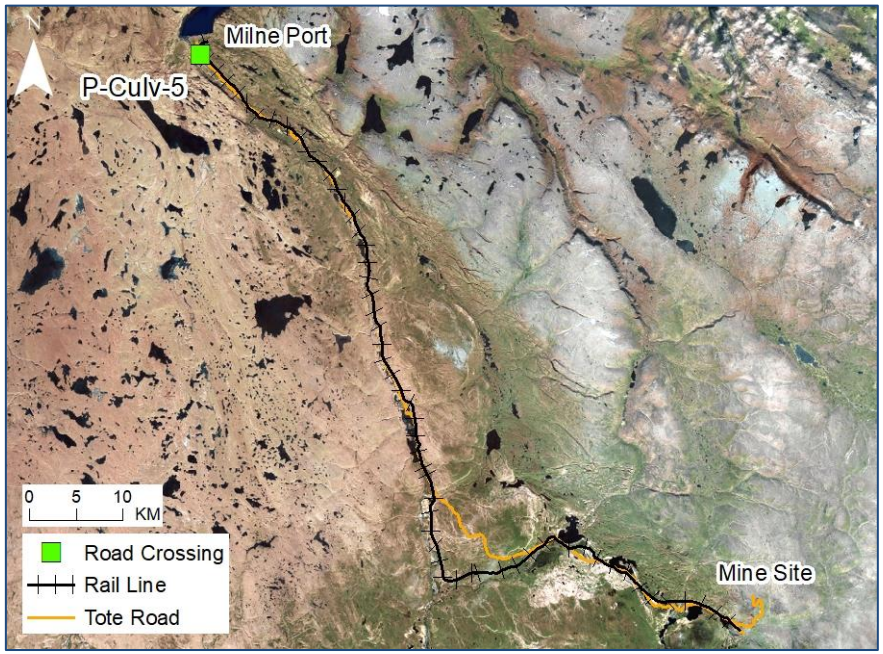
PORT SITE P-CULV-5

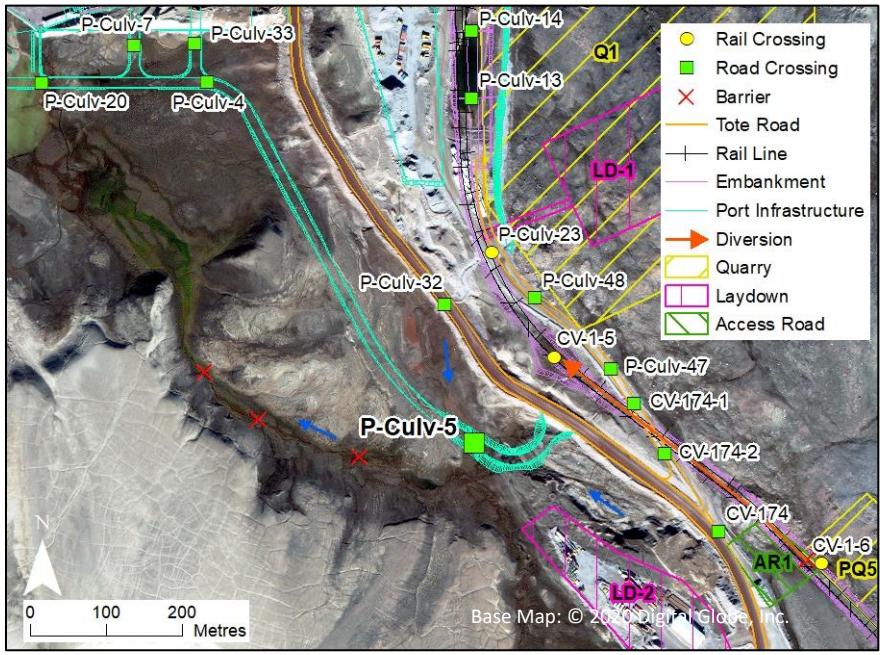
LOCATION AND CROSSING DESCRIPTION

Site ID:	P-Culv-5	**Dates Surveyed:**	18-Jun-19	**Waterbody Type:**	Stream/Pond
Project Interaction:	Port Site Stream + Pond Infilling	**Centreline UTM Coordinates:**	17W 503832 E 7974223 N	**Culvert Length (m):**	45.2
Number of Barrels:	2	**Culvert Diameter/Span (mm):**	1200	**Slope (%):**	0.5

GENERAL PHYSICAL CHARACTERISTICS

Flow Regime: Intermittent **Stream Order:** 1 **Drainage Basin Area (km^2):** -





SUMMARY

Site P-Culv-5 is a culvert installation and partial pond infill on a proposed access road at the port site. The site receives water from two branches; the north where it is crossed by P-Culv-32 and the southeast where it is crossed by the Tote Road at CV-174 and the rail at CV-1-6 with a proposed access road corridor (AR1) between the two that includes a portion of this branch. The pond infill is on the north branch at its confluence with the southeast branch. This stream is the inflow to the pond at P-Culv-20, approximately 1 km to the northwest. The stream channel is relatively poorly defined with flows often diffuse over terrestrial vegetation. The pond infill area is shallow (<0.20 m), with fine substrate with occasional small cobble.

There are several small vertical drops downstream that combine with shallow water to act at least as seasonal barriers to fish movement in the stream. In addition, there is no surface water outflow of the downstream pond at P-Culv 20 and no connectivity with Phillips Creek/Milne Inlet. Barriers downstream and lack of connectivity to overwintering habitat prevent fish use of habitat at P-Culv-5.

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BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Downstream	503680	7974206	VD	SHALL		0.2		Potential permanent barrier: Small vertical drop with shallow water	A
Downstream	503547	7974255	VD	SHALL		0.2		Potential permanent barrier: Small vertical drop with shallow water	B
Downstream	503475	7974318	VD	SHALL		0.45		Potential permanent barrier: Moderate vertical drop with shallow water	C

A

B

C

PORT SITE P-CULV-5

FISH HABITAT POTENTIAL

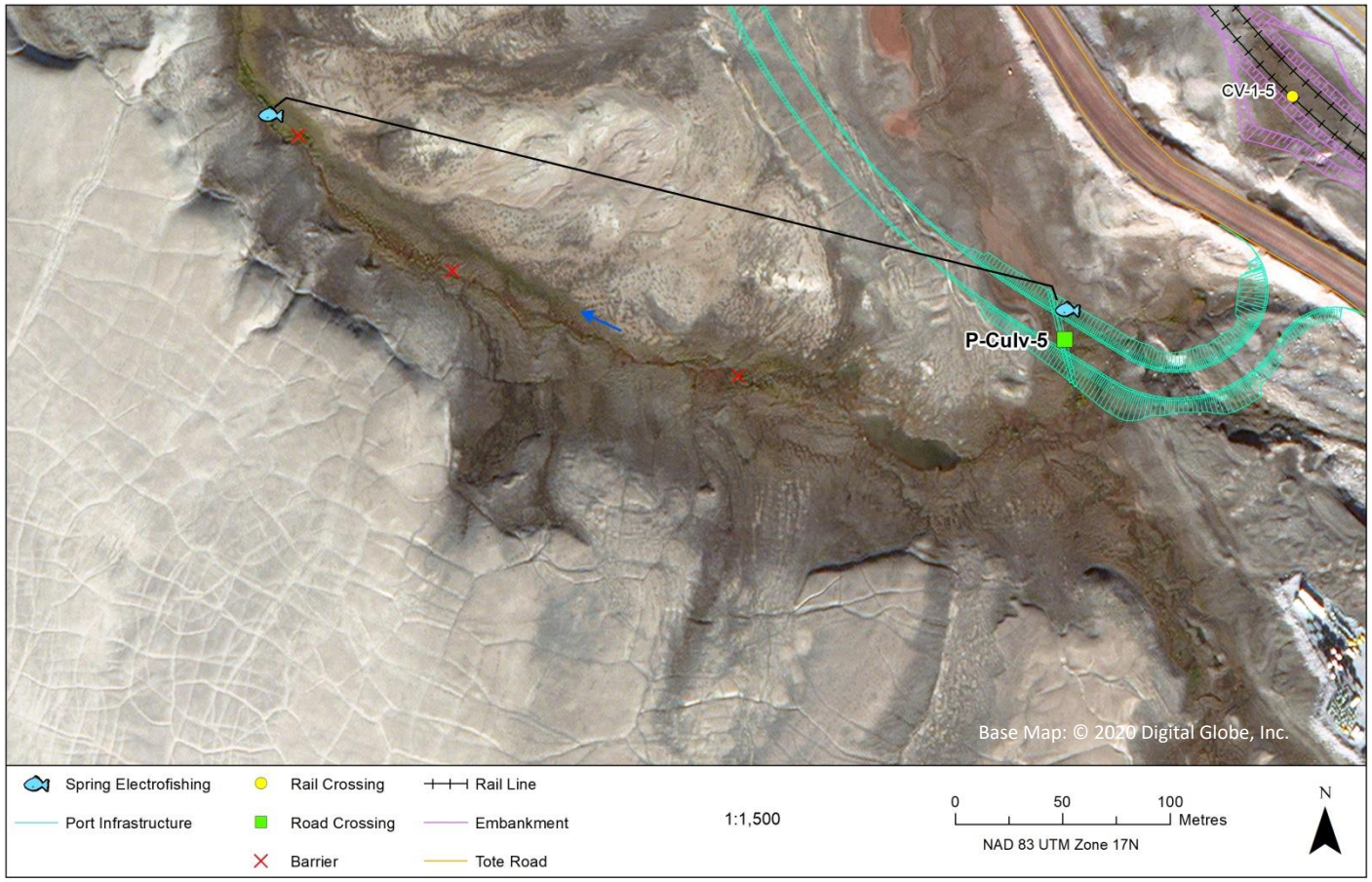
Nearest Potential Overwintering Habitat - ARCH: None

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



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FISHERIES DATA

Date:	18-Jun-19	**Temperature (°C):**	8.0	**Gear Used:**	Backpack Electrofisher/Visual
Distance Fished (m):	120	**Duration Fished (seconds):**	65		

Species	Season	Effort (Seconds)	Fish Captured	Fish Observed	CPUE (No. Fish/60 Seconds)	Length Range (mm)
ARCH	Spring	65	0	0	-	-
NNST	Spring	65	0	0	-	**-**

COMMENTS

Most of this stream had insufficient depths for electrofishing in spring 2019. Deeper pools among the terrestrial vegetation were fished. No fish were observed or captured. There is no connectivity to overwintering habitat and the site is not fish-bearing.

PORT SITE P-CULV-5

18-JUN-19

A

B

Photos 1. Photos taken of port site P-Culv-5 site in spring: (A) facing upstream; (B) facing across (from left bank looking towards right bank); and (C) across the pond infill on the north branch.