

# Hydrology Investigation

## Site Definition Sheet

School name: \_\_\_\_\_ Class or group name: \_\_\_\_\_

Name(s) of Student(s) filling in Site Definition Sheet: \_\_\_\_\_

Date: \_\_\_\_\_ Check one:  New Site  Metadata Update

Site Name: \_\_\_\_\_ (create a unique name that describes the location of your site)

**Coordinates:** Latitude: \_\_\_\_\_  N or  S Longitude: \_\_\_\_\_  E or  W

Elevation: \_\_\_\_\_ meter

Source of Location Data (check one):  GPS  Other \_\_\_\_\_

If Other, describe: \_\_\_\_\_

**Name of Water Body:** \_\_\_\_\_ (Name commonly used on maps)

### Water Type:

Salt (> 25 ppt)  Brackish (2-25 ppt)  Fresh (<2 ppt)

### Moving Water:

Stream, river or estuary

Other \_\_\_\_\_

Approximate width of moving water: \_\_\_\_\_ meters

### Standing Water:

Pond  Lake  Reservoir  Bay  Ditch  Ocean  Estuary

Other: \_\_\_\_\_

### Size of Standing Water:

Much smaller than 50 m X 100 m

Roughly 50 m X 100 m

Much larger than 50 m X 100 m

Approximate Area of Standing Water: \_\_\_\_\_ km<sup>2</sup>

Average Depth of Standing Water: \_\_\_\_\_ meters

### Sample Location:

Outlet  Bank  Bridge  Boat  Inlet  Pier

Can you see the bottom?:

Yes  No

**Channel/Bank Material** (Check all that apply):

- Soil    Rock    Concrete    Vegetated bank

**Bedrock** (Check all that apply):

- Granite    Lime stone    Volcanics    Mixed sediments    Don't Know

**Freshwater Habitats Present** (Check all that apply):

- Rocky substrate    Vegetated banks    Mud Substrate    Sand substrate  
 Submersed vegetation    Logs

**Saltwater Habitats Present** (Check all that apply):

- Rocky shore    Sandy shore    Mud flats/Estuary

**Thermometer Probe**

Manufacturer: \_\_\_\_\_

Model Name: \_\_\_\_\_

**Electrical Conductivity Meter**

Manufacturer: \_\_\_\_\_

Model Name: \_\_\_\_\_

**pH Meter**

Manufacturer: \_\_\_\_\_

Model Name: \_\_\_\_\_

**Dissolved Oxygen Kit**

Manufacturer:  Lamotte    Hach    Other : \_\_\_\_\_

Model Name: \_\_\_\_\_

**Dissolved Oxygen Probe**

Manufacturer: \_\_\_\_\_

Model Name: \_\_\_\_\_

**Alkalinity Kit**

Manufacturer:  Lamotte    Hach    Other : \_\_\_\_\_

Model Name: \_\_\_\_\_

**Nitrate Kit**

Manufacturer:  Lamotte    Hach    Other : \_\_\_\_\_

Method:  Zinc    Cadmium

Model Name: \_\_\_\_\_

**Salinity Titration Kit**

Manufacturer:  Lamotte    Hach    Other : \_\_\_\_\_

Model Name: \_\_\_\_\_

**Comments:** General description of your study site and metadata

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