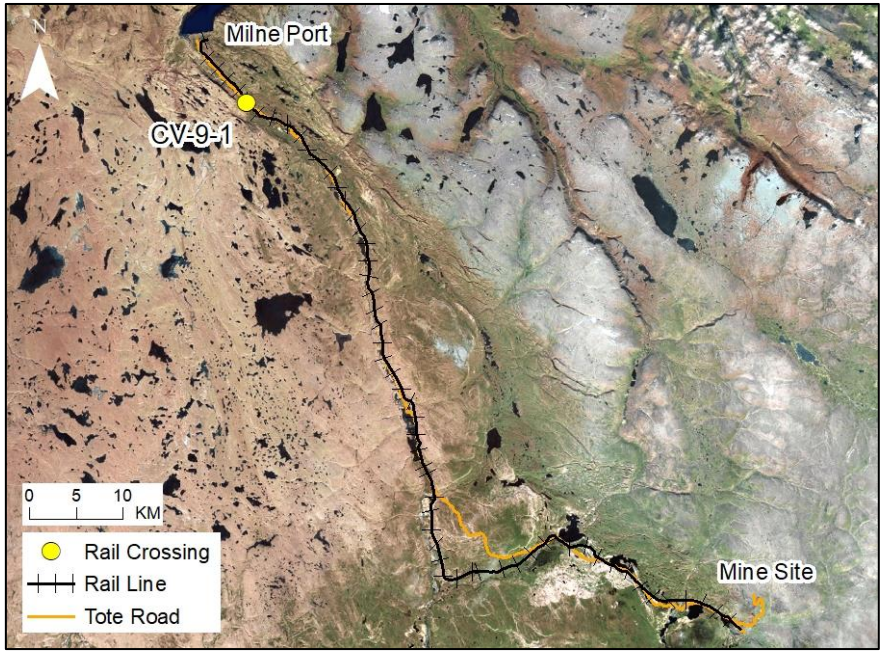
RAIL CV-9-1

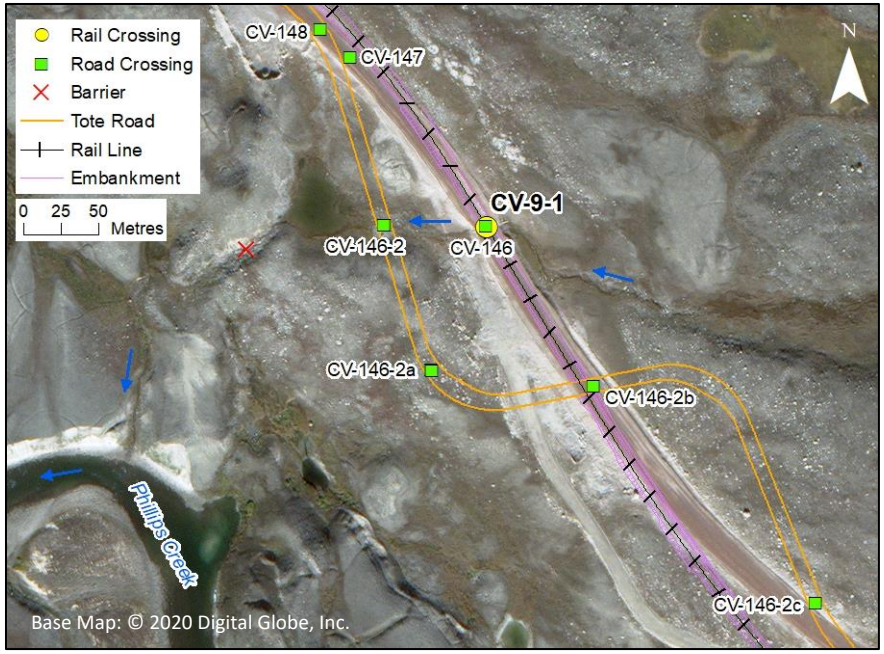
LOCATION AND CROSSING DESCRIPTION

Site ID:	CV-9-1	**Dates Surveyed:**	16-Jun-19 and 27-Jun-19	**Waterbody Type:**	Stream
Project Interaction:	Rail Culvert	**Centreline UTM Coordinates:**	17W 508806 E 7968873 N	**Culvert Length (m):**	12
Number of Barrels:	1	**Culvert Diameter/Span (mm):**	1500	**Slope (%):**	1

GENERAL PHYSICAL CHARACTERISTICS

Flow Regime:	Intermittent	**Stream Order:**	3	**Drainage Basin Area (km^2):**	1.132





SUMMARY

The North Rail crosses a small, unnamed intermittent stream at CV-9-1 that overlaps with the existing Tote Road and crossing CV-146. The stream drains 100 m west to a pond measuring approximately 1,500 m^2 that is of insufficient depth to support overwintering, and ultimately to Phillips Creek. There was little water present at the crossing centerline in spring 2019 and no fish were observed within the surveyed reach.

There is a permanent barrier to upstream fish passage including steep gradient with boulders and vertical drops located approximately 30 m downstream (southwest) of the pond.

The crossing does not provide fish habitat due to the permanent downstream barrier and the absence of upstream overwintering habitat.

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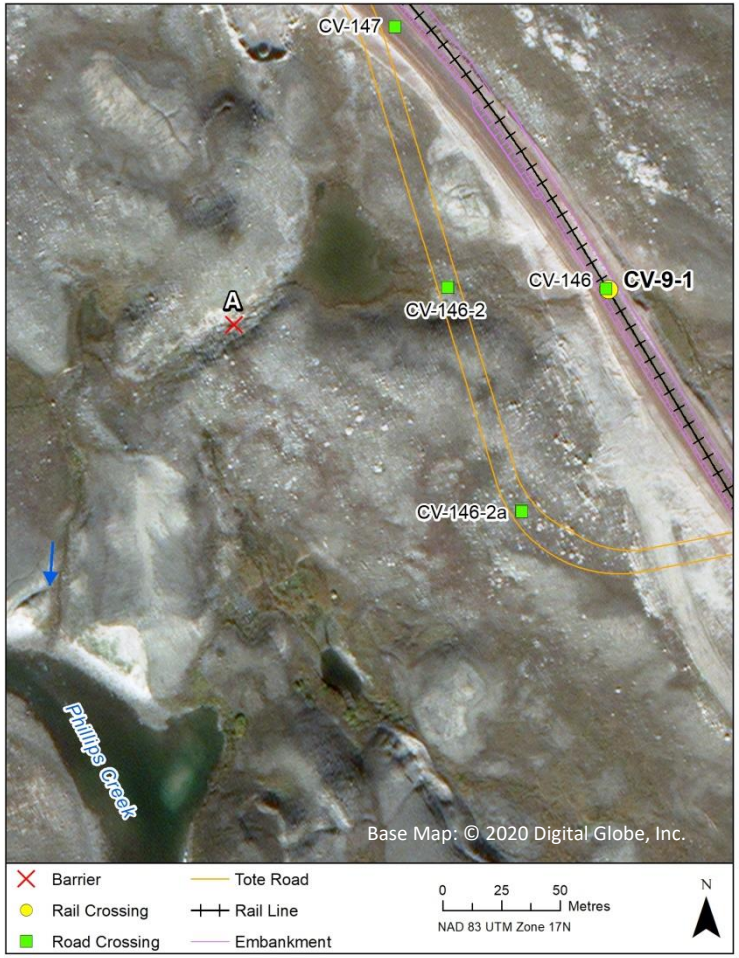
BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Downstream	508647	7968858	VD	HG	B	>1	26	Permanent Barrier: Steep incline and boulder field with vertical drop; shared with CV-146-2	A



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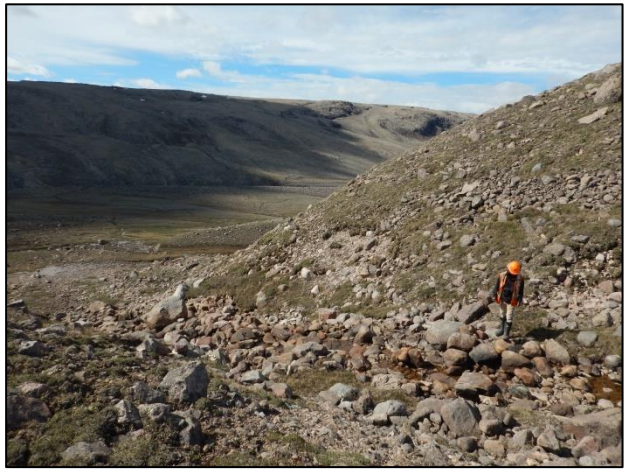

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FISH HABITAT POTENTIAL

Nearest Potential Overwintering Habitat - ARCH: Milne Inlet

Distance to Nearest Potential Overwintering Habitat - ARCH (km): 13.1

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

FISHERIES DATA

Date: 16-Jun-19

Temperature (°C): NR

Gear Used: Visual

Distance Fished (m): N/A

Duration Fished (seconds): N/A

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

COMMENTS

The crossing centerline is on the existing Tote Road. A visual fish survey was conducted upstream and downstream of the road in spring 2019. There is a shallow pond downstream of the crossing, but it is of insufficient depth for overwintering. The site does not provide fish habitat due to a high gradient barrier downstream of the road the absence of upstream overwintering habitat.

RAIL CV-9-1

16-JUN-19

A

B

C

D

Photos 1. Photos taken at the crossing centreline in spring 2019: (A) facing upstream; (B) facing downstream; and (C) across (looking south). Shallow pond located between the crossing and the downstream barrier to fish passage (D).