

## Headwater Drainage Features - Up- and Down- Stream

Stream Code  Site Code  Zone  Easting  Northing  Date (YYYY)  -  (MM) -  (DD) Time (24hr)  :  :

Stream Name  Discharge Approximates Baseflow?  Baseflow  Freshet  Spate Upstream Site Length (m)

Access Route   
 Site Description

Optional Features  
 Water Temp (C)  Air Temp (C)  pH  Conductivity (Ns)  Turbidity (NTU)  Dissolved O<sub>2</sub> (ppm)

Number of upstream features  Upstream Roughness  Photo #  Photo Name

Upstream Feature(s) Feature Number	Distance (m)	Bearing	Type	Flow	Sediment Transport		Sediment Deposition	Width MT	Feature Width (m)	BF Depth (mm)	Entrenchment Width (m)	Feat. Veg	Riparian Vegetation						Upstream Longitudinal Gradient		
					Adjacent	Feature							0-1.5 m Left	0-1.5 m Right	1.5-10 m Left	1.5-10 m Right	10-30 m Left	10-30 m Right	Method Used	Distance (m)	Elevation Rise (°)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Upstream Flow Measure(s) Record EITHER Hydraulic Head OR Volume OR Distance

Feature Number	Wetted Width (m)	Depth (mm)			Hydraulic Head (mm)			Volume (lit)			Distance (m)			Time (sec)		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments

If more than 1 downstream feature, complete a second Headwater Drainage form.

Photo #	Photo Name	Photo #	Photo Name	Downstream Site Length (m)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Downstream Feature**

Type	Flow	Sediment Transport	Adjacent	Valley	Sediment Deposition	Width MT	Feature Width (m)	BF Depth (mm)	Entrenchment Width (m)	Parched Ht (mm)	Jumping Ht (mm)	Feature Roughness	Feat. Veg	Riparian Vegetation				Downstream Longitudinal Gradient		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	0-1.5 m	1.5-10 m	10-30 m	Method Used	Distance (m)	Elevation Rise (0)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	

**Downstream Flow Measure**

Record EITHER Hydraulic Head OR Volume OR Distance

Wetted Width (m)	Depth (mm)			Hydraulic Head (mm)			Volume (lt)			Distance (m)			Time (sec)		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Upstream and Downstream Site Features**

Category	Value	Comments
Major Nutrient Sources Upstream		
Potential Contaminant Sources Upstream		
Channel Hardening		
Dredging or Straightening		
Barriers and/or Dams in proximity		
Online Ponds Upstream		
Springs or Seeps at the Site		
Evidence of Channel Scouring/Erosion		
BMPs or Restoration Activities		

**CHANNEL CONNECTIVITY (to downstream) :**

Connected       Unconnected

**Connected:** A surface water flow connection is apparent from the donating feature, to the downstream watercourse with existing or potential overland flow.

**Unconnected:** A water flow feature that is not connected to the drainage network except by groundwater infiltration. These features drain to kettle wetlands or ponds, etc that have no outlet to the drainage network except via groundwater.

- Site Feature Categories**
- Ongoing and active
  - Historical evidence
  - No evidence, but reported
  - No evidence
  - Unknown

**Downstream Comments**

<input type="text"/>
<input type="text"/>
<input type="text"/>

Crew Leader (initial & last name)

Crew

Recorder