

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 _____ (m²)

Total Average Cross Section _____ (m²)

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

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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 VVVVVV

Overhanging bank or cutback

Rocks along a shoreline

Garbage or Refuse