Benthic Survey Sheet

Mandatory Fields In Grey
Must be filled out for processing

Stream Code | Site Code | Sample

Date (mm-dd) 2 0 1

Time (24hr) :

Stream Name

NOTE:
For all measurements, right and left banks defined facing upstream.

Water Quality

Water Temp (°C) .

Conductivity (uS/cm)

pH .

DO (mg/L) .

Alkalinity (mg/L as CaCO3) .

Substrate

Enter dominant substrate class and second dominant class for each sub-sample.

	Collect. Area 1	Collect. Area 2	Collect. Area 3
Dominant			
2nd Dominant			

Class	Description
1	Clay (hard pan)
2	Silt (floury, <0.06 mm particle diameter)
3	Sand (grainy, 0.06 - 2mm)
4	Gravel (2 - 65 mm)
5	Cobble (65 - 250 mm)
6	Boulder (>250 mm)
7	Bed Rock

Aquatic Macrophytes & Algae

Enter appropriate abundance class for each type and sub-sample.

Macrophytes	Collect. Area 1	Collect. Area 2	Collect. Area 3
Emergent			
Rooted Floating			
Submergent			
Free Floating			

Algae	Collect. Area 1	Collect. Area 2	Collect. Area 3
Floating Algae			
Filamentous			
Attached Algae			

Class	Description
0	Absent
1	Present
2	Abundant

Riparian Vegetation Community

Only check one box for each bank and zone.

Dominant Vegetation Type

	Left Bank							Right Bank						
Riparian Zone	None	Lawn	Crop-land	Mea-dow	Scrub-land	Forest	Wet-lands	None	Lawn	Crop-land	Mea-dow	Scrub-land	Forest	Wet-lands
1.5-10m	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10-30m	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
30-100m	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Bankfull Width (m) .

Gear Type
☐ Poled Seine ☐ Ponar
☐ D-Net ☐ Ekman
☐ Surber ☐ Other :

Collection Method
☐ Rapid Survey
☐ Stationary Kick Survey
☐ Transect Kick & Sweep
☐ Grab

MeshSize (microns)
☐ 250 ☐ 600
☐ 500 ☐ 1000
(Select the box that most closely represents the mesh size used.)

	Pool or Riffle (P/R)	Sampling Dist.(m)	Sampling Time (min : sec)	Max. Depth (mm)	Hydraulic Head (mm)	Wetted Width (m)	Grabs/ Area
Collection Area 1:		.	:			.	
Collection Area 2:		.	:			.	
Collection Area 3:		.	:			.	

Enter a P or an R to indicate whether the collection was a riffle or pool.

1, 2, or 3 grabs can be collected within each collection area.

% Canopy Cover
☐ 0 - 24 ☐ 50 - 74
☐ 25 - 49 ☐ 75 - 100

If instrument used, record type:

River Characterization
☐ Perennial
☐ Intermittent
☐ Unknown

Candidate Reference Site? (ie. minimally impacted)
☐ Yes
☐ No

Pebble sizes (mm) use sizes from table 1

Comments

Crew Leader (initial & last name)

Crew Names

Recorder Init.	Entered	Verified	Corrected