

**Saco River Basin Water Quality Monitoring Program - 2010 Testing Season**  
**Sampling Site Code S5 - Upriver of Brownfield Bog off Walkers Bridge Road in Fryeburg, ME**

|                                   | <u>05/18/10</u> | <u>06/01/10</u> | <u>06/15/10</u> | <u>06/29/10</u> | <u>07/13/10</u> | <u>07/27/10</u> | <u>08/10/10</u> | <u>08/24/10</u> | <u>09/07/10</u> | <u>09/21/10</u> |     |     |     |     | <u>Average</u> |     |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|-----|-----|-----|----------------|-----|
| pH (units)                        | 6.33            | 6.34            | 6.37            | 6.45            | 5.79            | 6.75            | 6.21            | 5.27            | 5.49            | 6.49            |     |     |     |     | 6.15           |     |
| Temperature (°C)                  | 14.30           | 19.10           | 16.30           | 20.60           | 24.80           | 24.60           | 23.00           | 18.70           | 20.00           | 14.70           |     |     |     |     | 19.61          |     |
| Turbidity (NTU)                   | 2.73            | 1.91            | 1.66            | 3.44            | 1.55            | 1.42            | 1.54            | 1.17            | 1.63            | 1.68            |     |     |     |     | 1.87           |     |
| Conductivity                      | 18.52           | 24.50           | 23.10           | 26.50           | 25.30           | 20.10           | 25.90           | 31.90           | 28.50           | 24.10           |     |     |     |     |                |     |
| Dissolved Oxygen (mg/L)           | 9.21            | 8.98            | 9.57            | 8.68            | 7.67            | 8.42            | 7.99            | 8.70            | 8.50            | 9.64            |     |     |     |     | 8.74           |     |
| Dissolved Oxygen (% saturation)   | 91.10           | 99.40           | 97.30           | 99.50           | 94.40           | 103.30          | 95.10           | 94.30           | 94.90           | 96.20           |     |     |     |     | 96.55          |     |
| Total Kjeldahl Nitrogen (mg/L)    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |     |     |     |                |     |
| Total Phosphorus (mg/L)           | n/a             | n/a             | n/a             | n/a             | n/a             | n/a             | n/a             | n/a             | n/a             | n/a             | n/a | n/a | n/a | n/a | n/a            | n/a |
| 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 | n/a | n/a | n/a            | n/a |

NOTES:

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\* water very high - lots of rain