

Saco River Basin Water Quality Monitoring Program - 2016 Testing Season
Sampling Site Code O22 - Bridge Street/River Road Bridge (Ossipee River) Cornish/Hiram

| | <u>05/18/16</u> | <u>06/01/16</u> | <u>06/15/16</u> | <u>06/29/16</u> | <u>07/01/16</u> | <u>07/13/16</u> | <u>07/27/16</u> | <u>08/10/16</u> | <u>08/24/16</u> | <u>09/07/16</u> | <u>09/21/16</u> | <u>Average</u> |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| pH (units) | 6.55 | 6.76 | 6.65 | 6.59 | | 6.81 | 6.79 | 6.84 | 6.86 | 6.67 | | 6.72 |
| Temperature (°C) | 13.30 | 20.70 | 17.80 | 22.80 | | 21.85 | 24.20 | 21.30 | 20.80 | 21.10 | | 20.43 |
| Turbidity (NTU) | 2.75 | 1.03 | 1.42 | 1.30 | | 1.23 | 0.68 | 1.03 | 0.54 | 0.56 | | 1.17 |
| Conductivity | 23.20 | 25.05 | 25.70 | 26.10 | | 25.70 | 25.70 | 29.50 | 27.60 | 29.30 | | 26.43 |
| Dissolved Oxygen (mg/L) | 10.33 | 8.47 | 8.88 | 7.99 | | 8.31 | 7.75 | 8.25 | 8.11 | 8.37 | | 8.49 |
| Dissolved Oxygen (% saturation) | 99.30 | 94.65 | 94.65 | 93.90 | | 95.35 | 93.40 | 93.25 | 90.60 | 95.10 | | 94.47 |
| Total Kjeldahl Nitrogen (mg/L) | 0.38 | 0.32 | * | 0.38 | | 0.42 | 0.40 | | 0.25 | 0.25 | | 0.34 |
| Alkalinity | | | | | | | | 9.40 | | | | 9.40 |
| Orthophosphate | | * | | * | | | | | 0.050 | | | |
| Escherichia coli (colonies/100mL) | 9.80 | 13.40 | 57.30 | 613.1** | 52.00 | 25.00 | 57.60 | 29.20 | 40.40 | 9.60 | | 32.70 |

NOTES: *Compound was analyzed for but not detected above the specified level.

** Retested on 7/1/2016