

**Saco River Basin Water Quality Monitoring Program - 2010 Testing Season**  
**Sampling Site Code OCS4-C - off Route 5 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)	6.27	6.14	6.23	6.28	5.23	6.05			5.05	6.26	5.94
Temperature (°C)	15.20	19.70	18.00	22.90	25.80	23.00	23.50	19.60	20.00	14.20	20.19
Turbidity (NTU)	1.58	2.26	1.50	1.91	2.13	2.29	1.75	2.21	1.74	1.63	1.90
Conductivity	14.91	17.38						15.94	18.16	17.78	
Dissolved Oxygen (mg/L)	8.05	7.19		5.68	4.24		5.68	5.80	6.57	8.17	6.42
Dissolved Oxygen (% saturation)	81.30	80.40	80.60	66.10	52.10		66.80	64.20	73.40	80.60	71.72
Total Kjeldahl Nitrogen (mg/L)	0.43	0.25	0.31							0.25	0.25
Alkalinity	5.00	8.10	6.80							6.90	6.70
Escherichia coli (colonies/100mL)	75.90	178.50	261.30	150.00	59.10	43.20	125.90		120.10	114.50	125.39
Total Phosphorus (ug/l)	10.1	24.7	*56.3							11.6	15.4667
Orthophosphate (ug/l)	1.2	2.2	1							2.3	1.675

Notes:\*surrounding 10,000 acres are fertilized fields likely contributing to this reading although this is not normal