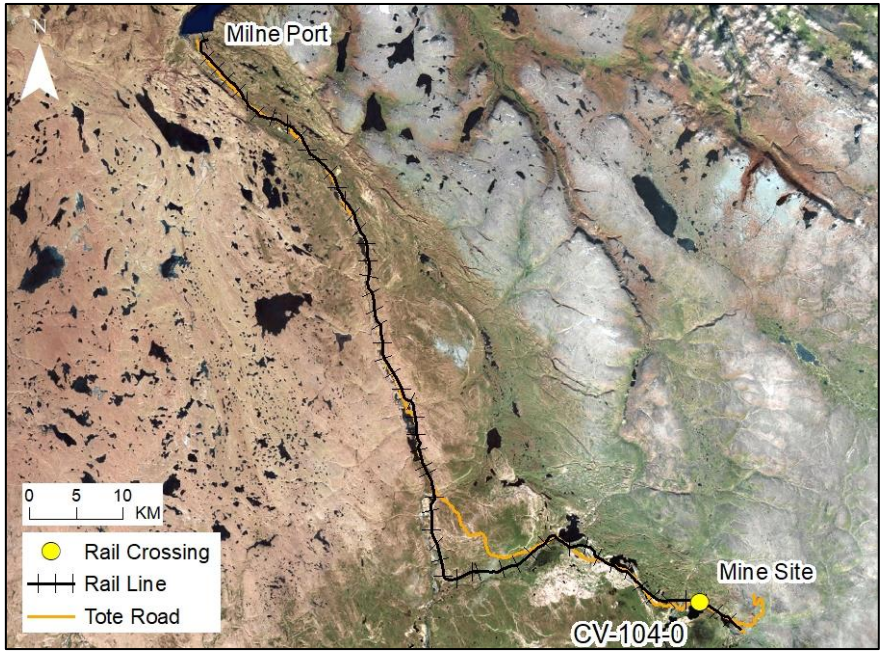
RAIL CV-104-0

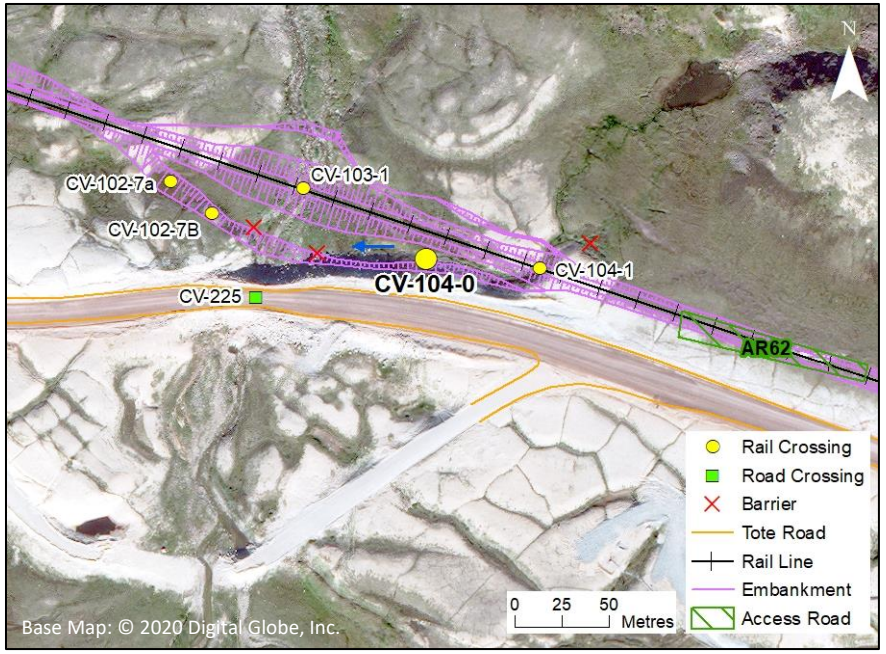
LOCATION AND CROSSING DESCRIPTION

Site ID:	CV-104-0	**Dates Surveyed:**	22-Jun-19	**Waterbody Type:**	Stream
Project Interaction:	Stream Infilling	**Centreline UTM Coordinates:**	17W 557514 E 7915207 N	**Culvert Length (m):**	N/A
Number of Barrels:	N/A	**Culvert Diameter/Span (mm):**	N/A	**Slope (%):**	N/A

GENERAL PHYSICAL CHARACTERISTICS

Flow Regime:	Intermittent	**Stream Order:**	1	**Drainage Basin Area (km²):**	0.118





SUMMARY

The rail infills approximately 100 m of an intermittent stream at CV-104-0 that drains west towards and dissipates underneath the Tote Road embankment. The stream also has a rail culvert crossing at CV-104-1, approximately 50 m upstream from the CV-104-0 site.

The Tote Road embankment is a permanent barrier located almost immediately downstream from the infilled area. There is no culvert at the site and the stream dissipates under the cobble/boulder embankment. There is no existing surface connectivity with the CV-103-1 stream. A permanent high gradient barrier is located 20 m upstream from the infilled area.

Due to the permanent downstream barrier, there is no fish habitat at the CV-104-0 crossing.

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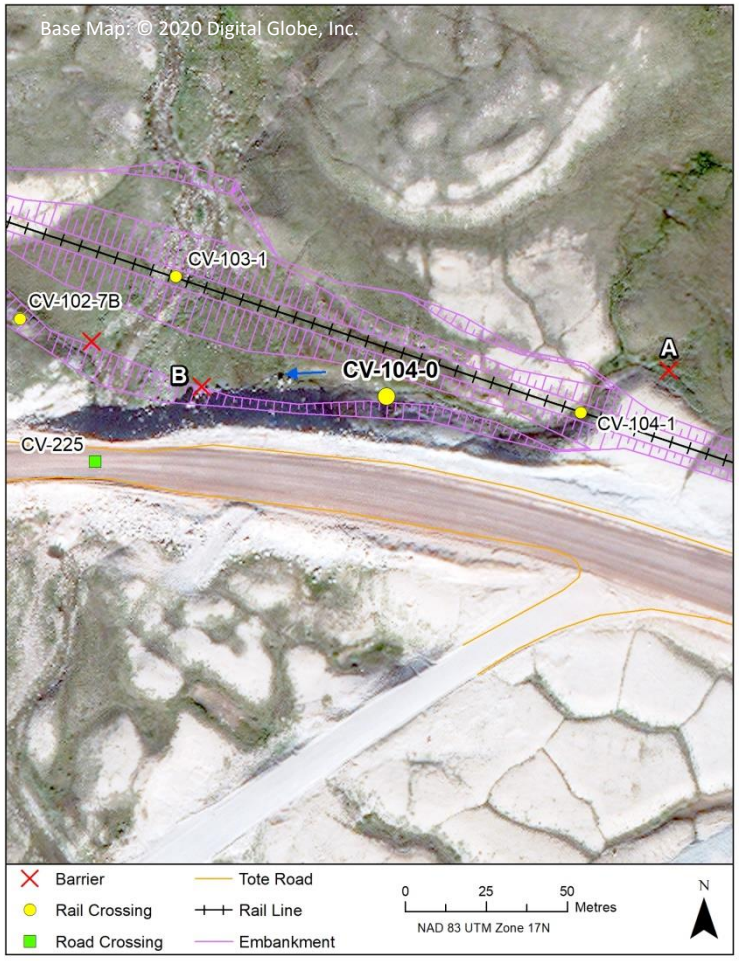
BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Upstream	557601	7915215	HG	SSF			12	Permanent barrier: Steep gradient with subsurface flow	A
Downstream	557457	7915210	B	SSF				Permanent barrier: Existing Tote Road embankment	B



A

B

RAIL CV-104-0

FISH HABITAT POTENTIAL

Nearest Potential Overwintering Habitat - ARCH: Camp Lake **Distance to Nearest Potential Overwintering Habitat - ARCH (km):** ~0.3

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: 22-Jun-19 **Temperature (°C):** NR **Gear Used:** Visual

Distance Fished (m): N/A **Duration Fished (seconds):** N/A

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

COMMENTS

Depth was insufficient for electrofishing. No fish were observed in this stream and access from downstream is prevented by a permanent barrier.

RAIL CV-104-0

22-JUN-19

A

B

C

Photos 1. Photos taken at centre of the infilled area in spring: (A) facing upstream; (B) facing downstream; and (C) across (left bank looking at right bank).