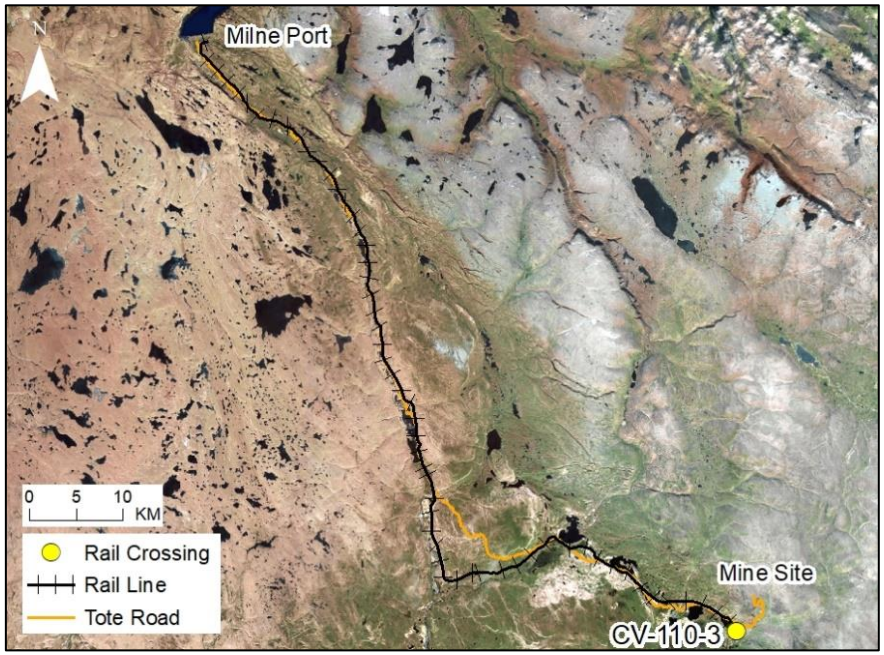
RAIL CV-110-3

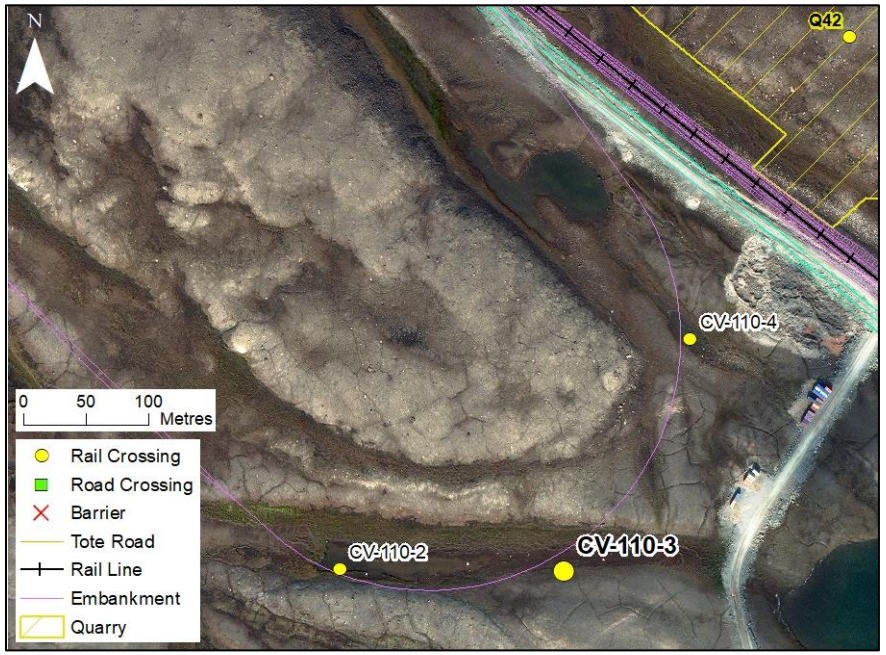
LOCATION AND CROSSING DESCRIPTION

Site ID:	CV-110-3	**Dates Surveyed:**	01-Jul-19	**Waterbody Type:**	Pond
Project Interaction:	Rail Pond Infilling + Culvert	**Centreline UTM Coordinates:**	17W 561445 E 7912240 N	**Culvert Length (m):**	30
Number of Barrels:	2	**Culvert Diameter/Span (mm):**	1200	**Slope (%):**	5

GENERAL PHYSICAL CHARACTERISTICS

Surface Area (m^2):	2,469	**Shoreline Length (m):**	314	**Drainage Basin Area (m^2):**	0.132
Maximum Depth (m):	0.5 (estimated)			**Mean Depth (m):**	-





SUMMARY

The rail loop will infill a portion of a shallow (approximate maximum depth 0.5 m), marshy pond in two locations (CV-110-3 and CV-110-2). The pond is isolated and not connected to any other waterbodies, including nearby Sheardown Lake. The pond lacks clearly defined inflows and outflows and is not fish habitat.

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BARRIERS

Upstream/ Downstream	UTM		Barrier Type			Height (m)	Gradient (°)	Description	Site Label
	Easting	Northing	1	2	3				
Inflowing Stream	All inflows appear to be diffuse over terrestrial habitat and not fish-bearing								
Outflowing Stream	All outflows appear to be diffuse over terrestrial habitat and not fish-bearing								

FISH HABITAT POTENTIAL

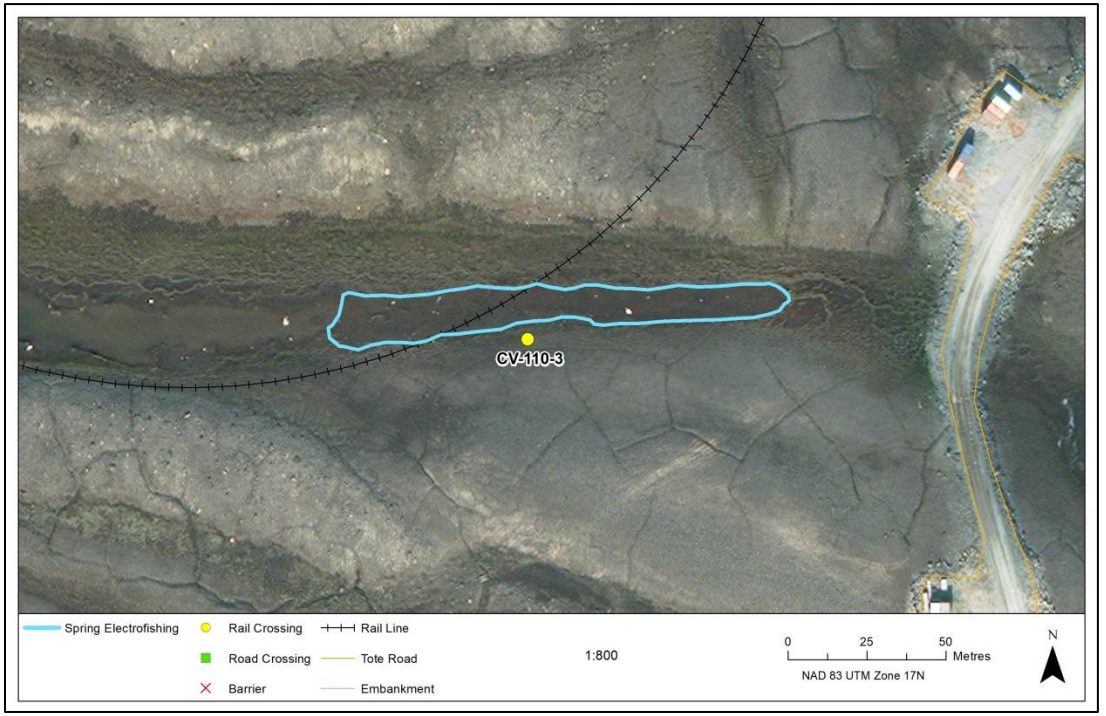
Nearest Potential Overwintering Habitat - ARCH: N/A

Distance to Nearest Potential Overwintering Habitat - ARCH (km): N/A

Overwintering Habitat Upstream of Site - ARCH (Y/N): N/A

Species	Spawning	Overwintering	Rearing	Adults Present
ARCH	N	N	N	N
NNST	N	N	N	N

FISHING SITES



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FISHERIES DATA

Date:	01-Jul-19	**Temperature (°C):**	NR	**Gear Used:**	Backpack Electrofisher/Visual
Distance Fished (m):	NR	**Duration Fished (seconds):**	165		

Species	Season	Effort (Seconds)	Fish Captured	Fish Observed	CPUE (No. Fish/60 Seconds)	Length Range (mm)
ARCH	Spring	165	0	0	-	-
NNST	Spring	165	0	0	-	-

INFILL HABITAT

Area	Fines (%)	Gravel (%)	Small Cobble (%)	Large Cobble (%)	Boulders (%)
Nearshore	100	0	0	0	0
Offshore	100	0	0	0	0

OTHER NOTES/OBSERVATIONS

Electrofishing was limited to areas of the pond near site CV-110-3 that were sufficiently deep enough for electrofisher use. There was no clear outflow or connectivity to the west towards an adjacent pond. The area between the ponds was a series of isolated shallow pools among vegetation with no clear passage or flow in spring 2019. There was some connectivity to adjacent pools at the time of the survey.

RAIL CV-110-3

01-JUL-19

A

B

C

D

E

F

Photos 1. Photos of the pond infilled at CV-110-3: (A) at the infill site looking east; (B) at the infill site looking west; (C) at the infill site looking north across the pond; (D) looking west towards distant unconnected ponds; (E) eastern end of CV-110-2/110-3 marshy pond complex; and (F) terrain west of CV-110-2/110-3.