

Fecal Coliform 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 run a blank sample plate (using just distilled water) to check for equipment contamination.

Replicate #1	_____ FC/100mL
Replicate #2	_____ FC/100mL
Replicate #3	_____ FC/100mL
Replicate #4 (if needed)	_____ FC/100mL

Step #2: Record the highest fecal coliform value of your 3 replicate samples in the box below.

Test Result	_____ FC/100mL (record the highest value)
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Step #3: Record fecal coliform test results from previous monitoring data recorded for your site in table below and compare results.

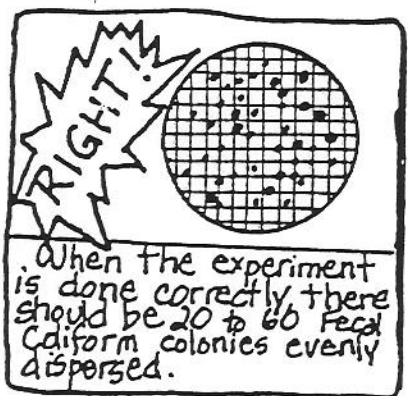
Test Result Date: _____	_____ FC/100mL
Test Result Date: _____	_____ FC/100mL

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 Fecal Coliform Levels: For the State of Washington to classify a river as having Class A water quality for salmon, fecal coliform levels should not exceed 100 FC/100mL, on average. However, less than 50 FC/100mL is optimal.



	growth around sealing edge means unclear filter holder or a poor seal.
	A dry spot without growth shows improper seating of filter
	Sample size was too large
	Uneven distribution is from not swirling the sample while filtering or not adding distilled H ₂ O to sample.