**Maine DEP Biological Monitoring Unit**  
**Stream Macroinvertebrate Field Data Sheet**

<table>
<thead>
<tr>
<th>Log Number</th>
<th>Directions</th>
<th>Type of Sampler</th>
<th>Location:</th>
<th>Potential Stressor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Station Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waterbody</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>River Basin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stream Order</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**1. Land Use** (surrounding watershed)
- [ ] Urban
- [ ] Cultivated
- [ ] Pasture
- [ ] Upland hardwood
- [ ] Marsh

**2. Terrain** (surrounding watershed)
- [ ] Flat
- [ ] Rolling
- [ ] Hilly
- [ ] Mountains

**3. Canopy Cover** (surrounding view)
- [ ] Dense (75-100% shaded)
- [ ] Partly open (25-75% shaded)
- [ ] Open (0-25% shaded)

**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)

<table>
<thead>
<tr>
<th>Deployment</th>
<th>Retrieval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time ______ AM PM</td>
<td>Time ______ AM PM</td>
</tr>
<tr>
<td>Wetted Width (m) ______</td>
<td>Wetted Width (m) ______</td>
</tr>
<tr>
<td>Bank Full Width (m) ______</td>
<td>Bank Full Width (m) ______</td>
</tr>
<tr>
<td>Depth (cm) ______</td>
<td>Depth (cm) ______</td>
</tr>
<tr>
<td>Velocity (cm/s) ______</td>
<td>Velocity (cm/s) ______</td>
</tr>
<tr>
<td>Diss. O₂ (ppm) ______ (%)</td>
<td>Diss. O₂ (ppm) ______ (%)</td>
</tr>
<tr>
<td>Temp (°C) ______</td>
<td>Temp (°C) ______</td>
</tr>
<tr>
<td>SPC (µS/cm) ______</td>
<td>SPC (µS/cm) ______</td>
</tr>
<tr>
<td>pH</td>
<td>pH</td>
</tr>
<tr>
<td>DO Meter # ______ Cal? Y / N</td>
<td>DO Meter # ______ Cal? Y / N</td>
</tr>
<tr>
<td>SPC Meter # ______ Cal? Y / N</td>
<td>SPC Meter # ______ Cal? Y / N</td>
</tr>
</tbody>
</table>

**6. Observations** (describe, note date)

| Temperature Probe # | deployed | retrieved |

**7. Water Samples**
- [ ] Standard
- [ ] Other

**8. Photograph #**
- Put-In
- Up
- Down
- Take-Out
- Up
- Down

**9. Landmarks of Sampler Placement** (illustrate or describe landmarks to be used for relocation)
Options for 6. Observations:
Fish
Algae
Macrophytes
Habitat quality
Dams/impoundments
Discharges
Nonpoint stressors

Options for Potential Stressors:
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
Toxic Organics
Tidal Estuary
Urban Runoff

Options for Location:
Main Stem (only for larger systems)
Above Road Crossing
Below Road Crossing
Above Town
Below Town
Above Fish Hatchery
Below Fish Hatchery
Above Road Crossing
Below Road Crossing