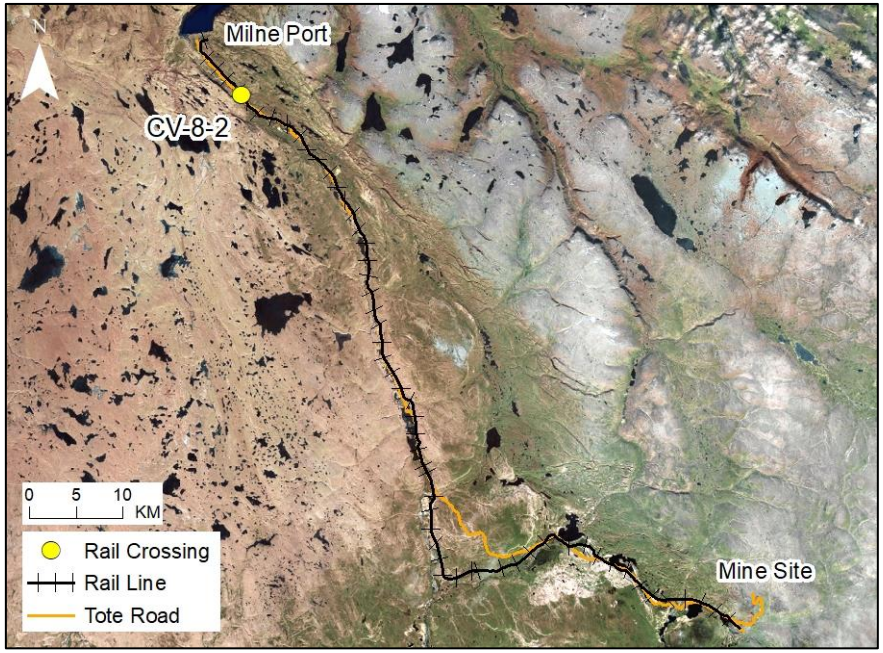
RAIL CV-8-2

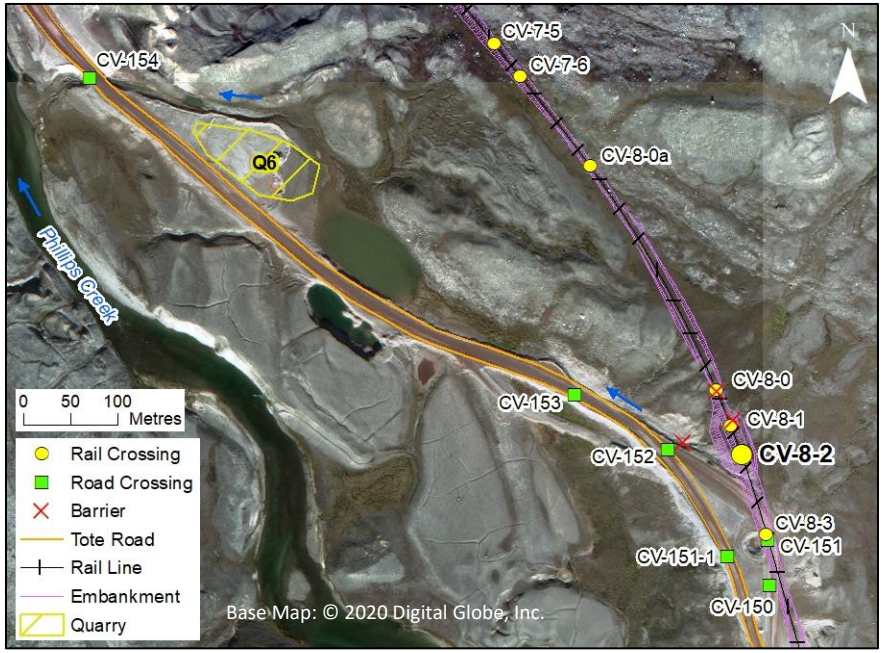
LOCATION AND CROSSING DESCRIPTION

Site ID:	CV-8-2	**Dates Surveyed:**	16-Jun-19; 2-July-19	**Waterbody Type:**	Stream
Project Interaction:	Rail Culvert	**Centreline UTM Coordinates:**	17W 508316 E 7969678 N	**Culvert Length (m):**	44
Number of Barrels:	1	**Culvert Diameter/Span (mm):**	1200	**Slope (%):**	5

GENERAL PHYSICAL CHARACTERISTICS

Flow Regime:	Intermittent	**Stream Order:**	1	**Drainage Basin Area (km^2):**	0.414





SUMMARY

The rail crosses a drainage at site CV-8-2. The drainage consists of some permafrost slumping that created a flowpath for local snow melt on 16 June 2019, but which had completely dried up by 2 July 2019. This meltwater flows into a roadside ditch that collects surface twater from the area and that diverts water towards a pond to the northwest and eventually a culvert crossings at CV-154. There are no existing culverts at CV-152 or CV-153. The drainage ditch is steep with some patches of subsurface flow under cobble creating a permanent barrier to fish passage.

There is no fish habitat at this crossing.

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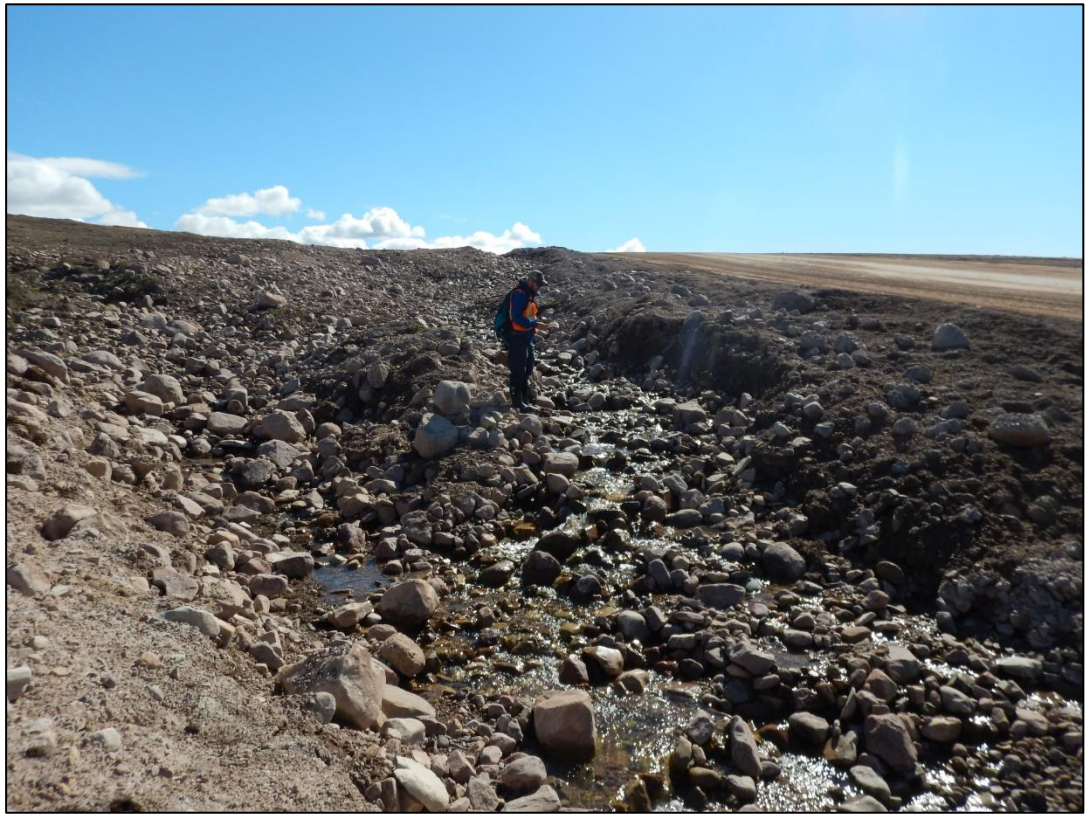
BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
At crossing and downstream	508255	7969691	HG	SSF			>10	Permanent Barrier: High gradient and subsurface flow where drainage meets roadside diversion ditch	A



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FISH HABITAT POTENTIAL

Nearest Potential Overwintering Habitat - ARCH: N/A

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

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	0	0	-	-
NNST	Spring	N/A	0	0	-	-

COMMENTS

The site was of insufficient depth for electrofishing in spring 2019. There were no fish in the wetted areas on 16 June and the channel was completely dry on 2 July 2019. There is no downstream connectivity to other waterbodies due to permanent barriers in the artificial diversion ditch and no fish habitat at this crossing.

RAIL CV-8-2

15-JUN-19

A

B

C

Photos 1. Photos taken in spring 2019: (A) at the crossing centreline 16 June facing east; (B) at the nearby channel facing downstream on 16 June; and (C) at the nearby channel facing upstream on 2 July 2019