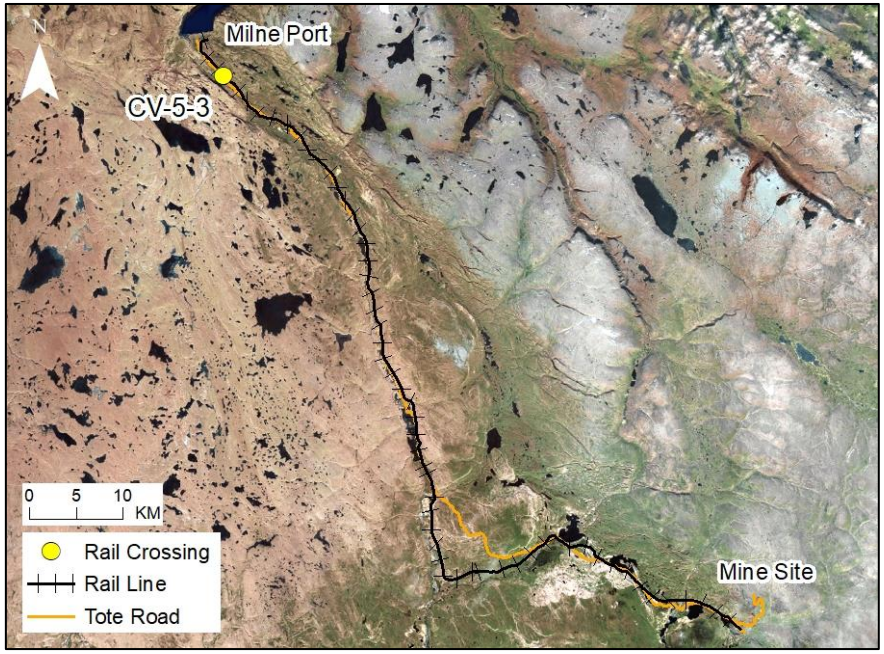
RAIL CV-5-3

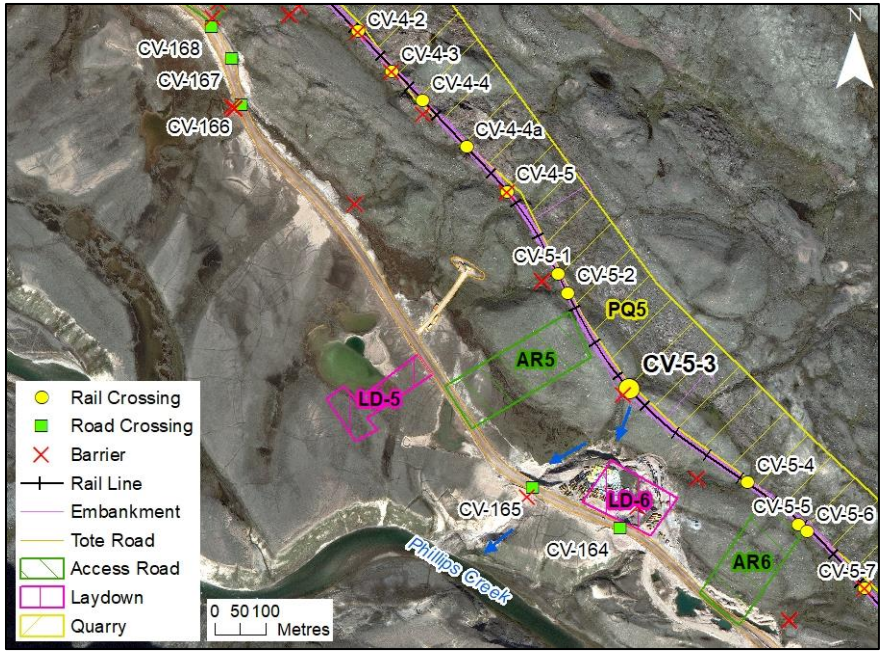
LOCATION AND CROSSING DESCRIPTION

Site ID:	CV-5-3	**Dates Surveyed:**	15-Jun-19	**Waterbody Type:**	Stream
Project Interaction:	Rail Daylight + Culvert	**Centreline UTM Coordinates:**	17W 506308 E 7971808 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 (km²):**	1.088





SUMMARY

The North Rail crosses an unnamed intermittent stream at CV-5-3 located approximately 320 m northeast of Tote Road crossing CV-165. The stream discharges to Phillips Creek approximately 280 m southwest of the Tote Road. Habitat is mainly cascade pool over cobble substrate.

The stream has a high gradient near the rail crossing with occasional vertical drops between the rail and road; these features are permanent barriers to fish passage and prevent fish access to the crossing area from Phillips Creek.

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

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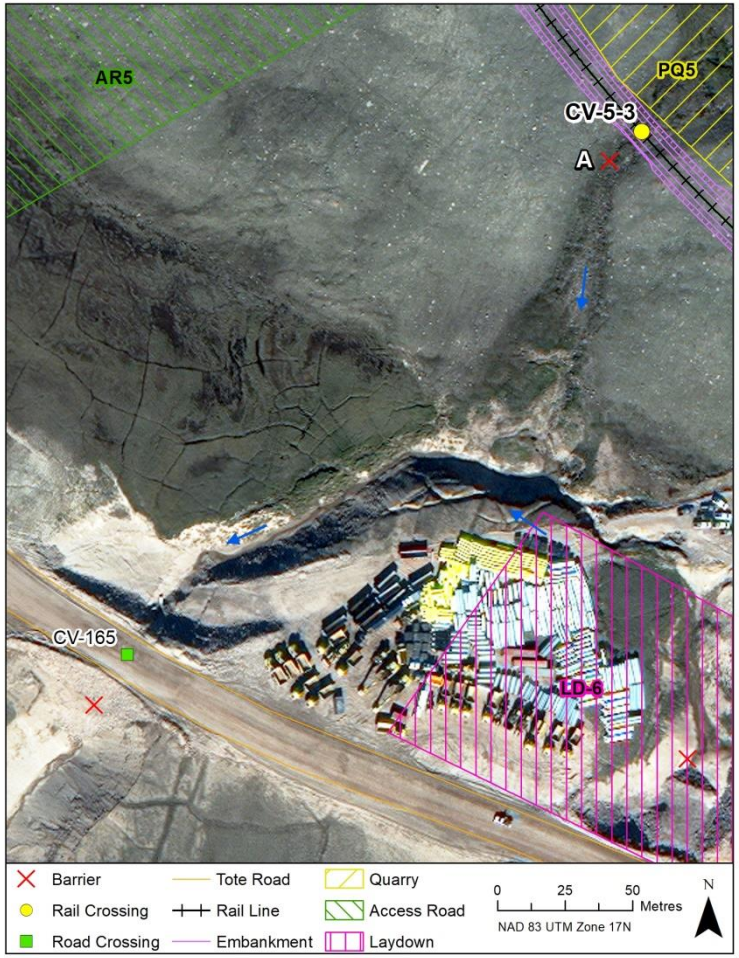
BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Downstream	506296	7971797	VD	HG		>0.3	12–20	Permanent Barrier: High gradient with several vertical drops	A



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RAIL CV-5-3

FISH HABITAT POTENTIAL

Nearest Potential Overwintering Habitat - ARCH: Milne Inlet

Distance to Nearest Potential Overwintering Habitat - ARCH (km): 8.9

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: 15-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 stream near the crossing is steep with occasional vertical drops, preventing all fish access. There is no fish habitat at the crossing.

RAIL CV-5-3

15-JUN-19

A

B

C

Photos 1. Photos taken at the crossing centreline in spring (A) facing upstream; (B) facing downstream; and (C) across (left bank looking at right bank).