

# Appendix B

## *Volunteer Monitoring Data Sheet*

Trained Volunteer(s) \_\_\_\_\_  
Other Volunteer(s) \_\_\_\_\_  
Name of stream or river \_\_\_\_\_ County \_\_\_\_\_  
Site Number/Location \_\_\_\_\_

Basin \_\_\_\_\_ Date \_\_\_\_\_ Time (start) \_\_\_\_\_ (stop) \_\_\_\_\_

### **Current Weather**

Clear/Sunny \_\_\_\_\_  
Overcast \_\_\_\_\_  
Showers (intermittent rain) \_\_\_\_\_  
Rain (steady rain) \_\_\_\_\_  
Storm (heavy rain) \_\_\_\_\_

### **Recent Weather**

Clear/Sunny \_\_\_\_\_  
Overcast \_\_\_\_\_  
Showers (intermittent rain) \_\_\_\_\_  
Rain (steady rain) \_\_\_\_\_  
Storm (heavy rain) \_\_\_\_\_

### **VISUAL DATA**

#### **Water conditions**

<i>Water Color</i>	<i>Water Odor</i>	<i>Surface Coating</i>	<i>Streambed Coating</i>
clear _____	rotten egg _____	scum _____	orange-red _____
milky _____	sewage _____	foam _____	green _____
green/blue-green _____	fishy _____	oily _____	black _____
reddish _____	chlorine _____	none _____	brown _____
brown/tea _____	musky _____		grayish-white _____
muddy _____	petroleum _____		yellow _____
other (specify) _____	none _____		none _____

#### **Aquatic Vegetation**

<i>Algae Abundance</i>	<i>Algae Location</i>	<i>Algae Colors</i>	<i>Other Aquatic Plants</i>
most places _____	streambed _____	brown _____	most places _____
some spots _____	surface _____	dark green _____	some spots _____
none or very rare _____		light green _____	none or very rare _____

**CHEMICAL DATA** – all measurements (except temperature) should be taken twice  
 Parts per million (ppm) is equivalent to milligrams per liter (mg/L)  
 Use chart in standard operating procedures to find mg/L in total suspended solids.  
 Record inches and mg/L.

Parameter	Measurement 1	Measurement 2	Measurement 3 (in necessary)
Air Temperature (°C)			
Water Temperature (°C)			
pH			
Turbidity Tube Reading (inches)	Inches	Inches	Inches
Total Suspended Solids (mg/L)	mg/L	mg/L	Mg/L
Acidity (mg/L)			
Iron			
Chloride			
Conductivity			

**STREAM FLOW**

Small streams (less than 5 ft across)- find velocity and depth at one foot intervals  
 Large streams (greater than 5 ft across)- find velocity and depth at one to three foot intervals- depending on the size of the stream

Stream's width in ft \_\_\_\_\_  
 Stream's average depth in ft \_\_\_\_\_  
 Stream's velocity in ft/sec \_\_\_\_\_

Calculate: width (ft) x average depth (ft) x velocity (ft/sec) = FLOW (cfs)

\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

Stream Flow Worksheet

<b>Station (foot interval)</b>	<b>Velocity</b>	<b>Depth</b>	<b>Cfs (width x velocity x depth)</b>

*Problems/Notes/Observations*

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