

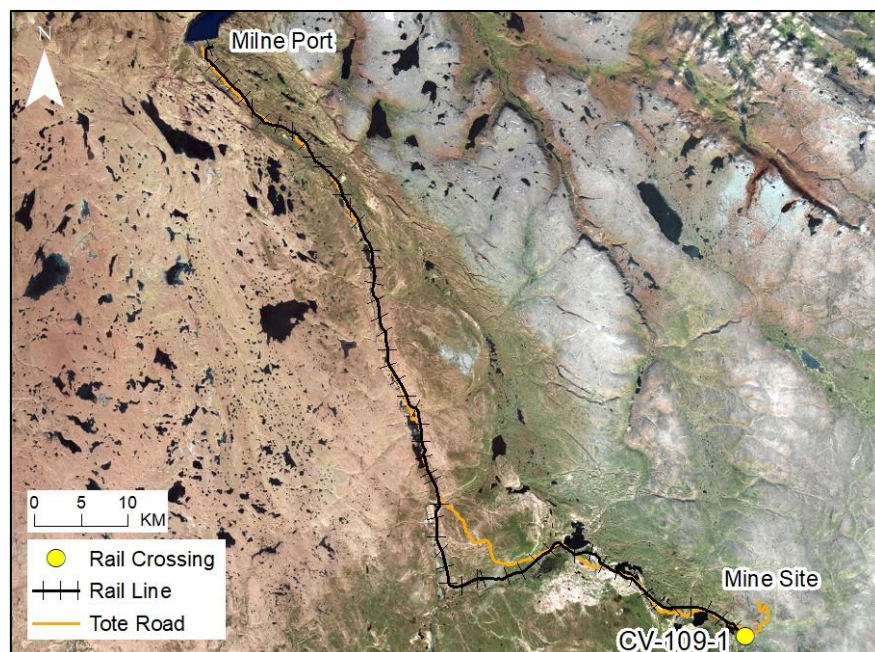
RAIL CV-109-1

LOCATION AND CROSSING DESCRIPTION

Site ID:	CV-109-1	Dates Surveyed:	27-Jun-19	Waterbody Type:	Stream
Project Interaction:	Rail Culvert	Centreline UTM Coordinates:	17W 561860 E 7912344 N	Culvert Length (m):	24
Number of Barrels:	1	Culvert Diameter/Span (mm):	900	Slope (%):	5

GENERAL PHYSICAL CHARACTERISTICS

Flow Regime:	Intermittent	Stream Order:	1	Drainage Basin Area (km²):	0.0069
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SUMMARY

The rail crosses a small, unnamed intermittent stream at CV-109-1 that drains southeast to a small, unnamed lake approximately 200 m downstream from the rail centreline. The crossing centreline at CV-109-1 was dry in spring 2019.

Due to permanent subsurface flow barriers and raised vegetation berms surrounding the low point at M-Culv-11, there is no connectivity with CV-109-1 or the downstream lake. Due to the permanent barriers there is no fish habitat at the rail crossing site.

**BAFFINLAND IRON MINES
MARY RIVER PROJECT**

 **North/South Consultants Inc.**
Aquatic Environment Specialists

FISH HABITAT:

ARCTIC CHAR - NO

NINESPINE STICKLEBACK - NO

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BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Downstream	561860	7912344	SSF					Permanent Barrier: No surface water or channel at crossing and downstream	A
Downstream	561852	7912271	SSF					Permanent Barrier: Berm of terrestrial material obstructing surface flow	B



RAIL CV-109-1

27-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).