



# 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) _____

Note collectors for both put-in and take-out

<b>1. Land Use</b> (surrounding watershed) <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	<b>2. Terrain</b> (surrounding watershed) <input type="checkbox"/> Flat <input type="checkbox"/> Rolling <input type="checkbox"/> Hilly <input type="checkbox"/> Mountains	<b>3. Canopy Cover</b> (surrounding view) <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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<b>4. Physical Characteristics of Bottom</b> (estimate % of each component over 12 m stretch of site; total = 100%)					
[    ] Bedrock	[    ] Cobble (2.5" – 10")	[    ] Sand (<1/8")	[    ] Clay	[    ] Muck	[    ] Detritus
[    ] Boulders (>10")	[    ] Gravel (1/8" – 2.5")	[    ] Silt	[    ] Muck	[    ] Detritus	

<b>5. Habitat Characteristics</b> (immediate area)	
Time _____ AM PM Wetted Width (m) _____ Bank Full Width (m) _____ Depth (cm) _____ Velocity (cm/s) _____ Diss. O <sub>2</sub> (ppm) _____ Temp (°C) _____ SPC (µS/cm) _____ pH _____ DO Meter # _____ Cal? Y / N SPC Meter # _____ Cal? Y / N	Time _____ AM PM Wetted Width (m) _____ Bank Full Width (m) _____ Depth (cm) _____ Velocity (cm/s) _____ Diss. O <sub>2</sub> (ppm) _____ Temp (°C) _____ SPC (µS/cm) _____ pH _____ DO Meter # _____ Cal? Y / N SPC Meter # _____ Cal? Y / N

Flag location  
where measured

Temperature Probe # _____ <input type="checkbox"/> deployed <input type="checkbox"/> retrieved
<b>6. Observations</b> (describe, note date)    

<b>7. Water Samples</b> <input type="checkbox"/> Standard <input type="checkbox"/> Other Lab Number _____
<b>8. Photograph #</b> <u>Put-In</u> Up Down <u>Take-Out</u> Up Down

**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  
Chlorine  
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