

Saco River Basin Water Quality Monitoring Program - 2008 Testing Season
Sampling Site Code O7 - ME/NH Border off Huntress Bridge Road in Freedom, NH

| | <u>04/16/08</u> | <u>04/30/08</u> | <u>05/14/08</u> | <u>05/28/08</u> | <u>06/11/08</u> | <u>06/25/08</u> | <u>07/09/08</u> | <u>07/23/08</u> | <u>08/06/08</u> | <u>08/20/08</u> | <u>09/03/08</u> | <u>09/17/08</u> | <u>10/01/08</u> | <u>10/15/08</u> | <u>Average</u> |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| pH (units) | | | 6.65 | 7.27 | 6.72 | 6.69 | 6.94 | 6.76 | 9.72 | 6.80 | 7.18 | 7.99 | 7.18 | 6.85 | 7.23 |
| Temperature (°C) | | | 13.40 | 16.40 | 23.30 | 21.50 | 26.30 | 24.50 | 22.50 | 20.50 | 21.80 | 18.40 | 17.70 | 14.10 | 20.03 |
| Turbidity (NTU) | | | 0.63 | 0.82 | 0.65 | 0.69 | 0.63 | 0.68 | 1.08 | 1.12 | 0.45 | 0.58 | 0.59 | 0.60 | 0.71 |
| Dissolved Oxygen (mg/L) | | | 9.97 | 4.70 | 7.26 | 8.38 | 7.29 | | 7.81 | 8.54 | 7.75 | 8.43 | 8.53 | 9.48 | 8.01 |
| Dissolved Oxygen (% saturation) | | | 95.40 | 44.60 | 85.20 | 94.80 | 90.30 | | 90.00 | 94.40 | 88.30 | 89.90 | 89.60 | 92.00 | 86.77 |
| Total Kjeldahl Nitrogen (mg/L) | - | | 0.25 | 0.25 | 0.25 | 0.27 | 0.25 | 0.25 | 0.25 | | 0.25 | 0.25 | 0.34 | 0.32 | 0.27 |
| Total Phosphorus (ug/L) | - | | 6.80 | 6.70 | 7.90 | 7.30 | 6.70 | 6.20 | 6.90 | 6.80 | 6.10 | 5.20 | 5.40 | 4.50 | 6.38 |
| Orthophosphate (ug/L) | - | | 14.2 | 2.9 | 3 | 2.40 | 3.00 | 1.40 | 2.10 | 5.20 | 2.70 | 2.20 | 2.70 | 2.30 | |
| Escherichia coli (colonies/100mL) | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 6.00 | n/a | n/a |

NOTES: