

# Blackline Master 3-3

## Stream Study Data Recording Sheet

Recorder Names \_\_\_\_\_

Stream Name \_\_\_\_\_

Location \_\_\_\_\_

GPS Coordinates \_\_\_\_\_

Collection Date \_\_\_\_\_

### General Conditions

Time of Data Collection \_\_\_\_\_ am/pm

Days Since Last Data Collection \_\_\_\_\_

Weather Conditions (describe the weather as you see it...ie clear, cloudy, rainy, snowy)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Physical Measurements

Current Air Temperature \_\_\_\_\_ Co

Current Water Temperature \_\_\_\_\_ Co

Depth of Water (multiple trials across the stream)

Trial 1 \_\_\_\_\_ (m) Trial 2 \_\_\_\_\_ (m) Trial 3 \_\_\_\_\_ (m) Trial 4 \_\_\_\_\_ (m)

Average Depth \_\_\_\_\_ (m)

Distance across water \_\_\_\_\_ (m) Average Cross Section \_\_\_\_\_ (m<sup>2</sup>)

Total Average Cross Section \_\_\_\_\_ (m<sup>2</sup>)

Stream Surface Velocity (try this 3 times)

Distance in meters between the 2 flagged stakes \_\_\_\_\_ meters

Time it takes for the float to drift between the 2 flagged stakes

Trial 1 \_\_\_\_\_ seconds Trial 2 \_\_\_\_\_ seconds Trial 3 \_\_\_\_\_ seconds

Velocity (m/s) =

Trial 1 \_\_\_\_\_ m/s Trial 2 \_\_\_\_\_ m/s Trial 3 \_\_\_\_\_ m/s

Velocity Average \_\_\_\_\_ m/s

## Stream Study Data Recording Sheet page 2

### Chemical Measurements

pH \_\_\_\_\_ (1 – 14) Nitrite Test \_\_\_\_\_ 0 – 5 ppm (mg/L)

Nitrate Test \_\_\_\_\_ 0 – 160 ppm (mg/L) Ammonia Test \_\_\_\_\_ 0 – 8.0 ppm (mg/L)

Dissolved Oxygen \_\_\_\_\_ 2 – 14 ppm (mg/L)

### Observational Measurements

Water Turbidity \_\_\_\_\_ 10 – 250 (NTU)

### Invertebrate & Plant Identification

(these might be identified at a later time from pictures)

Record the date and time of each picture taken

Photo 1 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 2 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 3 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 4 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 5 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 6 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 7 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 8 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

Photo 9 Date/Time \_\_\_\_\_ Identification \_\_\_\_\_

### Streamside Plant Identification

Draw an aerial sketch of where the plants occur in relation to the stream on the next page.

Add the following features where they occur in your sampling location

Log

Riffles

Rapids

Overhanging bank or cutback

Rocks along a shoreline

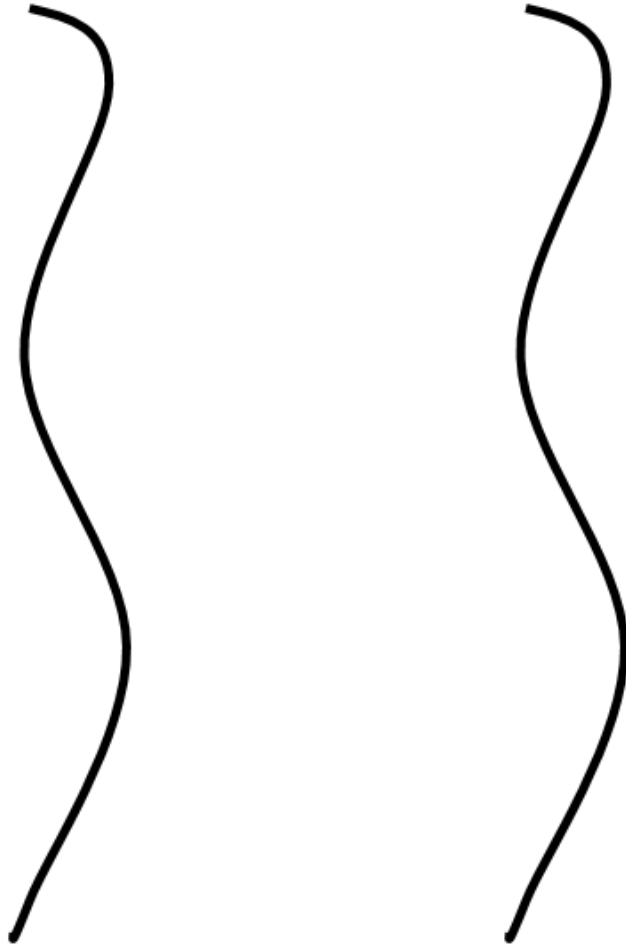
Garbage or Refuse

# Stream Study Data Recording Sheet page 3

## Streamside Plant Identification

(Draw an aerial sketch of where the plants occur in relation to the stream)

Write the names of the species in the place(s) where they occur



Add the following features where they occur in your sampling location



Overhanging bank or cutback along a shoreline



Garbage or Refuse

