

Nitrate 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. Remember to multiply by 4.4!!

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.

Test Result _____ mg/L (record the average)
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Step #3: Record Nitrate 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: _____

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 _____

Optimal Nitrate Levels: Nitrate levels in unpolluted water bodies should be below 1 mg/L. High nitrate levels can artificially stimulate plant growth resulting in algal blooms which speed up the aging process of aquatic systems. The main sources of nitrates are from failing septic systems, fertilizers, and runoff from cattle feedlots, dairies, and barnyards.

Comments/Questions: _____