

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Mainstem	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
ABT-026	Rte 2, Concord	3/20/2022	8:00 AM	9.8	95.2	10.77	505	6.94
ABT-077	Rte 27/USGS, Maynard	3/20/2022	9:30 AM	10.0	98.1	11.05	515	7.15
ABT-301	Rte 9, Westboro	3/20/2022	8:15 AM	9.1	89.3	10.28	541	6.99
ABT-312	Mill Road, Westboro	3/20/2022	8:40 AM	9.2	98.8	11.37	236	7.08
CND-009	Rogers St, Lowell	3/20/2022	9:30 AM	9.8	101.4	11.49	546	7.01
SUD-005	Rte 62 Boat House, Concord	3/20/2022	7:20 AM	10.3	99.8	11.17	537	6.92
SUD-144	Sudbury Landing, Framingham	3/20/2022	7:55 AM	7.9	98.8	11.69	568	7.19
SUD-293	Fruit Street	3/20/2022	9:25 AM	9.2	62.6	7.14	455	6.55

Summary Statistics for Mainstem Sites

Maximum	10.30	101.4	11.69	568	7.19
Minimum	7.90	62.6	7.14	236	6.55

Tributary	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
DAN-013	Danforth Br, Hudson	3/20/2022	8:30 AM	7.4	97.0	11.65	212	7.01
ELZ-004	Elizabeth Br, Stow	3/20/2022	9:05 AM	9.3	89.2	10.24	294	6.77
HBS-016	Hop Br, Sudbury	3/20/2022	7:30 AM	9.1	55.2	6.36	499	6.73
HOP-011	Hop Br, Northboro	3/20/2022	7:45 AM	8.7	92.7	10.76	783	6.80
NSH-002	Nashoba, Commonwealth, W. Concor	3/20/2022	10:10 AM	9.8	92.4	10.47	438	6.89
NSH-047	Nashoba, Wheeler Ln, Acton	3/20/2022	8:30 AM	7.9	87.6	10.35	475	6.68
RVM-005	River Mead, Thorndike, Lowell	3/20/2022	9:05 AM	8.3	98.1	11.50	687	6.83

Summary Statistics for Tributary Sites

Maximum	9.80	98.1	11.65	783	7.01
Minimum	7.40	55.2	6.36	212	6.68

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Mainstem	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
ABT-026	Rte 2, Concord	5/15/2022	8:15 AM	22.4	87.5	7.58	585	7.19
ABT-077	Rte 27/USGS, Maynard	5/15/2022	6:10 AM	22.0	92.4	7.96	616	7.29
ABT-301	Rte 9, Westboro	5/15/2022	7:34 AM	19.8	76.1	6.93	711	6.97
ABT-312	Mill Road, Westboro	5/15/2022	8:01 AM	22.4	83.8	7.27	254	7.12
CND-009	Rogers St, Lowell	5/15/2022	8:15 AM	21.3	96.5	8.54	566	7.11
SUD-005	Rte 62 Boat House, Concord	5/15/2022	9:15 AM	22.5	92.6	8.01	534	7.03
SUD-064	Sherman Br Rd, Wayland	5/15/2022	6:30 AM	23.0	60.5	5.18	552	6.88
SUD-086	River Rd, Wayland	5/15/2022	6:57 AM	22.7	51.7	4.48	558	6.79
SUD-096	Rte 20, Wayland	5/15/2022	7:29 AM	22.2	78.0	6.78	556	6.95
SUD-144	Sudbury Landing, Framingham	5/15/2022	8:22 AM	20.7	91.7	8.23	607	7.16
SUD-293	Fruit Street	5/15/2022	8:38 AM	21.7	33.1	2.90	504	6.42

Summary Statistics for Mainstem Sites

Maximum	23.00	96.5	8.54	711	7.29
Minimum	19.80	33.1	2.90	254	6.42

Tributary	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
DAN-013	Danforth Br, Hudson	5/15/2022	7:25 AM	20.4	89.0	8.02	255	7.24
ELZ-004	Elizabeth Br, Stow	5/15/2022	6:50 AM	22.2	67.8	5.81	375	6.95
HBS-016	Hop Br, Sudbury	5/15/2022	7:53 AM	21.5	33.2	2.92	533	6.80
HOP-011	Hop Br, Northboro	5/15/2022	6:55 AM	21.5	108.6	9.58	790	7.48
NSH-002	Nashoba, Commonwealth, W. Concor	5/15/2022	8:35 AM	23.3	97.8	8.32	524	7.23
NSH-047	Nashoba, Wheeler Ln, Acton	5/15/2022	6:30 AM	21.4	69.9	6.18	582	6.75
RVM-005	River Mead, Thorndike, Lowell	5/15/2022	7:30 AM	21.7	91.1	8.00	876	6.93

Summary Statistics for Tributary Sites

Maximum	23.30	108.6	9.58	876	7.48
Minimum	20.40	33.2	2.92	255	6.75

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Mainstem	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)	
ABT-026	Rte 2, Concord	6/12/2022	7:30 AM	20.6	85.3	7.66	579	7.07	
ABT-062	Rte 62, Acton	6/12/2022	6:15 AM	21.1	96.4	8.56	579	7.26	
ABT-077	Rte 27/USGS, Maynard	6/12/2022	10:19 AM	22.0	102.4	8.94	551	7.25	
ABT-144	Rte 62, Stow	6/12/2022	9:25 AM	20.0	92.7	8.42	614	7.00	
ABT-237	Robin Hill Rd, Marlboro	6/12/2022	7:45 AM	18.7	83.9	7.81	740	7.10	
ABT-301	Rte 9, Westboro	6/12/2022	7:30 AM	19.4	88.1	8.09	688	7.31	
ABT-312	Mill Road, Westboro	6/12/2022	8:10 AM	22.1	90.8	7.91	265	7.41	
CND-009	Rogers St, Lowell	6/12/2022	8:25 AM	22.3	99.0	8.60	623	7.31	
CND-036	Bristol St. and Amherst St.	6/12/2022	7:20 AM	22.3	91.4	7.94	585	7.14	
CND-110	Rte 225, Bedford	6/12/2022	6:29 AM	21.8	78.9	6.91	599	7.09	
SUD-005	Rte 62 Boat House, Concord	6/12/2022	7:09 AM	22.0	67.2	5.87	564	6.85	
SUD-064	Sherman Br Rd, Wayland	6/12/2022	6:40 AM	21.3	53.4	4.72	544	6.78	
SUD-086	River Rd, Wayland	6/12/2022	6:30 AM	21.1	52.0	5.49	551	6.76	
SUD-096	Rte 20, Wayland	6/12/2022	6:55 AM	20.7	62.5	5.45	547	6.80	
SUD-144	Sudbury Landing, Framingham	6/12/2022	8:15 AM	21.4	91.0	8.04	572	7.20	
SUD-236	Chestnut St.	6/12/2022	9:00 AM	19.8	88.2	8.04	571	7.06	
SUD-293	Fruit Street	6/12/2022	8:55 AM	18.7	43.8	4.09	548	6.36	
Summary Statistics for Mainstem Sites									
				Maximum	22.30	102.4	8.94	740	7.41
				Minimum	18.70	43.8	4.09	265	6.36

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Tributary	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
DAN-013	Danforth Br, Hudson	6/12/2022	8:38 AM	18.1	92.7	8.76	271	7.10
ELZ-004	Elizabeth Br, Stow	6/12/2022	9:56 AM	19.7	74.3	6.79	349	6.50
HBS-016	Hop Br, Sudbury	6/12/2022	7:30 AM	18.7	30.1	2.89	507	6.78
HBS-098	Hop Brook above Hager Pond	6/12/2022	6:52 AM	18.0	88.2	8.34	907	7.10
HOP-011	Hop Br, Northboro	6/12/2022	6:45 AM	18.4	83.3	7.80	731	6.86
NSH-002	Nashoba, Commonwealth, W. Concor	6/12/2022	8:20 AM	20.8	87.3	7.80	494	6.88
NSH-047	Nashoba, Wheeler Ln, Acton	6/12/2022	7:50 AM	18.6	75.9	7.08	638	6.71
RVM-005	River Mead, Thorndike, Lowell	6/12/2022	7:56 AM	18.2	92.2	8.66	1024	6.94

Summary Statistics for Tributary Sites

Maximum	20.80	92.7	8.76	1024	7.10
Minimum	18.00	30.1	2.89	271	6.50

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Mainstem	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)	
ABT-026	Rte 2, Concord	7/17/2022	7:51 AM	22.9	74.5	6.39	815	7.42	
ABT-062	Rte 62, Acton	7/17/2022	6:15 AM	25.6	93.0	7.59	831	8.02	
ABT-077	Rte 27/USGS, Maynard	7/17/2022	10:16 AM	25.7	110.4	8.99	849	8.25	
ABT-144	Rte 62, Stow	7/17/2022	9:12 AM	24.6	94.6	7.85	1009	7.62	
ABT-237	Robin Hill Rd, Marlboro	7/17/2022	7:45 AM	20.8	66.4	5.92	1222	7.28	
ABT-301	Rte 9, Westboro	7/17/2022	7:41 AM	21.5	83.5	7.33	1824	7.33	
ABT-312	Mill Road, Westboro	7/17/2022	8:15 AM	19.9	66.1	6.05	355	6.99	
CND-009	Rogers St, Lowell	7/17/2022	8:11 AM	26.5	87.3	7.06	789	7.38	
CND-036	Bristol St. and Amherst St.	7/17/2022	7:18 AM	25.6	80.2	6.53	759	7.28	
CND-110	Rte 225, Bedford	7/17/2022	6:27 AM	26.3	98.4	7.91	701	7.44	
SUD-005	Rte 62 Boat House, Concord	7/17/2022	7:23 AM	26.0	76.6	6.20	611	7.27	
SUD-064	Sherman Br Rd, Wayland	7/17/2022	6:50 AM	26.1	82.1	6.62	691	7.32	
SUD-086	River Rd, Wayland	7/17/2022	6:15 AM	25.0	70.5	5.80	686	7.06	
SUD-096	Rte 20, Wayland	7/17/2022	6:45 AM	24.0	67.7	5.70	672	6.99	
SUD-144	Sudbury Landing, Framingham	7/17/2022	7:55 AM	24.3	67.5	5.64	729	6.98	
SUD-236	Chestnut St.	7/17/2022	8:35 AM	23.4	75.6	6.42	723	6.90	
SUD-293	Fruit Street	7/17/2022	9:00 AM	22.4	37.5	3.27	746	6.73	
Summary Statistics for Mainstem Sites									
				Maximum	26.50	110.4	8.99	1824	8.25
				Minimum	19.90	37.5	3.27	355	6.73

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Tributary	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
DAN-013	Danforth Br, Hudson	7/17/2022	8:26 AM	19.9	87.9	8.00	276	7.37
ELZ-004	Elizabeth Br, Stow	7/17/2022	9:45 AM	21.3	47.6	4.20	515	6.72
HBS-016	Hop Br, Sudbury	7/17/2022	7:15 AM	22.1	35.9	3.13	609	6.91
HBS-098	Hop Brook above Hager Pond	7/17/2022	6:37 AM	21.0	86.0	7.65	942	7.25
HOP-011	Hop Br, Northboro	7/17/2022	6:50 AM	23.1	70.0	5.81	1101	6.88
NSH-002	Nashoba, Commonwealth, W. Concor	7/17/2022	8:59 AM	24.3	57.6	4.81	675	6.97
NSH-047	Nashoba, Wheeler Ln, Acton	7/17/2022	8:26 AM	22.3	66.7	5.79	688	7.21
RVM-005	River Mead, Thorndike, Lowell	7/17/2022	8:00 AM	22.4	82.7	7.14	1711	6.91

Summary Statistics for Tributary Sites

Maximum	24.30	87.9	8.00	1711	7.37
Minimum	19.90	35.9	3.13	276	6.72

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Mainstem	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)	
ABT-026	Rte 2, Concord	8/14/2022	8:38 AM	20.1	79.6	7.20	1082	7.47	
ABT-062	Rte 62, Acton	8/14/2022	6:20 AM	23.9	85.4	7.17	1112	7.61	
ABT-077	Rte 27/USGS, Maynard	8/14/2022	9:50 AM	22.2	106.3	9.21	1126	8.15	
ABT-144	Rte 62, Stow	8/14/2022	8:50 AM	23.6	92.8	7.85	1149	7.56	
ABT-237	Robin Hill Rd, Marlboro	8/14/2022	7:40 AM	18.8	63.6	5.89	1497	7.28	
ABT-301	Rte 9, Westboro	8/14/2022	7:10 AM	20.8	65.0	5.78	2218	7.11	
ABT-312	Mill Road, Westboro	8/14/2022	7:50 AM	16.8	76.4	7.42	366	7.36	
CND-009	Rogers St, Lowell	8/14/2022	7:55 AM	23.6	79.5	6.72	907	7.24	
CND-036	Bristol St. and Amherst St.	8/14/2022	7:00 AM	24.8	100.6	8.32	893	7.62	
CND-110	Rte 225, Bedford	8/14/2022	6:25 AM	24.4	106.4	8.81	848	7.79	
SUD-005	Rte 62 Boat House, Concord	8/14/2022	8:07 AM	23.8	70.0	5.90	683	7.20	
SUD-064	Sherman Br Rd, Wayland	8/14/2022	7:05 AM	23.8	86.5	7.29	676	7.28	
SUD-086	River Rd, Wayland	8/14/2022	6:23 AM	23.0	65.4	5.59	709	7.15	
SUD-096	Rte 20, Wayland	8/14/2022	6:58 AM	21.9	59.8	5.18	729	7.10	
SUD-144	Sudbury Landing, Framingham	8/14/2022	7:52 AM	20.4	50.5	4.54	855	7.02	
SUD-236	Chestnut St.	8/14/2022	8:24 AM	20.7	68.3	6.09	707	7.01	
SUD-293	Fruit Street	8/14/2022	8:50 AM	19.3	33.6	3.07	1009	6.87	
Summary Statistics for Mainstem Sites									
				Maximum	24.80	106.4	9.21	2218	8.15
				Minimum	16.80	33.6	3.07	366	6.87

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Tributary	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
DAN-013	Danforth Br, Hudson	8/14/2022	8:20 AM	16.6	21.9	2.13	161	6.63
ELZ-004	Elizabeth Br, Stow	8/14/2022	9:20 AM	19.0	41.3	3.83	676	6.68
HBS-016	Hop Br, Sudbury	8/14/2022	7:24 AM	19.4	34.4	3.14	697	7.08
HBS-098	Hop Brook above Hager Pond	8/14/2022	6:35 AM	19.4	101.4	9.49		7.41
HOP-011	Hop Br, Northboro	8/14/2022	6:50 AM	21.6	46.7	4.10	1074	6.85
NSH-002	Nashoba, Commonwealth, W. Concor	8/14/2022	10:37 AM	23.4	46.2	3.93	721	6.87
NSH-047	Nashoba, Wheeler Ln, Acton	8/14/2022	9:30 AM	18.9	57.9	5.37	666	7.19
RVM-005	River Mead, Thorndike, Lowell	8/14/2022	7:30 AM	20.6	62.2	5.55	1841	6.83

Summary Statistics for Tributary Sites

Maximum	23.40	101.4	9.49	1841	7.41
Minimum	16.60	21.9	2.13	161	6.63

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Mainstem	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
ABT-026	Rte 2, Concord	9/11/2022	9:05 AM	20.5	85.8	7.70	738	7.13
ABT-077	Rte 27/USGS, Maynard	9/11/2022	6:45 AM	20.9	89.7	8.00	734	7.26
ABT-301	Rte 9, Westboro	9/11/2022	7:47 AM	20.9	80.0	7.07	3531	7.27
ABT-312	Mill Road, Westboro	9/11/2022	8:30 AM	18.3	80.2	7.51	360	6.99
CND-009	Rogers St, Lowell	9/11/2022	7:55 AM	22.1	95.7	8.32	888	7.29
SUD-005	Rte 62 Boat House, Concord	9/11/2022	8:37 AM	21.9	74.2	6.49	538	6.79
SUD-064	Sherman Br Rd, Wayland	9/11/2022	6:55 AM	20.7	49.3	4.41	616	6.54
SUD-086	River Rd, Wayland	9/11/2022	7:35 AM	20.6	55.0	4.93	635	6.58
SUD-096	Rte 20, Wayland	9/11/2022	8:05 AM	20.7	62.0	5.53	640	6.63
SUD-144	Sudbury Landing, Framingham	9/11/2022	9:10 AM	21.6	88.1	7.74	636	7.17
SUD-293	Fruit Street	9/11/2022	9:20 AM	18.6	32.6	3.04	641	6.01

Summary Statistics for Mainstem Sites

Maximum	22.10	95.7	8.32	3531	7.29
Minimum	18.30	32.6	3.04	360	6.01

Tributary	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
DAN-013	Danforth Br, Hudson	9/11/2022	8:15 AM	16.5	50.1	4.89	235	6.39
ELZ-004	Elizabeth Br, Stow	9/11/2022	7:20 AM	18.6	47.8	4.46	413	6.59
HBS-016	Hop Br, Sudbury	9/11/2022	8:35 AM	19.2	53.6	4.94	643	6.96
HOP-011	Hop Br, Northboro	9/11/2022	7:20 AM	19.3	91.0	8.36	865	6.92
NSH-002	Nashoba, Commonwealth, W. Concor	9/11/2022	9:30 AM	19.8	77.5	7.06	523	6.79
NSH-047	Nashoba, Wheeler Ln, Acton	9/11/2022	6:47 AM	20.0	79.9	7.24	804	6.69
RVM-005	River Mead, Thorndike, Lowell	9/11/2022	7:30 AM	20.4	86.6	7.78	1362	6.74

Summary Statistics for Tributary Sites

Maximum	20.40	91.0	8.36	1362	6.96
Minimum	16.50	47.8	4.46	235	6.39

Sudbury, Assabet, and Concord River Water Quality Data Report - In-situ Measurements

Mainstem	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
ABT-026	Rte 2, Concord	11/13/2022	7:05 AM	13.3	89.8	9.37	817	7.20
ABT-077	Rte 27/USGS, Maynard	11/13/2022	9:01 AM	13.7	96.2	9.95	864	7.22
ABT-301	Rte 9, Westboro	11/13/2022	8:12 AM	14.5	78.9	8.02	1038	7.16
ABT-312	Mill Road, Westboro	11/13/2022	8:57 AM	14.2	96.2	9.85	259	7.36
CND-009	Rogers St, Lowell	11/13/2022	8:35 AM	13.8	93.1	9.62	730	7.18
SUD-005	Rte 62 Boat House, Concord	11/13/2022	6:45 AM	13.4	89.4	9.32	599	7.25
SUD-144	Sudbury Landing, Framingham	11/13/2022	7:20 AM	14.5	95.6	9.72	564	7.24
SUD-293	Fruit Street	11/13/2022	9:45 AM	12.9	40.4	4.27	562	6.41

Summary Statistics for Mainstem Sites

Maximum	14.50	96.2	9.95	1038	7.36
Minimum	12.90	40.4	4.27	259	6.41

Tributary	Location:	Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
DAN-013	Danforth Br, Hudson	11/13/2022	8:12 AM	12.4	90.6	9.66	274	7.17
ELZ-004	Elizabeth Br, Stow	11/13/2022	8:39 AM	12.9	67.8	7.15	375	6.72
HBS-016	Hop Br, Sudbury	11/13/2022	6:52 AM	12.4	65.9	6.93	556	7.09
HOP-011	Hop Br, Northboro	11/13/2022	7:45 AM	14.0	85.2	8.77	702	6.43
NSH-002	Nashoba, Commonwealth, W. Concor	11/13/2022	8:27 AM	13.5	87.7	9.11	651	7.08
NSH-047	Nashoba, Wheeler Ln, Acton	11/13/2022	7:35 AM	12.5	84.3	8.96	763	6.91
RVM-005	River Mead, Thorndike, Lowell	11/13/2022	8:15 AM	14.0	90.2	9.26	853	6.93

Summary Statistics for Tributary Sites

Maximum	14.00	90.6	9.66	853	7.17
Minimum	12.40	65.9	6.93	274	6.43

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Mainstem				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ABT-026	Rte 2, Concord	3/20/2022	12:00 AM	3	0.02	< 0.01	0.77	< 0.1	
ABT-077	Rte 27/USGS, Maynard	3/20/2022	9:30 AM	2	0.03	< 0.01			
ABT-301	Rte 9, Westboro	3/20/2022	8:15 AM	2	0.05	0.03		< 0.1	
ABT-312	Mill Road, Westboro	3/20/2022	8:40 AM	< 1	0.01	< 0.01		< 0.1	
CND-009	Rogers St, Lowell	3/20/2022	9:30 AM	4	0.02	< 0.01	0.43		
SUD-005	Rte 62 Boat House, Concord	3/20/2022	7:20 AM	2	0.01	< 0.01	0.24		
SUD-144	Sudbury Landing, Framingham	3/20/2022	7:55 AM	3	0.01	< 0.01			
SUD-293	Fruit Street	3/20/2022	9:25 AM	3	0.01	< 0.01		< 0.1	

Summary Statistics for Mainstem Sites

Maximum	4	0.05	0.03	0.77	0.05
Minimum	0.5	0.01	0.005	0.24	0.05

Tributary				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
DAN-013	Danforth Br, Hudson	3/20/2022	8:30 AM	1	< 0.01	< 0.01		< 0.1	
ELZ-004	Elizabeth Br, Stow	3/20/2022	9:05 AM	< 1	< 0.01	< 0.01		< 0.1	
HBS-016	Hop Br, Sudbury	3/20/2022	7:30 AM	< 1	0.01	< 0.01		< 0.1	
HOP-011	Hop Br, Northboro	3/20/2022	7:45 AM	1	< 0.01	< 0.01		< 0.1	
NSH-002	Nashoba, Commonwealth, W. Con	3/20/2022	10:10 AM	< 1	0.01	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	3/20/2022	8:30 AM	2	0.01	< 0.01		0.13	
RVM-005	River Mead, Thorndike, Lowell	3/20/2022	9:05 AM	5	0.02	< 0.01		< 0.1	

Summary Statistics for Tributary Sites

Maximum	5	0.02	0.005	0.13
Minimum	0.5	0.005	0.005	0.05

OARS

na = not assessed; nr = not reported

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Mainstem				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ABT-026	Rte 2, Concord	5/15/2022	8:15 AM	4	0.04	< 0.01	0.94	< 0.1	
ABT-077	Rte 27/USGS, Maynard	5/15/2022	6:10 AM	6	0.05	< 0.01			
ABT-301	Rte 9, Westboro	5/15/2022	7:34 AM	3	0.04	< 0.01		< 0.1	
ABT-312	Mill Road, Westboro	5/15/2022	8:01 AM	3	0.03	< 0.01		< 0.1	
CND-009	Rogers St, Lowell	5/15/2022	8:15 AM	5	0.05	< 0.01	0.37		
SUD-005	Rte 62 Boat House, Concord	5/15/2022	9:15 AM	6	0.04	< 0.01	< 0.05		
SUD-064	Sherman Br Rd, Wayland	5/15/2022	6:30 AM	5	0.04	< 0.01			
SUD-086	River Rd, Wayland	5/15/2022	6:57 AM	30	0.08	< 0.01			
SUD-096	Rte 20, Wayland	5/15/2022	7:29 AM	11	0.05	< 0.01			
SUD-144	Sudbury Landing, Framingham	5/15/2022	8:22 AM	3	0.03	< 0.01			
SUD-293	Fruit Street	5/15/2022	8:38 AM	5	0.06	0.01		< 0.1	

Summary Statistics for Mainstem Sites

Maximum	30	0.08	0.01	0.94	0.05
Minimum	3	0.03	0.005	0.025	0.05

Tributary				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
DAN-013	Danforth Br, Hudson	5/15/2022	7:25 AM	3	0.04	0.01		< 0.1	
ELZ-004	Elizabeth Br, Stow	5/15/2022	6:50 AM	6	0.03	< 0.01		0.12	
HBS-016	Hop Br, Sudbury	5/15/2022	7:53 AM	4	0.07	0.04		0.19	
HOP-011	Hop Br, Northboro	5/15/2022	6:55 AM	2	0.03	< 0.01		< 0.1	
NSH-002	Nashoba, Commonwealth, W. Con	5/15/2022	8:35 AM	4	0.03	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	5/15/2022	6:30 AM	6	0.05	0.01		0.21	
RVM-005	River Mead, Thorndike, Lowell	5/15/2022	7:30 AM	5	0.04	< 0.01		0.21	

Summary Statistics for Tributary Sites

Maximum	6	0.07	0.04		0.21
Minimum	2	0.03	0.005		0.05

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Mainstem				TSS	TP	ortho - P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ABT-026	Rte 2, Concord	6/12/2022	7:30 AM	5	0.04	0.02	1.15	< 0.1	
ABT-062	Rte 62, Acton	6/12/2022	6:15 AM	4	0.05	0.02	1.45	0.1	
ABT-077	Rte 27/USGS, Maynard	6/12/2022	10:19 AM	4	0.04	0.02	1.06		
ABT-144	Rte 62, Stow	6/12/2022	9:25 AM	3	0.04	0.02	1.69	< 0.1	
ABT-237	Robin Hill Rd, Marlboro	6/12/2022	7:45 AM	2	0.04	0.02	2.44	< 0.1	
ABT-301	Rte 9, Westboro	6/12/2022	7:30 AM	2	0.03	< 0.01	3.65	< 0.1	
ABT-312	Mill Road, Westboro	6/12/2022	8:10 AM	2	0.02	< 0.01		< 0.1	
CND-009	Rogers St, Lowell	6/12/2022	8:25 AM	8	0.04	0.02	0.59		
CND-036	Bristol St. and Amherst St.	6/12/2022	7:20 AM	11	0.04	0.01	0.69	0.1	
CND-110	Rte 225, Bedford	6/12/2022	6:29 AM	27	0.04	0.02	0.97		
SUD-005	Rte 62 Boat House, Concord	6/12/2022	7:09 AM	7	0.04	0.01	0.14		
SUD-064	Sherman Br Rd, Wayland	6/12/2022	6:40 AM	7	0.04	0.02	0.09		
SUD-086	River Rd, Wayland	6/12/2022	6:30 AM	5	0.04	0.02	0.09		
SUD-096	Rte 20, Wayland	6/12/2022	6:55 AM	4	0.04	0.02	0.10		
SUD-144	Sudbury Landing, Framingham	6/12/2022	8:15 AM	3	0.03	< 0.01	0.12		
SUD-236	Chestnut St.	6/12/2022	9:00 AM	3	0.04	0.01	0.17		
SUD-293	Fruit Street	6/12/2022	8:55 AM	4	0.06	0.02	< 0.05	< 0.1	

Summary Statistics for Mainstem Sites

Maximum	27	0.06	0.02	3.65	0.1
Minimum	2	0.02	0.005	0.025	0.05

OARS

na = not assessed; nr = not reported

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Tributary				TSS	TP	ortho - P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
DAN-013	Danforth Br, Hudson	6/12/2022	8:38 AM	2	0.05	0.02		< 0.1	
ELZ-004	Elizabeth Br, Stow	6/12/2022	9:56 AM	3	0.04	0.02		< 0.1	
HBS-016	Hop Br, Sudbury	6/12/2022	7:30 AM	1	0.08	0.05		< 0.1	
HBS-098	Hop Brook above Hager Pond	6/12/2022	6:52 AM	1	0.03	0.02		0.19	
HOP-011	Hop Br, Northboro	6/12/2022	6:45 AM	4	0.05	0.02		0.12	
NSH-002	Nashoba, Commonwealth, W. Con	6/12/2022	8:20 AM	1	0.03	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	6/12/2022	7:50 AM	5	0.06	0.04		0.1	
RVM-005	River Mead, Thorndike, Lowell	6/12/2022	7:56 AM	7	0.05	0.03		0.11	
Summary Statistics for Tributary Sites									
				Maximum	7	0.08	0.05	0.19	
				Minimum	1	0.03	0.005	0.05	

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Mainstem				TSS	TP	ortho - P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ABT-026	Rte 2, Concord	7/17/2022	7:51 AM	1	0.02	< 0.01	0.81	< 0.1	
ABT-062	Rte 62, Acton	7/17/2022	6:15 AM	1	0.03	< 0.01	1.29	< 0.1	
ABT-077	Rte 27/USGS, Maynard	7/17/2022	10:16 AM	2	0.04	< 0.01	0.72		
ABT-144	Rte 62, Stow	7/17/2022	9:12 AM	< 1	0.03	< 0.01	4.18	< 0.1	
ABT-237	Robin Hill Rd, Marlboro	7/17/2022	7:45 AM	5	0.05	< 0.01	6.51	< 0.1	
ABT-301	Rte 9, Westboro	7/17/2022	7:41 AM	2	0.05	0.01	11.30	< 0.1	
ABT-312	Mill Road, Westboro	7/17/2022	8:15 AM	76	0.20	0.02		< 0.1	
CND-009	Rogers St, Lowell	7/17/2022	8:11 AM	9	0.05	< 0.01	1.13		
CND-036	Bristol St. and Amherst St.	7/17/2022	7:18 AM	7	0.05	< 0.01	1.78	0.13	
CND-110	Rte 225, Bedford	7/17/2022	6:27 AM	9	0.04	< 0.01	0.48		
SUD-005	Rte 62 Boat House, Concord	7/17/2022	7:23 AM	20	0.06	< 0.01	< 0.05		
SUD-064	Sherman Br Rd, Wayland	7/17/2022	6:50 AM	14	0.06	0.02	0.12		
SUD-086	River Rd, Wayland	7/17/2022	6:15 AM	14	0.06	0.02	0.16		
SUD-096	Rte 20, Wayland	7/17/2022	6:45 AM	8	0.05	0.02	0.15		
SUD-144	Sudbury Landing, Framingham	7/17/2022	7:55 AM	1	0.03	0.01	0.13		
SUD-236	Chestnut St.	7/17/2022	8:35 AM	2	0.02	< 0.01	0.10		
SUD-293	Fruit Street	7/17/2022	9:00 AM	3	0.03	< 0.01	0.16	< 0.1	

Summary Statistics for Mainstem Sites

Maximum	76	0.2	0.02	11.3	0.13
Minimum	0.5	0.02	0.005	0.025	0.05

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Tributary				TSS	TP	ortho - P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
DAN-013	Danforth Br, Hudson	7/17/2022	8:26 AM	< 1	0.03	< 0.01		< 0.1	
ELZ-004	Elizabeth Br, Stow	7/17/2022	9:45 AM	4	0.03	< 0.01		0.12	
HBS-016	Hop Br, Sudbury	7/17/2022	7:15 AM	4	0.09	0.05		< 0.1	
HBS-098	Hop Brook above Hager Pond	7/17/2022	6:37 AM	< 1	0.03	0.01		0.15	
HOP-011	Hop Br, Northboro	7/17/2022	6:50 AM	7	0.05	0.01		< 0.1	
NSH-002	Nashoba, Commonwealth, W. Con	7/17/2022	8:59 AM	2	0.03	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	7/17/2022	8:26 AM	15	0.06	0.01		0.16	
RVM-005	River Mead, Thorndike, Lowell	7/17/2022	8:00 AM	7	0.04	< 0.01		0.2	
Summary Statistics for Tributary Sites									
				Maximum	15	0.09	0.05	0.2	
				Minimum	0.5	0.03	0.005	0.05	

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Mainstem				TSS	TP	ortho - P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ABT-026	Rte 2, Concord	8/14/2022	8:38 AM	1	0.02	< 0.01	1.38	< 0.1	
ABT-062	Rte 62, Acton	8/14/2022	6:20 AM	2	0.04	< 0.01	1.84	0.1	
ABT-077	Rte 27/USGS, Maynard	8/14/2022	9:50 AM	< 1	0.02	< 0.01	1.20		
ABT-144	Rte 62, Stow	8/14/2022	8:50 AM	1	0.02	< 0.01	4.11	< 0.1	
ABT-237	Robin Hill Rd, Marlboro	8/14/2022	7:40 AM	10	0.04	< 0.01	7.13	0.16	
ABT-301	Rte 9, Westboro	8/14/2022	7:10 AM	< 1	0.03	< 0.01	13.30	< 0.1	
ABT-312	Mill Road, Westboro	8/14/2022	7:50 AM	12	0.07	0.02		< 0.1	
CND-009	Rogers St, Lowell	8/14/2022	7:55 AM	4	0.04	< 0.01	2.69		
CND-036	Bristol St. and Amherst St.	8/14/2022	7:00 AM	5	0.05	< 0.01	5.22	0.14	
CND-110	Rte 225, Bedford	8/14/2022	6:25 AM	8	0.04	< 0.01	0.40		
SUD-005	Rte 62 Boat House, Concord	8/14/2022	8:07 AM	17	0.05	< 0.01	< 0.05		
SUD-064	Sherman Br Rd, Wayland	8/14/2022	7:05 AM	20	0.07	0.01	< 0.05		
SUD-086	River Rd, Wayland	8/14/2022	6:23 AM	21	0.07	0.02	0.13		
SUD-096	Rte 20, Wayland	8/14/2022	6:58 AM	9	0.06	0.02	0.17		
SUD-144	Sudbury Landing, Framingham	8/14/2022	7:52 AM	1	0.03	< 0.01	0.21		
SUD-236	Chestnut St.	8/14/2022	8:24 AM	2	0.02	< 0.01	0.08		
SUD-293	Fruit Street	8/14/2022	8:50 AM	21	0.05	0.01	< 0.05	< 0.1	

Summary Statistics for Mainstem Sites

Maximum	21	0.07	0.02	13.3	0.16
Minimum	0.5	0.02	0.005	0.025	0.05

OARS

na = not assessed; nr = not reported

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Tributary				TSS	TP	ortho - P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ELZ-004	Elizabeth Br, Stow	8/14/2022	9:20 AM	8	0.01	0.01		0.21	
HBS-016	Hop Br, Sudbury	8/14/2022	7:24 AM	4	0.09	0.05		< 0.1	
HBS-098	Hop Brook above Hager Pond	8/14/2022	6:35 AM	2	0.03	< 0.01		0.14	
HOP-011	Hop Br, Northboro	8/14/2022	6:50 AM	7	0.07	0.02		0.18	
NSH-002	Nashoba, Commonwealth, W. Con	8/14/2022	10:37 AM	4	0.03	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	8/14/2022	9:30 AM	8	0.05	0.02		0.15	
RVM-005	River Mead, Thorndike, Lowell	8/14/2022	7:30 AM	2	0.02	< 0.01		0.14	
Summary Statistics for Tributary Sites									
				Maximum	8	0.09	0.05	0.21	
				Minimum	2	0.01	0.005	0.05	

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Mainstem				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ABT-026	Rte 2, Concord	9/11/2022	9:05 AM	< 1	0.02	< 0.01	1.14	< 0.1	
ABT-077	Rte 27/USGS, Maynard	9/11/2022	6:45 AM	1	0.02	< 0.01			
ABT-301	Rte 9, Westboro	9/11/2022	7:47 AM	4	0.03	0.02		< 0.1	
ABT-312	Mill Road, Westboro	9/11/2022	8:30 AM	< 1	0.02	0.02		< 0.1	
CND-009	Rogers St, Lowell	9/11/2022	7:55 AM	6	0.02	< 0.01	1.51		
SUD-005	Rte 62 Boat House, Concord	9/11/2022	8:37 AM	14	0.05	0.01	0.14		
SUD-064	Sherman Br Rd, Wayland	9/11/2022	6:55 AM	18	0.04	0.02			
SUD-086	River Rd, Wayland	9/11/2022	7:35 AM	13	0.05	0.02			
SUD-096	Rte 20, Wayland	9/11/2022	8:05 AM	8	0.04	0.02			
SUD-144	Sudbury Landing, Framingham	9/11/2022	9:10 AM	1	0.02	0.01			
SUD-293	Fruit Street	9/11/2022	9:20 AM	2	0.05	0.03		< 0.1	

Summary Statistics for Mainstem Sites

Maximum	18	0.05	0.03	1.51	0.05
Minimum	0.5	0.02	0.005	0.14	0.05

Tributary				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
DAN-013	Danforth Br, Hudson	9/11/2022	8:15 AM	< 1	0.01	< 0.01		< 0.1	
ELZ-004	Elizabeth Br, Stow	9/11/2022	7:20 AM	3	0.02	< 0.01		0.11	
HBS-016	Hop Br, Sudbury	9/11/2022	8:35 AM	2	0.05	0.04		< 0.1	
HOP-011	Hop Br, Northboro	9/11/2022	7:20 AM	2	0.02	0.01		< 0.1	
NSH-002	Nashoba, Commonwealth, W. Con	9/11/2022	9:30 AM	2	0.02	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	9/11/2022	6:47 AM	5	0.03	0.01		< 0.1	
RVM-005	River Mead, Thorndike, Lowell	9/11/2022	7:30 AM	5	0.02	0.01		0.14	

Summary Statistics for Tributary Sites

Maximum	5	0.05	0.04		0.14
Minimum	0.5	0.01	0.005		0.05

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis

Mainstem				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
ABT-026	Rte 2, Concord	11/13/2022	7:05 AM	4	0.03	< 0.01	1.35	< 0.1	
ABT-077	Rte 27/USGS, Maynard	11/13/2022	9:01 AM	4	0.03	< 0.01			
ABT-301	Rte 9, Westboro	11/13/2022	8:12 AM	2	0.05	0.02		< 0.1	
ABT-312	Mill Road, Westboro	11/13/2022	8:57 AM	< 1	0.02	< 0.01		< 0.1	
CND-009	Rogers St, Lowell	11/13/2022	8:35 AM	6	0.05	< 0.01	1.12		
SUD-005	Rte 62 Boat House, Concord	11/13/2022	6:45 AM	8	0.05	0.02	0.12		
SUD-144	Sudbury Landing, Framingham	11/13/2022	7:20 AM	2	0.03	< 0.01			
SUD-293	Fruit Street	11/13/2022	9:45 AM	3	0.06	0.03		< 0.1	

Summary Statistics for Mainstem Sites

Maximum	8	0.06	0.03	1.35	0.05
Minimum	0.5	0.02	0.005	0.12	0.05

Tributary				TSS	TP	ortho – P	NO3	NH3	Chloride
Site Number	Location	Date	Time	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
DAN-013	Danforth Br, Hudson	11/13/2022	8:12 AM	< 1	0.04	< 0.01		< 0.1	
ELZ-004	Elizabeth Br, Stow	11/13/2022	8:39 AM	1	0.02	< 0.01		< 0.1	
HBS-016	Hop Br, Sudbury	11/13/2022	6:52 AM	4	0.06	0.01		< 0.1	
HOP-011	Hop Br, Northboro	11/13/2022	7:45 AM	2	0.04	< 0.01		< 0.1	
NSH-002	Nashoba, Commonwealth, W. Con	11/13/2022	8:27 AM	1	0.03	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	11/13/2022	7:35 AM	2	0.03	< 0.01		< 0.1	
RVM-005	River Mead, Thorndike, Lowell	11/13/2022	8:15 AM	19	0.07	< 0.01		< 0.1	

Summary Statistics for Tributary Sites

Maximum	19	0.07	0.01	0.05
Minimum	0.5	0.02	0.005	0.05

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Chlorophyll a

Mainstem

Site Number	Location	Date	Time	($\mu\text{g/L}$)
SUD-005	Rte 62 Boat House, Concord	6/13/2022	6:15 AM	9.74
SUD-064	Sherman Br Rd, Wayland	6/13/2022	6:45 AM	7.4
SUD-086	River Rd, Wayland	6/13/2022	7:05 AM	4.81
SUD-096	Rte 20, Wayland	6/13/2022	7:55 AM	4.56
SUD-144	Sudbury Landing, Framingham	6/13/2022	7:20 AM	3.6

Summary Statistics for Mainstem Sites

Maximum	9.74
Minimum	3.6

Tributary

Site Number	Location	Date	Time	($\mu\text{g/L}$)
HBS-016	Hop Br, Sudbury	6/13/2022	7:25 AM	2.41

Summary Statistics for Tributary Sites

Maximum	2.41
Minimum	2.41

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Chlorophyll a

Mainstem

Site Number	Location	Date	Time	($\mu\text{g/L}$)
SUD-005	Rte 62 Boat House, Concord	7/18/2022	7:17 AM	22.4
SUD-064	Sherman Br Rd, Wayland	7/18/2022	6:55 AM	27.3
SUD-086	River Rd, Wayland	7/18/2022	6:34 AM	11.2
SUD-096	Rte 20, Wayland	7/18/2022	7:50 AM	7.86
SUD-144	Sudbury Landing, Framingham	7/18/2022	7:15 AM	< 2

Summary Statistics for Mainstem Sites

Maximum	27.3
Minimum	1

Tributary

Site Number	Location	Date	Time	($\mu\text{g/L}$)
HBS-016	Hop Br, Sudbury	7/18/2022	6:20 AM	2.66

Summary Statistics for Tributary Sites

Maximum	2.66
Minimum	2.66

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Chlorophyll a

Mainstem

Site Number	Location	Date	Time	($\mu\text{g/L}$)
SUD-005	Rte 62 Boat House, Concord	8/15/2022	6:00 AM	20.5
SUD-064	Sherman Br Rd, Wayland	8/15/2022	6:35 AM	50.3
SUD-086	River Rd, Wayland	8/15/2022	7:10 AM	13.9
SUD-096	Rte 20, Wayland	8/15/2022	6:55 AM	4.15
SUD-144	Sudbury Landing, Framingham	8/15/2022	6:05 AM	< 2

Summary Statistics for Mainstem Sites

Maximum	50.3
Minimum	1

Tributary

Site Number	Location	Date	Time	($\mu\text{g/L}$)
HBS-016	Hop Br, Sudbury	8/15/2022	7:45 AM	9.71

Summary Statistics for Tributary Sites

Maximum	9.71
Minimum	9.71

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Stream Flow

Mainstem	Location	Date	Time	Gage Reading (ft)	Flow (cfs)
ABT-077	Rte 27/USGS, Maynard	3/20/2022	9:30 AM	3.04	299
ABT-077	Rte 27/USGS, Maynard	5/15/2022	6:10 AM	2.15	93.3
ABT-077	Rte 27/USGS, Maynard	6/12/2022	10:19 AM	2.13	114
ABT-077	Rte 27/USGS, Maynard	7/17/2022	10:16 AM	1.29	22.1
ABT-077	Rte 27/USGS, Maynard	8/14/2022	9:50 AM	1.06	11.5
ABT-077	Rte 27/USGS, Maynard	9/11/2022	6:45 AM	1.57	42.5
ABT-077	Rte 27/USGS, Maynard	11/13/2022	9:01 AM	2.30	145
ABT-312	Mill Road, Westboro	3/20/2022	8:40 AM	1.74	15.1
ABT-312	Mill Road, Westboro	5/15/2022	8:01 AM	1.48	5.87
ABT-312	Mill Road, Westboro	6/12/2022	8:10 AM	1.42	4.4
ABT-312	Mill Road, Westboro	7/17/2022	8:15 AM	0.90	0.041
ABT-312	Mill Road, Westboro	8/14/2022	7:50 AM	0.98	0.124
ABT-312	Mill Road, Westboro	9/11/2022	8:30 AM	1.00	0.158
ABT-312	Mill Road, Westboro	11/13/2022	8:57 AM	1.52	7.04
CND-009	Rogers St, Lowell	3/20/2022	9:30 AM	6.08	1160
CND-009	Rogers St, Lowell	5/15/2022	8:15 AM	4.97	417
CND-009	Rogers St, Lowell	6/12/2022	8:25 AM	4.91	390
CND-009	Rogers St, Lowell	7/17/2022	8:11 AM	3.87	71.6

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Stream Flow

CND-009	Rogers St, Lowell	8/14/2022	7:55 AM	3.68	38.8
CND-009	Rogers St, Lowell	9/11/2022	7:55 AM	4.43	198
CND-009	Rogers St, Lowell	11/13/2022	8:35 AM	4.64	263
SUD-144	Sudbury Landing, Framingham	3/20/2022	7:55 AM	6.46	245
SUD-144	Sudbury Landing, Framingham	5/15/2022	8:22 AM	5.00	78.7
SUD-144	Sudbury Landing, Framingham	6/12/2022	8:15 AM	5.14	91.3
SUD-144	Sudbury Landing, Framingham	7/17/2022	7:55 AM	4.11	13.7
SUD-144	Sudbury Landing, Framingham	8/14/2022	7:52 AM	3.93	5.75
SUD-144	Sudbury Landing, Framingham	9/11/2022	9:10 AM	4.34	27.9
SUD-144	Sudbury Landing, Framingham	11/13/2022	7:20 AM	5.48	125
SUD-293	Fruit Street	3/20/2022	9:25 AM	5.12	42.5
SUD-293	Fruit Street	5/15/2022	8:38 AM	4.52	16.0
SUD-293	Fruit Street	6/12/2022	8:55 AM	4.57	17.9
SUD-293	Fruit Street	7/17/2022	9:00 AM	0.25	0.1
SUD-293	Fruit Street	8/14/2022	8:50 AM	< 0	0.1
SUD-293	Fruit Street	9/11/2022	9:20 AM	0.50	4.6
SUD-293	Fruit Street	11/13/2022	9:45 AM	0.86	16.0

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Stream Flow

Tributary	Location	Date	Time	Gage Reading (ft)	Flow (cfs)
DAN-013	Danforth Br, Hudson	3/20/2022	8:30 AM	1.59	17.8
DAN-013	Danforth Br, Hudson	5/15/2022	7:25 AM	0.90	1.60
DAN-013	Danforth Br, Hudson	6/12/2022	8:38 AM	1.01	2.68
DAN-013	Danforth Br, Hudson	7/17/2022	8:26 AM	0.46	0.049
DAN-013	Danforth Br, Hudson	8/14/2022	8:20 AM	0.38	0.014
DAN-013	Danforth Br, Hudson	9/11/2022	8:15 AM	0.40	0.02
DAN-013	Danforth Br, Hudson	11/13/2022	8:12 AM	1.10	3.87
ELZ-037	Elizabeth Br, Rt. 117	3/20/2022	8:00 AM	3.45	60.1
ELZ-037	Elizabeth Br, Rt. 117	5/15/2022	8:00 AM	2.86	14.3
ELZ-037	Elizabeth Br, Rt. 117	6/12/2022	8:00 AM	2.84	13.3
ELZ-037	Elizabeth Br, Rt. 117	7/17/2022	8:00 AM	2.19	0.1
ELZ-037	Elizabeth Br, Rt. 117	8/14/2022	8:00 AM	2.12	0
ELZ-037	Elizabeth Br, Rt. 117	9/11/2022	8:00 AM	2.21	0.1
ELZ-037	Elizabeth Br, Rt. 117	11/13/2022	8:00 AM	2.98	20.6
HOP-011	Hop Br, Northboro	3/20/2022	7:45 AM	4.94	19.6
HOP-011	Hop Br, Northboro	5/15/2022	6:55 AM	4.40	6.36
HOP-011	Hop Br, Northboro	6/12/2022	6:45 AM	4.27	4.56
HOP-011	Hop Br, Northboro	7/17/2022	6:50 AM	< 3.3	< 0.05

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Stream Flow

HOP-011	Hop Br, Northboro	8/14/2022	6:50 AM	3.72	0.695
HOP-011	Hop Br, Northboro	9/11/2022	7:20 AM	4.08	2.64
HOP-011	Hop Br, Northboro	11/13/2022	7:45 AM	4.58	9.64
NSH-002	Nashoba, Commonwealth, W. Conc	3/20/2022	10:10 AM	2.30	147
NSH-002	Nashoba, Commonwealth, W. Conc	5/15/2022	8:35 AM	1.38	52.1
NSH-002	Nashoba, Commonwealth, W. Conc	6/12/2022	8:20 AM	1.36	50.3
NSH-002	Nashoba, Commonwealth, W. Conc	7/17/2022	8:59 AM	0.68	7.98
NSH-002	Nashoba, Commonwealth, W. Conc	8/14/2022	10:37 AM	0.56	4.373
NSH-002	Nashoba, Commonwealth, W. Conc	9/11/2022	9:30 AM	0.81	13.4
NSH-002	Nashoba, Commonwealth, W. Conc	11/13/2022	8:27 AM	1.26	41.7
NSH-047	Nashoba, Wheeler Ln, Acton	3/20/2022	8:30 AM	4.39	36.1
NSH-047	Nashoba, Wheeler Ln, Acton	5/15/2022	6:30 AM	3.76	11.3
NSH-047	Nashoba, Wheeler Ln, Acton	6/12/2022	7:50 AM	3.63	10.7
NSH-047	Nashoba, Wheeler Ln, Acton	7/17/2022	8:26 AM	2.76	0.60
NSH-047	Nashoba, Wheeler Ln, Acton	8/14/2022	9:30 AM	2.60	0.25
NSH-047	Nashoba, Wheeler Ln, Acton	9/11/2022	6:47 AM	2.96	1.42
NSH-047	Nashoba, Wheeler Ln, Acton	11/13/2022	7:35 AM	3.74	10.5
RVM-005	River Mead, Thorndike, Lowell	6/12/2022	7:56 AM	0.94	9.9
RVM-005	River Mead, Thorndike, Lowell	7/17/2022	8:00 AM	0.65	1.8

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Stream Flow

RVM-005	River Mead, Thorndike, Lowell	8/14/2022	7:30 AM	0.58	1.1
RVM-005	River Mead, Thorndike, Lowell	9/11/2022	7:30 AM	0.68	2.1
RVM-005	River Mead, Thorndike, Lowell	11/13/2022	8:15 AM	1.10	22.6

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	5/16/2022	7:58 AM	34
ABT-162	Cox St, Hudson	5/16/2022	7:22 AM	99
CND-009	Rogers St, Lowell	5/16/2022	6:50 AM	411
CND-093	Rte 4, Billerica	5/16/2022	7:20 AM	14
SUD-137	Little Farms Rd	5/16/2022	7:15 AM	201

Summary Statistics for 5/16/2022 Sites

Maximum	411
Minimum	14

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	5/16/2022	6:30 AM	921

Summary Statistics for 5/16/2022 Sites

Maximum	921
Minimum	921

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	5/31/2022	7:54 AM	105
ABT-162	Cox St, Hudson	5/31/2022	7:25 AM	70
CND-009	Rogers St, Lowell	5/31/2022	6:25 AM	155
CND-093	Rte 4, Billerica	5/31/2022	6:55 AM	27
SUD-137	Little Farms Rd	5/31/2022	6:40 AM	78
SUD-236	Chestnut St.	5/31/2022	6:05 AM	190

Summary Statistics for 5/31/2022 Sites

Maximum	190
Minimum	27

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	5/31/2022	6:15 AM	488

Summary Statistics for 5/31/2022 Sites

Maximum	488
Minimum	488

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	6/13/2022	7:55 AM	248
ABT-162	Cox St, Hudson	6/13/2022	7:25 AM	96
CND-009	Rogers St, Lowell	6/13/2022	7:00 AM	238
CND-093	Rte 4, Billerica	6/13/2022	8:00 AM	38
SUD-137	Little Farms Rd	6/13/2022	7:40 AM	84
SUD-236	Chestnut St.	6/13/2022	6:40 AM	345

Summary Statistics for 6/13/2022 Sites

Maximum	345
Minimum	38

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	6/13/2022	7:25 AM	1127

Summary Statistics for 6/13/2022 Sites

Maximum	1127
Minimum	1127

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	6/27/2022	7:20 AM	228
ABT-162	Cox St, Hudson	6/27/2022	6:43 AM	110
CND-009	Rogers St, Lowell	6/27/2022	6:28 AM	186
CND-093	Rte 4, Billerica	6/27/2022	7:10 AM	19
SUD-137	Little Farms Rd	6/27/2022	7:05 AM	88
SUD-236	Chestnut St.	6/27/2022	6:30 AM	261

Summary Statistics for 6/27/2022 Sites

Maximum	261
Minimum	19

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	6/27/2022	6:00 AM	404

Summary Statistics for 6/27/2022 Sites

Maximum	404
Minimum	404

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	7/18/2022	7:45 AM	255
ABT-162	Cox St, Hudson	7/18/2022	7:05 AM	276
CND-009	Rogers St, Lowell	7/18/2022	7:05 AM	210
CND-093	Rte 4, Billerica	7/18/2022	7:30 AM	9
SUD-137	Little Farms Rd	7/18/2022	7:30 AM	91
SUD-236	Chestnut St.	7/18/2022	6:45 AM	236

Summary Statistics for 7/18/2022 Sites

Maximum	276
Minimum	9

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	7/18/2022	6:45 AM	461

Summary Statistics for 7/18/2022 Sites

Maximum	461
Minimum	461

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	8/1/2022	7:35 AM	275
ABT-162	Cox St, Hudson	8/1/2022	7:00 AM	201
CND-009	Rogers St, Lowell	8/1/2022	6:39 AM	93
CND-093	Rte 4, Billerica	8/1/2022	7:13 AM	1
SUD-137	Little Farms Rd	8/1/2022	7:30 AM	127
SUD-236	Chestnut St.	8/1/2022	7:05 AM	365

Summary Statistics for 8/1/2022 Sites

Maximum	365
Minimum	1

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	8/1/2022	6:29 AM	272

Summary Statistics for 8/1/2022 Sites

Maximum	272
Minimum	272

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	8/15/2022	8:00 AM	231
ABT-162	Cox St, Hudson	8/15/2022	7:24 AM	119
CND-009	Rogers St, Lowell	8/15/2022	6:39 AM	387
CND-093	Rte 4, Billerica	8/15/2022	7:06 AM	1
SUD-137	Little Farms Rd	8/15/2022	6:30 AM	91
SUD-236	Chestnut St.	8/15/2022	5:15 AM	156

Summary Statistics for 8/15/2022 Sites

Maximum	387
Minimum	1

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	8/15/2022	6:26 AM	461

Summary Statistics for 8/15/2022 Sites

Maximum	461
Minimum	461

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	8/29/2022	7:05 AM	365
ABT-162	Cox St, Hudson	8/29/2022	7:34 AM	99
CND-009	Rogers St, Lowell	8/29/2022	7:30 AM	214
CND-093	Rte 4, Billerica	8/29/2022	8:00 AM	4
SUD-137	Little Farms Rd	8/29/2022	7:08 AM	101
SUD-236	Chestnut St.	8/29/2022	6:35 AM	83

Summary Statistics for 8/29/2022 Sites

Maximum	365
Minimum	4

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	8/29/2022	7:05 AM	411

Summary Statistics for 8/29/2022 Sites

Maximum	411
Minimum	411

Sudbury, Assabet and Concord Rivers Water Quality Data Report - Laboratory Analysis of Bacteria

Mainstem				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	9/12/2022	6:50 AM	317
ABT-162	Cox St, Hudson	9/12/2022	7:45 AM	132
CND-009	Rogers St, Lowell	9/12/2022	6:53 AM	126
CND-093	Rte 4, Billerica	9/12/2022	7:27 AM	35
SUD-137	Little Farms Rd	9/12/2022	7:20 AM	96
SUD-236	Chestnut St.	9/12/2022	6:45 AM	137

Summary Statistics for 9/12/2022 Sites

Maximum	317
Minimum	35

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	9/12/2022	6:39 AM	435

Summary Statistics for 9/12/2022 Sites

Maximum	435
Minimum	435
