

15C-OYS, Oyster River, Emerald Drive, Barrington - Class A

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	>6.0	>75% Daily Average	6.5 - 8.0	As naturally occurring	<835 µS/cm ^A	NA	<153	<47
04/19/2013	10:22	10.20	93.2	4.78	0.22	88.0	11.4		
05/17/2013	10:10	8.87	85.1	4.98	0.19	97.7	13.6		
06/21/2013	10:25	8.38	86.0	4.70	0.36	94.1	16.6		
07/19/2013	10:48	8.19	97.2	5.12	0.66	106.2	24.1		
07/25/2013	10:00							40	
08/20/2013	10:35							30	
08/23/2013	10:30	6.92	75.4	5.37	0.31	88.9	19.5		
09/19/2013	10:16							20	29
10/18/2013	10:20	8.98	85.2	5.08	0.20	73.2	13.0		
11/15/2013	10:12	11.38	80.3	5.59	0.44	75.9	2.0		
11/21/2013	9:35							<10	

13A-OYS, Oyster River, Route 125 Crossing South of Lee Traffic Circle, Lee - Class A

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	>6.0	>75% Daily Average	6.5 - 8.0	As naturally occurring	<835 µS/cm ^A	NA	<153	<47
04/19/2013	10:02	8.14	76.7	5.64	0.58	106.5	12.7		
05/17/2013	9:52	4.15	41.9	5.58	0.81	135.9	15.9		
06/21/2013	9:55	4.39	46.8	5.29	1.07	107.5	18.6		
07/19/2013	10:12	3.30	40.3	5.62	1.61	124.0	25.9		
07/25/2013	9:35							50	
08/20/2013	10:25							110	
08/23/2013	10:00	3.16	36.0	5.84	1.51	147.2	22.2		
09/19/2013	9:56							80	76
10/18/2013	9:50	4.45	44.3	5.71	1.81	120.8	13.6		
11/15/2013	9:45	8.10	58.8	6.01	2.34	141.2	2.2		
11/21/2013	9:12							<10	

01-XBB - Wheelright Pond Outlet, Stepping Stone Road Bridge, Lee - Class A

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	>6.0	>75% Daily Average	6.5 - 8.0	As naturally occurring	<835 µS/cm ^A	NA	<153	<47
04/20/2013	10:40	9.40	88.6	6.56	0.62	117.6	12.6		
05/18/2013	11:10	6.83	69.5	6.56	1.43	153.8	16.1		
06/22/2013	12:05	6.59	80.5	6.55	0.39	120.0	24.0		
07/20/2013	10:40	4.29	55.7	6.57	0.56	122.3	29.0		
07/25/2013	9:25							50	
08/20/2013	7:32							40	
08/24/2013	12:07	5.86	62.4	6.81	0.90	130.8	18.4		
09/19/2013	9:51							70	52
09/21/2013	10:15	4.44	46.8	6.30	1.06	115.3	18.1		
10/19/2013	11:24	4.09	38.6	6.39	0.79	119.2	12.8		
11/16/2013	11:10	10.97	87.4	6.79	0.9	120.2	5.5		
11/21/2013	9:06							<10	

01-DBE, Dube Brook, Cherry Lane Bridge, Madbury - Class A

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	>6.0	>75% Daily Average	6.5 - 8.0	As naturally occurring	<835 µS/cm ^A	NA	<153	<47
04/20/2013	10:10	9.42	87.8	6.62	4.11	93.8	12.2		
05/18/2013	10:30	9.93	95.1	6.95	4.23	119.7	13.4		
06/22/2013	11:00	8.52	91.4	6.88	9.92	108.0	18.8		
07/20/2013	10:10	5.85	70.2	6.92	11.1	143.8	23.9		
07/25/2013	9:05							290	
08/20/2013	9:55							280	
08/24/2013	11:06	6.29	62.6	6.88	21	147.2	15.2		
09/19/2013	9:31							160	235
09/21/2013	9:45	8.45	83.2	6.44	4.55	107.0	14.6		
10/19/2013	10:39	9.74	85.4	7.01	4.39	126.3	9.5		
11/16/2013	10:25	12.42	92.3	6.94	4.34	131.1	2.6		
11/21/2013	8:52							<10	

09-OYS, Oyster River, Route 155A Bridge (USGS Gaging Station), Lee - Class A (NHDES Trend Station)

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean	Chloride (mg/L)
Standard	NA	>6.0	>75% Daily Average	6.5 - 8.0	As naturally occurring	<835 µS/cm ^A	NA	<153	<47	230 ^B
02/28/2013	12:35	13.7	95.1	6.18	8.1	220.5	0.5			30
04/19/2013	9:20	9.71	91.0	6.63	1.88	100.4	12.4			
05/17/2013	9:05	7.62	75.0	6.51	6.48	183.7	14.6			
06/17/2013	9:00	8.58	88.7	6.71	4.15	122.1	17.0	70		19
06/21/2013	9:03	7.73	80.9	6.50	4.15	136.0	17.7			
07/12/2013	8:50	7.91	88.8	6.27	5.31	127.1	21.2	400		21
07/19/2013	9:15	6.92	83.1	6.60	5.41	148.6	24.5			
07/25/2013	8:50							340		
08/09/2013	8:50	6.46	73.1	6.91	6.71	175.8	21.4	70	161	34
08/20/2013	9:41							180	203	
08/23/2013	9:08	5.91	66.3	6.59	4.49	192.3	21.2			
09/19/2013	9:21							220	121	
10/11/2013	9:15	9.35	85.0	6.59	3.05	182.1	11.1	50	126	38
10/18/2013	9:10	8.15	78.3	6.44	2.83	170.1	13.4			
11/15/2013	9:50	11.99	86.0	6.62	2.76	162.0	1.8			
11/21/2013	8:36							20		

09-OYS, Oyster River, Route 155A Bridge (USGS Gaging Station), Lee - Class A (Continued)

Date	Time of Sample	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO ₂) + Nitrate(NO ₃) (mg/L)	Total Nitrogen (mg/L)
Standard	NA	Narrative	Narrative	Narrative	Narrative
02/28/2013	12:35	0.0310	0.35	0.17	0.52
06/17/2013	9:00	0.0259	0.25	ND	0.28 ^C
07/12/2013	8:50	0.0514	0.62	0.08	0.70
08/09/2013	8:50	0.0559	0.68	0.11	0.79
10/11/2013	9:15	0.0278	0.43	ND	0.46 ^C

01-HML, Hamel Brook, Route 108 Bridge, Durham - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	>5.0	>75% Daily Average	6.5 - 8.0	<10 NTU above background	<835 µS/cm ^A	NA	<406	<126
04/20/2013	8:45	7.50	70.8	6.67	3.49	242	12.7		
05/18/2013	8:57	6.93	66.6	6.75	2.55	298	13.0		
06/22/2013	9:25	7.30	74.3	6.87	4.06	298	16.9		
07/20/2013	8:35	1.35	16.2	6.26	4.13	170	24.3		
07/25/2013	8:08							200	
08/20/2013	7:50							340	
08/24/2013	8:50	4.31	43.4	6.86	2.89	354	15.9		
09/19/2013	8:36							260	261
09/21/2013	8:30	5.91	57.3	6.68	2.67	289	19.0		
10/19/2013	8:45	4.71	41.8	6.98	5.12	292	9.8		
11/16/2013	8:45	7.12	51.3	6.81	4.81	277	2.3		
11/21/2013	7:54							<10	

