

SRCC Conductivity Testing 2008-2009

Sampling Site: S2-C - Westons Bridge Route 113 in Fryeburg, ME

Sample Date	12/3/08	N/A	N/A	N/A	N/A	N/A	N/A	3/24/09	4/7/09	4/22/09	5/4/09	Average	Highest	Lowest
pH (units)	6.46							6.51	6.25	6.42	6.23	6.35	6.51	6.23
Turbidity (NTU)	0.62							0.82	7.63	5.13	1.22	3.08	7.63	0.62
Conductivity (uS/cm)	42.7							18.4	8.63	8.4	12.62	18.15	42.7	8.4
Disolved Oxygen (mg/l)	12.6							12.88	12.18	11.81	10.52	12.00	12.88	10.52
Disolved Oxygen (%)	94.8							95.4	97.3	100.55	97.9	97.19	100.55	94.8
Temperature (Celcius)	2.5							2.5	4	7	11	5.40	11	2.5

Sampling Site: S3-C Canal Bridge in Fryeburg, ME

Sample Date	12/3/08	12/30/08	1/12/09	1/26/09	02/10/09	02/24/09	N/A	03/24/09	04/07/09	04/22/09	05/04/09	Average	Highest	Lowest
pH (units)	6.45	6.49	6.5	6.57	6.41	6.57		6.23	6.41	6.59	6.45	6.47	6.59	6.23
Turbidity (NTU)	0.47		0.76	0.93	1.07	1.47		0.78	10.1	5.38	0.87	2.43	10.1	0.47
Conductivity (uS/cm)	44.35	34.8	54.4	66	21.92	22		19.13	9.72	9.75	11.74	29.38	66	9.72
Disolved Oxygen (mg/l)	13.3	13.19	12.71	12.67	12.65	12.75		13.13	11.96	11.94	10.89	12.52	13.3	10.89
Disolved Oxygen (%)	98.2	94.7	91.05	89.7	89.2	91.9		95	98.3	100.15	97.2	94.54	100.15	89.2
Temperature (Celcius)	2	1	0.5	0.5	0.5	1		2	4	7	9.5	2.80	9.5	0.5

Sampling Site: S4-C Canal Bridge in Fryeburg, ME															
Sample Date	12/3/08	12/30/08	1/12/09	N/A	2/10/09	2/24/09	N/A	3/24/09	4/7/09	4/22/09	5/4/09	Average	Highest	Lowest	
pH (units)	6.49	5.57	6.08		6.3	6.45		6.48	6.22	6.42	6.34	6.26	6.49	5.57	
Turbidity (NTU)	1.48	2.11	0.89		1.05	1.04		1.01	9.1	3.71	1.45	2.43	9.1	0.89	
Conductivity (uS/cm)	32.3	31.8	46.8		19.47	16.95		16.01	10.35	10.5	10.19	21.60	46.8	10.19	
Disolved Oxygen (mg/l)	12.45	13.02	12.17		10.99	12.06		12.15	11.68	11.62	9.96	11.79	13.02	9.96	
Disolved Oxygen (%)	90.5	92.7	85.35		80.25	85.85		88.5	94.55	98.85	93.3	89.98	98.85	80.25	
Temperature (Celcius)	1.5	1	0.5		1	1		2	4	7	11	3.22	11	0.5	
Sampling Site: OCS-C Old Course Route 5 Bridge in Fryeburg, ME															
Sample Date	12/3/08	12/30/08	N/A	N/A	N/A	N/A	N/A	3/24/09	4/7/09	4/22/09	5/4/09	Average	Highest	Lowest	
pH (units)	6.3	6.29						6.44	6	6.22	6.18	6.24	6.44	6	
Turbidity (NTU)	0.79	0.95						0.95	1.2	1	1.51	1.07	1.51	0.79	
Conductivity (uS/cm)	25.6	31.9						10.88	7.53	8.75	11.68	16.06	31.9	7.53	
Disolved Oxygen (mg/l)	11.47	11.4						11.02	10.83	10.04	8.58	10.56	11.47	8.58	
Disolved Oxygen (%)	83.1	83.55						82.15	87.3	88.3	85.3	84.95	88.3	82.15	
Temperature (Celcius)	1	1.5						1.5	4.5	8.5	14.5	5.25	14.5	1	

Sampling Site: S22-C Hiram Bridge Route 5/113																
Sample Date	12/3/08	12/31/08	N/A	N/A	N/A	N/A	N/A			3/23/09	4/7/09	4/22/09	5/4/09	Average	Highest	Lowest
pH (units)	6.28	6.34								6.36	6.08	6.4	6.29	6.29	6.4	6.08
Turbidity (NTU)	1.9	1.65								1.33	3.19	1.24	2.13	1.91	3.19	1.24
Conductivity (uS/cm)	30.4	34.5								15.31	9.41	10.58	9.4	18.27	34.5	9.4
Disolved Oxygen (mg/l)	12.41	12.75								11.71	10.96	10.56	9.63	11.34	12.75	9.63
Disolved Oxygen (%)	90.04	91.35								90.5	88.6	95.85	93.4	91.62	95.85	88.6
Temperature (Celcius)	1.5	0.5								3.5	4	9	13	5.25	13	0.5
Sampling Site: OS9-C Baldwin/Cornish Station Bridge																
Sample Date	12/5/08	12/31/08	1/13/09	1/26/09	2/10/09	2/25/09	N/A			3/23/09	4/7/09	4/22/09	5/4/09	Average	Highest	Lowest
pH (units)	6.85	6.76	6.67	6.44	6.53	6.47				6.73	6.32	6.54	6.54	6.59	6.85	6.32
Turbidity (NTU)	1.23	2.07	1.04	0.82	0.93	0.73				0.75	2.18	0.99	1.37	1.21	2.18	0.73
Conductivity (uS/cm)	37.1	39.4	44.9	48.4	16.45	16.21				15.07	11.23	11.41	10.98	25.12	48.4	10.98
Disolved Oxygen (mg/l)	13.33	13.7	13.66	13.31	13.07	13.2				12.62	12.18	11.19	10.15	12.64	13.7	10.15
Disolved Oxygen (%)	98.9	97.4	97.2	92.6	92.1	92.9				95.75	98.2	100.95	99.7	96.57	100.95	92.1
Temperature (Celcius)	2	0.5	1	0	0.5	0.5				3	4	9.5	14	3.50	14	0

Sampling Site: O6-C Route 153 Bridge in Effingham, NH															
Sample Date	12/5/08	1/3/09	1/13/09	1/26/09	02/10/09	02/25/09	N/A	03/23/09	04/07/09	04/20/09	05/04/09	Average	Highest	Lowest	
pH (units)	6.86	6.67	6.73	6.47	6.46	6.77		6.54	6.32	6.63	6.5	6.60	6.86	6.32	
Turbidity (NTU)	0.86	1.27	0.96	0.8	0.77	2.48		0.81	3.11	2.87	0.68	1.46	3.11	0.68	
Conductivity (uS/cm)	41.7	44.9	42.2	45.7	15.47	15.82		15.2	6.2	12.64	14.37	25.42	45.7	6.2	
Disolved Oxygen (mg/l)	12.76	12.82	13	13.16	12.79	12.74		11.81	11.39	11.42	10.23	12.21	13.16	10.23	
Disolved Oxygen (%)	95.6	94.8	92.5	91.3	89.3	90.7		90.7	95.8	103	104.1	94.78	104.1	89.3	
Temperature (Celcius)	2.5	1	0.5	0.5	0.5	1		3.5	6	10	15	4.05	15	0.5	
Sampling Site: O9-C Kezar Fall Bridge in Parsonsfield															
Sample Date	N/A	12/31/08	1/13/09	1/26/09	2/10/09	2/25/09	N/A	3/23/09	4/7/09	4/20/09	5/4/09	Average	Highest	Lowest	
pH (units)		7.4	6.84	6.24	6.26	6.56		6.72	6.29	6.69	6.73	6.64	7.4	6.24	
Turbidity (NTU)		1.39	0.8	0.88	0.56	0.48		1.2	1.3	0.75	0.56	0.88	1.39	0.48	
Conductivity (uS/cm)		40.2	43.6	46.1	15.55	15.49		15.25	12.09	13.38	12.74	23.82	46.1	12.09	
Disolved Oxygen (mg/l)		13.45	13.46	13.57	13.07	13.22		12.69	11.86	11.04	9.9	12.47	13.57	9.9	
Disolved Oxygen (%)		97.5	95.65	94.2	91.55	93.35		95.25	94.8	98.25	99.4	95.55	99.4	91.55	
Temperature (Celcius)		1	0.5	0.5	0.5	0.5		2	4	9	15	3.67	15	0.5	

Sampling Site: LO25-C Chadbourne Ridge Road in Waterboro																
Sample Date	N/A	1/3/09	1/13/09	1/26/09	2/10/09	N/A	N/A	3/23/09	4/7/09	4/20/09	5/4/09	Average	Highest	Lowest		
pH (units)		6.79	6.76	6.51	6.55			6.55	6.59	6.9	7.05	6.71	7.05	6.51		
Turbidity (NTU)		0.62	0.63	0.53	0.31			0.5	0.52	0.99	0.55	0.58	0.99	0.31		
Conductivity (uS/cm)		94.6	98	95.7	31.6			29.1	24.6	29.7	25.3	53.58	98	24.6		
Disolved Oxygen (mg/l)		11.92	11.74	11.34	10.88			10.72	10.92	9.82	9.62	10.87	11.92	9.62		
Disolved Oxygen (%)		93.4	87.05	83	79.3			84.8	92.3	91.2	100.3	88.92	100.3	79.3		
Temperature (Celcius)		3	2	2	2			5	6	12	16	6.00	16	2		