

Stream Study Data Sheet

Date: 10/24/12 School: North East Middle School Stream: 16 Mile No. of students: 25

| | | | | 4 Excellent | 3 Good | 2 Fair | 1 Poor |
|--|--------|--------|--------|----------------|--------------|----------------|-------------|
| Bare Soil 3 | | | | 0-10% | 11-40% | 41-80% | 81-100% |
| Bank Erosion 3 | | | | Stable | Few | Overall | Extensive |
| Water Appearance: Slightly cloudy/slightly brown/ water was high | | | | | | | |
| Coliform Bacteria (MPN) POSITIVE | | | | | Negative | | Positive |
| Dissolved Oxygen | #1 - 4 | #2 - 4 | #3 - 8 | 91-110% | 71-90% | 51-70% | <50% |
| Nitrate | #1 6 | #2 7 | #3 4 | | | 5ppm | 20,40ppm |
| Phosphate | #1 1 | #2 2 | #3 1 | 1ppm | 2ppm | 4ppm | |
| pH | #1 8 | #2 8 | #3 8 | 7 | 6,8 | | 4,5,9,10,11 |
| Temperature Downstream <u>15 C</u> Upstream <u>14 C</u> Difference <u>1 C</u> | | | | 0-2 | 3-5 | 6-10 | >10 |
| Turbidity | #1 40 | #2 40 | #3 30 | 0 JTU | >0 to 40 JTU | >40 to 100 JTU | >100 JTU |
| Macroinvertebrates | | | | 16 and above | 12-15 | 8-11 | 7 or less |

Macroinvertebrate Data Sheet

| Macroinvertebrate | Number Found | Pollution Tolerant/Somewhat Tolerant/Intolerant |
|---|--------------|---|
| Stonefly Nymph | 2 | intolerant |
| Fishing spider | 1 | Somewhat tolerant |
| Midge Larva | 2 | Tolerant |
| Alderfly Larva | 1 | Intolerant |
| Amphipod or scud | 1 | Somewhat tolerant |
| <ul style="list-style-type: none"> Note - water levels were high | | |
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