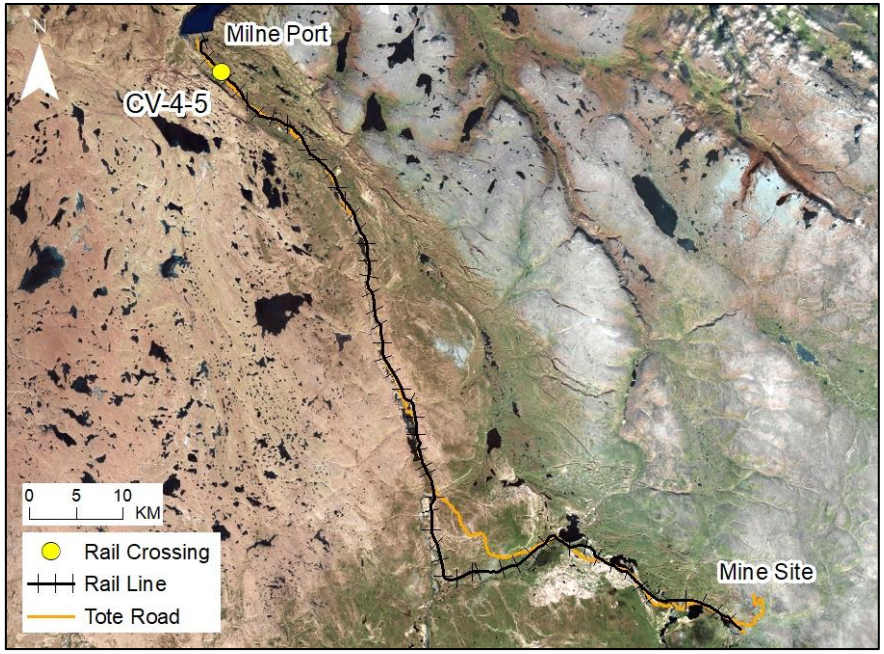
# RAIL CV-4-5

## LOCATION AND CROSSING DESCRIPTION

| | | | | | |
|---|---|---|---|---|---|
| **Site ID:** | CV-4-5 | **Dates Surveyed:** | 15-Jun-19 | **Waterbody Type:** | Stream |
| **Project Interaction:** | Rail Culvert | **Centreline UTM Coordinates:** | 17W 506066 E 7972198 N | **Culvert Length (m):** | 18 |
| **Number of Barrels:** | 1 | **Culvert Diameter/Span (mm):** | 900 | **Slope (%):** | 1 |

## GENERAL PHYSICAL CHARACTERISTICS

**Flow Regime:** Intermittent **Stream Order:** 1 **Drainage Basin Area (km²):** 0.058





## SUMMARY


The North Rail crosses an unnamed intermittent stream at CV-4-5 east of the existing Tote Road. It drains west towards the road where it meets a larger stream that flows parallel to the Tote Road towards a culvert at CV-166. This roadside stream collects water from several small, local drainages and surface melt. The CV-4-5 crossing was mostly dry with isolated pools of surface water among boulders during spring 2019.

The stream does not provide habitat for Arctic Char or Ninespine Stickleback due to the presence of a permanent steep gradient barrier at and upstream from the crossing and extensive subsurface flow downstream from the crossing (from at least 50 m DS to the crossing). There is no fish habitat at the crossing and no surface connectivity to upstream or downstream waterbodies.

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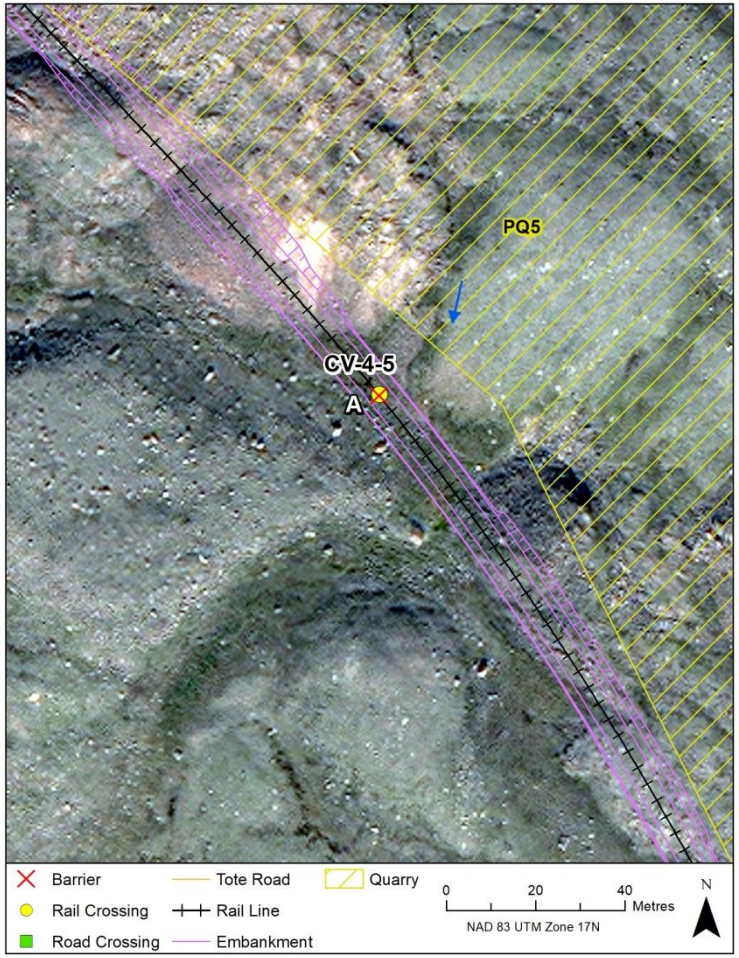
## BARRIERS

| Upstream/ Downstream | UTM | | Barrier Type | | | Height (m) | Gradient (°) | Description | Site Label |
|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | 1 | 2 | 3 | | | | |
| Upstream, at, and downstream | 506066 | 7972198 | SSF | HG | | | >10 | Permanent Barrier: Subsurface flow from upstream to downstream of the crossing, leaving only a small wetted area. | A |




A

# RAIL CV-4-5

## FISH HABITAT POTENTIAL

**Nearest Potential Overwintering Habitat - ARCH:** No

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

**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 |

## COMMENTS

Mostly dry, undefined channel upstream and downstream of the crossing with a small wetted area. No surface water connectivity to upstream or downstream waterbodies. There is no fish habitat at this crossing.

# RAIL CV-4-5

**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).