

**Mandatory Fields in Red/Bold**

SAMPLING EVENT				For all riparian measurements, right and left banks defined facing downstream.			
Site Code		Sampling Event Comment					
Stream Name		Left Bank Riparian 1.5-10m (circle an option)	none	lawn	cropland	meadow	scrubland forest wetland
Sampling Event Date (dd-mmm-yyyy)		Left Bank Riparian 10-30m (circle an option)	none	lawn	cropland	meadow	scrubland forest wetland
Agency		Left Bank Riparian 30-100m (circle an option)	none	lawn	cropland	meadow	scrubland forest wetland
Gear Type (circle an option)	D-net ponar grab Ekman dredge unknown/other	Right Bank Riparian 1.5-10m (circle an option)	none	lawn	cropland	meadow	scrubland forest wetland
	If other please explain:	Right Bank Riparian 10-30 m (circle an option)	none	lawn	cropland	meadow	scrubland forest wetland
Collection Method (circle an option)	OBBN kick & sweep CABIN kick & sweep grab other	Right Bank Riparian 30-100m (circle an option)	none	lawn	cropland	meadow	scrubland forest wetland
	If other please explain:	Water Temperature (°C)					
Mesh Size (circle an option)	500 micron 400 micron n/a	DO (mg/L)					1 Clay (hard pan)
Elevation		Conductivity (µS/cm)					2 Silt (floury, <0.06mm)
Candidate Reference Site (circle an option)	yes no	Alkalinity (mg/L as CaCO3)					3 Sand (grainy, 0.06-2mm)
River Permanence (circle an option)	Intermittent perennial pumped drain unknown	pH					4 Gravel (2-65mm)
Bank-full Width (m)		Turbidity (NTU)					5 Cobble (65 - 250mm)
% Canopy Cover (circle an option)	0-25 26-50 51-75 76-100	Chemistry Comment					6 Boulder (>250mm)
Time of Day (EST- 24HR format)		Chemistry Method	multi-probe field instrument	lab			7 Bedrock

**Comments for Site**

**SITE FEATURES (circle options beside question)**

<b>Features:</b>  For additional information on any field, please use the specific area for comments  <b>Page 1 of 2</b>	stream type?	Mixed Land Use	Urban	Forested	Agricultural	Sampled location affected by beaver activity?	Yes	No	Historical	Unknown					
	Safety concern regarding accessing site for benthic sampling?	Yes	No	Unknown	channel altered? (eg. Hardened, straightened)	Yes	No	Historical	Unknown						
	Non-point Sources of contaminants (e.g., manure, livestock)?	Yes	No	Historical	Unknown	integrity of stream banks?	stable/natural	stable/unnatural	unstable/natural	unstable/unnatural					
	Livestock access to waterbody?	Yes	No	Historical	Unknown	Rosgen channel Type?	Aa+	A	B	C	D	DA	E	F	G
	Point sources of contaminants (e.g., sewage outfall)?	Yes	No	Historical	Unknown	QHEI substrate score? (# between 0-20)									
	Evidence of abnormal sediment loading or erosion?	Yes	No	Historical	Unknown	QHEI instream cover score? (# between 0-20)									
	Barriers (dam, weir, culvert)?	Yes	No	Historical	Unknown	QHEI channel morph score? (# between 0-20)									
	Evidence of groundwater inflow (springs, seeps, watercross)?	Yes	No	Unknown	QHEI riparian zone score? (# between 0-10)										
	Fish or wildlife observed?	Yes	No	Unknown	QHEI pool quality? (# between 0-12)										
	Invasive plants observed?	Yes	No	Unknown	QHEI riffle quality? (# between 0-8)										
	Information sources used?	Yes	No	Unknown	QHEI map gradient? (# between 0-10)										

COLLECTION AREA																					
Sample Number	1			2			3														
Pool or Riffle (circle an option)	Pool	Riffle		Pool	Riffle		Pool	Riffle													
Wetted Width (m)																					
Sampling Distance (m)																					
Sampling Time																					
Max Depth (cm)																					
Max Hydraulic Head (mm)																					
Dominant Substrate (circle option)	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
2nd Dominant Substrate (circle option)	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
Subsampling Method (circle an option)	Bucket	Marchant	other	Bucket	Marchant	other	Bucket	Marchant	other												
Visual Aid (circle an option)	Microscope	visually-unaided	Microscope	visually-unaided	Microscope	visually-unaided															
Latitude	Record mid stream on transect																				
Longitude																					
Number of Samples Pooled (grabs/area)																					
Woody Debris	0	1	2	0	1	2	0	1	2												
Detritus	0	1	2	0	1	2	0	1	2												
Macrophytes - Emergent	0	1	2	0	1	2	0	1	2												
Macrophytes - Rooted Floating	0	1	2	0	1	2	0	1	2												
Macrophytes - Submergent	0	1	2	0	1	2	0	1	2												
Macrophytes -Free Floating	0	1	2	0	1	2	0	1	2												
Algae - Floating	0	1	2	0	1	2	0	1	2												
Algae - Filamentous	0	1	2	0	1	2	0	1	2												
Algae - Attached	0	1	2	0	1	2	0	1	2												
Collection Area Comment																					

PEBBLE COUNT

Pebble 1 (OSAP code)	Pebble 2 (OSAP code)	Pebble 3 (OSAP code)	Pebble 4 (OSAP code)	Pebble 5 (OSAP code)	Pebble 6 (OSAP code)	Pebble 7 (OSAP code)	Pebble 8 (OSAP code)	Pebble 9 (OSAP code)	Pebble 10 (OSAP code)						

Please use the following chart to define

Material	Size to be Recorded
Unconsolidated Clay	0.01
Consolidated Clay	0.011
Silt	0.05
Sand	0.1
Bedrock	1111
Concrete	2222
Measured Particles	Between 2mm & 1000mm - record the median axis
Large Boulders	1001