

Unconstrained Headwater Drainage Feature Assessment

Date (yyyy/mm/dd):		Project #:		Recorder/Crew:											
Stream Name:		Stream Code:		Site Code:											
Site Limits:	Upstream	WP#	Field Assessment:		Sample 1	Unconnected HDF:									
	Downstream	WP#			Sample 2	Not connected to									
Direction of Assessment:	Upstream		Downstream		Sample 3	downstream network									
Flow Influence	FRESHET (1)		SPATE (2)		BASEFLOW (3)										
Flow Condition	Dry (1) Standing Water (2)		Interstitial Flow (3) Minimal Flow (4)		Substantial Flow (5)										
Feature Type	Defined Natural Channel (1) Channelized or Constrained (2) Multi-thread (3)		No Defined Feature (4) Tiled Feature (5) Wetland (6)		Swale (7) Roadside Ditch (8) Pond (9)										
Feature Vegetation	None (1)	Lawn (2)	Cropped (3)	Meadow (4)	Scrubland (5)	Wetland (6)	Forest (7)								
Riparian Vegetation															
0 - 1.5 m	Left Bank	None (1)	Lawn (2)	Cropped (3)	Meadow (4)	Scrubland (5)	Wetland (6)	Forest (7)							
	Right Bank	None (1)	Lawn (2)	Cropped (3)	Meadow (4)	Scrubland (5)	Wetland (6)	Forest (7)							
1.5 - 10 m	Left Bank	None (1)	Lawn (2)	Cropped (3)	Meadow (4)	Scrubland (5)	Wetland (6)	Forest (7)							
	Right Bank	None (1)	Lawn (2)	Cropped (3)	Meadow (4)	Scrubland (5)	Wetland (6)	Forest (7)							
10 - 30 m	Left Bank	None (1)	Lawn (2)	Cropped (3)	Meadow (4)	Scrubland (5)	Wetland (6)	Forest (7)							
	Right Bank	None (1)	Lawn (2)	Cropped (3)	Meadow (4)	Scrubland (5)	Wetland (6)	Forest (7)							
Channel Gradient (S4.M7)	Visual (1)	Clinometer (2)	Laser Level (3)	Survey Level (4)	Other (5)	LiDAR (6)									
Distance (m):	Elevation (cm) :			Gradient (°):											
Dominant Substrate (S2.M3)	Clay (Hard Pan)	Silt	Sand (0.06-2 mm)	Gravel (22-66 mm)	Cobble (67-249 mm)	Boulder (250 mm)	Bedrock								
Sub-Dominant Substrate (S2.M3)															
Feature Roughness	< 10% Minimal (1)		10 - 40% Moderate (2)		40 - 60% High (3)		> 60% Extreme (4)								
Width Measurement	Can't Measure (1)	Bankfull (2)	Mean Width (3)	Estimated (4)	GIS (5)	Measure/GIS (6)									
Channel Dimensions	Feature Width (m):			Bankfull Depth (mm)											
Entrenchment	Total:	>40 m	<40 m	Left Bank	m	Right Bank	m	Total width	m						
Surface Flow Method	Perched Culvert (1)		Hydraulic Head (2)		Distance by Time (3)		Estimated (4)								
Wetted Width (m)	Wetted Depth (mm)		Hydraulic head (mm)			Volume (L)			Distance (m)			Time (s)			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Sediment Transport	Adjacent	None (1)	Rill (2)	Rill and Gully (3)	Gully (4)	Outlet Scour (5)									
	Feature	None (1)	Rill (2)	Rill and Gully (3)	Gully (4)	Outlet Scour (5)									
		Sheet Erosion (6)		Instream Bank Erosion (7)	Other (8)										
		Sheet Erosion (6)		Instream Bank Erosion (7)	Other (8)										
Sediment Deposition	Measures (mm):														
	None (1)	Minimal: < 5 mm (2)			Moderate: 5-30 mm (3)			Substantial: 31-80 mm (4)			Extensive: > 80 mm (5)				

