Example data sheets for field collection. Adapted from “Physical Characterization/Water Quality Field Data Sheet & Periphyton Field Data Sheet” by Stevenson & Bahls (1999).

**Stream Characteristics Data Sheet**

|  |  |
| --- | --- |
| Stream name | Location |
| Form completed by | Date \_\_\_\_\_\_\_\_\_ |
|   | Time \_\_\_\_\_\_\_\_\_ AM PM  |
| **WEATHER CONDITONS** | **WATERSHED FEATURES** |
|  Now Past 24 hours | **Predominant Surrounding Land use** |
| storm (heavy rain) ☐ ☐ |  ☐ Forest ☐ Field/pasture ☐ Agricultural |
| rain (steady rain) ☐ ☐ |  ☐ Residential ☐ Commercial ☐ Industrial |
| showers (intermittent) ☐ ☐ | **Local Watershed Erosion** ☐ None ☐ Moderate ☐ Heavy  |
| % cloud cover, ☐ \_% ☐ \_% | **Local Watershed Non-Point Source Pollution**  |
| clear/sunny ☐ ☐ | ☐ No evidence ☐ Some potential sources |
| Has there been a heavy rain in the last 7 days?  | ☐ Obvious sources  |
|  ☐ Yes ☐No | Source：  |
| **RIPARIAN VEGETATION (18 meter buffer)**  | **Canopy Cover** ☐ Full Sun ☐ Partly shaded ☐ Shaded |
| **Identify the dominant cover and record the dominant species present** | **Proportion of Reach Represented by Stream Morphology Types** |
| ☐ Trees ☐ Shrubs ☐ Grasses ☐ Herbaceous | ☐ Riffle \_\_\_\_\_% ☐ Pool \_\_\_\_% ☐ Run \_\_\_\_% |
| **INSTREAM FEATURES**  | **Water Odors** |
| Estimated reach length **\_\_\_\_\_\_**m, width \_\_\_\_\_m |  ☐ None/Normal ☐ Sewage ☐ Petroleum  |
| Sampling reach area \_\_\_\_\_\_\_m2 |  ☐ Chemical ☐ Fishy ☐ Other \_\_\_\_\_\_\_\_\_\_ |
| Estimated stream depth \_\_\_\_m | **Substrate Odors** |
| Surface velocity (at thalweg: deepest channel)\_\_\_m/sec |  ☐ None/Normal ☐ Sewage ☐ Petroleum  |
|  |  ☐ Chemical ☐ Fishy ☐ Other \_\_\_\_\_\_\_\_\_\_\_ |

**Diatom Collection Data Sheet**

|  |  |
| --- | --- |
| Stream name | Location |
| Form completed by | Date \_\_\_\_\_\_\_\_\_ Time \_\_\_\_\_\_\_\_\_ AM PM  |
| **SAMPLE COLLECTION: How were the samples collected?** | **Type of Diatom Habitat Sampled:**  |
| ☐ wading ☐ from bank  | ☐ Benthic/Substrate (sand-silt-muck-mud)  |
| **Number of rocks sampled:** \_\_\_\_\_\_\_\_Sampling Technique ☐ suction device ☐ scraping  | ☐ Epilithic (on rocks) ☐ Epiphytic (on plants, roots, woody debris)☐ From surface water:  |
|  |  |
|  |  |