

Saco River Basin Water Quality Monitoring Program - 2004 Season

Sampling Site Code LO11 - ME/NH Border off Whitehouse Road in Wakefield, NH

| | <u>04/15/04</u> | <u>04/29/04</u> | <u>05/13/04</u> | <u>05/27/04</u> | <u>06/10/04</u> | <u>06/24/04</u> | <u>07/08/04</u> | <u>07/22/04</u> | <u>08/05/04</u> | <u>08/19/04</u> | <u>09/02/04</u> | <u>09/16/04</u> | <u>09/30/04</u> | <u>10/14/04</u> | <u>10/28/04</u> | <u>Average</u> |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| pH (units) | 7.27 | 5.98 | 6.76 | 7.13 | 7.09 | 7.47 | 6.59 | 6.68 | 7.02 | 7.29 | 6.57 | 6.98 | 7.33 | 6.57 | 7.21 | 6.93 |
| Temperature (°C) | 4.00 | 9.50 | 17.00 | 15.00 | 21.50 | 21.00 | 23.90 | 25.00 | 24.50 | 23.00 | 23.00 | 20.50 | 17.50 | 14.50 | 10.00 | 17.99 |
| Turbidity (NTU) | 1.32 | 0.90 | 0.93 | 1.47 | 1.07 | 0.89 | 0.65 | 0.53 | 0.62 | 0.45 | 1.07 | 0.73 | 0.89 | 1.23 | 2.52 | 1.02 |
| Dissolved Oxygen (mg/L) | 15.66 | 10.98 | 7.69 | 10.55 | 8.69 | 7.78 | 7.70 | 7.89 | 7.80 | 8.01 | 7.87 | 8.24 | | 7.86 | 8.74 | 8.96 |
| Dissolved Oxygen (% saturation) | 120.90 | 96.80 | 80.20 | 105.60 | 97.80 | 87.50 | 91.20 | 95.70 | 94.60 | 93.20 | 91.60 | 89.70 | | 78.30 | 78.90 | 93.00 |
| Total Kjeldahl Nitrogen (mg/L) | 0.98 | 0.56 | 0.67 | 0.49 | 0.20 | 0.32 | 0.32 | 0.84 | 0.91 | 0.51 | <0.25 | <0.25 | <0.25 | <0.25 | 0.29 | 0.55 |
| Total Phosphorus (ug/L) | 0.16 | 0.06 | 0.14 | | | | | 5.20 | 7.20 | 6.00 | 5.10 | 5.70 | 6.30 | 5.20 | 17.60 | 7.29 |
| Orthophosphate (ug/L) | | | | | | | | | 1.40 | 1.00 | 1.10 | <1.00 | <1.00 | <1.00 | <2.00 | 1.17 |
| Escherichia coli (colonies/100mL) | 2.33 | 6.00 | 8.00 | 8.00 | 16.40 | 23.70 | 17.10 | 50.70 | 15.60 | 57.50 | 151.60 | 0.00 | 17.00 | 3.00 | 0.00 | 25.13 |

NOTES:

The first three Total Phosphorus results are reported in mg/L (ppm).

The Total Phosphorus average only incorporates those results reported in ug/L (ppb).