

# Phosphate Data Sheet

School: \_\_\_\_\_ Weather: \_\_\_\_\_  
 Teacher: \_\_\_\_\_  
 Stream Name: \_\_\_\_\_ Air Temperature: \_\_\_\_\_  
 Test Location: \_\_\_\_\_ Test Kit: LaMotte or Hach or Other \_\_\_\_\_  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Names of Student Monitors: \_\_\_\_\_

**Step #1:** Record at least 3 GOOD replicate sample values in the chart below.

Replicate #1	_____ mg/L
Replicate #2	_____ mg/L
Replicate #3	_____ mg/L
Replicate #4 (if needed)	_____ mg/L

**Step #2:** Record the average of your 3 replicate samples in the box below.

<b>Test Result</b>	_____ mg/L (record the average)
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**Step #3:** Record Phosphate test results from previous monitoring data recorded for your site in table below and compare results.

Test Result Date: _____	_____ mg/L
Test Result Date: _____	_____ mg/L

Comments from your comparison: \_\_\_\_\_

**Optimal Phosphate Levels:**  
 Phosphate levels in unpolluted water bodies should generally be below 0.1 mg/L. Sewage, fertilizers, detergents, animal wastes, and human disturbance of the land increase the amount of phosphorus in streams. The clearing of land and the draining of natural swamps and marshes contributes phosphorus into the water via soil erosion and the uncovering of accumulated organic deposits of phosphorus.

**Step #4:** Have the recorder sign in the following spaces once each activity is completed.

Test Completed \_\_\_\_\_ Date \_\_\_\_\_

Data Reviewed \_\_\_\_\_ Date \_\_\_\_\_

Data Transferred to  
 Master Data Sheet \_\_\_\_\_ Date \_\_\_\_\_

Comments/Questions: \_\_\_\_\_