

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)
1NE-outfall	01/09/2019 09:40	01/09/2019 09:40	Base	Grab	7	4.6	885	11.96	7.9	0.73	1450	55	374	0.96
1NE-outfall	01/23/2019 09:50	01/23/2019 09:50	Base	Grab	15	6.1	939	11.64	8.0	0.74	1471	38	367	0.94
1NE-outfall	02/13/2019 09:45	02/13/2019 09:45	Base	Grab	7	5.2	1133	11.59	7.8	0.92	1822	23	355	1.33
1NE-outfall	02/27/2019 10:15	02/27/2019 10:15	Base	Grab	7	5.1	1012	11.90	7.7	0.82	1633	27	365	1.68
1NE-outfall	03/13/2019 14:35	03/13/2019 20:55	Melt	Composite	31							15	41	1.60
1NE-outfall	03/18/2019 09:20	03/18/2019 09:20	Base	Grab	27	3.7	639	12.50	7.6	0.53	1077	58	154	0.88
1NE-outfall	03/21/2019 12:25	03/21/2019 17:10	Melt	Composite	36								58	0.86
1NE-outfall	05/08/2019 13:00	05/08/2019 20:15	Rain	Composite	40								37	0.16
1NE-outfall	05/19/2019 08:15	05/19/2019 12:05	Rain	Composite	50									0.30
1NE-outfall	06/14/2019 08:50	06/14/2019 08:50	Base	Grab	70	13.0	1136	9.83	7.1	0.75	1473	> 100	342	0.28
1NE-outfall	06/23/2019 21:05	06/24/2019 01:40	Rain	Composite	60								59	0.19
1NE-outfall	06/26/2019 08:05	06/26/2019 08:05	Base	Grab	70	13.5	1023	9.89	7.2	0.66	1311	> 100	324	0.13
1NE-outfall	06/30/2019 12:10	06/30/2019 13:50	Rain	Composite	85								52	~ 0.04
1NE-outfall	07/09/2019 14:45	07/09/2019 16:10	Rain	Composite	70								74	< 0.02
1NE-outfall	07/15/2019 08:30	07/15/2019 08:30	Base	Grab	80	17.0	1227	8.67	7.3	0.73	1447	> 100	348	0.18
1NE-outfall	07/23/2019 08:30	07/23/2019 08:30	Base	Grab	70	14.7	1212	9.55	7.3	0.76	1510	100	358	0.44
1NE-outfall	08/03/2019 17:40	08/03/2019 18:30	Rain	Composite	75								25	< 0.02
1NE-outfall	08/05/2019 12:45	08/05/2019 13:20	Rain	Composite	70								52	~ 0.05
1NE-outfall	08/07/2019 08:00	08/07/2019 08:00	Base	Grab	70	16.1	1102	9.20	6.9	0.67	1328	> 100	319	0.23
1NE-outfall	08/10/2019 16:20	08/10/2019 19:25	Rain	Composite	70								37	0.06
1NE-outfall	08/19/2019 08:05	08/19/2019 08:05	Base	Grab	65	15.9	944	9.32	7.1	0.57	1143	> 100	300	0.22
1NE-outfall	09/06/2019 08:05	09/06/2019 08:50	Base	Grab	65	15.3	1171	9.47	7.0	0.73	1436	100	336	0.52
1NE-outfall	09/11/2019 03:55	09/11/2019 05:50	Rain	Composite	62								29	0.22
1NE-outfall	09/12/2019 03:45	09/12/2019 05:30	Rain	Composite	50								27	< 0.02
1NE-outfall	09/12/2019 06:40	09/12/2019 07:50	Rain	Composite	50								26	< 0.02
1NE-outfall	09/17/2019 08:00	09/17/2019 08:00	Base	Grab	70	16.6	1059	9.37	7.6	0.63	1262	95	343	0.38
1NE-outfall	10/01/2019 14:45	10/01/2019 16:20	Rain	Composite	50								29	< 0.02
1NE-outfall	11/15/2019 09:20	11/15/2019 09:20	Base	Grab	35	9.5	857	10.66	7.1	0.61	1217	> 100	335	0.59
1NE-outfall	11/26/2019 09:50	11/26/2019 09:50	Base	Grab	35	8.8	972	10.71	7.0	0.71	1407	50	303	0.79
1NE-outfall	12/03/2019 09:35	12/03/2019 09:35	Base	Grab	25	7.6	1429	10.85	6.7	1.10	2142	34	338	1.38
1NE-outfall	12/17/2019 09:40	12/17/2019 09:40	Base	Grab	25	6.8	890	11.74	7.5	0.69	1366	> 100	373	0.16

2019 Stormwater Sample Data - 1NE-outfall continued

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/ 100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
1NE-outfall	01/09/2019 09:40	01/09/2019 09:40	1.4	~ 9	129.2	< 0.02	~ 0.01	~ 0.04		654	1.70	1.23	0.04
1NE-outfall	01/23/2019 09:50	01/23/2019 09:50	0.7	15	138.9	< 0.02	< 0.01	0.06	2	611	1.40	1.27	0.04
1NE-outfall	02/13/2019 09:45	02/13/2019 09:45	0.9	~ 13	205.6	< 0.02	~ 0.01	0.08		669	2.10	1.42	0.04
1NE-outfall	02/27/2019 10:15	02/27/2019 10:15	1.2	60	167.7	< 0.02	< 0.01	~ 0.03	< 1	712	2.40	1.46	0.03
1NE-outfall	03/13/2019 14:35	03/13/2019 20:55		114	440.7	0.29		0.61		62	5.80	0.69	0.08
1NE-outfall	03/18/2019 09:20	03/18/2019 09:20	> 8.7	61	185.6	0.32	0.28	0.38		214	2.60	0.90	0.05
1NE-outfall	03/21/2019 12:25	03/21/2019 17:10	> 8.7	98	63.4	0.35	0.30	0.60		64	2.70	0.30	0.06
1NE-outfall	05/08/2019 13:00	05/08/2019 20:15		105	27.1	0.11	0.10	0.45		46	2.10	0.25	< 0.06
1NE-outfall	05/19/2019 08:15	05/19/2019 12:05			34.2	< 0.02	~ 0.01	0.12			0.98	0.57	< 0.06
1NE-outfall	06/14/2019 08:50	06/14/2019 08:50	1.2	19	135.2	< 0.02	~ 0.01	~ 0.02		348	0.93	2.87	0.13
1NE-outfall	06/23/2019 21:05	06/24/2019 01:40		111	29.5	0.05	0.02	0.75		70	3.60	0.52	< 0.06
1NE-outfall	06/26/2019 08:05	06/26/2019 08:05	1.1	~ 6	105.2	< 0.02	~ 0.01	< 0.02	28	456	0.57	2.91	0.07
1NE-outfall	06/30/2019 12:10	06/30/2019 13:50	> 8.7	302	17.6	~ 0.04	0.02	0.92		61	3.60	0.42	< 0.06
1NE-outfall	07/09/2019 14:45	07/09/2019 16:10		195	27.6	~ 0.03		0.97		117	3.80	< 0.20	0.08
1NE-outfall	07/15/2019 08:30	07/15/2019 08:30	1.2	~ 12	113.2	< 0.02	~ 0.01	~ 0.02		524	0.74	2.51	0.14
1NE-outfall	07/23/2019 08:30	07/23/2019 08:30	0.8	20	126.8	< 0.02	~ 0.01	< 0.02	42	556	1.00	2.42	0.14
1NE-outfall	08/03/2019 17:40	08/03/2019 18:30	12.0	131	5.6	0.07	0.03	0.66		30	3.30	< 0.20	0.07
1NE-outfall	08/05/2019 12:45	08/05/2019 13:20		88	21.6	~ 0.03		0.32		74	2.10	0.39	0.13
1NE-outfall	08/07/2019 08:00	08/07/2019 08:00	0.8	16	109.8	~ 0.04	0.01	~ 0.03		553	0.67	2.15	0.09
1NE-outfall	08/10/2019 16:20	08/10/2019 19:25	3.9	112	13.1	~ 0.03	0.01	0.25		59	1.10	0.27	< 0.06
1NE-outfall	08/19/2019 08:05	08/19/2019 08:05	1.1	21	87.7	0.05	0.03	0.07	308		0.99	2.53	0.07
1NE-outfall	09/06/2019 08:05	09/06/2019 08:50	0.7	20	109.7	< 0.02	~ 0.01	< 0.02		502	1.20	2.02	0.12
1NE-outfall	09/11/2019 03:55	09/11/2019 05:50	4.6	54	5.7	0.07	0.07	0.25		< 8	1.00	0.24	< 0.06
1NE-outfall	09/12/2019 03:45	09/12/2019 05:30		35	8.2	~ 0.04		0.15		37	0.70	0.20	< 0.06
1NE-outfall	09/12/2019 06:40	09/12/2019 07:50		80	3.2	0.05		0.31		27	1.30	< 0.20	< 0.06
1NE-outfall	09/17/2019 08:00	09/17/2019 08:00	0.8	~ 14	115.4	< 0.02	~ 0.01	~ 0.04	111	581	1.00	2.38	0.14
1NE-outfall	10/01/2019 14:45	10/01/2019 16:20	4.6	89	5.8	0.06	0.06	0.34		32	1.40	< 0.20	< 0.06
1NE-outfall	11/15/2019 09:20	11/15/2019 09:20	0.4	22	107.6	~ 0.04	0.02	~ 0.05		597	1.10	2.08	0.07
1NE-outfall	11/26/2019 09:50	11/26/2019 09:50	4.5	28	135.9	~ 0.02	< 0.01	0.10	435	691	1.70	1.77	0.08
1NE-outfall	12/03/2019 09:35	12/03/2019 09:35	0.7	29	449.8	~ 0.02	< 0.01	~ 0.04		709	2.40	1.83	< 0.06
1NE-outfall	12/17/2019 09:40	12/17/2019 09:40	0.7	~ 11	170.2	< 0.02	~ 0.01	~ 0.02	93	567	0.65	1.91	< 0.06

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological Oxygen Demand 5-day (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
1NE-outfall	01/09/2019 09:40	01/09/2019 09:40	240.0	1.3	< 0.00020	~ 0.00015	0.00120	< 0.00100	0.0033	0.0057	949	4.9	5	~ 2
1NE-outfall	01/23/2019 09:50	01/23/2019 09:50	245.0	1.0							988	4.4	7	~ 2
1NE-outfall	02/13/2019 09:45	02/13/2019 09:45	290.0	0.8	< 0.00020	0.00015	0.00094	~ 0.00014	0.0027	0.0068	1140	4.6	11	~ 6
1NE-outfall	02/27/2019 10:15	02/27/2019 10:15	308.0	1.0							1070	4.8	6	~ 2
1NE-outfall	03/13/2019 14:35	03/13/2019 20:55	13.9		< 0.00020	0.00930	0.02220	0.00770	0.0043	0.2280	800	12.9	105	37
1NE-outfall	03/18/2019 09:20	03/18/2019 09:20	46.9	> 8.8	< 0.00020	0.00100	0.00750	0.00100	0.0025	0.0258	636	16.7	5	3
1NE-outfall	03/21/2019 12:25	03/21/2019 17:10	21.4	> 8.7							226	17.2	47	19
1NE-outfall	05/08/2019 13:00	05/08/2019 20:15	13.1		~ 0.00019	0.00650	0.01860	0.01190	0.0043	0.1300	118	10.0	137	44
1NE-outfall	05/19/2019 08:15	05/19/2019 12:05										7.7	38	13
1NE-outfall	06/14/2019 08:50	06/14/2019 08:50	196.0	0.9	< 0.00006	~ 0.00020	0.00130	< 0.00026	0.003	~ 0.0038	857	4.3	~ 1	~ 1
1NE-outfall	06/23/2019 21:05	06/24/2019 01:40	37.5								178	9.8	163	72
1NE-outfall	06/26/2019 08:05	06/26/2019 08:05	169.0	0.8							764	5.0	< 1	< 1
1NE-outfall	06/30/2019 12:10	06/30/2019 13:50	23.2	> 8.5	0.00055	0.01720	0.03560	0.03420	0.0122	0.2610	133	6.9	539	123
1NE-outfall	07/09/2019 14:45	07/09/2019 16:10	55.9								237	17.0	345	125
1NE-outfall	07/15/2019 08:30	07/15/2019 08:30	230.0	1.2	< 0.00006	~ 0.00020	0.00150	< 0.00026	0.0026	0.0093	878	4.9	~ 1	< 1
1NE-outfall	07/23/2019 08:30	07/23/2019 08:30	235.0	0.7							911	5.0	~ 1	< 1
1NE-outfall	08/03/2019 17:40	08/03/2019 18:30	3.4	18.0	~ 0.00022	0.00820	0.01980	0.01990	0.0068	0.1350	64	8.9	290	68
1NE-outfall	08/05/2019 12:45	08/05/2019 13:20	23.6								151	15.0	89	30
1NE-outfall	08/07/2019 08:00	08/07/2019 08:00	186.0	0.8	~ 0.00007	~ 0.00018	0.00150	< 0.00026	0.0025	0.0072	819	4.7	~ 1	~ 1
1NE-outfall	08/10/2019 16:20	08/10/2019 19:25	25.0	6.6							123	5.0	101	26
1NE-outfall	08/19/2019 08:05	08/19/2019 08:05	135.0	1.0							674	5.6	~ 1	~ 1
1NE-outfall	09/06/2019 08:05	09/06/2019 08:50	217.0	0.6	~ 0.00009	~ 0.00021	0.00140	< 0.00026	0.0027	~ 0.0032	869	4.7	~ 1	< 1
1NE-outfall	09/11/2019 03:55	09/11/2019 05:50	7.5	6.6							68	4.7	130	27
1NE-outfall	09/12/2019 03:45	09/12/2019 05:30	9.4								70	4.8	50	16
1NE-outfall	09/12/2019 06:40	09/12/2019 07:50	5.7								52	5.6	155	35
1NE-outfall	09/17/2019 08:00	09/17/2019 08:00	194.0	2.1							839	6.0	3	~ 2
1NE-outfall	10/01/2019 14:45	10/01/2019 16:20	7.5	6.3							73	5.8	158	43
1NE-outfall	11/15/2019 09:20	11/15/2019 09:20	188.0	0.5	< 0.00006	~ 0.00014	0.00130	< 0.00026	0.0028	~ 0.0018	788	4.4	~ 2	~ 1
1NE-outfall	11/26/2019 09:50	11/26/2019 09:50	275.0	4.8							961	6.2	6	3
1NE-outfall	12/03/2019 09:35	12/03/2019 09:35	287.0	0.8	< 0.00006	~ 0.00023	0.00110	< 0.00026	0.0026	~ 0.0049	1340	4.0	8	~ 3
1NE-outfall	12/17/2019 09:40	12/17/2019 09:40	150.0	0.6							882	2.7	~ 1	~ 1

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)
11CHF-outfall	01/09/2019 09:10	01/09/2019 09:10	Base	Grab	7	6.1	750.0	12.36	7.3	0.59	1175	> 100	226	~ 0.06
11CHF-outfall	01/23/2019 09:05	01/23/2019 09:05	Base	Grab	14	7.4	761.0	10.29	7.7	0.57	1147	> 100	316	~ 0.02
11CHF-outfall	02/14/2019 12:40	02/14/2019 12:40	Base	Grab	21							> 100	317	0.10
11CHF-outfall	02/27/2019 09:25	02/27/2019 09:25	Base	Grab	6	3.8	982.0	10.89	7.5	0.83	1651	> 100	321	0.07
11CHF-outfall	03/10/2019 14:35	03/10/2019 15:35	Melt	Composite	12								52	1.26
11CHF-outfall	03/13/2019 11:30	03/13/2019 15:25	Melt	Composite	43								39	1.89
11CHF-outfall	03/21/2019 10:50	03/21/2019 18:00	Melt	Composite	34								29	0.70
11CHF-outfall	04/06/2019 01:20	04/06/2019 06:30	Rain	Composite	51								24	0.39
11CHF-outfall	04/09/2019 09:10	04/09/2019 09:10	Base	Grab	47	8.3	366.6	11.20	7.4	0.26	538	41	66	0.17
11CHF-outfall	04/17/2019 08:35	04/17/2019 12:30	Rain	Composite	50								30	0.63
11CHF-outfall	05/10/2019 08:05	05/10/2019 08:05	Base	Grab	48	9.7	335.6	10.84	7.3	0.23	474	60	55	< 0.02
11CHF-outfall	05/19/2019 04:30	05/19/2019 11:10	Rain	Composite	50									0.10
11CHF-outfall	05/21/2019 19:00	05/21/2019 22:25	Rain	Composite	50								16	~ 0.04
11CHF-outfall	05/22/2019 08:00	05/22/2019 10:35	Rain	Composite	50								31	0.20
11CHF-outfall	05/27/2019 06:35	05/27/2019 12:55	Rain	Composite	45								13	~ 0.03
11CHF-outfall	06/04/2019 19:06	06/04/2019 20:35	Rain	Composite	75								14	0.26
11CHF-outfall	06/14/2019 08:15	06/14/2019 08:15	Base	Grab	70	13.5	1107.0	9.25	7.0	0.72	1418	99	328	< 0.02
11CHF-outfall	06/26/2019 07:40	06/26/2019 07:40	Base	Grab	70	14.5	1059.0	9.25	7.1	0.67	1326	> 100	308	< 0.02
11CHF-outfall	06/30/2019 12:05	06/30/2019 13:10	Rain	Composite	75								23	0.19
11CHF-outfall	07/09/2019 14:20	07/09/2019 17:10	Rain	Composite	70								24	~ 0.02
11CHF-outfall	07/15/2019 08:00	07/15/2019 08:00	Base	Grab	80	16.7	1103.0	8.76	7.4	0.66	1312	> 100	328	~ 0.04
11CHF-outfall	07/15/2019 16:45	07/15/2019 17:30	Rain	Composite	80								11	0.22
11CHF-outfall	07/23/2019 08:05	07/23/2019 08:05	Base	Grab	70	16.3	1274.0	8.98	7.2	0.77	1527	> 100	319	~ 0.02
11CHF-outfall	08/05/2019 12:20	08/05/2019 13:40	Rain	Composite	70								23	0.36
11CHF-outfall	08/13/2019 16:05	08/13/2019 17:45	Rain	Composite	65								12	0.06
11CHF-outfall	08/14/2019 03:35	08/14/2019 04:15	Rain	Composite	65								89	~ 0.03
11CHF-outfall	09/06/2019 07:30	09/06/2019 07:30	Base	Grab	65	16.7	1402.0	9.04	7.1	0.85	1666	> 100	297	~ 0.04
11CHF-outfall	09/11/2019 03:35	09/11/2019 07:35	Rain	Composite	62								11	0.18
11CHF-outfall	09/12/2019 03:10	09/12/2019 07:05	Rain	Composite	65								11	< 0.02
11CHF-outfall	09/29/2019 04:05	09/29/2019 05:10	Rain	Composite	50								27	< 0.02

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/ 100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11CHF-outfall	01/09/2019 09:10	01/09/2019 09:10	2.2	~ 13	212.8	~ 0.04	0.02	0.07		298	0.57	1.69	< 0.03
11CHF-outfall	01/23/2019 09:05	01/23/2019 09:05	1.0	~ 11	147.5	~ 0.03	0.02	0.06	5	356	0.36	2.22	< 0.03
11CHF-outfall	02/14/2019 12:40	02/14/2019 12:40	> 8.6	131	2167.0	0.20	0.16	0.36		491	1.60	2.97	0.05
11CHF-outfall	02/27/2019 09:25	02/27/2019 09:25	1.0	~ 7	298.8	~ 0.02	0.02	0.08	3	391	0.47	2.19	< 0.03
11CHF-outfall	03/10/2019 14:35	03/10/2019 15:35	> 8.9	273	2383.1	0.12	0.09	0.46		93	4.50	0.45	0.12
11CHF-outfall	03/13/2019 11:30	03/13/2019 15:25	19.0	224	761.2	0.27	0.24	0.62		73	6.30	0.57	0.10
11CHF-outfall	03/21/2019 10:50	03/21/2019 18:00	> 8.8	70	88.5	0.39	0.37	0.56		33	2.40	0.16	0.04
11CHF-outfall	04/06/2019 01:20	04/06/2019 06:30	20.0	141	76.2	0.10	0.07	0.51	~ 19		2.90	0.41	< 0.06
11CHF-outfall	04/09/2019 09:10	04/09/2019 09:10	3.2	31	95.9	0.06	0.04	0.17		74	0.95	0.61	< 0.06
11CHF-outfall	04/17/2019 08:35	04/17/2019 12:30	> 8.3	199	46.9	0.06	0.06	0.57	~ 12		3.30	0.42	< 0.06
11CHF-outfall	05/10/2019 08:05	05/10/2019 08:05	4.3	32	86.1	0.14	0.03	0.17		59	0.89	0.35	< 0.06
11CHF-outfall	05/19/2019 04:30	05/19/2019 11:10			21.9	~ 0.03	0.02	0.10			0.65	< 0.20	< 0.06
11CHF-outfall	05/21/2019 19:00	05/21/2019 22:25		46	7.7	~ 0.04		0.18	~ 12		1.40	< 0.20	< 0.06
11CHF-outfall	05/22/2019 08:00	05/22/2019 10:35		50	9.6	< 0.02		0.19		26	1.50	0.26	< 0.06
11CHF-outfall	05/27/2019 06:35	05/27/2019 12:55	5.8	43	5.4	~ 0.04	0.02	0.20	< 8		0.88	< 0.20	< 0.06
11CHF-outfall	06/04/2019 19:06	06/04/2019 20:35		108	3.8	~ 0.04	0.02	0.41	~ 18		2.20	0.34	< 0.06
11CHF-outfall	06/14/2019 08:15	06/14/2019 08:15	1.0	~ 14	196.5	~ 0.03	0.03	0.07		346	0.38	3.51	< 0.06
11CHF-outfall	06/26/2019 07:40	06/26/2019 07:40	1.1	< 5	161.0	~ 0.04	0.02	0.06	308	387	0.51	3.15	< 0.06
11CHF-outfall	06/30/2019 12:05	06/30/2019 13:10	> 8.6	196	3.9	0.06	0.04	0.61	~ 18		2.80	0.29	< 0.06
11CHF-outfall	07/09/2019 14:20	07/09/2019 17:10	> 8.7	112	11.5	0.12	0.04	0.39		27	2.40	0.29	0.06
11CHF-outfall	07/15/2019 08:00	07/15/2019 08:00	0.9	~ 6	149.1	~ 0.02	0.03	0.08		462	0.36	3.42	< 0.06
11CHF-outfall	07/15/2019 16:45	07/15/2019 17:30	7.9	93	2.7	0.12	0.12	0.55		29	2.40	0.34	< 0.06
11CHF-outfall	07/23/2019 08:05	07/23/2019 08:05	1.0	~ 11	188.3	0.05	0.01	0.06	46	445	0.35	3.25	< 0.06
11CHF-outfall	08/05/2019 12:20	08/05/2019 13:40		75	9.0	0.07		0.30		32	1.70	0.41	0.07
11CHF-outfall	08/13/2019 16:05	08/13/2019 17:45	4.9	72	2.7	0.07	0.05	0.29	~ 11		1.30	0.35	< 0.06
11CHF-outfall	08/14/2019 03:35	08/14/2019 04:15		34	14.5	~ 0.04	0.01	0.11		98	0.64	0.37	< 0.06
11CHF-outfall	09/06/2019 07:30	09/06/2019 07:30	0.6	~ 7	283.8	~ 0.03	0.01	< 0.02		562	0.46	3.74	< 0.06
11CHF-outfall	09/11/2019 03:35	09/11/2019 07:35	4.5	36	2.8	0.08	0.06	0.11	< 8		0.63	0.23	< 0.06
11CHF-outfall	09/12/2019 03:10	09/12/2019 07:05		26	2.6	~ 0.05		0.12	~ 10		0.59	< 0.20	< 0.06
11CHF-outfall	09/29/2019 04:05	09/29/2019 05:10		81	9.0	0.18		0.38	~ 14		1.50	< 0.20	< 0.06

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological Oxygen Demand 5-day (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
11CHF-outfall	01/09/2019 09:10	01/09/2019 09:10	56.2	2.2	< 0.00020	0.00094	0.0020	< 0.00100	0.0027	0.0160	677	4.9	3	~ 2
11CHF-outfall	01/23/2019 09:05	01/23/2019 09:05	60.5	0.5							659	2.1	3	~ 1
11CHF-outfall	02/14/2019 12:40	02/14/2019 12:40	119.0	> 8.6	< 0.00020	0.0021	0.0029	0.00056	0.0339	0.1360	3850	3.8	12	11
11CHF-outfall	02/27/2019 09:25	02/27/2019 09:25	60.9	0.5							912	1.5	~ 1	~ 1
11CHF-outfall	03/10/2019 14:35	03/10/2019 15:35	20.0	> 8.8							3460	7.1	251	129
11CHF-outfall	03/13/2019 11:30	03/13/2019 15:25	10.7	24							1230	12.0	182	73
11CHF-outfall	03/21/2019 10:50	03/21/2019 18:00	4.0	> 8.8							244	13.9	33	16
11CHF-outfall	04/06/2019 01:20	04/06/2019 06:30	5.8	23							173	13.9	140	64
11CHF-outfall	04/09/2019 09:10	04/09/2019 09:10	11.1	4.3	< 0.00006	0.0011	0.0044	0.00160	0.0014	0.0226	288	5.9	10	~ 5
11CHF-outfall	04/17/2019 08:35	04/17/2019 12:30	3.5	> 8.5	~ 0.00022	0.0127	0.0279	0.01440	0.0087	0.1850	149	7.2	246	84
11CHF-outfall	05/10/2019 08:05	05/10/2019 08:05	6.1	4.8	< 0.00006	0.00098	0.0031	0.00130	0.0011	0.0187	204	5.8	8	5
11CHF-outfall	05/19/2019 04:30	05/19/2019 11:10										5.7	15	8
11CHF-outfall	05/21/2019 19:00	05/21/2019 22:25	2.0								41	5.8	35	18
11CHF-outfall	05/22/2019 08:00	05/22/2019 10:35	3.4								65	4.4	52	20
11CHF-outfall	05/27/2019 06:35	05/27/2019 12:55	1.5	7.6							35	5.0	59	22
11CHF-outfall	06/04/2019 19:06	06/04/2019 20:35	2.2	> 8.7							48	5.8	176	58
11CHF-outfall	06/14/2019 08:15	06/14/2019 08:15	78.5	0.6	< 0.00006	~ 0.00035	0.0084	< 0.00026	0.0027	0.0092	774	2.4	< 1	< 1
11CHF-outfall	06/26/2019 07:40	06/26/2019 07:40	72.0	0.7							718	2.9	~ 2	~ 1
11CHF-outfall	06/30/2019 12:05	06/30/2019 13:10	3.0	> 8.9	~ 0.00026	0.0133	0.0356	0.01910	0.0145	0.2090	48	6.9	593	143
11CHF-outfall	07/09/2019 14:20	07/09/2019 17:10	3.4	> 8.5							87	20.3	70	33
11CHF-outfall	07/15/2019 08:00	07/15/2019 08:00	67.6	0.4	< 0.00006	~ 0.00044	0.0013	< 0.00026	0.0023	0.0078	688	2.9	~ 1	~ 1
11CHF-outfall	07/15/2019 16:45	07/15/2019 17:30	2.0	12	~ 0.00027	0.0081	0.0189	0.01590	0.0064	0.1250	33	6.0	186	53
11CHF-outfall	07/23/2019 08:05	07/23/2019 08:05	81.7	0.6							735	2.5	~ 1	~ 1
11CHF-outfall	08/05/2019 12:20	08/05/2019 13:40	3.5								78	9.7	79	28
11CHF-outfall	08/13/2019 16:05	08/13/2019 17:45	2.1	7.2							33	5.3	130	36
11CHF-outfall	08/14/2019 03:35	08/14/2019 04:15	13.5								148	5.9	15	8
11CHF-outfall	09/06/2019 07:30	09/06/2019 07:30	120.0	0.3	~ 0.00012	~ 0.00027	0.0012	< 0.00026	0.0054	~ 0.0046	1030	1.8	< 1	< 1
11CHF-outfall	09/11/2019 03:35	09/11/2019 07:35	1.3	5.8							34	4.7	38	13
11CHF-outfall	09/12/2019 03:10	09/12/2019 07:05	1.3								18	4.3	32	11
11CHF-outfall	09/29/2019 04:05	09/29/2019 05:10	3.9								74	13.1	46	25

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)
11CHF-outfall	10/01/2019 14:25	10/01/2019 17:05	Rain	Composite	49								10	< 0.02
11CHF-outfall	10/02/2019 12:50	10/02/2019 15:25	Rain	Composite	50								17	< 0.02
11CHF-outfall	10/08/2019 08:00	10/08/2019 08:00	Base	Grab	54	15.3	1184.0	9.10	7.5	0.73	1452	> 100	254	~ 0.04
11CHF-outfall	10/21/2019 06:20	10/21/2019 12:40	Rain	Composite	40								24	~ 0.06
11CHF-outfall	11/15/2019 08:45	11/15/2019 08:45	Base	Grab	35	11.5	1243.0	9.52	6.9	0.85	1676	> 100	344	< 0.02
11CHF-outfall	11/26/2019 09:10	11/26/2019 09:10	Base	Grab	35	10.9	969.0	9.87	6.9	0.67	1327	> 100	262	~ 0.02
11CHF-outfall	12/03/2019 09:00	12/03/2019 09:00	Base	Grab	25	9.7	1745.0	9.41	6.6	1.28	2469	> 100	292	0.06
11CHF-outfall	12/17/2019 09:05	12/17/2019 09:05	Base	Grab	25	9.1	816.0	10.08	7.7	0.59	1173	> 100	294	~ 0.05
11CHF-outfall	12/29/2019 02:40	12/29/2019 06:15	Rain	Composite	32								14	0.08

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/ 100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11CHF-outfall	10/01/2019 14:25	10/01/2019 17:05	3.3	39	2.0	0.06	0.05	0.14		< 8	0.75	< 0.20	< 0.06
11CHF-outfall	10/02/2019 12:50	10/02/2019 15:25		25	4.8	0.05		0.11		~ 15	0.57	< 0.20	< 0.06
11CHF-outfall	10/08/2019 08:00	10/08/2019 08:00	6.9	26	212.0	0.09	0.04	0.12		499	0.80	2.90	< 0.06
11CHF-outfall	10/21/2019 06:20	10/21/2019 12:40	> 8.4	51	4.9	0.18	0.18	0.32		~ 16	0.75	0.22	< 0.06
11CHF-outfall	11/15/2019 08:45	11/15/2019 08:45	0.9	~ 13	358.0	~ 0.04	0.02	0.06		560	0.54	3.31	< 0.06
11CHF-outfall	11/26/2019 09:10	11/26/2019 09:10	1.9	17	220.9	~ 0.03	0.03	0.09	40	347	0.59	2.64	< 0.06
11CHF-outfall	12/03/2019 09:00	12/03/2019 09:00	0.7	18	737.0	~ 0.03	0.02	~ 0.04		452	0.50	2.63	< 0.06
11CHF-outfall	12/17/2019 09:05	12/17/2019 09:05	0.6	~ 9	172.7	~ 0.03	0.02	0.07	5	362	0.30	2.31	< 0.06
11CHF-outfall	12/29/2019 02:40	12/29/2019 06:15		78	43.8	0.07		0.29		< 45	2.10	< 0.20	< 0.06

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological Oxygen Demand 5-day (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
11CHF-outfall	10/01/2019 14:25	10/01/2019 17:05	0.8	5.1							19	4.2	42	16
11CHF-outfall	10/02/2019 12:50	10/02/2019 15:25	2.3								52	3.8	23	10
11CHF-outfall	10/08/2019 08:00	10/08/2019 08:00	94.4	7.8	~ 0.00008	~ 0.00035	0.0016	< 0.00026	0.0051	0.0419	805	3.6	13	12
11CHF-outfall	10/21/2019 06:20	10/21/2019 12:40	3.6	> 8.6							59	13.3	50	14
11CHF-outfall	11/15/2019 08:45	11/15/2019 08:45	94.6	0.5	~ 0.00007	~ 0.00029	0.0107	~ 0.00046	0.0043	0.0161	987	1.9	~ 1	~ 1
11CHF-outfall	11/26/2019 09:10	11/26/2019 09:10	93.9	1.7							763	2.8	4	4
11CHF-outfall	12/03/2019 09:00	12/03/2019 09:00	41.5	0.6	~ 0.00007	~ 0.00039	0.0019	< 0.00026	0.0030	0.0125	1210	1.3	4	~ 2
11CHF-outfall	12/17/2019 09:05	12/17/2019 09:05	58.7	0.3							702	1.8	5	~ 1
11CHF-outfall	12/29/2019 02:40	12/29/2019 06:15	3.0		~ 0.00008	0.0041	0.0125	0.00520	0.0037	0.0910	99	4.6	82	36

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)
10SA	01/09/2019 10:15	01/09/2019 10:15	Base	Grab	9	3.1	922	10.12	8.0	0.79	1583	64	137	0.35
10SA	01/23/2019 10:05	01/23/2019 10:05	Base	Grab	20	2.4	1236	12.94	7.9	1.10	2173	> 100	301	0.06
10SA	02/13/2019 10:20	02/13/2019 10:20	Base	Grab	9	1.5	2734	11.67	7.7	2.61	4952	69	298	2.24
10SA	03/22/2019 17:10	03/23/2019 18:50	Melt	Composite	36								54	0.28
10SA	03/27/2019 09:15	03/27/2019 09:15	Base	Grab	45	5.2	548	11.99	7.2	0.43	881	59	90	0.21
10SA	04/06/2019 01:35	04/06/2019 11:15	Rain	Composite	56								46	0.38
10SA	04/09/2019 09:40	04/09/2019 09:40	Base	Grab	48	6.9	769	10.85	7.2	0.50	1175	74	143	0.10
10SA	04/17/2019 09:00	04/17/2019 17:45	Rain	Composite	50								58	0.32
10SA	04/23/2019 10:20	04/23/2019 10:20	Base	Grab	48	9.2	658	10.82	7.6	0.47	943	46	199	0.08
10SA	05/08/2019 11:30	05/08/2019 19:05	Rain	Composite	40								33	0.14
10SA	05/10/2019 09:15	05/10/2019 09:15	Base	Grab	52	9.6	622	10.60	6.9	0.44	882	93	203	~ 0.04
10SA	05/19/2019 01:27	05/19/2019 22:29	Rain	Composite	55									~ 0.05
10SA	05/21/2019 19:15	05/22/2019 09:00	Rain	Composite	50								55	~ 0.04
10SA	05/27/2019 06:30	05/27/2019 14:40	Rain	Composite	45								40	~ 0.05
10SA	05/31/2019 09:00	05/31/2019 09:00	Base	Grab	75	14.7	987	9.10	7.2	0.62	1229	> 100	313	~ 0.05
10SA	06/04/2019 15:35	06/05/2019 02:20	Rain	Composite	75								71	0.11
10SA	06/14/2019 09:20	06/14/2019 09:20	Base	Grab	75	15.6	1152	5.51	7.2	0.71	1403	69	341	0.24
10SA	06/23/2019 02:35	06/23/2019 11:40	Rain	Composite	60								88	0.30
10SA	06/23/2019 21:20	06/24/2019 01:55	Rain	Composite	60								31	0.11
10SA	06/26/2019 08:00	06/26/2019 08:00	Base	Grab	75	17.8	641	6.07	7.9	0.36	743	48	163	0.09
10SA	06/30/2019 12:10	07/01/2019 06:25	Rain	Composite	80								49	0.06
10SA	07/09/2019 14:30	07/09/2019 17:25	Rain	Composite	70								59	~ 0.03
10SA	07/15/2019 09:15	07/15/2019 09:15	Base	Grab	80	19.7	901	5.83	7.3	0.50	1002	> 100	270	0.92
10SA	07/15/2019 17:05	07/15/2019 18:20	Rain	Composite	80								24	0.13
10SA	07/23/2019 09:20	07/23/2019 09:20	Base	Grab	75	19.7	617	5.80	7.3	0.34	687	> 100	183	0.17
10SA	08/03/2019 17:30	08/04/2019 12:05	Rain	Composite									59	0.18
10SA	08/05/2019 12:45	08/05/2019 16:40	Rain	Composite	70									0.08
10SA	08/07/2019 08:30	08/07/2019 08:30	Base	Grab	70	21.5	401.4	5.00	6.9	0.21	429.8	69	113	0.20
10SA	08/13/2019 16:05	08/13/2019 17:05	Rain	Composite	70								15	0.10
10SA	08/19/2019 08:30	08/19/2019 08:30	Base	Grab	65	19.7	379.8	7.92	7.2	0.20	422.3	54	130	< 0.02

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5- day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)
10SA	01/09/2019 10:15	01/09/2019 10:15	3.6	44	431.5	0.11	0.09	0.17		152	1.50	0.58	< 0.03	8.94
10SA	01/23/2019 10:05	01/23/2019 10:05	2.6	24	538.0	0.08	0.05	0.11	24	317	0.90	1.14	< 0.03	58.50
10SA	02/13/2019 10:20	02/13/2019 10:20	2.5	62	1401.6	0.11	0.06	0.16		345	3.80	1.08	0.04	17.10
10SA	03/22/2019 17:10	03/23/2019 18:50	6.1	39	96.8	0.23	0.19	0.34		48	1.60	0.39	0.03	6.06
10SA	03/27/2019 09:15	03/27/2019 09:15	2.9	42	179.0	0.19	0.13	0.23	1203	109	1.10	0.77	0.04	11.60
10SA	04/06/2019 01:35	04/06/2019 11:15	6.0	85	98.9	~ 0.04	0.04	0.25		39	2.00	0.63	< 0.06	7.76
10SA	04/09/2019 09:40	04/09/2019 09:40	2.5	29	247.6	0.05	0.03	0.12		193	1.10	1.32	< 0.06	18.50
10SA	04/17/2019 09:00	04/17/2019 17:45	5.1	101	64.6	~ 0.05	0.05	0.26		51	1.60	0.65	< 0.06	5.79
10SA	04/23/2019 10:20	04/23/2019 10:20	3.3	28	137.1	< 0.02	~ 0.01	0.09	727	262	1.00	2.15	< 0.06	23.30
10SA	05/08/2019 11:30	05/08/2019 19:05		87	49.2	0.10	0.09	0.34		42	2.20	4.59	< 0.06	5.84
10SA	05/10/2019 09:15	05/10/2019 09:15	2.8	30	125.6	0.05	0.04	0.13		192	0.81	1.80	< 0.06	23.10
10SA	05/19/2019 01:27	05/19/2019 22:29			42.1	< 0.02	0.02	0.09			0.57	0.31	< 0.06	
10SA	05/21/2019 19:15	05/22/2019 09:00		43	31.9	~ 0.02	0.01	0.14		39	0.92	0.32	< 0.06	5.80
10SA	05/27/2019 06:30	05/27/2019 14:40	4.5	40	17.0	~ 0.04	0.01	0.14		29	0.76	0.28	< 0.06	3.80
10SA	05/31/2019 09:00	05/31/2019 09:00	1.9	23	142.1	~ 0.02	0.03	0.09	7400	381	0.76	3.42	< 0.06	39.30
10SA	06/04/2019 15:35	06/05/2019 02:20		90	40.8	~ 0.05	0.01	0.28		86	1.90	0.59	0.09	8.10
10SA	06/14/2019 09:20	06/14/2019 09:20	2.9	37	205.2	0.08	0.06	0.25		313	1.30	0.32	0.38	38.80
10SA	06/23/2019 02:35	06/23/2019 11:40		92	54.8	0.11	0.06	0.38		93	2.20	0.36	0.11	8.90
10SA	06/23/2019 21:20	06/24/2019 01:55		37	18.8	0.06	0.05	0.20		~ 24	0.82	0.25	< 0.06	2.86
10SA	06/26/2019 08:00	06/26/2019 08:00	5.0	22	101.7	0.07	0.05	0.23	326	186	1.30	0.73	< 0.06	17.50
10SA	06/30/2019 12:10	07/01/2019 06:25	6.8	83	32.2	~ 0.05	0.04	0.35		52	2.10	0.33	< 0.06	6.83
10SA	07/09/2019 14:30	07/09/2019 17:25		89	50.3	~ 0.04		0.39		71	2.20	0.48	0.13	6.49
10SA	07/15/2019 09:15	07/15/2019 09:15	2.5	28	140.6	0.12	0.08	0.29		295	1.80	< 0.20	0.06	19.70
10SA	07/15/2019 17:05	07/15/2019 18:20	6.4	102	8.2	~ 0.03	0.04	0.56		56	2.50	0.27	< 0.06	3.38
10SA	07/23/2019 09:20	07/23/2019 09:20	2.3	29	77.6	0.11	0.06	0.18	33	190	0.86	0.83	< 0.06	14.80
10SA	08/03/2019 17:30	08/04/2019 12:05	6.0	63	23.2	0.08	0.05	0.31		59	2.00	0.43	0.07	4.68
10SA	08/05/2019 12:45	08/05/2019 16:40			23.5	0.05		0.20			1.40	0.42	0.07	
10SA	08/07/2019 08:30	08/07/2019 08:30	2.9	39	47.9	0.14	0.10	0.21		118	1.00	0.31	< 0.06	7.04
10SA	08/13/2019 16:05	08/13/2019 17:05	4.4	98	4.2	~ 0.04	0.04	0.33		~ 18	1.30	0.30	< 0.06	3.47
10SA	08/19/2019 08:30	08/19/2019 08:30	2.4	19	38.2	0.11	0.08	0.15	1414	113	0.73	1.02	< 0.06	10.80

Station	Sample Start	Sample End	Total Biological Oxygen Demand 5-day (mg/L)		Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)		Volatile Suspended Solids (mg/L)
10SA	01/09/2019 10:15	01/09/2019 10:15	4.8	<	0.00020	0.00055	0.0064	<	0.00100	0.0018	0.0148	828	6.8	3	~ 2
10SA	01/23/2019 10:05	01/23/2019 10:05	2.1								1150	4.0	~ 2	~	2
10SA	02/13/2019 10:20	02/13/2019 10:20	3.0	<	0.00020	0.00120	0.0038	~	0.00016	0.0037	0.0087	2850	3.5	4	4
10SA	03/22/2019 17:10	03/23/2019 18:50	7.7								291	9.9	13		7
10SA	03/27/2019 09:15	03/27/2019 09:15	4.1								454	6.2	8		4
10SA	04/06/2019 01:35	04/06/2019 11:15	6.7								245	8.6	102		31
10SA	04/09/2019 09:40	04/09/2019 09:40	3.0	<	0.00006	0.00160	0.0038	~	0.00098	0.0019	0.0094	633	5.5	6	3
10SA	04/17/2019 09:00	04/17/2019 17:45	6.3	~	0.00011	0.00650	0.0148		0.00690	0.0045	0.0648	202	5.7	110	31
10SA	04/23/2019 10:20	04/23/2019 10:20	3.6								513	5.9	10		5
10SA	05/08/2019 11:30	05/08/2019 19:05		~	0.00014	0.00700	0.0155		0.00580	0.0047	0.0619	165	10.8	121	30
10SA	05/10/2019 09:15	05/10/2019 09:15	2.6	<	0.00006	0.00072	0.0113		0.00110	0.0015	0.0061	481	5.3	4	3
10SA	05/19/2019 01:27	05/19/2019 22:29									156		15		5
10SA	05/21/2019 19:15	05/22/2019 09:00									130	5.6	53		15
10SA	05/27/2019 06:30	05/27/2019 14:40	5.7								100	4.7	57		14
10SA	05/31/2019 09:00	05/31/2019 09:00	1.9								639	5.8	3	~	2
10SA	06/04/2019 15:35	06/05/2019 02:20	> 8.6								204	12.5	81		26
10SA	06/14/2019 09:20	06/14/2019 09:20	3.4	~	0.00007	~ 0.00040	0.0065	<	0.00026	0.0017	0.0065	730	6.3	~ 5	~ 4
10SA	06/23/2019 02:35	06/23/2019 11:40									231	11.8	89		38
10SA	06/23/2019 21:20	06/24/2019 01:55									91	7.8	63		18
10SA	06/26/2019 08:00	06/26/2019 08:00	5.9								380	7.4	11		7
10SA	06/30/2019 12:10	07/01/2019 06:25	> 8.4	~	0.00011	0.00520	0.0136		0.00610	0.0043	0.0520	132	7.4	99	24
10SA	07/09/2019 14:30	07/09/2019 17:25									175	13.8	134		43
10SA	07/15/2019 09:15	07/15/2019 09:15	2.7	~	0.00034	~ 0.00027	0.0028	<	0.00026	0.0013	0.0055	546	7.7	5	3
10SA	07/15/2019 17:05	07/15/2019 18:20	7.6	~	0.00024	0.01130	0.0224		0.01390	0.0078	0.0979	56	5.3	337	58
10SA	07/23/2019 09:20	07/23/2019 09:20	2.4								363	6.9	3	~	2
10SA	08/03/2019 17:30	08/04/2019 12:05	7.7	<	0.00006	0.00310	0.0086		0.00320	0.0026	0.0378	141	10.4	60	19
10SA	08/05/2019 12:45	08/05/2019 16:40											38		14
10SA	08/07/2019 08:30	08/07/2019 08:30	4.1	<	0.00006	~ 0.00043	0.0044	~	0.00028	0.001	0.0070	241	9.9	4	4
10SA	08/13/2019 16:05	08/13/2019 17:05	6.6								44	4.3	244		46
10SA	08/19/2019 08:30	08/19/2019 08:30	2.5								221	4.7	5		3

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)
10SA	09/06/2019 08:40	09/06/2019 08:40	Base	Grab	65	18.7	538	6.94	7.1	0.30	611	> 100	163	< 0.02
10SA	09/12/2019 03:30	09/12/2019 07:05	Rain	Composite	65								35	< 0.02
10SA	09/17/2019 08:35	09/17/2019 08:35	Base	Grab	70	19.3	750	7.15	7.2	0.41	843	> 100	276	~ 0.05
10SA	09/29/2019 03:25	09/29/2019 09:55	Rain	Composite	75								68	~ 0.02
10SA	10/01/2019 14:20	10/01/2019 19:00	Rain	Composite	50								30	< 0.02
10SA	10/02/2019 14:35	10/03/2019 06:50	Rain	Composite	50								58	< 0.02
10SA	10/05/2019 04:00	10/05/2019 09:55	Rain	Composite	60								37	~ 0.03
10SA	10/08/2019 08:55	10/08/2019 08:55	Base	Grab	57	14.6	545	9.02	7.3	0.33	680	> 100	211	~ 0.02
10SA	10/24/2019 08:45	10/24/2019 08:45	Base	Grab	34	10.3	562	14.07	7.9	0.38	780	76	200	< 0.02
10SA	11/15/2019 10:00	11/15/2019 10:00	Base	Grab	35	8.7	1213	10.00	6.8	0.90	1760	> 100	377	0.25
10SA	11/21/2019 01:45	11/21/2019 14:00	Rain	Composite	30								58	0.22
10SA	11/26/2019 10:30	11/26/2019 10:30	Base	Grab	35	7.2	550	9.42	6.8	0.41	834	89	203	~ 0.05
10SA	12/03/2019 10:15	12/03/2019 10:15	Base	Grab	25	5.9	4981	10.03	6.5	4.33	7849	27	209	0.47
10SA	12/17/2019 10:30	12/17/2019 10:31	Base	Grab	21	7.2	1568	10.84	7.2	1.22	2376	62	307	0.09
10SA	12/28/2019 12:50	12/29/2019 02:30	Rain	Composite	32								44	0.19

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5- day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)
10SA	09/06/2019 08:40	09/06/2019 08:40	1.9	16	70.7	0.16	0.11	0.18		191	3.60	0.83	< 0.06	13.90
10SA	09/12/2019 03:30	09/12/2019 07:05		249	7.6	~ 0.03		0.20		33	0.84	< 0.20	< 0.06	2.73
10SA	09/17/2019 08:35	09/17/2019 08:35	1.7	15	103.8	0.09	0.08	0.14	192	273	0.55	2.25	< 0.06	22.80
10SA	09/29/2019 03:25	09/29/2019 09:55		31	27.2	0.06		0.18		45	0.82	0.48	< 0.06	5.06
10SA	10/01/2019 14:20	10/01/2019 19:00	3.0	45	9.6	0.06	0.04	0.18		34	0.77	< 0.20	< 0.06	2.28
10SA	10/02/2019 14:35	10/03/2019 06:50		20	17.9	0.09		0.10		58	0.45	0.20	< 0.06	4.51
10SA	10/05/2019 04:00	10/05/2019 09:55		23	8.7	0.10		0.17		26	0.45	0.21	< 0.06	2.17
10SA	10/08/2019 08:55	10/08/2019 08:55	2.1	~ 14	78.8	0.07	0.05	0.08		239	0.54	1.42	< 0.06	18.30
10SA	10/24/2019 08:45	10/24/2019 08:45	2.9	17	68.7	0.07	0.04	0.11	1414	215	0.55	0.89	< 0.06	17.30
10SA	11/15/2019 10:00	11/15/2019 10:00	1.9	29	415.2	0.08	0.05	0.26		500	1.20	0.58	< 0.06	32.30
10SA	11/21/2019 01:45	11/21/2019 14:00	10.0	49	32.0	0.12		0.22		62	1.10	0.34	< 0.06	5.22
10SA	11/26/2019 10:30	11/26/2019 10:30	2.0	42	137.3	0.06	0.03	0.11	461	234	0.66	0.60	< 0.06	21.60
10SA	12/03/2019 10:15	12/03/2019 10:15	2.9	53	2598.6	0.07	0.03	0.14		340	1.30	0.66	< 0.06	28.00
10SA	12/17/2019 10:30	12/17/2019 10:31	1.1	~ 11	694.6	0.14	0.10	0.14	17	360	0.37	0.76	< 0.06	29.30
10SA	12/28/2019 12:50	12/29/2019 02:30		91	442.5	0.06		0.27		55	2.00	0.88	0.06	7.08

Station	Sample Start	Sample End	Total Biological Oxygen Demand 5-day (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
10SA	09/06/2019 08:40	09/06/2019 08:40	2.1	< 0.00006	0.00071	0.0101	< 0.00026	0.0011	0.0051	340	5.1	~ 3	~ 3
10SA	09/12/2019 03:30	09/12/2019 07:05								65	6.6	121	22
10SA	09/17/2019 08:35	09/17/2019 08:35	1.4							491	5.2	~ 2	~ 1
10SA	09/29/2019 03:25	09/29/2019 09:55								143	7.9	24	11
10SA	10/01/2019 14:20	10/01/2019 19:00	5.4							72	4.5	89	25
10SA	10/02/2019 14:35	10/03/2019 06:50								133	4.2	22	6
10SA	10/05/2019 04:00	10/05/2019 09:55								70	3.0	47	11
10SA	10/08/2019 08:55	10/08/2019 08:55	1.6	< 0.00006	0.00075	0.0026	< 0.00026	0.0012	~ 0.0032	382	4.8	~ 1	~ 1
10SA	10/24/2019 08:45	10/24/2019 08:45	2.7							359	6.6	3	~ 2
10SA	11/15/2019 10:00	11/15/2019 10:00	2.2	< 0.00006	~ 0.00022	0.0018	< 0.00026	0.0018	~ 0.0043	1030	4.6	3	~ 1
10SA	11/21/2019 01:45	11/21/2019 14:00	11.0							142	8.9	27	13
10SA	11/26/2019 10:30	11/26/2019 10:30	2.5							477	5.3	3	3
10SA	12/03/2019 10:15	12/03/2019 10:15	3.3	~ 0.00007	0.00150	0.0032	~ 0.00037	0.0014	0.0154	4240	2.1	6	4
10SA	12/17/2019 10:30	12/17/2019 10:31	0.8							1330	1.3	5	~ 2
10SA	12/28/2019 12:50	12/29/2019 02:30		~ 0.00013	0.00600	0.0147	0.00660	0.0042	0.0770	836	3.7	109	32

Station	Sample Start	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Carbonaceous Biological Oxygen Demand 5-day (mg/L)
4PP-outfall	01/09/2019 11:25	Base	Grab	10	7.5	933	10.07	8.3	0.70	1399	67	298	0.15	1.6
4PP-outfall	01/23/2019 11:10	Base	Grab	17	7.7	985	11.01	8.3	0.74	1470	86	296	~ 0.03	1.1
4PP-outfall	02/13/2019 11:55	Base	Grab	12	7.2	1216	11.06	8.2	0.94	1841	> 100	296	0.09	0.9
4PP-outfall	02/27/2019 12:40	Base	Grab	8	7.0	1074	11.12	8.2	0.83	1634	> 100	309	~ 0.03	1.2
4PP-outfall	03/18/2019 11:50	Base	Grab	35	6.7	1289	11.20	7.8	1.01	1984	18	219	0.46	7.5
4PP-outfall	06/26/2019 09:00	Base	Grab	70	13.4	1239	9.78	7.4	0.81	1591	94	287	0.15	1.0
4PP-outfall	07/23/2019 10:00	Base	Grab	75	14.9	1310	9.68	7.1	0.82	1622	37	296	0.13	0.8
4PP-outfall	08/07/2019 09:25	Base	Grab	70	15.6	1268	9.34	6.8	0.78	1546	> 100	279	0.11	1.2
4PP-outfall	09/06/2019 10:05	Base	Grab	65	14.0	1267	9.89	7.1	0.81	1604	80	301	0.08	0.7
4PP-outfall	11/26/2019 12:00	Base	Grab	35	9.3	1001	10.80	6.8	0.72	1428	> 100	292	0.08	0.4
4PP-outfall	12/03/2019 11:30	Base	Grab	25	9.2	1620	10.52	7.0	1.20	2318	> 100	303	0.12	0.3
4PP-outfall	12/17/2019 12:00	Base	Grab	22	8.8	1107	11.10	7.3	0.82	1624	> 100	315	0.09	0.7

Station	Sample Start	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Biological Oxygen Demand 5-day (mg/L)	Total Cadmium (mg/L)
4PP-outfall	01/09/2019 11:25	15	202.6	< 0.02	0.02	0.09		506	0.76	2.10	< 0.03	84.1	1.9	< 0.00020
4PP-outfall	01/23/2019 11:10	~ 12	251.8	~ 0.03	0.01	0.05	127	378	0.63	1.93	< 0.03	58.2	0.7	
4PP-outfall	02/13/2019 11:55	83	346.8	< 0.02	0.01	~ 0.04		445	0.34	1.73	< 0.03	85.6	0.6	< 0.00020
4PP-outfall	02/27/2019 12:40	< 5	298.1	< 0.02	0.01	~ 0.04	5	468	0.34	1.70	< 0.03	87.0	0.8	
4PP-outfall	03/18/2019 11:50	45	449.0	0.07	0.04	0.18		374	1.50	1.23	0.06	66.2	> 8.6	< 0.00020
4PP-outfall	06/26/2019 09:00	29	247.4	~ 0.04	0.02	0.08	23	451	0.52	2.00	< 0.06	76.8	0.7	
4PP-outfall	07/23/2019 10:00	16	259.2	0.06	0.01	0.09	326	369	0.46	2.42	< 0.06	79.8	0.6	
4PP-outfall	08/07/2019 09:25	~ 11	252.2	~ 0.05	0.02	0.07		364	0.46	2.00	< 0.06	78.0	1.1	< 0.00006
4PP-outfall	09/06/2019 10:05	~ 10	258.3	0.05	0.01	0.07		457	0.49	3.13	< 0.06	78.2	0.5	< 0.00006
4PP-outfall	11/26/2019 12:00	21	261.3	~ 0.03	0.02	~ 0.04	2	527	0.36	2.21	< 0.06	79.7	0.2	
4PP-outfall	12/03/2019 11:30	18	619.1	~ 0.03	0.02	< 0.02		524	0.42	2.78	< 0.06	80.1	0.4	< 0.00006
4PP-outfall	12/17/2019 12:00	~ 6	360.2	< 0.02	0.02	~ 0.05	2	520	0.44	2.26	< 0.06	81.4	0.3	

Station	Sample Start	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
4PP-outfall	01/09/2019 11:25	0.00140	0.00350	0.00360	0.0030	0.0198	800	3.1	21	9
4PP-outfall	01/23/2019 11:10						823	1.5	12	5
4PP-outfall	02/13/2019 11:55	0.00026	0.00091	~ 0.00036	0.0023	0.0047	1010	1.5	3	< 1
4PP-outfall	02/27/2019 12:40						895	1.1	~ 2	~ 1
4PP-outfall	03/18/2019 11:50	0.00250	0.00940	0.00290	0.0038	0.0483	1230	8.1	28	9
4PP-outfall	06/26/2019 09:00						825	2.3	3	~ 2
4PP-outfall	07/23/2019 10:00						870	2.0	15	~ 2
4PP-outfall	08/07/2019 09:25	0.00041	0.00150	~ 0.00031	0.0021	~ 0.0041	822	1.8	3	~ 2
4PP-outfall	09/06/2019 10:05	0.00150	0.00260	0.00210	0.0027	0.0069	880	1.6	15	~ 3
4PP-outfall	11/26/2019 12:00						823	1.4	~ 2	~ 1
4PP-outfall	12/03/2019 11:30	0.00032	0.00094	< 0.00026	0.0019	0.0055	1260	< 1.0	< 1	< 1
4PP-outfall	12/17/2019 12:00						936	1.1	3	~ 1

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)
6UMN-outfall	01/09/2019 10:45	01/09/2019 10:45	Base	Grab	9	6.6	753	10.42	8.4	0.58	1163	> 100	331	~ 0.04
6UMN-outfall	01/23/2019 10:35	01/23/2019 10:35	Base	Grab	17	6.5	825	11.53	8.4	0.64	1274	> 100	321	~ 0.04
6UMN-outfall	02/13/2019 11:20	02/13/2019 11:20	Base	Grab	11	6.3	1336	11.73	8.3	1.06	2080	> 100	317	0.07
6UMN-outfall	02/27/2019 12:00	02/27/2019 12:00	Base	Grab	8	6.1	978	11.81	8.4	0.77	1531	> 100	342	~ 0.06
6UMN-outfall	03/14/2019 11:10	03/14/2019 11:10	Melt	Grab	40	3.2	1130	12.63	8.0	0.98	1938	10	37	0.86
6UMN-outfall	03/14/2019 14:00	03/14/2019 22:10	Melt	Composite	30							10	36	0.64
6UMN-outfall	03/18/2019 10:50	03/18/2019 10:50	Base	Grab	33	6.2	2295	11.55	7.6	1.88	3579	4	230	0.29
6UMN-outfall	08/07/2019 08:55	08/07/2019 08:55	Base	Grab	70	14.4	1076	9.71	6.8	0.68	1349	> 100	297	~ 0.02
6UMN-outfall	08/19/2019 10:05	08/19/2019 10:05	Base	Grab	65	15.0	1122	9.79	7.0	0.70	1387	30	348	~ 0.02
6UMN-outfall	09/06/2019 09:30	09/06/2019 09:30	Base	Grab	65	13.9	1126	9.95	7.0	0.72	1429	> 100	327	< 0.02
6UMN-outfall	11/21/2019 01:50	11/21/2019 07:30	Rain	Composite	30								65	0.40
6UMN-outfall	12/03/2019 10:55	12/03/2019 10:55	Base	Grab	25	8.7	1295	10.90	7.3	0.96	1879	> 100	329	0.10

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5- day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
6UMN-outfall	01/09/2019 10:45	01/09/2019 10:45	0.8	< 5	152.5	< 0.02	0.01	~ 0.03		458	0.26	1.05	< 0.03
6UMN-outfall	01/23/2019 10:35	01/23/2019 10:35	1.0	~ 13	195.6	~ 0.03	0.01	~ 0.04	< 1	389	0.26	1.12	< 0.03
6UMN-outfall	02/13/2019 11:20	02/13/2019 11:20	0.6	~ 8	456.3	~ 0.02	0.01	~ 0.05		472	0.22	1.05	< 0.03
6UMN-outfall	02/27/2019 12:00	02/27/2019 12:00	0.9	~ 6	243.5	< 0.02	0.01	~ 0.02	8	471	0.21	1.01	< 0.03
6UMN-outfall	03/14/2019 11:10	03/14/2019 11:10	14.0	68	534.4	0.17	0.17	0.27		48	2.50	0.55	0.07
6UMN-outfall	03/14/2019 14:00	03/14/2019 22:10	15.0	72	498.3	0.19	0.16	0.30		68	2.30	0.44	0.08
6UMN-outfall	03/18/2019 10:50	03/18/2019 10:50	6.6	84	978.4	0.09	0.06	0.38		364	1.60	0.96	0.12
6UMN-outfall	08/07/2019 08:55	08/07/2019 08:55	1.4	~ 10	179.8	~ 0.02	~ 0.01	~ 0.04		516	0.28	1.12	< 0.06
6UMN-outfall	08/19/2019 10:05	08/19/2019 10:05	0.8	~ 12	180.0	0.73	0.57	0.76	365	101	0.42	1.55	< 0.06
6UMN-outfall	09/06/2019 09:30	09/06/2019 09:30	3.8	~ 11	203.9	< 0.02	0.02	~ 0.04		530	0.44	1.19	< 0.06
6UMN-outfall	11/21/2019 01:50	11/21/2019 07:30	22.0	80	45.8	0.18		0.35		82	1.50	0.53	< 0.06
6UMN-outfall	12/03/2019 10:55	12/03/2019 10:55	0.2	15	461.8	0.13	0.10	0.14		561	0.44	1.35	< 0.06

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological Oxygen Demand 5-day (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
6UMN-outfall	01/09/2019 10:45	01/09/2019 10:45	52.5	0.6	< 0.00020	~ 0.00013	0.00088	< 0.00100	0.0056	0.0038	674	1.8	~ 1	~ 1
6UMN-outfall	01/23/2019 10:35	01/23/2019 10:35	23.4	0.4							719	1.7	~ 2	~ 1
6UMN-outfall	02/13/2019 11:20	02/13/2019 11:20	54.4	0.4	< 0.00020	~ 0.00015	0.00099	~ 0.00020	0.0057	0.0051	1180	1.5	~ 2	~ 1
6UMN-outfall	02/27/2019 12:00	02/27/2019 12:00	55.8	0.7							813	1.2	~ 1	< 1
6UMN-outfall	03/14/2019 11:10	03/14/2019 11:10	10.0	14.0	< 0.00020	0.00510	0.01140	0.00600	0.0033	0.0831	1040	8.5	49	16
6UMN-outfall	03/14/2019 14:00	03/14/2019 22:10	9.0	16.0	< 0.00020	0.00560	0.01360	0.00840	0.0036	0.0861	796	8.0	54	19
6UMN-outfall	03/18/2019 10:50	03/18/2019 10:50	46.6	7.0	~ 0.00033	0.00610	0.01870	0.03410	0.0106	0.0703	2020	5.1	114	28
6UMN-outfall	08/07/2019 08:55	08/07/2019 08:55	67.0	1.2	~ 0.00010	~ 0.00025	0.00120	~ 0.00040	0.0044	0.0066	697	2.0	3	~ 1
6UMN-outfall	08/19/2019 10:05	08/19/2019 10:05	63.2	0.4							735	2.0	11	3
6UMN-outfall	09/06/2019 09:30	09/06/2019 09:30	61.2	3.7	< 0.00006	0.00071	0.00220	~ 0.00093	0.0060	0.0169	781	3.8	~ 1	< 1
6UMN-outfall	11/21/2019 01:50	11/21/2019 07:30	10.5	23.0							189	17.8	63	28
6UMN-outfall	12/03/2019 10:55	12/03/2019 10:55	54.5	0.4	~ 0.00007	~ 0.00017	0.00170	< 0.00026	0.0059	0.0056	1030	1.3	< 1	< 1