

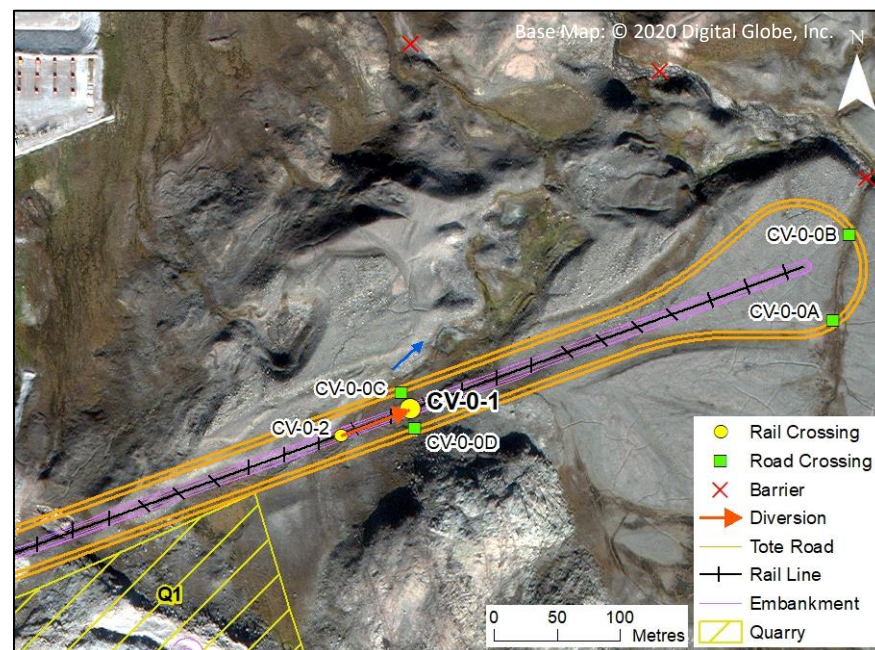
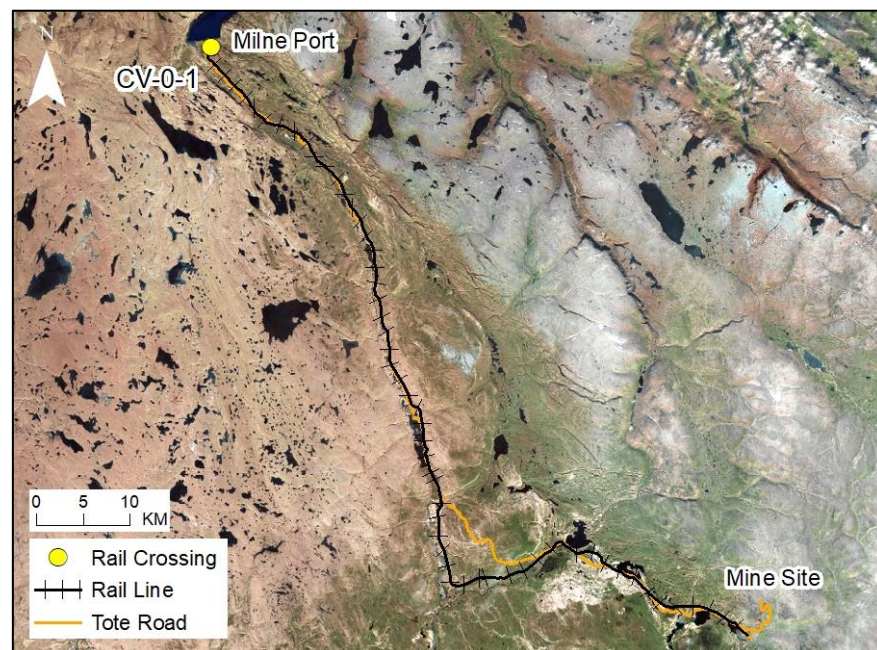
# RAIL CV-0-1

## LOCATION AND CROSSING DESCRIPTION

<b>Site ID:</b>	CV-0-1	<b>Dates Surveyed:</b>	18-Jun-19	<b>Waterbody Type:</b>	Stream
<b>Project Interaction:</b>	Rail Daylight + Culvert; Receiving Diversion	<b>Centreline UTM Coordinates:</b>	17W 504289 E 7975593 N	<b>Culvert Length (m):</b>	12
<b>Number of Barrels:</b>	1	<b>Culvert Diameter/Span (mm):</b>	900	<b>Slope (%):</b>	1

## GENERAL PHYSICAL CHARACTERISTICS

<b>Flow Regime:</b>	Intermittent	<b>Stream Order:</b>	1	<b>Drainage Basin Area (km<sup>2</sup>):</b>	0.0117
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## SUMMARY

The stream at North Rail crossing CV-0-1 is part of the same system that is crossed by the North Rail at CV-0-2 and by the access road loop at CV-0-0C and CV-0-0D (at the northern terminus of the North Rail). The culvert at CV-0-1 will receive flow diverted from a cut at rail site CV-0-2 to the west. It is a mostly dry channel that collects meltwater and drains into a fishless pond, approximately 60 m downstream.

The downstream pond is isolated due to a high-gradient barrier with subsurface flow roughly 400 m downstream.

Due to the existing downstream barrier, there is no fish habitat at the crossing.

**BAFFINLAND IRON MINES  
MARY RIVER PROJECT**

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**FISH HABITAT:**

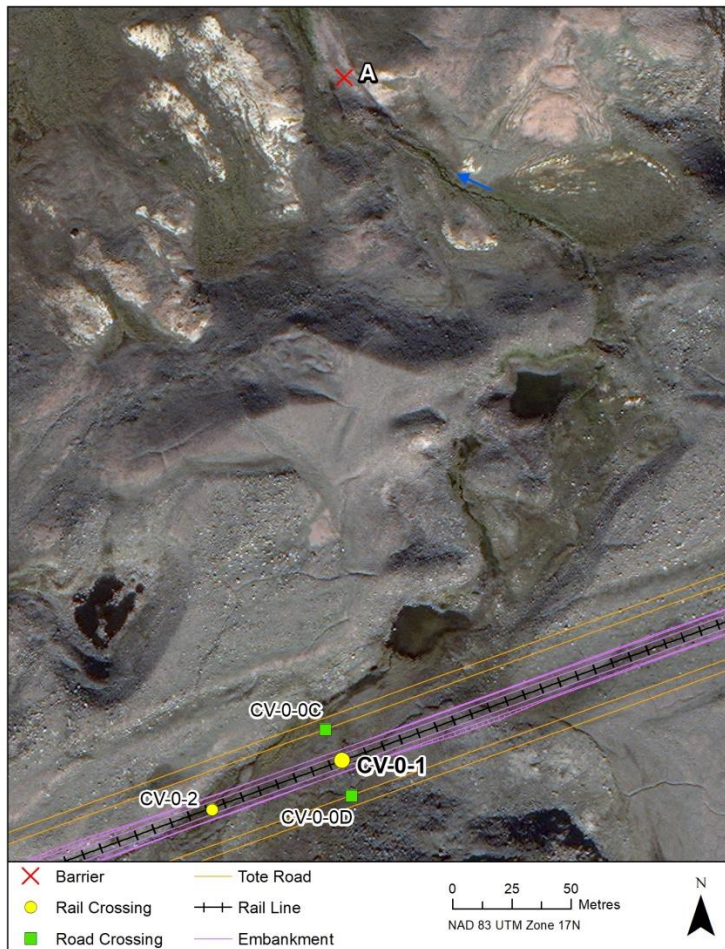
**ARCTIC CHAR - NO**

**NINESPINE STICKLEBACK - NO**

# RAIL CV-0-1

## BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Downstream	504290	7975882	SSF	HG			> 10	Permanent Barrier: Subsurface flow over a high gradient	A



A

# RAIL CV-0-1

## FISH HABITAT POTENTIAL

**Nearest Potential Overwintering Habitat - ARCH:** Milne Inlet **Distance to Nearest Potential Overwintering Habitat - ARCH (km):** 1.4

**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:** 18-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	Summer/Fall	N/A	N/A	N/A	0	-	-
NNST	Summer/Fall	N/A	N/A	N/A	0	-	-

## COMMENTS

There is no overwintering habitat upstream of the crossing, and a permanent barrier (high gradient with subsurface flow) 390 m downstream of the crossing prevents fish access in all seasons. This site does not provide fish habitat.

# RAIL CV-0-1

18-JUN-19



A



B



C

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