



Maine DEP Biological Monitoring Unit Stream Macroinvertebrate Field Data Sheet

Location: _____

Potential Stressor: _____

Log Number _____	Directions _____	Type of Sampler _____
Station Number _____	_____	Date Deployed _____
Waterbody _____	_____	Number Deployed _____
River Basin _____	Lat-Long Coordinates (WGS84, meters) _____	Date Retrieved _____
Town _____	Latitude _____	Number Retrieved _____
Stream Order _____	Longitude _____	Agency/Collector(s) Put-In: _____
		Take-Out: _____

<p>1. Land Use (surrounding watershed)</p> <input type="checkbox"/> Urban <input type="checkbox"/> Upland conifer <input type="checkbox"/> Cultivated <input type="checkbox"/> Swamp hardwood <input type="checkbox"/> Pasture <input type="checkbox"/> Swamp conifer <input type="checkbox"/> Upland hardwood <input type="checkbox"/> Marsh	<p>2. Terrain (surrounding watershed)</p> <input type="checkbox"/> Flat <input type="checkbox"/> Rolling <input type="checkbox"/> Hilly <input type="checkbox"/> Mountains	<p>3. Canopy Cover (surrounding view)</p> <input type="checkbox"/> Dense (75-100% shaded) <input type="checkbox"/> Partly open (25-75% shaded) <input type="checkbox"/> Open (0-25% shaded) (% daily direct sun) _____
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4. Physical Characteristics of Bottom (estimate % of each component over 12 m stretch of site; total = 100%)

[] Bedrock	[] Cobble (2.5" – 10")	[] Sand (<1/8")	[] Clay
[] Boulders (>10")	[] Gravel (1/8" – 2.5")	[] Silt	[] Muck
			[] Detritus

5. Habitat Characteristics (immediate area)

Deployment	Retrieval
Time _____ AM PM	Time _____ AM PM
Wetted Width (m) _____	Wetted Width (m) _____
Bank Full Width (m) _____	Bank Full Width (m) _____
Depth (cm) _____	Depth (cm) _____
Velocity (cm/s) _____	Velocity (cm/s) _____
Diss. O ₂ ____ (ppm) ____ (%)	Diss. O ₂ ____ (ppm) ____ (%)
Temp (°C) _____	Temp (°C) _____
SPC (µS/cm) _____	SPC (µS/cm) _____
pH _____	pH _____
DO Meter # _____ Cal? Y / N	DO Meter # _____ Cal? Y / N
SPC Meter # _____ Cal? Y / N	SPC Meter # _____ Cal? Y / N

Temperature Probe # _____

deployed retrieved

6. Observations (describe, note date)

7. Water Samples

Standard

Other

Lab Number: _____

8. Photograph #

Put-In

Up

Down

Take-Out

Up

Down

Flag location where measured

9. Landmarks of Sampler Placement (illustrate or describe landmarks to be used for relocation)

Options for Potential Stressor:

Agricultural Runoff
Altered Habitat
Altered Hydrology
BOD (Low DO)
Bog Headwaters
Chloride
Gravel Pit
Impounded
Inorganic Solids
Lake Outlet
Logging
Low Gradient
Low pH
Metals
NPS Pollution
Nutrients
Organic Solids
Pesticides
Regulated Flows
Sedimentation
Superfund Site
Thermal
Tidal/Estuary
Toxic Organics
Urban Runoff

Options for Location:

Above Road Crossing
Below Road Crossing
Above Town
Below Town
Above Fish Hatchery
Below Fish Hatchery
Above POTW
Below POTW
Above Landfill
Below Landfill
Below Airport
Below In-Place Contamination
Above In-Place Contamination
Above Point Source
Below Point Source
Above Urban NPS
Below Urban NPS
Above Agriculture NPS
Below Agriculture NPS
Above Forestry NPS
Below Forestry NPS
Above Dam
Below Dam
Impoundment
Lake Outlet
Main Stem (only for larger systems)
Above Confluence
Below Confluence
Below Falls
Pristine Landscape
Designated Ecoreserve
Minimally Disturbed

Options for 6. Observations:

Fish
Algae
Macrophytes
Habitat quality
Dams/impoundments
Discharges
Nonpoint stressors