**WATER QUALITY DATA**

Record data in the table below. For several of the variables measured (see below), prepare graphs with the various sample quadrats on the x-axis and the variable in question on the y-axis. This could optionally be done by entering the data from the table into a spreadsheet and having the computer make the graphs.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location | 1st Quadrat | 2nd Quadrat | 3rd Quadrat | 4th Quadrat |
| Water Temperature  (°F) |  |  |  |  |
| pH  (range) |  |  |  |  |
| Alkalinity  (ppm) |  |  |  |  |
| Total Hardness  (ppm) |  |  |  |  |
| Nitrites  (ppm) |  |  |  |  |
| Nitrates  (ppm) |  |  |  |  |
| Turbidity  (feet) |  |  |  |  |

**Water Temperature**

**Turbidity**

50

55

60

65

70

75

80

1st Quadrat

2nd Quadrat

3rd Quadrat

4th Quadrat

Sample Quadrat

°F

0

½

1

1½

2

2½

3

1st Quadrat

2nd Quadrat

3rd Quadrat

4th Quadrat

Sample Quadrats

Feet

**What do your data tell you about the health of the stream and lake?**

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