Mandatory Fields in Red/Bold

SAMPLING EVENT

Site Code	
Stream Name	
Sampling Event Date (dd-mmm-yyyy)	
Agency	
Gear Type (circle an option)	D-net ponar grab Ekman dredge unknown/other If other please explain:
Collection Method (circle an option)	OBBN kick & sweep CABIN kick & sweep grab other If other please explain:
Mesh Size (circle an option)	500 micron 400 micron n/a
Elevation	
Candidate Reference Site (circle an option)	yes no
River Permanence (circle an option)	Intermittent perennial pumped drain unknown
Bank-full Width (m)	
% Canopy Cover (circle an option)	0-25 26-50 51-75 76-100
Time of Day (EST- 24HR format)	

For all riparian measurements, right and left banks defined facing downstream.

Sampling Event Comment	
Left Bank Riparian 1.5-10m (circle an option)	none lawn cropland meadow scrubland forest wetland
Left Bank Riparian 10-30m (circle an option)	none lawn cropland meadow scrubland forest wetland
Left Bank Riparian 30-100m (circle an option)	none lawn cropland meadow scrubland forest wetland
Right Bank Riparian 1.5-10m (circle an option)	none lawn cropland meadow scrubland forest wetland
Right Bank Riparian 10-30 m (circle an option)	none lawn cropland meadow scrubland forest wetland
Right Bank Riparian 30-100m (circle an option)	none lawn cropland meadow scrubland forest wetland
Water Temperature (°C)	
DO (mg/L)	
Conductivity (µS/cm)	
Alkalinity (mg/L as CaCO3)	
pH	
Turbidity (NTU)	
Chemistry Comment	
Chemistry Method	multi-probe field instrument lab

dominant and 2nd dominant substrate	
1	Clay (hard pan)
2	Silt (floury, <0.06mm)
3	Sand (grainy, 0.06-2mm)
4	Gravel (2-65mm)
5	Cobble (65 - 250mm)
6	Boulder (>250mm)
7	Bedrock

Comments for Site

Features:

SITE FEATURES (circle options beside question)

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, watercress)? 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)

For additional information on any field, please use the specific area for comments

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			
Detritus			
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			

Page 2 of Codes for organic matter, macrophytes and algae 0—absent 1— present 2– abundant

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 pebble counts

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