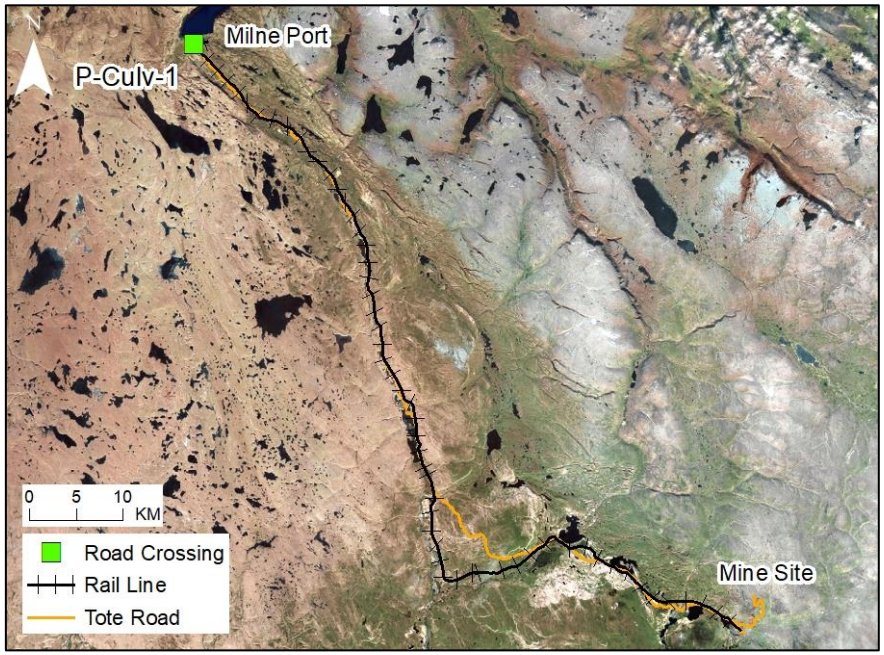
PORT SITE P-CULV-20

LOCATION AND CROSSING DESCRIPTION

Site ID:	P-Culv-20	**Dates Surveyed:**	18-Jun-19; 2-Sep-20	**Waterbody Type:**	Pond
Project Interaction:	Pond Infilling + Culvert	**Centreline UTM Coordinates:**	17W 503260 E 7974699 N	**Culvert Length (m):**	22.092
Number of Barrels:	1	**Culvert Diameter/Span (mm):**	900	**Slope (%):**	1.3

GENERAL PHYSICAL CHARACTERISTICS

Surface Area (m^2):	12,943	**Shoreline Length (m):**	593	**Drainage Basin Area (m^2):**	-
Maximum Depth (m):	0.5 (estimated)			**Mean Depth (m):**	-



SUMMARY

Port area infrastructure includes infilling a portion of a pond at site P-Culv-20. The pond is shallow with soft, fine sediment offshore and cobble/fine substrate in nearshore habitat. The inflow at the south end of the pond is a diffuse marshy area at its confluence that collects water from hills to the southeast. Prior to construction of laydowns LP3 and LP5, this pond was intermittently connected to three other ponds to the north, none of which were connected to Phillips Creek; they were an isolated group of ponds. These ponds were completely infilled by the laydown areas constructed in 2019. Pond P-Culv-20 now drains underneath these existing laydown areas.

There is no downstream connectivity and no fish habitat in this pond.

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BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Downstream	503206	7974779	SSF					Permanent barrier: Existing laydown area	A

A

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FISH HABITAT POTENTIAL

Nearest Potential Overwintering Habitat - ARCH: None

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

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

PORT SITE P-CULV-20

FISHERIES DATA

Date: 18-Jun-19 **Temperature (°C):** 8.0 **Gear Used:** Backpack Electrofisher/Visual

Distance Fished (m): 200 **Duration Fished (seconds):** 243

Species	Season	Effort (Seconds)	Fish Captured	Fish Observed	CPUE (No. Fish/60 Seconds)	Length Range (mm)
ARCH	Spring	243	0	0	-	-
NNST	Spring	243	0	0	-	**-**

Date: 02-Sep-20 **Temperature (°C):** - **Gear Used:** Visual

Distance Fished (m): Entire pond **Duration Fished (seconds):** -

Species	Season	Effort (Seconds)	Fish Captured	Fish Observed	CPUE (No. Fish/60 Seconds)	Length Range (mm)
ARCH	Fall	n/a	0	0	-	-
NNST	Fall	n/a	0	0	-	**-**

ENCROACHMENT/INFILL HABITAT

Area	Fines (%)	Gravel (%)	Small Cobble (%)	Large Cobble (%)	Boulders (%)
Nearshore	20	0	80	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 or fall 2020. There was no natural access from Phillips Creek prior to laydown construction and now the pond outflow is beneath the laydowns. No fish habitat in this pond.

PORT SITE P-CULV-20

18-JUN-19; 02-SEP-20

A

B

C

D

Photos 1. Photos at the site in spring 2019 (top) and fall 2020 (bottom): (A) looking south; (B) looking north; (C) looking at the drainage ditch outflow prior to laydown construction; and (D) looking upstream at the pond's inflow, (E) looking downstream (north) from the inflow; and (F) the outflow drainage post-construction.