished (m):	120	**Duration Fished (seconds):**	185		

Species	Season	Effort (Seconds)	Fish Captured	Fish Observed	CPUE (No. Fish/60 Seconds)	Length Range (mm)
ARCH	Spring	185	0	0	-	-
NNST	Spring	185	0	0	-	-

ENCROACHMENT/INFILL HABITAT

Area	Fines (%)	Gravel (%)	Small Cobble (%)	Large Cobble (%)	Boulders (%)
Nearshore	95	0	5	0	0
Offshore	100	0	0	0	0

OTHER NOTES/OBSERVATIONS

No fish were captured via electrofishing or observed in the pond in spring 2019. Due to the downstream barriers preventing access from Phillips Creek, the pond does not provide fish habitat.

PORT SITE P-CULV-38

18-JUN-19

A

B

C

Photos 1. Photos of the pond in spring: (A) looking north; (B) looking east; and (C) looking at nearshore substrate.