

Shaded Area for Office Use Only	ARFMI Road Network No. <b>305</b>	Previously Used Crossing ID	Crossing Evaluation Reference Number <b>A3067</b>
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Within 500m of Brook Trout stream: **NO**

MNRF Assigned Thermal Code at Crossing

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

Watershed Characteristics	Crossing Location Characteristics
Watershed Area : <b>0.24 km<sup>2</sup></b>	NOTE: See current AWS Tables 1 and 2 and AWS maps for approved AWS details for year of installation.
Lake Area : <b>0.00 km<sup>2</sup></b>	Evaluation ID No. : <b>A3067</b>
Swamp Area : <b>0.00 km<sup>2</sup></b>	Geographic Township : <b>Newman</b>
Retention Area : <b>0.00 km<sup>2</sup></b>	UTM Coordinates (NAD83) : <b>562065E, 5464900N</b>
Retention Factor : <b>0.00 %</b>	Road Type : <b>Operational</b>
Base Class : <b>0.00</b>	Stream Gradient : <b>0%</b>
Watercourse Type : <b>Permanent</b>	Slope > 30% (17°) : <b>NO</b>
	Installer Experience : <b>As Per Approved Implementation Toolkit</b>

	Company Name _____ (Print)			
	Company Signature _____			
	Operator Name _____ (Print)			
	Operator Signature _____			
	Date _____			

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

Calculations performed by First Resource Management Group (FRMG). Neither Abitibi River Forest Management Inc., nor FRMG guarantee the accuracy of any information presented on this form. Coordinates and map are UTM projection, Zone 17 NAD83 datum.



# 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:

Structure Description:

Type of Fill:

Box Culvert ☐

Arch Culvert ☐

Round Culvert ☐

Portable Bridge ☐

Steel Stringer Bridge ☐

Winter Snow Pack ☐

Steel ☐

Plastic ☐

Wood ☐

Concrete ☐

Ford (Engineered) ☐

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: \_\_\_\_\_