

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

Mainstem				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
ABT-026	Rte 2, Concord	3/19/2023	7:50 AM	7.1	93.2	11.28	486	7.06
ABT-077	Rte 27/USGS, Maynard	3/19/2023	11:02 AM	6.9	98.9	12.01	496	7.08
ABT-301	Rte 9, Westboro	3/19/2023	8:10 AM	5.8	100.2	12.52	362	7.24
ABT-312	Mill Road, Westboro	3/19/2023	8:45 AM	6.0	105.6	13.09	257	7.36
CND-009	Rogers St, Lowell	3/19/2023	9:40 AM	6.2	97.4	12.06	478	7.03
SUD-005	Rte 62 Boat House, Concord	3/19/2023	7:15 AM	6.2	90.9	11.23	531	7.01
SUD-144	Sudbury Landing, Framingham	3/19/2023	8:24 AM	5.0	102.1	13.01	538	7.24
SUD-293	Fruit Street	3/19/2023	9:30 AM	4.9	81.8	10.43	445	6.84

Summary Statistics for Mainstem Sites

Maximum	7.1	105.6	13.09	538	7.36
Minimum	4.9	81.8	10.43	257	6.84

Tributary				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
DAN-013	Danforth Br, Hudson	3/19/2023	9:40 AM	4.6	99.6	12.83	246	7.00
ELZ-004	Elizabeth Br, Stow	3/19/2023	10:26 AM	5.8	93.7	11.69	339	6.87
HBS-016	Hop Br, Sudbury	3/19/2023	7:55 AM	4.8	61.6	7.89	526	7.06
HOP-011	Hop Br, Northboro	3/19/2023	7:45 AM	5.7	98.7	12.32	820	6.99
NSH-002	Nashoba, Commonwealth, W. Concor	3/19/2023	10:35 AM	6.1	89.1	11.06	443	6.90
NSH-047	Nashoba, Wheeler Ln, Acton	3/19/2023	8:25 AM	4.6	87.0	11.19	506	6.80
RVM-005	River Mead, Thorndike, Lowell	3/19/2023	9:10 AM	5.0	95.1	12.14	580	6.89

Summary Statistics for Tributary Sites

Maximum	6.1	99.6	12.83	820	7.06
Minimum	4.6	61.6	7.89	246	6.80

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Mainstem				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
ABT-026	Rte 2, Concord	5/14/2023	8:11 AM	18.6	89.3	8.34	568	7.15
ABT-077	Rte 27/USGS, Maynard	5/14/2023	6:23 AM	19.5	96.0	8.80	585	7.31
ABT-301	Rte 9, Westboro	5/14/2023	7:19 AM	16.3	83.9	8.21	754	7.21
ABT-312	Mill Road, Westboro	5/14/2023	7:46 AM	18.8	98.1	9.12	256	7.52
CND-009	Rogers St, Lowell	5/14/2023	7:45 AM	19.3	92.2	8.48	531	7.02
SUD-005	Rte 62 Boat House, Concord	5/14/2023	8:37 AM	19.7	71.1	6.49	518	6.79
SUD-064	Sherman Br Rd, Wayland	5/14/2023	6:21 AM	19.6	52.2	4.77	532	6.68
SUD-086	River Rd, Wayland	5/14/2023	7:02 AM	19.6	69.4	6.34	540	6.78
SUD-096	Rte 20, Wayland	5/14/2023	7:27 AM	19.1	70.3	6.49	537	6.81
SUD-144	Sudbury Landing, Framingham	5/14/2023	8:24 AM	19.2	95.8	8.84	501	7.16
SUD-293	Fruit Street	5/14/2023	8:36 AM	17.7	46.8	4.45	476	6.62

Summary Statistics for Mainstem Sites

Maximum	19.7	98.1	9.12	754	7.52
Minimum	16.3	46.8	4.45	256	6.62

Tributary				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
DAN-013	Danforth Br, Hudson	5/14/2023	7:36 AM	16.7	94.5	9.18	253	7.19
ELZ-004	Elizabeth Br, Stow	5/14/2023	6:54 AM	17.5	65.0	6.20	402	6.73
HBS-016	Hop Br, Sudbury	5/14/2023	7:53 AM	16.9	52.6	5.08	515	6.90
HOP-011	Hop Br, Northboro	5/14/2023	6:48 AM	17.5	114.9	10.97	823	7.59
NSH-002	Nashoba, Commonwealth, W. Concor	5/14/2023	8:40 AM	19.2	94.1	8.69	518	7.10
NSH-047	Nashoba, Wheeler Ln, Acton	5/14/2023	6:32 AM	17.1	73.1	7.05	614	6.79
RVM-005	River Mead, Thorndike, Lowell	5/14/2023	7:16 AM	16.9	63.7	9.06	863	6.95

Summary Statistics for Tributary Sites

Maximum	19.2	114.9	10.97	863	7.59
Minimum	16.7	52.6	5.08	253	6.73

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

Mainstem				Water Temp	DO Sat	DO	Sp. Cond	pH	
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)	
ABT-026	Rte 2, Concord	6/11/2023	8:25 AM	17.1	89.2	8.58	613	7.24	
ABT-062	Rte 62, Acton	6/11/2023	6:30 AM	18.1	97.1	9.16	651	7.46	
ABT-077	Rte 27/USGS, Maynard	6/11/2023	9:26 AM	18.2	100.5	9.45	706	7.58	
ABT-144	Rte 62, Stow	6/11/2023	8:33 AM	17.4	97.0	9.27	868	7.43	
ABT-237	Robin Hill Rd, Marlboro	6/11/2023	7:32 AM	15.6	84.4	8.37	1000	7.32	
ABT-301	Rte 9, Westboro	6/11/2023	7:31 AM	16.5	88.7	8.63	726	7.37	
ABT-312	Mill Road, Westboro	6/11/2023	8:12 AM	17.7	91.8	8.74	206	7.37	
CND-009	Rogers St, Lowell	6/11/2023	8:15 AM	18.3	96.1	9.03	607	7.04	
CND-036	Bristol St. and Amherst St.	6/11/2023	7:15 AM	18.6	91.3	8.52	576	6.97	
CND-110	Rte 225, Bedford	6/11/2023	6:30 AM	18.1	86.2	8.14	576	6.84	
SUD-005	Rte 62 Boat House, Concord	6/11/2023	7:50 AM	17.7	79.9	7.58	573	6.96	
SUD-064	Sherman Br Rd, Wayland	6/11/2023	7:05 AM	17.8	72.7	6.89	616	6.89	
SUD-086	River Rd, Wayland	6/11/2023	6:39 AM	17.5	70.2	6.70	617	6.83	
SUD-096	Rte 20, Wayland	6/11/2023	7:03 AM	17.4	70.6	6.74	620	6.79	
SUD-144	Sudbury Landing, Framingham	6/11/2023	8:11 AM	17.3	91.0	8.72	714	7.10	
SUD-236	Chestnut St.	6/11/2023	8:58 AM	16.5	80.8	7.88	367	6.76	
SUD-293	Fruit Street	6/11/2023	8:58 AM	15.3	55.1	5.51	552	6.61	
Summary Statistics for Mainstem Sites									
				Maximum	18.6	100.5	9.45	1000	7.58
				Minimum	15.3	55.1	5.51	206	6.61

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

Tributary		Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
Site Number	Location:							
DAN-013	Danforth Br, Hudson	6/11/2023	8:05 AM	15.0	93.7	9.45	274	7.40
ELZ-004	Elizabeth Br, Stow	6/11/2023	9:01 AM	15.7	68.0	6.73	421	6.87
HBS-016	Hop Br, Sudbury	6/11/2023	7:37 AM	15.0	57.7	5.81	442	6.69
HBS-098	Hop Brook above Hager Pond	6/11/2023	6:45 AM	16.4	87.1	8.51	783	7.21
HOP-011	Hop Br, Northboro	6/11/2023	6:51 AM	15.9	98.6	9.73	887	7.15
NSH-002	Nashoba, Commonwealth, W. Concor	6/11/2023	8:55 AM	17.6	99.8	9.52	552	7.21
NSH-047	Nashoba, Wheeler Ln, Acton	6/11/2023	9:30 AM	15.9	82.4	8.13	635	6.93
RVM-005	River Mead, Thorndike, Lowell	6/11/2023	7:40 AM	15.8	92.9	9.18	746	6.86

Summary Statistics for Tributary Sites

Maximum	17.6	99.8	9.73	887	7.40
Minimum	15.0	57.7	5.81	274	6.69

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

Mainstem				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
ABT-062	Rte 62, Acton	7/16/2023	6:30 AM	25.4	99.8	8.18	390	7.01
ABT-077	Rte 27/USGS, Maynard	7/16/2023	10:37 AM	24.8	89.7	7.44	316	6.90
ABT-144	Rte 62, Stow	7/16/2023	9:36 AM	23.8	88.2	7.44	380	6.81
ABT-237	Robin Hill Rd, Marlboro	7/16/2023	7:35 AM	23.8	81.6	6.88	508	7.04
ABT-301	Rte 9, Westboro	7/16/2023	7:32 AM	24.0	77.9	6.55	541	6.92
ABT-312	Mill Road, Westboro	7/16/2023	8:09 AM	26.7	95.0	7.61	219	7.33
CND-009	Rogers St, Lowell	7/16/2023	8:30 AM	25.3	90.7	7.44	450	6.85
CND-036	Bristol St. and Amherst St.	7/16/2023	7:19 AM	25.9	76.3	6.20	435	6.75
CND-110	Rte 225, Bedford	7/16/2023	6:20 AM	25.8	37.5	3.07	442	6.64
SUD-005	Rte 62 Boat House, Concord	7/16/2023	7:59 AM	26.1	9.0	0.73	435	6.39
SUD-064	Sherman Br Rd, Wayland	7/16/2023	7:14 AM	25.7	6.0	0.49	518	6.37
SUD-086	River Rd, Wayland	7/16/2023	6:30 AM	25.5	28.9	2.36	534	6.64
SUD-096	Rte 20, Wayland	7/16/2023	7:05 AM	25.4	36.0	2.94	534	6.67
SUD-144	Sudbury Landing, Framingham	7/16/2023	8:05 AM	25.6	92.9	7.58	528	7.22
SUD-236	Chestnut St.	7/16/2023	2:50 PM	24.4	93.0	7.76	377	6.94

Summary Statistics for Mainstem Sites

Maximum	26.7	99.8	8.18	541	7.33
Minimum	23.8	6.0	0.49	219	6.37

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

Tributary				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
DAN-013	Danforth Br, Hudson	7/16/2023	9:05 AM	23.4	95.4	8.11	208	6.97
ELZ-004	Elizabeth Br, Stow	7/16/2023	10:10 AM	24.2	64.8	5.42	275	6.63
HBS-016	Hop Br, Sudbury	7/16/2023	7:35 AM	24.6	19.2	1.60	423	6.77
HBS-098	Hop Brook above Hager Pond	7/16/2023	6:45 AM	21.2	86.8	7.70	865	7.08
HOP-011	Hop Br, Northboro	7/16/2023	6:51 AM	22.4	71.2	6.16	555	6.74
NSH-002	Nashoba, Commonwealth, W. Concor	7/16/2023	11:55 AM	24.7	65.3	5.42	425	6.62
RVM-005	River Mead, Thorndike, Lowell	7/16/2023	7:49 AM	25.4	88.3	7.51	501	6.80

Summary Statistics for Tributary Sites

Maximum	25.4	95.4	8.11	865	7.08
Minimum	21.2	19.2	1.60	208	6.62

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

Mainstem				Water Temp	DO Sat	DO	Sp. Cond	pH	
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)	
ABT-026	Rte 2, Concord	8/13/2023	8:06 AM	22.5	82.6	7.13	418	6.85	
ABT-062	Rte 62, Acton	8/13/2023	6:24 AM	23.1	97.1	8.31	460	7.04	
ABT-077	Rte 27/USGS, Maynard	8/13/2023	9:24 AM	23.1	96.5	8.26	456	7.05	
ABT-144	Rte 62, Stow	8/13/2023	8:21 AM	21.7	91.5	8.03	474	6.95	
ABT-237	Robin Hill Rd, Marlboro	8/13/2023	7:10 AM	21.8	84.2	7.37	571	7.20	
ABT-301	Rte 9, Westboro	8/13/2023	7:25 AM	23.6	79.1	6.78	466	7.05	
ABT-312	Mill Road, Westboro	8/13/2023	8:05 AM	24.0	92.1	7.75	189	7.09	
CND-009	Rogers St, Lowell	8/13/2023	7:49 AM	23.1	91.0	7.78	370	6.70	
CND-036	Bristol St. and Amherst St.	8/13/2023	7:06 AM	23.3	76.6	6.52	355	6.59	
CND-110	Rte 225, Bedford	8/13/2023	6:23 AM	23.2	41.6	3.54	360	6.53	
SUD-005	Rte 62 Boat House, Concord	8/13/2023	7:45 AM	23.6	12.4	1.09	369	6.35	
SUD-064	Sherman Br Rd, Wayland	8/13/2023	7:00 AM	23.6	10.3	0.87	422	6.41	
SUD-086	River Rd, Wayland	8/13/2023	6:24 AM	23.4	31.3	2.66	449	6.58	
SUD-096	Rte 20, Wayland	8/13/2023	6:51 AM	23.6	40.9	3.42	458	6.63	
SUD-144	Sudbury Landing, Framingham	8/13/2023	7:37 AM	23.8	97.2	8.20	456	7.21	
SUD-236	Chestnut St.	8/13/2023	8:17 AM	22.0	93.1	8.13	385	7.07	
SUD-293	Fruit Street	8/13/2023	9:05 AM	21.6	24.9	2.18	339	6.30	
Summary Statistics for Mainstem Sites									
				Maximum	24.0	97.2	8.31	571	7.21
				Minimum	21.6	10.3	0.87	189	6.30

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

Tributary		Date	Time	Water Temp (deg C)	DO Sat (%)	DO (mg/l)	Sp. Cond (μ S/cm)	pH (s.u.)
Site Number	Location:							
DAN-013	Danforth Br, Hudson	8/13/2023	7:45 AM	20.9	94.6	8.45	240	7.12
ELZ-004	Elizabeth Br, Stow	8/13/2023	8:58 AM	21.7	65.2	5.73	314	6.63
HBS-016	Hop Br, Sudbury	8/13/2023	7:11 AM	22.0	21.6	1.88	365	6.65
HBS-098	Hop Brook above Hager Pond	8/13/2023	6:30 AM	20.6	87.9	7.88	777	7.22
HOP-011	Hop Br, Northboro	8/13/2023	6:50 AM	20.4	70.5	6.35	633	6.73
NSH-002	Nashoba, Commonwealth, W. Concor	8/13/2023	9:06 AM	22.0	70.4	6.17	330	6.54
NSH-047	Nashoba, Wheeler Ln, Acton	8/13/2023	8:42 AM	20.8	34.5	3.08	408	6.40
RVM-005	River Mead, Thorndike, Lowell	8/13/2023	7:26 AM	21.4	91.8	8.11	462	6.73

Summary Statistics for Tributary Sites

Maximum	22.0	94.6	8.45	777	7.22
Minimum	20.4	21.6	1.88	240	6.40

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

Mainstem				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
ABT-026	Rte 2, Concord	9/10/2023	8:20 AM	23.7	83.1	7.08	573	7.10
ABT-077	Rte 27/USGS, Maynard	9/10/2023	6:20 AM	24.1	91.1	7.64	581	7.17
ABT-301	Rte 9, Westboro	9/10/2023	7:20 AM	22.3	70.3	6.08	1108	7.05
ABT-312	Mill Road, Westboro	9/10/2023	7:45 AM	24.0	82.9	6.98	203	7.10
CND-009	Rogers St, Lowell	9/10/2023	7:35 AM	24.5	93.1	7.76	466	6.86
SUD-005	Rte 62 Boat House, Concord	9/10/2023	8:28 AM	24.6	10.2	0.85	407	6.49
SUD-064	Sherman Br Rd, Wayland	9/10/2023	6:45 AM	23.9	10.1	0.85	414	6.41
SUD-086	River Rd, Wayland	9/10/2023	7:22 AM	23.7	25.9	2.18	423	6.52
SUD-096	Rte 20, Wayland	9/10/2023	7:55 AM	23.4	36.3	3.10	391	6.52
SUD-144	Sudbury Landing, Framingham	9/10/2023	8:55 AM	23.7	91.3	7.22	373	6.93
SUD-293	Fruit Street	9/10/2023	8:20 AM	22.7	20.4	1.75	410	6.44

Summary Statistics for Mainstem Sites

Maximum	24.6	93.1	7.76	1108	7.17
Minimum	22.3	10.1	0.85	203	6.41

Tributary				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
DAN-013	Danforth Br, Hudson	9/10/2023	7:30 AM	21.3	96.6	8.55	223	6.97
ELZ-004	Elizabeth Br, Stow	9/10/2023	6:50 AM	22.0	64.1	5.60	346	6.63
HBS-016	Hop Br, Sudbury	9/10/2023	8:25 AM	22.3	12.3	1.08	377	6.50
HOP-011	Hop Br, Northboro	9/10/2023	6:44 AM	20.9	73.7	6.58	434	6.75
NSH-002	Nashoba, Commonwealth, W. Concor	9/10/2023	8:50 AM	22.9	67.0	5.75	465	6.79
NSH-047	Nashoba, Wheeler Ln, Acton	9/10/2023	6:24 AM	21.2	71.7	6.35	454	6.65
RVM-005	River Mead, Thorndike, Lowell	9/10/2023	7:09 AM	21.8	91.4	8.02	615	6.88

Summary Statistics for Tributary Sites

Maximum	22.9	96.6	8.55	615	6.97
Minimum	20.9	12.3	1.08	223	6.50

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

Mainstem				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
ABT-026	Rte 2, Concord	11/5/2023	7:15 AM	8.1	95.8	11.29	437	7.05
ABT-077	Rte 27/USGS, Maynard	11/5/2023	9:26 AM	8.4	101.3	11.86	462	7.12
ABT-301	Rte 9, Westboro	11/5/2023	8:00 AM	11.3	88.0	9.61	513	7.01
ABT-312	Mill Road, Westboro	11/5/2023	8:25 AM	10.2	96.5	10.83	210	7.19
CND-009	Rogers St, Lowell	11/5/2023	8:45 AM	9.0	100.2	11.56	434	7.02
SUD-005	Rte 62 Boat House, Concord	11/5/2023	6:40 AM	8.5	64.3	7.50	393	6.70
SUD-144	Sudbury Landing, Framingham	11/5/2023	7:33 AM	10.8	99.8	11.04	396	7.01
SUD-293	Fruit Street	11/5/2023	9:15 AM	8.1	57.3	6.74	362	6.49

Summary Statistics for Mainstem Sites

Maximum	11.3	101.3	11.86	513	7.19
Minimum	8.1	57.3	6.74	210	6.49

Tributary				Water Temp	DO Sat	DO	Sp. Cond	pH
Site Numbe	Location:	Date	Time	(deg C)	(%)	(mg/l)	(μ S/cm)	(s.u.)
DAN-013	Danforth Br, Hudson	11/5/2023	8:24 AM	7.0	98.5	11.94	217	6.99
ELZ-004	Elizabeth Br, Stow	11/5/2023	9:01 AM	7.8	88.0	10.46	318	6.74
HBS-016	Hop Br, Sudbury	11/5/2023	7:01 AM	8.0	66.8	7.89	447	6.74
HOP-011	Hop Br, Northboro	11/5/2023	7:25 AM	8.5	90.6	10.58	645	6.95
NSH-002	Nashoba, Commonwealth, W. Concor	11/5/2023	9:30 AM	7.9	91.4	10.84	372	6.90
NSH-047	Nashoba, Wheeler Ln, Acton	11/5/2023	7:45 AM	8.0	88.0	10.41	471	6.78
RVM-005	River Mead, Thorndike, Lowell	11/5/2023	8:20 AM	9.0	97.6	11.27	595	6.92

Summary Statistics for Tributary Sites

Maximum	9.0	98.5	11.94	645	6.99
Minimum	7.0	66.8	7.89	217	6.74

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	3/19/2023	7:50 AM	1	0.02	0.01	0.48	< 0.1	
ABT-077	Rte 27/USGS, Maynard	3/19/2023	11:02 AM	4	0.03	0.02			
ABT-301	Rte 9, Westboro	3/19/2023	8:10 AM	3	0.08	0.07		< 0.1	
ABT-312	Mill Road, Westboro	3/19/2023	8:45 AM	< 1	0.02	< 0.01		< 0.1	
CND-009	Rogers St, Lowell	3/19/2023	9:40 AM	5	0.02	0.01	0.33		
SUD-005	Rte 62 Boat House, Concord	3/19/2023	7:15 AM	1	0.02	< 0.01	0.19		
SUD-144	Sudbury Landing, Framingham	3/19/2023	8:24 AM	3	0.02	< 0.01			
SUD-293	Fruit Street	3/19/2023	9:30 AM	1	0.01	< 0.01		< 0.1	

Summary Statistics for Mainstem Sites

Maximum	5	0.08	0.07	0.48	0.05
Minimum	0.5	0.01	0.005	0.19	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	3/19/2023	9:40 AM	< 1	0.01	< 0.01		< 0.1	
ELZ-004	Elizabeth Br, Stow	3/19/2023	10:26 AM	1	0.01	< 0.01		< 0.1	
HBS-016	Hop Br, Sudbury	3/19/2023	7:55 AM	1	0.02	< 0.01		< 0.1	
HOP-011	Hop Br, Northboro	3/19/2023	7:45 AM	2	0.01	0.02		< 0.1	
NSH-002	Nashoba, Commonwealth, W. Con	3/19/2023	10:35 AM	1	0.02	< 0.01		< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	3/19/2023	8:25 AM	1	0.02	< 0.01		< 0.1	
RVM-005	River Mead, Thorndike, Lowell	3/19/2023	9:10 AM	3	0.02	0.01		< 0.1	

Summary Statistics for Tributary Sites

Maximum	3	0.02	0.02	0.05
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	5/14/2023	8:11 AM	4	0.04	0.02	0.77	< 0.1	
ABT-077	Rte 27/USGS, Maynard	5/14/2023	6:23 AM	4	0.04	0.02			
ABT-301	Rte 9, Westboro	5/14/2023	7:19 AM	2	0.04	0.01		< 0.1	
ABT-312	Mill Road, Westboro	5/14/2023	7:46 AM	2	0.02	< 0.01		< 0.1	
CND-009	Rogers St, Lowell	5/14/2023	7:45 AM	6	0.04	0.01	0.37		
SUD-005	Rte 62 Boat House, Concord	5/14/2023	8:37 AM	9	0.04	< 0.01	< 0.05		
SUD-064	Sherman Br Rd, Wayland	5/14/2023	6:21 AM	13	0.04	0.02			
SUD-086	River Rd, Wayland	5/14/2023	7:02 AM	7	0.04	0.02			
SUD-096	Rte 20, Wayland	5/14/2023	7:27 AM	21	0.05	< 0.01			
SUD-144	Sudbury Landing, Framingham	5/14/2023	8:24 AM	3	0.02	< 0.01			
SUD-293	Fruit Street	5/14/2023	8:36 AM	3	0.04	< 0.01		< 0.1	

Summary Statistics for Mainstem Sites

Maximum	21	0.05	0.02	0.77	0.05
Minimum	2	0.02	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	5/14/2023	7:36 AM	2	0.03	< 0.01	< 0.05	< 0.1	
ELZ-004	Elizabeth Br, Stow	5/14/2023	6:54 AM	2	0.02	< 0.01	0.15	< 0.1	
HBS-016	Hop Br, Sudbury	5/14/2023	7:53 AM	3	0.06	0.03		< 0.1	
HOP-011	Hop Br, Northboro	5/14/2023	6:48 AM	2	0.03	0.01		< 0.1	
NSH-002	Nashoba, Commonwealth, W. Con	5/14/2023	8:40 AM	2	0.04	0.01	0.27	< 0.1	
NSH-047	Nashoba, Wheeler Ln, Acton	5/14/2023	6:32 AM	2	0.04	0.01		< 0.1	
RVM-005	River Mead, Thorndike, Lowell	5/14/2023	7:16 AM	3	0.04	0.01		0.14	

Summary Statistics for Tributary Sites

Maximum	3	0.06	0.03	0.27	0.14
Minimum	2	0.02	0.005	0.025	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	6/11/2023	8:25 AM	< 5	0.02	0.01	1.36	< 0.075	
ABT-062	Rte 62, Acton	6/11/2023	6:30 AM	< 5	0.03	0.01	1.97	< 0.075	
ABT-077	Rte 27/USGS, Maynard	6/11/2023	9:26 AM	< 5	0.02	0.01	1.86		
ABT-144	Rte 62, Stow	6/11/2023	8:33 AM	< 5	0.04	0.01	3.57	< 0.075	
ABT-237	Robin Hill Rd, Marlboro	6/11/2023	7:32 AM	< 5	0.02	0.01	3.47	< 0.075	
ABT-301	Rte 9, Westboro	6/11/2023	7:31 AM	< 5	0.03	0.01	4.76	< 0.075	
ABT-312	Mill Road, Westboro	6/11/2023	8:12 AM	< 5	0.01	0.01		< 0.075	
CND-009	Rogers St, Lowell	6/11/2023	8:15 AM	6.4	0.05	0.01	0.97		
CND-036	Bristol St. and Amherst St.	6/11/2023	7:15 AM	7.6	0.04	0.02	1.10	< 0.15	
CND-110	Rte 225, Bedford	6/11/2023	6:30 AM	11	0.04	0.01	0.85		
SUD-005	Rte 62 Boat House, Concord	6/11/2023	7:50 AM	10	0.04	0.01	0.22		
SUD-064	Sherman Br Rd, Wayland	6/11/2023	7:05 AM	7.6	0.05	0.01	0.29		
SUD-086	River Rd, Wayland	6/11/2023	6:39 AM	6.7	0.03	0.01	0.28		
SUD-096	Rte 20, Wayland	6/11/2023	7:03 AM	5.3	0.03	0.01	0.27		
SUD-144	Sudbury Landing, Framingham	6/11/2023	8:11 AM	< 5	0.02	0.01	0.30		
SUD-236	Chestnut St.	6/11/2023	8:58 AM	< 5	0.02	0.01	0.37		
SUD-293	Fruit Street	6/11/2023	8:58 AM	< 5	0.04	0.02	< 0.1	< 0.075	

Summary Statistics for Mainstem Sites

Maximum	11	0.05	0.02	4.76	0.05
Minimum	0.5	0.01	0.01	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	6/11/2023	8:05 AM	< 5.5	0.02	0.01		< 0.075	
ELZ-004	Elizabeth Br, Stow	6/11/2023	9:01 AM	< 5	0.01	0.01		< 0.075	
HBS-016	Hop Br, Sudbury	6/11/2023	7:37 AM	< 5	0.08	0.04		< 0.15	
HBS-098	Hop Brook above Hager Pond	6/11/2023	6:45 AM	7	0.02	0.02		0.102	
HOP-011	Hop Br, Northboro	6/11/2023	6:51 AM	< 5	0.03	0.02		0.109	
NSH-002	Nashoba, Commonwealth, W. Con	6/11/2023	8:55 AM	< 5	0.02	0.01		< 0.075	
NSH-047	Nashoba, Wheeler Ln, Acton	6/11/2023	9:30 AM	< 5	0.03	0.02		< 0.075	
RVM-005	River Mead, Thorndike, Lowell	6/11/2023	7:40 AM	< 5	0.03	0.01		< 0.15	
Summary Statistics for Tributary Sites									
				Maximum	7	0.08	0.04	0.109	
				Minimum	0.5	0.01	0.01	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-062	Rte 62, Acton	7/16/2023	6:30 AM	5.3	0.07	0.03	0.57	< 0.075	
ABT-077	Rte 27/USGS, Maynard	7/16/2023	10:37 AM	7.3	0.07	0.04	0.46		
ABT-144	Rte 62, Stow	7/16/2023	9:36 AM	3.6	0.06	0.04	0.55	< 0.075	
ABT-237	Robin Hill Rd, Marlboro	7/16/2023	7:35 AM	5.6	0.05	0.03	0.82	< 0.15	
ABT-301	Rte 9, Westboro	7/16/2023	7:32 AM	18	0.11	0.03	1.62	0.13	
ABT-312	Mill Road, Westboro	7/16/2023	8:09 AM	2.8	0.02	0.01		< 0.075	
CND-009	Rogers St, Lowell	7/16/2023	8:30 AM	5.1	0.08	0.04	0.39		
CND-036	Bristol St. and Amherst St.	7/16/2023	7:19 AM	3.2	0.08	0.04	0.34	< 0.075	
CND-110	Rte 225, Bedford	7/16/2023	6:20 AM	6.4	0.09	0.04	0.27		
SUD-005	Rte 62 Boat House, Concord	7/16/2023	7:59 AM	5.8	0.10	0.04	< 0.1		
SUD-064	Sherman Br Rd, Wayland	7/16/2023	7:14 AM	5.6	0.10	0.03	< 0.1		
SUD-086	River Rd, Wayland	7/16/2023	6:30 AM	3.4	0.07	0.03	0.10		
SUD-096	Rte 20, Wayland	7/16/2023	7:05 AM	4.3	0.08	0.03	0.12		
SUD-144	Sudbury Landing, Framingham	7/16/2023	8:05 AM	3.4	0.03	0.02	0.20		
SUD-236	Chestnut St.	7/16/2023	2:50 PM	19	0.09	0.03	0.19		

Summary Statistics for Mainstem Sites

Maximum	19	0.11	0.04	1.62	0.13
Minimum	2.8	0.02	0.01	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	7/16/2023	9:05 AM	4	0.06	0.02		< 0.15	
ELZ-004	Elizabeth Br, Stow	7/16/2023	10:10 AM	3.6	0.03	0.01		< 0.075	
HBS-016	Hop Br, Sudbury	7/16/2023	7:35 AM	8.5	0.24	0.11		0.455	
HBS-098	Hop Brook above Hager Pond	7/16/2023	6:45 AM	3.1	0.03	0.01		0.116	
HOP-011	Hop Br, Northboro	7/16/2023	6:51 AM	2.6	0.05	0.02		0.117	
NSH-002	Nashoba, Commonwealth, W. Con	7/16/2023	11:55 AM	1.9	0.07	0.04		< 0.15	
RVM-005	River Mead, Thorndike, Lowell	7/16/2023	7:49 AM	7.4	0.09	0.04		0.093	
Summary Statistics for Tributary Sites									
				Maximum	8.5	0.24	0.11	0.455	
				Minimum	1.9	0.03	0.01	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	8/13/2023	8:06 AM	3.2	0.04	0.03	0.43	< 0.075	
ABT-062	Rte 62, Acton	8/13/2023	6:24 AM	4.6	0.04	0.02	0.56	< 0.075	
ABT-077	Rte 27/USGS, Maynard	8/13/2023	9:24 AM	2.5	0.04	0.02	0.50		
ABT-144	Rte 62, Stow	8/13/2023	8:21 AM	< 2	0.04	0.03	0.77	< 0.075	
ABT-237	Robin Hill Rd, Marlboro	8/13/2023	7:10 AM	2.3	0.03	0.02	1.19	0.076	
ABT-301	Rte 9, Westboro	8/13/2023	7:25 AM	3.8	0.03	0.01	1.17	0.092	
ABT-312	Mill Road, Westboro	8/13/2023	8:05 AM	2	0.02	0.01		< 0.075	
CND-009	Rogers St, Lowell	8/13/2023	7:49 AM	5.7	0.06	0.02	0.27		
CND-036	Bristol St. and Amherst St.	8/13/2023	7:06 AM	3	0.05	0.02	0.22	< 0.075	
CND-110	Rte 225, Bedford	8/13/2023	6:23 AM	3.1	0.05	0.02	0.18		
SUD-005	Rte 62 Boat House, Concord	8/13/2023	7:45 AM	3.6	0.05	0.02	< 0.1		
SUD-064	Sherman Br Rd, Wayland	8/13/2023	7:00 AM	2.4	0.07	0.02	< 0.1		
SUD-086	River Rd, Wayland	8/13/2023	6:24 AM	2.8	0.05	0.01	< 0.1		
SUD-096	Rte 20, Wayland	8/13/2023	6:51 AM	3.9	0.05	0.01	< 0.1		
SUD-144	Sudbury Landing, Framingham	8/13/2023	7:37 AM	4.3	0.03	0.01	0.17		
SUD-236	Chestnut St.	8/13/2023	8:17 AM	3.2	0.04	0.02	0.17		
SUD-293	Fruit Street	8/13/2023	9:05 AM	2.5	0.07	0.03	< 0.1	< 0.075	

Summary Statistics for Mainstem Sites

Maximum	5.7	0.07	0.03	1.19	0.092
Minimum	0.5	0.02	0.01	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	8/13/2023	7:45 AM	< 2	0.03	0.02		< 0.075	
ELZ-004	Elizabeth Br, Stow	8/13/2023	8:58 AM	< 2.2	0.02	0.01		< 0.075	
HBS-016	Hop Br, Sudbury	8/13/2023	7:11 AM	4.8	0.12	0.05		0.088	
HBS-098	Hop Brook above Hager Pond	8/13/2023	6:30 AM	< 2	0.02	0.02		0.095	
HOP-011	Hop Br, Northboro	8/13/2023	6:50 AM	1.3	0.02	0.02		0.076	
NSH-002	Nashoba, Commonwealth, W. Con	8/13/2023	9:06 AM	1	0.04	0.03		< 0.075	
NSH-047	Nashoba, Wheeler Ln, Acton	8/13/2023	8:42 AM	1.6	0.04	0.02		< 0.075	
RVM-005	River Mead, Thorndike, Lowell	8/13/2023	7:26 AM	7.2	0.05	0.02		< 0.075	
Summary Statistics for Tributary Sites									
				Maximum	7.2	0.12	0.05	0.095	
				Minimum	0.5	0.02	0.01	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	9/10/2023	8:20 AM	2.4	0.03	0.02	1.19	< 0.075	
ABT-077	Rte 27/USGS, Maynard	9/10/2023	6:20 AM	5.5	0.04	0.01			
ABT-301	Rte 9, Westboro	9/10/2023	7:20 AM	3.8	0.04	0.01		0.141	290
ABT-312	Mill Road, Westboro	9/10/2023	7:45 AM	3.1	0.03	< 0.005		0.093	
CND-009	Rogers St, Lowell	9/10/2023	7:35 AM	2.7	0.05	0.02	0.52		
SUD-005	Rte 62 Boat House, Concord	9/10/2023	8:28 AM	3	0.07	0.02	< 0.1		
SUD-064	Sherman Br Rd, Wayland	9/10/2023	6:45 AM	5.3	0.07	0.02			
SUD-086	River Rd, Wayland	9/10/2023	7:22 AM	4.3	0.05	0.02			
SUD-096	Rte 20, Wayland	9/10/2023	7:55 AM	6.1	0.06	0.02			
SUD-144	Sudbury Landing, Framingham	9/10/2023	8:55 AM	2.8	0.04	0.02			
SUD-293	Fruit Street	9/10/2023	8:20 AM	12	0.13	0.04		< 0.075	

Summary Statistics for Mainstem Sites

Maximum	12	0.13	0.04	1.19	0.141	290
Minimum	2.4	0.03	0.005	0.025	0.05	290

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	9/10/2023	7:30 AM	< 1.7	0.04	0.02		< 0.075	
ELZ-004	Elizabeth Br, Stow	9/10/2023	6:50 AM	2.5	0.02	0.01		< 0.075	
HBS-016	Hop Br, Sudbury	9/10/2023	8:25 AM	2.4	0.10	0.05		< 0.075	
HOP-011	Hop Br, Northboro	9/10/2023	6:44 AM	4.2	0.06	0.02		< 0.075	
NSH-002	Nashoba, Commonwealth, W. Con	9/10/2023	8:50 AM	< 1.7	0.03	0.02		< 0.075	
NSH-047	Nashoba, Wheeler Ln, Acton	9/10/2023	6:24 AM	< 1.7	0.05	0.02		< 0.075	
RVM-005	River Mead, Thorndike, Lowell	9/10/2023	7:09 AM	2.3	0.05	0.02		< 0.075	

Summary Statistics for Tributary Sites

Maximum	4.2	0.1	0.05		0.05
Minimum	0.5	0.02	0.01		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	11/5/2023	7:15 AM	< 1.8	0.03	0.02	0.81	< 0.075	
ABT-077	Rte 27/USGS, Maynard	11/5/2023	9:26 AM	< 1.8	0.03	0.02			
ABT-301	Rte 9, Westboro	11/5/2023	8:00 AM	2.4	0.07	0.04		0.077	100
ABT-312	Mill Road, Westboro	11/5/2023	8:25 AM	< 1.9	0.02	< 0.005		< 0.075	
CND-009	Rogers St, Lowell	11/5/2023	8:45 AM	1.7	0.04	0.01	0.58		
SUD-005	Rte 62 Boat House, Concord	11/5/2023	6:40 AM	1.9	0.05	0.01	0.14		
SUD-144	Sudbury Landing, Framingham	11/5/2023	7:33 AM	2.2	0.03	0.01			
SUD-293	Fruit Street	11/5/2023	9:15 AM	< 1.9	0.30	0.01		0.086	

Summary Statistics for Mainstem Sites

Maximum	2.4	0.3	0.04	0.81	0.086	100
Minimum	0.5	0.02	0.005	0.14	0.05	100

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	11/5/2023	8:24 AM	< 1.9	0.04	0.01		< 0.075	
ELZ-004	Elizabeth Br, Stow	11/5/2023	9:01 AM	< 1.7	0.03	0.01		< 0.075	
HBS-016	Hop Br, Sudbury	11/5/2023	7:01 AM	< 1.8	0.03	0.01		< 0.075	
HOP-011	Hop Br, Northboro	11/5/2023	7:25 AM	1.8	0.02	0.01		< 0.075	
NSH-002	Nashoba, Commonwealth, W. Con	11/5/2023	9:30 AM	< 1.8	0.03	0.01		< 0.075	
NSH-047	Nashoba, Wheeler Ln, Acton	11/5/2023	7:45 AM	1.8	0.02	0.01		< 0.075	
RVM-005	River Mead, Thorndike, Lowell	11/5/2023	8:20 AM	1.8	0.03	0.01		< 0.075	

Summary Statistics for Tributary Sites

Maximum	1.8	0.04	0.01	0.05
Minimum	0.5	0.02	0.01	0.05

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

Mainstem				Chlorophyll a
Site Number	Location	Date	Time	($\mu\text{g/L}$)
SUD-005	Rte 62 Boat House, Concord	6/12/2023	7:41 AM	9.13
SUD-064	Sherman Br Rd, Wayland	6/12/2023	7:14 AM	2.97
SUD-086	River Rd, Wayland	6/12/2023	6:49 AM	6.30
SUD-096	Rte 20, Wayland	6/12/2023	7:00 AM	3.43
SUD-144	Sudbury Landing, Framingham	6/12/2023	6:30 AM	< 2

Summary Statistics for Mainstem Sites

Maximum	9.13
Minimum	1

Tributary				Chlorophyll a
Site Number	Location	Date	Time	($\mu\text{g/L}$)
HBS-016	Hop Br, Sudbury	6/12/2023	6:25 AM	3.76

Summary Statistics for Tributary Sites

Maximum	3.76
Minimum	3.76

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

Mainstem				Chlorophyll a
Site Number	Location	Date	Time	($\mu\text{g/L}$)
SUD-005	Rte 62 Boat House, Concord	7/28/2023	9:00 AM	3.33
SUD-064	Sherman Br Rd, Wayland	7/28/2023	9:32 AM	5.49
SUD-086	River Rd, Wayland	7/28/2023	10:19 AM	3.98
SUD-096	Rte 20, Wayland	7/28/2023	9:55 AM	4.51
SUD-144	Sudbury Landing, Framingham	7/28/2023	10:49 AM	6.62

Summary Statistics for Mainstem Sites

Maximum	6.62
Minimum	3.33

Tributary				Chlorophyll a
Site Number	Location	Date	Time	($\mu\text{g/L}$)
HBS-016	Hop Br, Sudbury	7/28/2023	10:30 AM	2.75

Summary Statistics for Tributary Sites

Maximum	2.75
Minimum	2.75

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

Mainstem				Chlorophyll a
Site Number	Location	Date	Time	($\mu\text{g/L}$)
SUD-005	Rte 62 Boat House, Concord	8/14/2023	6:20 AM	6.90
SUD-064	Sherman Br Rd, Wayland	8/14/2023	6:45 AM	6.26
SUD-086	River Rd, Wayland	8/14/2023	7:15 AM	5.52
SUD-096	Rte 20, Wayland	8/14/2023	7:00 AM	9.89
SUD-144	Sudbury Landing, Framingham	8/14/2023	7:37 AM	5.20

Summary Statistics for Mainstem Sites

Maximum	9.89
Minimum	5.2

Tributary				Chlorophyll a
Site Number	Location	Date	Time	($\mu\text{g/L}$)
HBS-016	Hop Br, Sudbury	8/14/2023	7:45 AM	6.75

Summary Statistics for Tributary Sites

Maximum	6.75
Minimum	6.75

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

Mainstem					
Site Number	Location	Date	Time	Gage Reading (ft)	Flow (cfs)
ABT-077	Rte 27/USGS, Maynard	3/19/2023	11:02 AM	3.98	667
ABT-077	Rte 27/USGS, Maynard	5/14/2023	6:23 AM	2.32	150
ABT-077	Rte 27/USGS, Maynard	6/11/2023	9:26 AM	1.81	68.8
ABT-077	Rte 27/USGS, Maynard	7/16/2023	10:37 AM	3.68	548
ABT-077	Rte 27/USGS, Maynard	8/13/2023	9:24 AM	2.91	295
ABT-077	Rte 27/USGS, Maynard	9/10/2023	6:20 AM	2.67	229
ABT-077	Rte 27/USGS, Maynard	11/5/2023	9:26 AM	2.36	158
ABT-312	Mill Road, Westboro	3/19/2023	8:45 AM	2.10	36.5
ABT-312	Mill Road, Westboro	5/14/2023	7:46 AM	1.49	6.15
ABT-312	Mill Road, Westboro	6/11/2023	8:12 AM	1.28	1.87
ABT-312	Mill Road, Westboro	8/13/2023	8:05 AM	1.82	18.82
ABT-312	Mill Road, Westboro	9/10/2023	7:45 AM	1.44	4.86
ABT-312	Mill Road, Westboro	11/5/2023	8:25 AM	1.62	10.56
CND-009	Rogers St, Lowell	3/19/2023	9:40 AM	7.16	2200
CND-009	Rogers St, Lowell	5/14/2023	7:45 AM	5.44	680
CND-009	Rogers St, Lowell	6/11/2023	8:15 AM	4.65	286
CND-009	Rogers St, Lowell	7/16/2023	8:30 AM	5.99	1090

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

CND-009	Rogers St, Lowell	8/13/2023	7:49 AM	6.40	1440
CND-009	Rogers St, Lowell	9/10/2023	7:35 AM	5.52	731
CND-009	Rogers St, Lowell	11/5/2023	8:45 AM	5.56	759
SUD-144	Sudbury Landing, Framingham	3/19/2023	8:24 AM	8.57	675
SUD-144	Sudbury Landing, Framingham	5/14/2023	8:24 AM	5.29	109
SUD-144	Sudbury Landing, Framingham	6/11/2023	8:11 AM	4.74	56.9
SUD-144	Sudbury Landing, Framingham	7/16/2023	8:05 AM	6.09	198
SUD-144	Sudbury Landing, Framingham	8/13/2023	7:37 AM	7.65	431
SUD-144	Sudbury Landing, Framingham	9/10/2023	8:55 AM	5.43	120
SUD-144	Sudbury Landing, Framingham	11/5/2023	7:33 AM	6.16	207
SUD-293	Fruit Street	3/19/2023	9:30 AM	1.72	> 72.32
SUD-293	Fruit Street	5/14/2023	8:36 AM	0.74	13.59
SUD-293	Fruit Street	6/11/2023	8:58 AM	0.46	4.50
SUD-293	Fruit Street	8/13/2023	9:05 AM	1.32	48.09
SUD-293	Fruit Street	9/10/2023	8:20 AM	1.50	63.1
SUD-293	Fruit Street	11/5/2023	9:15 AM	0.88	19.98

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

Tributary					
Site Number	Location	Date	Time	Gage Reading (ft)	Flow (cfs)
DAN-013	Danforth Br, Hudson	3/19/2023	9:40 AM	1.93	> 29.224
DAN-013	Danforth Br, Hudson	5/14/2023	7:36 AM	1.18	5.224
DAN-013	Danforth Br, Hudson	6/11/2023	8:05 AM	0.88	1.447
DAN-013	Danforth Br, Hudson	7/16/2023	9:05 AM	1.77	27.345
DAN-013	Danforth Br, Hudson	8/13/2023	7:45 AM	1.20	5.608
DAN-013	Danforth Br, Hudson	9/10/2023	7:30 AM	1.58	17.382
DAN-013	Danforth Br, Hudson	11/5/2023	8:24 AM	1.21	5.807
ELZ-037	Elizabeth Br, Rt. 117	3/19/2023	9:00 AM	3.93	> 66.08
ELZ-037	Elizabeth Br, Rt. 117	5/14/2023	7:00 AM	2.94	18.1
ELZ-037	Elizabeth Br, Rt. 117	6/11/2023	9:00 AM	2.72	9.83
ELZ-037	Elizabeth Br, Rt. 117	7/16/2023	10:10 AM	1.4	51.99
ELZ-037	Elizabeth Br, Rt. 117	8/13/2023	8:58 AM	3.04	22.69
ELZ-037	Elizabeth Br, Rt. 117	9/10/2023	6:50 AM	3.22	32.26
ELZ-037	Elizabeth Br, Rt. 117	11/5/2023	9:01 AM	3.14	27.8
HOP-011	Hop Br, Northboro	3/19/2023	7:45 AM	5.12	> 32.642
HOP-011	Hop Br, Northboro	5/14/2023	6:48 AM	4.50	8.375
HOP-011	Hop Br, Northboro	6/11/2023	6:51 AM	4.22	3.199

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

HOP-011	Hop Br, Northboro	7/16/2023	6:51 AM	5.30	> 32.642
HOP-011	Hop Br, Northboro	8/13/2023	6:50 AM	4.56	10.069
HOP-011	Hop Br, Northboro	9/10/2023	6:44 AM	4.40	6.064
HOP-011	Hop Br, Northboro	11/5/2023	7:25 AM	4.52	8.912
NSH-002	Nashoba, Commonwealth, W. Conc	3/19/2023	10:35 AM	4.20	> 289.25
NSH-002	Nashoba, Commonwealth, W. Conc	5/14/2023	8:40 AM	1.52	53.33
NSH-002	Nashoba, Commonwealth, W. Conc	6/11/2023	8:55 AM	1.32	37.29
NSH-002	Nashoba, Commonwealth, W. Conc	7/16/2023	11:55 AM	2.43	172.07
NSH-002	Nashoba, Commonwealth, W. Conc	8/13/2023	9:06 AM	2.37	161.75
NSH-002	Nashoba, Commonwealth, W. Conc	9/10/2023	8:50 AM	1.72	72.79
NSH-002	Nashoba, Commonwealth, W. Conc	11/5/2023	9:30 AM	1.75	76.01
NSH-047	Nashoba, Wheeler Ln, Acton	3/19/2023	8:25 AM	4.90	74.2
NSH-047	Nashoba, Wheeler Ln, Acton	5/14/2023	6:32 AM	3.80	14
NSH-047	Nashoba, Wheeler Ln, Acton	6/11/2023	9:30 AM	3.55	6.76
NSH-047	Nashoba, Wheeler Ln, Acton	7/16/2023	8:00 AM	4.09	20.6
NSH-047	Nashoba, Wheeler Ln, Acton	8/13/2023	8:42 AM	4.26	27.2
NSH-047	Nashoba, Wheeler Ln, Acton	9/10/2023	6:24 AM	4.11	21.3
NSH-047	Nashoba, Wheeler Ln, Acton	11/5/2023	7:45 AM	3.97	16.7
RVM-005	River Mead, Thorndike, Lowell	3/19/2023	9:10 AM	2.48	> 89.71

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

RVM-005	River Mead, Thorndike, Lowell	5/14/2023	7:16 AM	1.42	50.96
RVM-005	River Mead, Thorndike, Lowell	6/11/2023	7:40 AM	1.32	36.26
RVM-005	River Mead, Thorndike, Lowell	7/16/2023	7:49 AM	2.15	> 89.71
RVM-005	River Mead, Thorndike, Lowell	8/13/2023	7:26 AM	2.00	> 89.71
RVM-005	River Mead, Thorndike, Lowell	9/10/2023	7:09 AM	1.46	58.07
RVM-005	River Mead, Thorndike, Lowell	11/5/2023	8:20 AM	1.52	70.26

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

Mainstem

Site Number	Location	Date	Time	E. coli CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	5/15/2023	7:35 AM	93
ABT-080	Assabet, Main St & Walnut, Mayna	5/15/2023	7:20 AM	27
ABT-084	Assabet, Maynard Town Hall	5/15/2023	6:55 AM	47
ABT-089	Assabet, Rt. 117, Maynard	5/15/2023	6:43 AM	51
ABT-162	Cox St, Hudson	5/15/2023	6:24 AM	58
CND-009	Rogers St, Lowell	5/15/2023	6:15 AM	72
CND-093	Rte 4, Billerica	5/15/2023	6:50 AM	28
MLP-003	Mill Pond, Sudbury St, Maynard	5/15/2023	7:04 AM	23
SUD-137	Little Farms Rd	5/15/2023	6:15 AM	73
SUD-236	Chestnut St.	5/15/2023	5:45 AM	65

Summary Statistics for 5/15/2023 Sites

Maximum	93
Minimum	23

Tributary

Site Number	Location	Date	Time	E. coli CFU / 100ml)
RVM-001	Lawrence St., Lowell	5/15/2023	5:58 AM	410

Summary Statistics for 5/15/2023 Sites

Maximum	410
Minimum	410

OARS

na = not assessed; nr = not reported

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

Mainstem

Site Number	Location	Date	Time	E. coli CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	5/30/2023	7:45 AM	105
ABT-080	Assabet, Main St & Walnut, Mayna	5/30/2023	7:30 AM	114
ABT-084	Assabet, Maynard Town Hall	5/30/2023	7:10 AM	96
ABT-089	Assabet, Rt. 117, Maynard	5/30/2023	6:55 AM	22
ABT-162	Cox St, Hudson	5/30/2023	6:35 AM	58
CND-009	Rogers St, Lowell	5/30/2023	6:20 AM	83
CND-093	Rte 4, Billerica	5/30/2023	6:45 AM	11
MLP-003	Mill Pond, Sudbury St, Maynard	5/30/2023	7:20 AM	26
SUD-137	Little Farms Rd	5/30/2023	7:10 AM	47
SUD-236	Chestnut St.	5/30/2023	6:35 AM	63

Summary Statistics for 5/30/2023 Sites

Maximum	114
Minimum	11

Tributary

Site Number	Location	Date	Time	E. coli CFU / 100ml)
RVM-001	Lawrence St., Lowell	5/30/2023	6:10 AM	272

Summary Statistics for 5/30/2023 Sites

Maximum	272
Minimum	272

OARS

na = not assessed; nr = not reported

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

Mainstem

Site Number	Location	Date	Time	E. coli CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	6/12/2023	7:35 AM	150
ABT-080	Assabet, Main St & Walnut, Mayna	6/12/2023	7:28 AM	86
ABT-084	Assabet, Maynard Town Hall	6/12/2023	7:15 AM	96
ABT-089	Assabet, Rt. 117, Maynard	6/12/2023	6:55 AM	77
ABT-162	Cox St, Hudson	6/12/2023	6:35 AM	73
CND-009	Rogers St, Lowell	6/12/2023	7:20 AM	108
CND-093	Rte 4, Billerica	6/12/2023	7:55 AM	39
MLP-003	Mill Pond, Sudbury St, Maynard	6/12/2023	7:20 AM	78
SUD-137	Little Farms Rd	6/12/2023	6:15 AM	82
SUD-236	Chestnut St.	6/12/2023	5:45 AM	110

Summary Statistics for 6/12/2023 Sites

Maximum	150
Minimum	39

Tributary

Site Number	Location	Date	Time	E. coli CFU / 100ml)
RVM-001	Lawrence St., Lowell	6/12/2023	7:00 AM	387

Summary Statistics for 6/12/2023 Sites

Maximum	387
Minimum	387

OARS

na = not assessed; nr = not reported

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

Mainstem

Site Number	Location	Date	Time	E. coli CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	6/26/2023	7:27 AM	344
ABT-080	Assabet, Main St & Walnut, Mayna	6/26/2023	7:13 AM	167
ABT-084	Assabet, Maynard Town Hall	6/26/2023	6:50 AM	204
ABT-089	Assabet, Rt. 117, Maynard	6/26/2023	6:30 AM	64
ABT-162	Cox St, Hudson	6/26/2023	6:01 AM	326
CND-009	Rogers St, Lowell	6/26/2023	6:50 AM	185
CND-093	Rte 4, Billerica	6/26/2023	7:20 AM	43
MLP-003	Mill Pond, Sudbury St, Maynard	6/26/2023	7:04 AM	89
SUD-137	Little Farms Rd	6/26/2023	7:05 AM	141
SUD-236	Chestnut St.	6/26/2023	6:35 AM	185

Summary Statistics for 6/26/2023 Sites

Maximum	344
Minimum	43

Tributary

Site Number	Location	Date	Time	E. coli CFU / 100ml)
RVM-001	Lawrence St., Lowell	6/26/2023	6:35 AM	249

Summary Statistics for 6/26/2023 Sites

Maximum	249
Minimum	249

OARS

na = not assessed; nr = not reported

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	7/17/2023	7:35 AM	517
ABT-079	Walnut St Bridge, Maynard	7/17/2023	7:10 AM	816
ABT-080	Assabet, Main St & Walnut, Mayna	7/17/2023	7:00 AM	770
ABT-084	Assabet, Maynard Town Hall	7/17/2023	6:55 AM	411
ABT-089	Assabet, Rt. 117, Maynard	7/17/2023	6:45 AM	770
ABT-162	Cox St, Hudson	7/17/2023	6:25 AM	1120
CND-009	Rogers St, Lowell	7/17/2023	6:45 AM	649
CND-093	Rte 4, Billerica	7/17/2023	7:10 AM	166
SUD-137	Little Farms Rd	7/17/2023	7:10 AM	548
SUD-236	Chestnut St.	7/17/2023	6:35 AM	1986

Summary Statistics for 7/17/2023 Sites

Maximum	1986
Minimum	166

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	7/17/2023	6:25 AM	1300

Summary Statistics for 7/17/2023 Sites

Maximum	1300
Minimum	1300

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	7/31/2023	7:25 AM	326
ABT-079	Walnut St Bridge, Maynard	7/31/2023	7:10 AM	435
ABT-080	Assabet, Main St & Walnut, Mayna	7/31/2023	6:55 AM	345
ABT-084	Assabet, Maynard Town Hall	7/31/2023	6:40 AM	276
ABT-089	Assabet, Rt. 117, Maynard	7/31/2023	6:25 AM	365
ABT-162	Cox St, Hudson	7/31/2023	6:00 AM	387
CND-009	Rogers St, Lowell	7/31/2023	6:05 AM	326
CND-093	Rte 4, Billerica	7/31/2023	6:40 AM	59
SUD-137	Little Farms Rd	7/31/2023	7:10 AM	172
SUD-236	Chestnut St.	7/31/2023	6:35 AM	194

Summary Statistics for 7/31/2023 Sites

Maximum	435
Minimum	59

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	7/31/2023	5:45 AM	730

Summary Statistics for 7/31/2023 Sites

Maximum	730
Minimum	730

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

Mainstem

Site Number	Location	Date	Time	E. coli CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	8/14/2023	7:30 AM	82
ABT-079	Walnut St Bridge, Maynard	8/14/2023	7:20 AM	56
ABT-080	Assabet, Main St & Walnut, Mayna	8/14/2023	7:10 AM	59
ABT-084	Assabet, Maynard Town Hall	8/14/2023	6:50 AM	69
ABT-089	Assabet, Rt. 117, Maynard	8/14/2023	6:40 AM	70
ABT-162	Cox St, Hudson	8/14/2023	6:20 AM	77
CND-009	Rogers St, Lowell	8/14/2023	6:55 AM	112
CND-093	Rte 4, Billerica	8/14/2023	7:26 AM	69
SUD-137	Little Farms Rd	8/14/2023	8:00 AM	47
SUD-236	Chestnut St.	8/14/2023	6:57 AM	110

Summary Statistics for 8/14/2023 Sites

Maximum	112
Minimum	47

Tributary

Site Number	Location	Date	Time	E. coli CFU / 100ml)
RVM-001	Lawrence St., Lowell	8/14/2023	6:39 AM	488

Summary Statistics for 8/14/2023 Sites

Maximum	488
Minimum	488

OARS

na = not assessed; nr = not reported

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	8/28/2023	7:24 AM	77
ABT-079	Walnut St Bridge, Maynard	8/28/2023	7:10 AM	82
ABT-080	Assabet, Main St & Walnut, Mayna	8/28/2023	7:00 AM	78
ABT-084	Assabet, Maynard Town Hall	8/28/2023	6:48 AM	69
ABT-089	Assabet, Rt. 117, Maynard	8/28/2023	6:43 AM	118
ABT-162	Cox St, Hudson	8/28/2023	6:30 AM	147
CND-009	Rogers St, Lowell	8/28/2023	6:30 AM	86
CND-093	Rte 4, Billerica	8/28/2023	7:30 AM	77
SUD-137	Little Farms Rd	8/28/2023	7:51 AM	64
SUD-236	Chestnut St.	8/28/2023	7:15 AM	116

Summary Statistics for 8/28/2023 Sites

Maximum	147
Minimum	64

Tributary				E. coli
Site Number	Location	Date	Time	CFU / 100ml)
RVM-001	Lawrence St., Lowell	8/28/2023	6:05 AM	167

Summary Statistics for 8/28/2023 Sites

Maximum	167
Minimum	167

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

Mainstem

Site Number	Location	Date	Time	E. coli CFU / 100ml)
ABT-077	Rte 27/USGS, Maynard	9/11/2023	7:30 AM	770
ABT-079	Walnut St Bridge, Maynard	9/11/2023	7:20 AM	687
ABT-080	Assabet, Main St & Walnut, Mayna	9/11/2023	7:12 AM	489
ABT-084	Assabet, Maynard Town Hall	9/11/2023	7:04 AM	687
ABT-089	Assabet, Rt. 117, Maynard	9/11/2023	6:55 AM	816
ABT-162	Cox St, Hudson	9/11/2023	6:35 AM	345
CND-009	Rogers St, Lowell	9/11/2023	6:30 AM	1414
CND-093	Rte 4, Billerica	9/11/2023	7:20 AM	88
SUD-137	Little Farms Rd	9/11/2023	7:25 AM	488
SUD-236	Chestnut St.	9/11/2023	6:50 AM	649

Summary Statistics for 9/11/2023 Sites

Maximum	1414
Minimum	88

Tributary

Site Number	Location	Date	Time	E. coli CFU / 100ml)
RVM-001	Lawrence St., Lowell	9/11/2023	6:10 AM	> 2420

Summary Statistics for 9/11/2023 Sites

Maximum	
Minimum	

OARS

na = not assessed; nr = not reported