

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 μ S/cm ^A	NA	<153	<47
06/23/2012	10:15	2.18	26.1	5.48	1.80	98.2	24.0		
07/14/2012	11:06	2.74	32.2	5.51	3.88	114.6	23.6		
07/28/2012	10:10	2.57	28.5	5.62	8.10	154.7	21.8		
08/09/2012	10:00							9	
08/11/2012	10:04	3.59	41.4	5.71	3.27	155.8	22.8		
08/22/2012	8:39							50	
08/25/2012	9:23	4.32	48.1	5.55	2.12	102.4	20.8		
09/05/2012	9:40							90	34
09/15/2012	10:40	3.79	40.2	5.71	2.34	138.2	17.8		
09/20/2012	7:55							100	77
10/02/2012	9:15							40	71
10/13/2012	10:04	4.64	41.3	5.75	1.95	116.3	8.7		
11/15/2012	9:26							< 10	27

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 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<153	<47
06/23/2012	10:30	4.77	60.2	6.21	0.57	113.4	26.6		
07/14/2012	11:13	4.87	60.6	6.30	0.92	117.3	26.5		
07/28/2012	9:55	4.24	49.8	6.30	0.80	119.2	23.1		
08/09/2012	9:52							190	
08/11/2012	9:50	3.07	36.3	6.16	1.60	119.9	22.9		
08/22/2012	8:33							170	
08/25/2012	9:10	4.37	50.3	6.28	1.28	120.5	22.3		
09/05/2012	9:05							420	238
09/15/2012	10:09	3.82	40.2	6.24	2.25	121.3	17.7		
09/20/2012	7:50							80	179
10/02/2012	9:08							100	150
10/13/2012	9:50	6.40	50.3	6.28	0.64	119.6	5.1		
11/15/2012	9:19							< 10	34

01-WDY, Wendy's Brook, Footbridge 500' Upstream of Confluence with Oyster River, 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 μ S/cm ^A	NA	<153	<47
06/23/2012	9:30	8.02	88.5	6.53	6.91	328.9	20.1		
07/14/2012	9:45	6.90	76.9	6.83	8.56	1065.0	20.4		
07/28/2012	9:40	8.11	89.5	6.69	9.09	626.0	20.1		
08/09/2012	9:46							950	
08/11/2012	9:35	7.21	80.9	6.59	8.86	390.2	21.1		
08/22/2012	8:46							2100	
08/25/2012	9:50	7.33	79.7	6.85	9.73	1179.0	19.1		
09/05/2012	9:15							9100	2628
09/15/2012	9:55	6.99	72.1	6.85	4.47	1191.0	16.8		
09/20/2012	8:30							990	2665
10/02/2012	9:28							990	2074
10/13/2012	8:26	8.49	69.6	6.76	3.93	722.0	6.4		
11/15/2012	9:13							150	528

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 μ S/cm ^A	NA	<153	<47
06/23/2012	8:46	6.67	76.8	6.56	8.56	116.4	22.3		
07/14/2012	8:48	6.02	67.9	6.61	14.40	137.1	20.7		
07/28/2012	8:47	6.58	72.3	6.74	14.00	136.9	20.0		
08/09/2012	9:29							670	
08/11/2012	8:54	6.59	74.5	6.76	17.40	150.0	21.3		
08/22/2012	8:18							500	
08/25/2012	8:39	5.10	55.0	6.70	17.20	144.1	18.7		
09/05/2012	8:49							6400	1289
09/15/2012	8:57	5.83	58.5	6.73	9.08	155.0	15.6		
09/20/2012	7:31							1030	1488
10/02/2012	8:50							80	808
10/13/2012	8:47	9.11	70.8	6.77	3.51	142.4	4.6		
11/15/2012	8:55							< 10	74

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

Date	Time of Sample	Chloride (mg/L)	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO ₂) + Nitrate(NO ₃) (mg/L)	Total Nitrogen (mg/L)
Standard	NA	230 ^B	NA	NA	NA	NA
06/27/2012	9:30	14	0.048	0.59	0.051	0.641
07/24/2012	10:24	25	0.046	0.54	0.100	0.640
08/20/2012	11:00	30	0.040	0.60	0.063	0.663

07-OYS, Oyster River, Footbridge, College Woods, Durham, NH - 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 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<153	<47
06/22/2012	9:00	5.57	63.2	6.35	5.38	160.4	21.8		
07/13/2012	9:20	6.60	74.0	6.74	5.87	192.9	20.7		
07/27/2012	9:10	6.26	67.8	6.75	4.82	224.2	19.3		
08/09/2012	8:48							50	
08/10/2012	9:40	6.60	76.3	6.79	3.46	240.3	21.8		
08/22/2012	7:32							50	
08/24/2012	9:12	6.02	64.3	6.60	3.25	210.3	18.9		
09/05/2012	8:10							550	111
09/14/2012	9:20	7.15	71.6	6.77	3.18	233.8	15.6		
09/20/2012	9:45							220	182
10/02/2012	8:12							40	169
10/12/2012	10:03	7.64	67.3	6.74	2.61	232.4	9.6		
11/15/2012	8:15							< 10	35

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 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<406	<126
06/22/2012	8:30	3.65	41.5	6.47	4.62	246.6	21.9		
07/13/2012	8:55	4.09	44.3	6.59	3.47	290.1	19.3		
07/27/2012	8:38	4.72	50.5	6.74	12.00	275.8	18.4		
08/09/2012	8:38							60	
08/10/2012	9:10	3.86	43.6	6.76	2.21	354.7	21.5		
08/22/2012	7:24							310	
08/24/2012	10:54	3.39	36.9	6.65	2.71	361.1	19.5		
09/05/2012	7:51							3600	406
09/14/2012	9:00	3.31	32.6	6.80	2.84	288.1	14.8		
09/20/2012	9:23							380	751
10/02/2012	7:52							220	670
10/12/2012	9:32	4.40	38.0	6.50	4.25	319.0	8.9		
11/15/2012	7:58							40	150

00E-CGB - College Brook, Mill Pond Road 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
06/22/2012	7:20	7.36	81.0	7.26	2.66	513.0	19.9		
07/13/2012	7:15	7.56	81.5	7.34	2.74	1033.0	19.1		
07/27/2012	7:00	6.18	67.4	6.81	5.47	386.3	19.5		
08/09/2012	6:49							1720	
08/10/2012	7:30	6.63	78.0	7.36	1.73	930.0	21.7		
08/22/2012	6:49							390	
08/24/2012	8:25	7.97	87.3	7.37	1.52	1043.0	19.7		
09/05/2012	7:45							2400	1172
09/14/2012	7:45	7.57	75.8	7.49	1.82	1432.0	15.9		
09/20/2012	8:40							1800	1190
10/02/2012	7:35							> 20000	4421
10/12/2012	8:00	7.97	71.3	7.25	2.02	871.0	10.5		
11/15/2012	7:20							40	1129

00J-PRB, Pettee Brook, Sauer Terrace, 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 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<406	<126
06/22/2012	7:35	7.22	79.3	7.18	2.90	457.0	20.0		
07/13/2012	7:40	8.25	88.4	7.50	2.52	1347.0	19.0		
07/27/2012	7:55	6.29	68.6	6.95	8.15	435.7	19.5		
08/09/2012	8:02							180	
08/10/2012	7:50	7.11	81.2	7.47	1.65	1294.0	21.7		
08/22/2012	6:55							100	
08/24/2012	9:46	7.74	85.0	7.44	2.18	1199.0	19.4		
09/05/2012	7:35							30000	814
09/14/2012	8:05	7.50	76.8	7.52	1.34	1162.0	16.3		
09/20/2012	8:50							750	1310
10/02/2012	7:25							710	2519
10/12/2012	8:45	8.75	77.8	7.23	2.73	639.0	10.1		
11/15/2012	7:25							1010	813

03-JNC, Johnson Creek, Freshet Road 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 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<406	<126
06/22/2012	8:12	7.77	86.5	7.00	7.16	365.5	20.7		
07/13/2012	8:25	8.92	95.5	7.05	8.37	382.8	18.6		
07/27/2012	8:21	7.33	78.5	6.93	9.90	327.1	18.6		
08/09/2012	8:23							90	
08/10/2012	8:45	7.40	83.6	6.95	1.13	220.6	21.3		
08/22/2012	7:13							20	
08/24/2012	10:33	7.59	81.7	6.95	4.53	287.8	18.9		
09/05/2012	7:10							2400	163
09/14/2012	8:45	8.39	84.4	7.05	1.08	232.2	15.3		
09/20/2012	9:15							380	263
10/02/2012	7:10							90	435
10/12/2012	9:15	8.60	75.1	6.70	4.79	331.0	9.3		
11/15/2012	7:45							180	183