|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Water Quality Data Table | | | | | |
|  | A |  | B | C | D |
| Test | Results:What you measured | Unit | Q-Value  Use the Q Value Graphs | Weighting  Factor | Subtotal:  BxC |
| Temperature |  | Degrees C |  | 0.11 |  |
| pH |  | pH unit |  | 0.11 |  |
| Turbidity |  | NTU |  | 0.08 |  |
| Total Solids |  | mg/L (ppm) |  | 0.07 |  |
| Dissolved Oxygen |  | % Saturation |  | 0.17 |  |
| Nitrates |  | mg/L (ppm) |  | 0.10 |  |

WQI Data and Calculations Sheet

Stream or Lake\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:**

1. **Record the test result for each test.**
2. **Using the weighted graph for each test, record the Q Value.**
3. **Multiply the Q Value in Column B by the weighting factor.**
4. **Record the resulting value of each test in the subtotal column. Add the sum of the subtotals in column D. Record the total in the Score space. Use the score to determine the WQI Rating from the graph provided. Write your rating below the Score.**

|  |  |
| --- | --- |
| **Score** |  |
| **WQI Rating** |  |

|  |  |
| --- | --- |
| **Water Quality Index Ratings** | |
| **57-64** | **Excellent** |
| **45-56** | **Good** |
| **32-44** | **Medium** |
| **16-31** | **Poor** |
| **0-15** | **Very Poor** |