Stream Crossing and Barrier Attribution

Stream Code | Site Code | Zone | Easting | Northing | yyyy | mm | dd | Time (24 hr)

Stream Name | Alternate Site Code(s) | *Access Route*

Number of features

	1	2	3	4
Responsible Agency				
Feature Purpose				
Constriction Type				
Feature Material				
Outlet Flow Form				
Outlet Drop Type				
Substrate in Transport Channel				
# of Drops				
Grate/Cone				
Perch Height (mm) - bed to feature lip				
Jump Height (mm) - surface to feature lip				
Jump Distance (m)				
Feature Width (mm)				
Feature Height (mm)				
Length (m)				
Slope - record rise ☐ mm ☐ degrees				
Slope Method				
Water Depth in Feature/Culvert (mm)				
Hydraulic Head in Feature/Culvert (mm)				
Water Width in Feature/Culvert (m)				
Depth of Feature/Culvert (mm)				
Max Pool Depth (mm)				

Storage Width (m) Upstream | Downstream

Site Description

Infrastructure State	1	2	3	4
Feature Conditions				
Plug Depth (mm)				
% of Rust in Culvert				
Erosion Amount				

Note: Record the additive values of features conditions for categories 3, 4, and 5.

Optional Measurements Dissolved O_2 (mg/l)

Water Temp ^{o}C | Air Temp ^{o}C | pH | Conductivity (NS/cm) | Turbidity (NTU)

Photo # | Photo Name

Comments

Crew Leader (initial & last name) | Crew Initials

Recorder

Responsible Agency	Feature Purpose	Constriction Type	Feature Material	Outlet Flow Form	Outlet Drop Type
1. Municipality (e.g. road allowances)	1. Road Conveyance	1. Culvert	1. Corrugated Steel	1. Stream Grade – minimal difference in bed elevation	1. Stream grade
2. Crown (located on provincially managed lands)	2. Storage for wildlife	2. Tile	2. Mud and sticks	2. Concentrated pore point (e.g. culvert, spillway)	2. Rip-rap
3. Conservation Authority	3. Industrial Storage	3. Arch	3. Natural rock	3. Partial Diffuser –reduced width flat overflow	3. Apron
4. Private landowner - non-commercial	4. Water power	4. Constructed Dam/weir	4. Sheet steel	4. Diffuser- uniform depth across > half width of stream	4. Pool - water drops into pool
5.Commercial- including farms, businesses	5. Irrigation Storage	5. Rock shelf	5. Concrete	5. Other	5. Chute - strong velocity gradient
6. Federal government (Parks Canada)	6. Mill use	6. Gorge/cascade	6. Gabion and rock boulders		6. Other
7. First Nations	7. Fish barrier	7. Bridge abutments	7. Reinforced Concrete		
8. Other (record in comments)	8. Flow mitigation	8. Ford - instream crossing	8. Earthen Fill		
9. Unknown	9. Field drainage	9. Other	9. Masonry/inlaid stones		
	10. Entombed outlet		10. Plastic or other flexible material		
	11.Other		11. Other Describe in comments		
	12. Unknown				

Substrate in Transport Channel	Slope Method	Feature Condition Categories	Erosion Codes	Grate/Cone	Other Information
1. None	1. Visual	1. No Evidence of issues - no evidence of damage	1. None or minimal	0 - No	Perch height: depth from stream bed to lip of feature
2. Silt or clay (smooth)	2. Clinometer	2. Minor Evidence of issues - example surface rust	2. Moderate - feature integrity not immediately threatened	1 - Human	Jumping height: depth from water surface to lip of feature
3. Sand (> .06-2 mm)	3. Lazer level	3. Plugged - part or all of the feature infilled	3. Extreme - feature integrity threatened	2 - Beaver	
4. Gravel (2-65 mm)	4. Survey level	4. Crushed – some part is crumpled	4. Unknown - can't effectively assess		
5. Cobble (65-250 mm)	5. Other	5. Perforated – rusted holes and other escapes for water			
6. Boulders (>250 mm)		6. Unknown			
7. Bedrock		88. Imminient failure likely			