



Boonshoft
Museum of Discovery

River Study

Hydrology Investigation Data Sheet

Name(s) of Students collecting data:

Measurement Time:

Year ____ Month: ____ Day: ____ Local Time ____

Name of Water Body

Water State: (check one)

Normal Flooded Dry Frozen

Moving Water (check one)

Stream, river, estuary
 Other _____

Can you see the bottom?

Yes No

Bank Material

Soil Rock Concrete Vegetated Bank

Chemical Test

Dissolved Oxygen Kit	
	ppm

5-6 ppm Sufficient for most species, <3 ppm Stressful to most aquatic species, <2 ppm Fatal to most species

Nitrate	mg/L
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< 10 mg/L is sufficient for most warm blooded animals

Physical Tests (Temperature, pH, Turbidity, Conductivity)

Temperature		
Using digital thermometer		

	Using Strip	Using Digital
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pH		
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Secchi Disk	Length (inches)	Length (cm)

Secchi Disk reaches the bottom and does not disappear. If checked enter depth to the bottom of the water site _____ (m)

Biological Test

Estimated Count	Letter	A=1-9 B= 10-99 C= 100 or More			
Group 1 TAXA		Group 2 TAXA		Group 3 TAXA	
• Water penny		• Damselfly		• <u>Blackfly</u>	

• Mayfly		• Dragonfly		• Aquatic worm	
• Stonefly		• Crane fly		• Midge	
• Dobsonfly		• Beetle larvae		• Pouch snail	
• Caddisfly		• Crayfish		• Leech	
• Riffle beetle		• Scud			
• Other snails		• Clam			
		• Sowbug			

Number of Taxa (times) Index value 3		Number of Taxa (times) Index value 2		Number of Taxa (times) Index value 1	
<p>CUMULATIVE INDEX = <input type="text"/></p> <p>VALUE</p> <p>Excellent (>22) <input type="checkbox"/> Good (17-22) <input type="checkbox"/></p> <p>Fair (11-16) <input type="checkbox"/> Poor (<11) <input type="checkbox"/></p>					