

Topographic map of a study area. The map displays a river network (blue lines) and a road network (red lines). A black polygon highlights a specific area of interest. The map includes a legend and a scale bar.

Grid Interval = 1000 meters

Watershed Area :	<b>0.30 km<sup>2</sup></b>
Lake Area :	<b>0.00 km<sup>2</sup></b>
Swamp Area :	<b>0.00 km<sup>2</sup></b>
Retention Area :	<b>0.00 km<sup>2</sup></b>
Retention Factor :	<b>0.00 %</b>
Base Class :	<b>0.00</b>
Watercourse Type :	<b>Permanent</b>

Installer Experience : **As Per Approved Implementation Toolkit**

		Structure 1	Structure 2	Structure 3
Structure Type		Culvert	Bridge	Ice
Design Flow		Q25	Q25	Q2
Fill Material		Pit Run Gravel	Pit Run Gravel	Snow and Ice
Dates for In Water Work (if required)	Start	July 16	July 16	
	Finish	August 31	August 31	
Removal Timeframe		>2 Years	>7 Years	By March 31st



Date \_\_\_\_\_

Within 500m of Brook Trout stream: **NO**

MNRF Assigned Thermal Code at Crossing **UF**

	Structure 1	Structure 2	Structure 3
Risk Evaluation:	LOW	LOW	LOW
Site Inspection Required:	NO	NO	NO



# ARFMI Crossing Installation Report

(Must be completed for each crossing location)

Shareholder: \_\_\_\_\_ Block ID: \_\_\_\_\_

Contractor: \_\_\_\_\_ Road Name: \_\_\_\_\_

## SITE CONDITIONS ENCOUNTERED

Crossing Located By:

Date Measurements Taken:

Stream Measurements  
(meters)

Flood Plain Width :	A
Bankful Width :	B
Channel width :	C
Depth - 25% of Channel :	D (l)
Depth - 50% of Channel :	D (c)
Depth - 75% of Channel :	D (r)
Depth - Bankful Flow :	E
Depth — Floodplain :	F
Stream Velocity :	m /sec

Notes:

Foundation Soil Description :

Sand ☐

Muck ☐

Silt ☐

Rubble ☐

Clay ☐

Gravel ☐

Channel Type:

Ephemeral ☐

Intermittent ☐

Permanent ☐

ARFMI Notification Provided :

(ARFMI Advised- 'Change to Operation' made)

FRI Incorrect ☐

Unmapped ☐

## INSTALLATION CONDITIONS

Installation Supervised By:

Date of installation:

Crossing Permanency : Refer to Structure Removal Timeframe specified in AWS 4 and 5

Month / Year

Permanent ☐

Temporary ☐

Decommissioned Date: \_\_\_\_\_

Note: Measurements (★) must be included for all structures which remain in place beyond date of inspection

Scheduled Removal Date: \_\_\_\_\_

Crown Land Bridge

NAD 83 (Record Actual Crossing Location on Stream Segment):

☐ Bridge Record Form submitted (i.e. MNR / ARFMI)

E

N

New Crossing Type:

Box Culvert ☐

Arch Culvert ☐

Round Culvert ☐

Portable Bridge ☐

Steel Stringer Bridge ☐

Winter Snow Pack ☐

Structure Description:

Steel ☐

Plastic ☐

Wood ☐

Concrete ☐

Ford (Engineered) ☐

Type of Fill:

Sand ☐

Gravel ☐

Rock Rubble ☐

Other ☐

Erosion Prevention and Control (X):

(Indicate applicable measures taken)

Stable slopes on stream banks and drainage ditch banks ☐

Course, clean rock to high water mark ☐

Re-vegetate or seed slopes (stream banks and ditch banks) ☐

Divert drainage ditches to green belt ☐

Line drainage ditches with rock ☐

Use rock weirs in drainage ditches to impede water flow ☐

Use filter cloth on upstream side of culverts ☐

No grubbing or stripping of ground vegetation ☐

Use filter cloth (On top of ice if fill is used for Winter Crossings) ☐

Other: ☐

## WATER CROSSING OPERATIONS CHECKLIST

Only certified inspectors are allowed to conduct Forest Operations Inspections for submission to the FOIP database

Inspector Name: \_\_\_\_\_

FOIP Report Number : \_\_\_\_\_

CULVERT

\* 'As Built' Culvert Installation Measurements  
(meters)

Installed Diameter :	
Structure Length :	
Road Width :	
Depth of Cover:	
Water Depth in Pipe :	
Number of Culverts :	
Spacing Between Pipes :	

4 Photos must be Attached

( ) Approaches

( ) Inlet

( ) Outlet

( ) Inside Pipe

☐ Remedial action required

BRIDGE

\* 'As Built' Bridge Installation Measurements  
(meters)

Bridge length :	G
Clear Opening Width :	H
Freeboard (min 0.5m) :	I
Flood Rise :	J
Fill Height :	K
Left Slope Length :	L
Left Slope Rise :	M
Right Slope Length :	N
Right Slope Rise :	O
Crib Width :	P
Crib Height :	R

Bridge Used (Identification #) :

5 Photos must be Attached

( ) Approaches

( ) Deck

( ) Underside

( ) Upstream (Inlet)

( ) Downstream (Outlet)

☐ Remedial action required

☐ Verified 'As Built' measurements consistent with proposed bridge dimensions on 'Bridge Site Data Form'

Verification :

☐ I have confirmed that the final crossing condition satisfies the mandatory water crossing standards and will not impede future transfer of responsibility

Notes:

Water Crossing Activity (X):

☐ Water crossing location same as AWS submission

☐ Installation of culvert and size same as described in AWS water shed calculations.

☐ No sediments or woody debris left in water body or streams

☐ Construction materials removed from site

☐ Embankment sloped properly (e.g. 2:1) with no possibility of slumping

☐ Timing restriction met

☐ Culvert properly installed (i.e. refer to FMP Standards )

☐ Sediment Control Plan in AWS followed

☐ No Erosion or Sedimentation present (e.g. filter cloth used to prevent material from entering waterway)

☐ No signs of equipment or machinery in stream (i.e. culvert installed before equipment progresses past crossing)

☐ Coarse clean rock used on all culvert crossings

☐ Natural vegetation protected

☐ Additional measures used to prevent erosion (e.g. seed, filter cloth, rip rap etc.)

☐ Drainage ditches properly installed

☐ Crossing removed before March 31 unless left for silviculture activities

☐ Road right of way width through unallocated stands , no larger than FMP requirement

☐ Road right of way width through AOC's (reserves), no larger than FMP requirement

Note: All of the above activities must be checked. ✓ - Verified to be within acceptable limits ✗ - Outside of acceptable limits. Refer to comments for additional details N/A — Not applicable

I certify that the activities inspected are fully compliant based on an inspection appropriate to support this decision. Signature: \_\_\_\_\_ Date: \_\_\_\_\_