

**Saco River Basin Water Quality Monitoring Program - 2011 Testing Season**  
**Sampling Site Code SPB26 - off South Street Bridge in Biddeford, ME**

|                                   | <u>05/27/11</u> | <u>06/10/11</u> | <u>06/24/11</u> | <u>07/08/11</u> | <u>07/22/11</u> | <u>08/05/11</u> | <u>08/19/11</u> | <u>09/02/11</u> | <u>09/16/11</u> | <u>09/30/11</u> | <u>10/14/11</u> | <u>Average</u> |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| pH (units)                        | 6.98            | 7.08            | 6.98            | 7.09            | 7.14            | 7.26            | 7.01            | 6.80            | 7.23            | 6.84            | 6.64            | 7.00           |
| Temperature (°C)                  | 16.80           | 19.50           | 15.10           | 19.50           | 24.90           | 19.50           | 18.70           | 18.20           | 15.30           | 15.80           | 13.70           | 17.91          |
| Turbidity (NTU)                   | 7.58            | 7.20            | 16.30           | 15.05           | 8.19            | 8.66            | 9.33            | 7.18            | 8.82            | 33.60           | 12.30           | 12.20          |
| Conductivity                      | 34.50           | 46.20           | 50.40           | 52.80           | 56.10           | 59.00           | 57.00           | 53.30           | 54.20           | 50.60           | 47.50           | 51.05          |
| Dissolved Oxygen (mg/L)           | 8.71            | 7.90            | 9.03            | 8.18            | 6.30            | 7.93            | 7.55            | 8.08            | 8.64            | 8.28            | 8.62            | 8.11           |
| Dissolved Oxygen (% saturation)   | 90.50           | 86.90           | 89.65           | 89.10           | 76.90           | 86.10           | 81.10           | 85.30           | 85.60           | 84.30           | 84.50           | 85.45          |
| Total Kjeldahl Nitrogen (mg/L)    | 0.36            |                 |                 |                 |                 |                 | 0.29            |                 |                 |                 | 0.69            | 0.45           |
| Total Phosphorus (ug/L)           | 45.60           |                 |                 |                 |                 |                 | 41.30           |                 |                 |                 | 75.10           | 54.00          |
| Escherichia coli (colonies/100mL) | 95.90           | 148.30          | 770.10          | 125.90          |                 | 112.60          | 72.70           | 101.70          | 344.80          | >2419.6         | 1553.10         | 369.46         |

NOTES:

Swan Pond Brook is on DEP impaired stream list, notoriously high bacteria

\*