

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	01/08/2018 09:50		292.0	0.4							908	5.8	15	~ 6
1NE-outfall	01/30/2018 09:30		124.0	< 0.2	< 0.0004	0.0004	~ 0.0012	< 0.0002	0.0024	< 0.0100	614	3.8	3	~ 2
1NE-outfall	02/13/2018 09:40		77.0	< 0.2							431	4.1	4	~ 1
1NE-outfall	02/22/2018 09:45		348.5	0.5							1040	6.2	19	~ 5
1NE-outfall	03/08/2018 09:10		67.8	< 0.2	< 0.0002	0.0008	0.0022	0.0006	0.0018	0.0113	632	3.9	3	~ 1
1NE-outfall	03/26/2018 17:45	03/27/2018 06:45	28.7	15.0							380	11.1	283	96
1NE-outfall	03/27/2018 16:45	03/27/2018 20:10	50.4	7.3							349	10.4	27	11
1NE-outfall	04/02/2018 09:05		83.0	0.2	< 0.0002	0.0005	0.0021	~ 0.0003	0.0035	0.0073	542	4.5	2	2
1NE-outfall	04/12/2018 09:15													
1NE-outfall	04/19/2018 14:50	04/19/2018 19:05	32.8	5.2							480	5.5	90	28
1NE-outfall	05/04/2018 10:25		107.0	0.8	< 0.0002	0.0006	0.0020	~ 0.0001	0.0021	0.0084	617	6.5	~ 1	~ 1
1NE-outfall	05/09/2018 00:50	05/09/2018 06:40	39.4	> 26.0							292	26.2	272	88
1NE-outfall	05/10/2018 09:20													
1NE-outfall	05/14/2018 17:30	05/14/2018 21:45	138.0								682	20.7	120	50
1NE-outfall	05/16/2018 09:30		137.0	1.2							738	4.8	~ 1	~ 1
1NE-outfall	05/24/2018 09:20													
1NE-outfall	06/12/2018 09:20		166.0	1.5							754	6.5	~ 1	~ 1
1NE-outfall	06/14/2018 08:40													
1NE-outfall	06/16/2018 08:30	06/16/2018 11:50	97.1								174	11.3	153	56
1NE-outfall	06/17/2018 22:55	06/18/2018 03:10	18.8	12.0							128	6.2	136	40
1NE-outfall	06/26/2018 02:55	06/26/2018 04:35	5.0	> 8.8	~ 0.0002	0.0068	0.0218	0.0168	0.0052	0.1160	73	11.3	236	62
1NE-outfall	06/27/2018 09:20		87.1	2.2	< 0.0002	0.0004	0.0024	0.0005	0.0020	0.0119	481	7.3	~ 2	~ 2
1NE-outfall	06/28/2018 09:30													
1NE-outfall	06/29/2018 09:36													
1NE-outfall	07/01/2018 10:00	07/01/2018 13:15	6.1	6.3							71	6.9	66	20
1NE-outfall	07/10/2018 09:40		154.0	1.2							760	4.6	~ 2	~ 2
1NE-outfall	07/12/2018 11:25													
1NE-outfall	07/12/2018 18:05	07/12/2018 19:50	6.3	> 8.2							70	6.7	172	43
1NE-outfall	07/24/2018 09:55		118.5	1.0	< 0.0002	0.0003	0.0017	~ 0.0001	0.0022	0.0038	603	6.0	~ 1	~ 1
1NE-outfall	07/25/2018 15:15	07/25/2018 16:45	10.1								98	14.7	206	56

2018 Stormwater Sample Data - 1NE-outfall continued

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	07/26/2018 09:15		E Coli	Grab	65	16.7	800.0	9.03	7.9	0.47	951.0	> 100		
1NE-outfall	08/03/2018 21:00	08/04/2018 00:10	Rain	Composite	70								36	0.16
1NE-outfall	08/09/2018 11:55		E Coli	Grab	82	17.5	1126.0	9.25	7.9	0.66	1315.0	> 100		
1NE-outfall	08/10/2018 09:30		Base	Grab	75	16.1	1057.0	9.49	7.6	0.64	1271.0	> 100	332	0.09
1NE-outfall	08/23/2018 10:25		E Coli	Grab	72	16.5	1020.0	8.24	8.0	0.61	1217.0	> 100		
1NE-outfall	08/24/2018 10:10	08/24/2018 11:35	Rain	Composite	78								24	0.12
1NE-outfall	08/30/2018 09:10		Base	Grab	60	15.8	1051.0	9.37	7.5	0.64	1276.0	> 100	328	0.22
1NE-outfall	09/10/2018 09:35		Base	Grab	61	16.9	1005.0	9.16	7.3	0.59	1189.0	> 100	299	0.17
1NE-outfall	09/12/2018 09:00		E Coli	Grab	70	17.9	1147.0	9.12	7.4	0.67	1327.0	> 100		
1NE-outfall	09/24/2018 22:20	09/24/2018 22:45	Rain	Composite	53									0.30
1NE-outfall	09/26/2018 09:20		E Coli	Grab	47	14.8	828.0	9.25	7.8	0.51	1028.0	> 100		
1NE-outfall	09/27/2018 10:00		Base	Grab	55	15.0	1083.0	9.51	7.2	0.67	1338.0	> 100	344	0.65
1NE-outfall	10/08/2018 21:30	10/09/2018 02:00	Rain	Composite	50								67	0.17
1NE-outfall	10/09/2018 19:45	10/10/2018 01:50	Rain	Composite	45								30	0.08
1NE-outfall	10/10/2018 09:30		E Coli	Grab	45	11.2	730.0	10.04	7.5	0.49	992.0	14		
1NE-outfall	10/12/2018 09:35		Base	Grab									235	0.79
1NE-outfall	10/23/2018 09:40		Base	Grab	36	11.3	973.0	10.14	7.7	0.66	1318.0	78	347	0.50
1NE-outfall	10/24/2018 09:25		E Coli	Grab	34	11.7	1032.0	10.11	7.1	0.70	1382.0	61		
1NE-outfall	11/07/2018 09:30		Base	Grab										
1NE-outfall	11/14/2018 09:20		Base	Grab	21	9.8	878.0	10.88	7.0	0.62	1237.0	77	322	0.30
1NE-outfall	12/04/2018 09:30		Base	Grab	23	6.8	925.0	11.35	7.3	0.71	1421.0	40	355	1.14
1NE-outfall	12/17/2018 09:30		Base	Grab	25	8.3	887.0	12.93	7.8	0.65	1302.0	> 100	368	0.22

Station	Sample Start	Sample End	Carbonaceous					E. coli (MPN/ 100 mL)	Hardness (mg/L CaCO3)	Total		Nitrate-		
			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)	Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrite (mg/L)
1NE-outfall	07/26/2018 09:15							1080						
1NE-outfall	08/03/2018 21:00	08/04/2018 00:10		91	14.5	0.05			53	1.10				
1NE-outfall	08/09/2018 11:55							100						
1NE-outfall	08/10/2018 09:30		1.1	~ 15	121.8	< 0.02	0.01	~ 0.02	500	0.57	1.58	1.65	0.08	
1NE-outfall	08/23/2018 10:25							1240						
1NE-outfall	08/24/2018 10:10	08/24/2018 11:35		99	4.8	0.10		0.47	26	2.00				
1NE-outfall	08/30/2018 09:10		1.2	20	109.3	< 0.02	~ 0.01	~ 0.03	446	0.86	1.54	1.66	0.12	
1NE-outfall	09/10/2018 09:35		1.2	~ 14	99.6	~ 0.05	~ 0.01	~ 0.04	481	0.81	1.88	2.03	0.15	
1NE-outfall	09/12/2018 09:00							35						
1NE-outfall	09/24/2018 22:20	09/24/2018 22:45			22.0	~ 0.04	0.03	0.39	55	2.60	0.59	0.64	0.06	
1NE-outfall	09/26/2018 09:20							565						
1NE-outfall	09/27/2018 10:00		1.1	16	127.3	< 0.02	< 0.01	~ 0.02	522	1.40	1.82	1.95	0.14	
1NE-outfall	10/08/2018 21:30	10/09/2018 02:00		47	19.8	~ 0.04	0.03	0.20	111	0.93	0.35	0.39	0.04	
1NE-outfall	10/09/2018 19:45	10/10/2018 01:50		44	5.6	0.05	0.04	0.21	~ 36	0.97	0.19	0.19	< 0.03	
1NE-outfall	10/10/2018 09:30							560						
1NE-outfall	10/12/2018 09:35		0.9	24	81.9	< 0.02	0.01	0.11	341	1.50	1.32	1.41	0.09	
1NE-outfall	10/23/2018 09:40		0.7	18	116.5	~ 0.02	0.01	~ 0.04	571	1.10	2.89	3.00	0.11	
1NE-outfall	10/24/2018 09:25							< 1						
1NE-outfall	11/07/2018 09:30													
1NE-outfall	11/14/2018 09:20		1.0	~ 13	118.7	< 0.02	< 0.01	< 0.02	1120	605	0.80	1.86	1.89	0.04
1NE-outfall	12/04/2018 09:30		0.7	22	87.5	< 0.02	< 0.01	~ 0.04		659	2.10	2.15	2.22	0.07
1NE-outfall	12/17/2018 09:30		1.5	~ 13	128.2	< 0.02	~ 0.01	< 0.02	88	538	0.66	1.46	1.49	0.03

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	07/26/2018 09:15													
1NE-outfall	08/03/2018 21:00	08/04/2018 00:10	21.7								121	5.7	176	41
1NE-outfall	08/09/2018 11:55													
1NE-outfall	08/10/2018 09:30		168.5	0.9	< 0.0002	0.0002	0.0013	< 0.0001	0.0028	0.0046	792	4.6	~ 1	~ 1
1NE-outfall	08/23/2018 10:25													
1NE-outfall	08/24/2018 10:10	08/24/2018 11:35	7.8		~ 0.0004	0.0106	0.0279	0.0259	0.0075	0.1640	61	5.3	235	50
1NE-outfall	08/30/2018 09:10		175.0	1.0							816	5.4	~ 1	~ 1
1NE-outfall	09/10/2018 09:35		171.0	1.0	< 0.0002	0.0005	0.0018	~ 0.0004	0.0024	< 0.0050	743	5.0	~ 2	~ 2
1NE-outfall	09/12/2018 09:00													
1NE-outfall	09/24/2018 22:20	09/24/2018 22:45	12.0											
1NE-outfall	09/26/2018 09:20													
1NE-outfall	09/27/2018 10:00		216.0	0.5							864	7.5	~ 1	~ 1
1NE-outfall	10/08/2018 21:30	10/09/2018 02:00	34.3								191	8.2	35	~ 12
1NE-outfall	10/09/2018 19:45	10/10/2018 01:50	10.8								83	5.6	64	22
1NE-outfall	10/10/2018 09:30													
1NE-outfall	10/12/2018 09:35		146.0	0.9	< 0.0002	0.0010	0.0080	0.0044	0.0025	0.0253	596	8.1	25	~ 7
1NE-outfall	10/23/2018 09:40		198.0	1.0							842	5.7	3	~ 1
1NE-outfall	10/24/2018 09:25													
1NE-outfall	11/07/2018 09:30													
1NE-outfall	11/14/2018 09:20		167.0	0.7	< 0.0002	0.0002	0.0011	~ 0.0002	0.0031	< 0.0050	829	4.6	~ 1	~ 1
1NE-outfall	12/04/2018 09:30		284.0	1.0	< 0.0002	0.0001	0.0008	~ 0.0001	0.0024	< 0.0100	991	5.3	8	~ 2
1NE-outfall	12/17/2018 09:30		164.0	1.5							830	3.5	~ 1	~ 1

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air	Water	Dissolved			Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	
					Temperature (°F)	Temperature (°C)	Conductivity (µS/cm)	Oxygen (mg/L)	pH	Salinity (ppt)				Conductivity (µS/cm)
11CHF-outfall	01/08/2018 09:00		Base	Grab	30	6.7	687.0	10.00	6.4	0.52	1057.0	> 100	329	< 0.02
11CHF-outfall	01/26/2018 13:25	01/26/2018 13:45	Melt	Composite	5								59	0.92
11CHF-outfall	01/30/2018 09:00		Base	Grab	6	4.0	929.0	12.00	7.2	0.78	1550.0	45	197	0.34
11CHF-outfall	02/13/2018 09:10		Base	Grab	15	3.6	1698.0	12.71	7.1	1.48	2873.0	55	227	0.43
11CHF-outfall	02/22/2018 09:05		Base	Grab	16	4.4	2599.0	10.81	7.2	2.27	4290.0	77	199	0.35
11CHF-outfall	03/14/2018 15:10	03/14/2018 17:10	Melt	Composite	30									0.40
11CHF-outfall	03/26/2018 17:20	03/26/2018 21:50	Rain	Composite	34								43	0.44
11CHF-outfall	04/12/2018 08:50		E Coli	Grab	40	4.7	1046.0	14.24	7.8	0.86	1707.0	41		
11CHF-outfall	04/17/2018 14:05	04/17/2018 17:05	Melt	Composite	40								25	0.19
11CHF-outfall	04/19/2018 15:30	04/19/2018 18:20	Melt	Composite	32								27	0.07
11CHF-outfall	04/20/2018 14:15	04/20/2018 17:05	Melt	Composite	60								31	0.12
11CHF-outfall	04/26/2018 08:05		E Coli	Grab	45	9.1	708.0	10.46		0.51	1017.0	51		
11CHF-outfall	05/04/2018 09:05		Base	Grab	65	14.5	823.0	10.11	7.1	0.51	1030.0	66	152	0.14
11CHF-outfall	05/09/2018 00:20	05/09/2018 02:35	Rain	Composite	53								23	0.48
11CHF-outfall	05/10/2018 09:00		E Coli	Grab	50	11.2	619.0	10.90		0.41	840.0	45		
11CHF-outfall	05/16/2018 09:00		Base	Grab	69	17.2	815.0	9.17	6.8	0.47	985.0	28	87	0.12
11CHF-outfall	05/24/2018 08:45		E Coli	Grab	76	13.2	1050.0	9.49	7.1	0.68	1355.0	79		
11CHF-outfall	05/25/2018 03:00	05/25/2018 05:00	Rain	Composite	80								21	0.21
11CHF-outfall	06/06/2018 05:50	06/06/2018 07:45	Rain	Composite	64								36	0.71
11CHF-outfall	06/12/2018 08:40		Base	Grab	72	13.1	601.0	9.08	7.1	0.38	777.0	74	243	0.09
11CHF-outfall	06/14/2018 08:20		E Coli	Grab	70	14.9	949.0	9.80	7.8	0.59	1176.0	> 100		
11CHF-outfall	06/16/2018 08:35	06/16/2018 12:15	Rain	Composite	67								24	0.28
11CHF-outfall	06/17/2018 17:25	06/17/2018 18:30	Rain	Composite	67								20	0.16
11CHF-outfall	06/17/2018 22:55	06/17/2018 23:35	Rain	Composite	67								18	0.14
11CHF-outfall	06/26/2018 02:40	06/26/2018 04:35	Rain	Composite	65								10	0.28
11CHF-outfall	06/27/2018 08:55		Base	Grab	67	20.0	327.1	8.30	7.4	0.17	358.4	43	44	0.30
11CHF-outfall	06/28/2018 10:10		E Coli	Grab	78	16.7	1119.0	8.68	7.4	0.67	1331.0	> 100		
11CHF-outfall	07/01/2018 09:40	07/01/2018 12:20	Rain	Composite	72								14	< 0.02
11CHF-outfall	07/04/2018 09:55	07/04/2018 10:35	Rain	Composite	75								21	0.30
11CHF-outfall	07/10/2018 09:10		Base	Grab		16.9	1014.0	8.96	7.1	0.60	1199.0	> 100	309	< 0.02
11CHF-outfall	07/12/2018 12:05		E Coli	Grab	83	16.6	1023.0	9.14	7.8	0.61	1218.0	> 100		

Station	Sample Start	Sample End	Carbonaceous					Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen		Nitrate-Nitrite	
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)						Nitrate (mg/L)	Nitrite (mg/L)		
11CHF-outfall	01/08/2018 09:00		0.8	25	95.5	~ 0.04	0.03	0.07			406	0.36	1.70		< 0.03	
11CHF-outfall	01/26/2018 13:25	01/26/2018 13:45		320	2250.8	0.12		0.98			111	6.40	0.24		0.17	
11CHF-outfall	01/30/2018 09:00		3.3	25	936.4	0.12	0.04	0.14	7500	238	1.20	0.98		0.04		
11CHF-outfall	02/13/2018 09:10		1.8	37	746.8	~ 0.04	0.03	0.14		313	1.00	1.10		0.05		
11CHF-outfall	02/22/2018 09:05		3.1	168	1270.3	0.07	0.05	0.14	517	291	1.20	0.94		0.05		
11CHF-outfall	03/14/2018 15:10	03/14/2018 17:10			172.9	0.24	0.21	0.50			2.90	0.22		0.04		
11CHF-outfall	03/26/2018 17:20	03/26/2018 21:50	19.0	170	180.8	0.15	0.12	0.43		73	2.50	0.59		0.04		
11CHF-outfall	04/12/2018 08:50								2220							
11CHF-outfall	04/17/2018 14:05	04/17/2018 17:05	18.0	146	510.1	0.08	0.06	0.49		63	2.40	0.20		0.04		
11CHF-outfall	04/19/2018 15:30	04/19/2018 18:20			242.0	0.06	0.03	0.15			1.10	0.23		< 0.03		
11CHF-outfall	04/20/2018 14:15	04/20/2018 17:05		34	138.8	~ 0.05		0.14		25	1.10	0.20		< 0.03		
11CHF-outfall	04/26/2018 08:05								50							
11CHF-outfall	05/04/2018 09:05		2.3	20	181.6	~ 0.03	0.02	0.09		207	1.00	0.88		< 0.03		
11CHF-outfall	05/09/2018 00:20	05/09/2018 02:35	> 26.0	219	39.4	0.34	0.26	0.86		65	3.90	0.36		0.04		
11CHF-outfall	05/10/2018 09:00								580							
11CHF-outfall	05/16/2018 09:00		6.3	50	219.3	0.06	0.02	0.23		96	2.40	< 0.05		< 0.03		
11CHF-outfall	05/24/2018 08:45								170							
11CHF-outfall	05/25/2018 03:00	05/25/2018 05:00	23.0	344	15.7	0.15	0.13	1.26		~ 22	5.30	0.40		0.03		
11CHF-outfall	06/06/2018 05:50	06/06/2018 07:45		123	15.5	0.15		0.44		~ 11	3.40	0.69		0.06		
11CHF-outfall	06/12/2018 08:40		1.8	32	74.8	0.16	0.04	0.13		272	0.68	0.75		0.03		
11CHF-outfall	06/14/2018 08:20								50							
11CHF-outfall	06/16/2018 08:35	06/16/2018 12:15		92	13.8	0.11		0.37		27	2.50	0.15		0.04		
11CHF-outfall	06/17/2018 17:25	06/17/2018 18:30	19.0	195	9.3	0.05	0.01	0.66		~ 23	4.10	0.32		0.03		
11CHF-outfall	06/17/2018 22:55	06/17/2018 23:35	13.0	94	15.5	0.05	0.03	0.31		~ 17	1.90	0.27		0.03		
11CHF-outfall	06/26/2018 02:40	06/26/2018 04:35	8.1	101	6.0	0.16	0.12	0.71		~ 24	2.50	0.50		0.03		
11CHF-outfall	06/27/2018 08:55		6.1	42	74.0	0.06	0.04	0.27		44	1.90	0.25		0.05		
11CHF-outfall	06/28/2018 10:10								210							
11CHF-outfall	07/01/2018 09:40	07/01/2018 12:20	4.3	55	4.9	0.08	0.05	0.26		< 8	1.20	0.20	0.20	< 0.03		
11CHF-outfall	07/04/2018 09:55	07/04/2018 10:35		112	8.7	0.06		0.43		~ 17	2.80	0.48	0.56	0.08		
11CHF-outfall	07/10/2018 09:10		0.9	21	162.6	~ 0.04	0.02	0.07		383	0.42	2.50	2.50	< 0.03		
11CHF-outfall	07/12/2018 12:05								> 24200							

2018 Stormwater Sample Data - 11CHF-outfall

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	01/08/2018 09:00		64.3	0.5							645	2.0	12	~ 2
11CHF-outfall	01/26/2018 13:25	01/26/2018 13:45	31.0								3690	8.5	537	177
11CHF-outfall	01/30/2018 09:00		44.4	3.6	< 0.0004	0.0015	0.0052	~ 0.0010	0.0039	0.0315	1560	3.5	5	3
11CHF-outfall	02/13/2018 09:10		48.1	1.6							1480	3.0	5	3
11CHF-outfall	02/22/2018 09:05		42.5	3.0							2310	2.2	3	~ 2
11CHF-outfall	03/14/2018 15:10	03/14/2018 17:10										14.8	118	33
11CHF-outfall	03/26/2018 17:20	03/26/2018 21:50	7.0	22.0							250	11.8	296	126
11CHF-outfall	04/12/2018 08:50													
11CHF-outfall	04/17/2018 14:05	04/17/2018 17:05	9.7	21.0							916	7.1	139	63
11CHF-outfall	04/19/2018 15:30	04/19/2018 18:20		6.7							470	5.8	41	16
11CHF-outfall	04/20/2018 14:15	04/20/2018 17:05	5.5								312	4.6	33	12
11CHF-outfall	04/26/2018 08:05													
11CHF-outfall	05/04/2018 09:05		34.5	3.0	< 0.0002	0.0009	0.0030	0.0007	0.0024	0.0203	523	5.0	6	4
11CHF-outfall	05/09/2018 00:20	05/09/2018 02:35	7.6	> 26.0							134	27.0	433	129
11CHF-outfall	05/10/2018 09:00													
11CHF-outfall	05/16/2018 09:00		10.5	> 8.8							499	9.0	16	11
11CHF-outfall	05/24/2018 08:45													
11CHF-outfall	05/25/2018 03:00	05/25/2018 05:00	4.8	> 26.0							86	13.0	618	187
11CHF-outfall	06/06/2018 05:50	06/06/2018 07:45	4.2								88	18.8	225	71
11CHF-outfall	06/12/2018 08:40		44.1	1.8							436	7.7	7	4
11CHF-outfall	06/14/2018 08:20													
11CHF-outfall	06/16/2018 08:35	06/16/2018 12:15	3.4								80	13.0	86	32
11CHF-outfall	06/17/2018 17:25	06/17/2018 18:30	3.5	> 25.0							69	13.8	354	110
11CHF-outfall	06/17/2018 22:55	06/17/2018 23:35	3.1	14.0							78	11.0	338	61
11CHF-outfall	06/26/2018 02:40	06/26/2018 04:35	1.8	> 8.9	~ 0.0002	0.0080	0.0173	0.0132	0.0057	0.1130	57	11.0	140	38
11CHF-outfall	06/27/2018 08:55		4.0	> 8.6	< 0.0002	0.0008	0.0127	0.0012	0.0013	0.0171	194	8.2	14	8
11CHF-outfall	06/28/2018 10:10													
11CHF-outfall	07/01/2018 09:40	07/01/2018 12:20	1.2	6.1							42	5.0	73	22
11CHF-outfall	07/04/2018 09:55	07/04/2018 10:35	3.5								70	10.3	183	56
11CHF-outfall	07/10/2018 09:10		60.7	0.6							680	3.0	~ 1	~ 1
11CHF-outfall	07/12/2018 12:05													

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	07/12/2018 17:50	07/12/2018 21:05	Rain	Composite	72								21	0.45
11CHF-outfall	07/24/2018 09:05		Base	Grab	71	17.5	959.0	10.49	7.1	0.56	1120.0	> 100	308	~ 0.03
11CHF-outfall	07/26/2018 11:45		E Coli	Grab	64	16.1	736.0	8.34	7.7	0.44	886.0	> 100		
11CHF-outfall	08/03/2018 09:20	08/03/2018 10:00	Rain	Composite	69								25	0.28
11CHF-outfall	08/03/2018 20:55	08/03/2018 21:40	Rain	Composite	69								10	0.31
11CHF-outfall	08/09/2018 12:15		E Coli	Grab	84	17.7	830.0	8.96	8.0	0.48	964.0	> 100		
11CHF-outfall	08/10/2018 09:00		Base	Grab	75	21.7	942.0	8.52	7.4	0.50	1005.0	> 100	312	< 0.02
11CHF-outfall	08/20/2018 18:05	08/20/2018 19:30	Rain	Composite	64								22	0.21
11CHF-outfall	08/23/2018 09:55		E Coli	Grab	70	17.1	864.0	7.83	7.8	0.51	1019.0	> 100		
11CHF-outfall	08/24/2018 10:10	08/24/2018 11:10	Rain	Composite	75								12	0.16
11CHF-outfall	08/30/2018 08:35		Base	Grab	60	18.3	809.0	8.49	7.2	0.46	928.0	> 100	278	~ 0.02
11CHF-outfall	09/10/2018 09:00		Base	Grab	58	16.2	1205.0	9.15	7.1	0.73	1447.0	> 100	343	~ 0.02
11CHF-outfall	09/12/2018 08:35		E Coli	Grab	70	17.5	976.0	8.69	7.3	0.57	1139.0	> 100		
11CHF-outfall	09/17/2018 15:20	09/18/2018 02:55	Rain	Composite	59								33	0.14
11CHF-outfall	09/20/2018 06:50	09/20/2018 12:25	Rain	Composite	52								22	0.06
11CHF-outfall	09/26/2018 08:55		E Coli	Grab	45	15.4	214.5	9.12	8.5	0.13	262.7	81		
11CHF-outfall	09/27/2018 09:30		Base	Grab	56	15.0	953.0	10.16	7.3	0.59	1177.0	> 100	310	~ 0.05
11CHF-outfall	10/23/2018 08:55		Base	Grab	30	12.5	945.0	9.81	7.3	0.62	1240.0	> 100	340	~ 0.03
11CHF-outfall	10/24/2018 08:50		E Coli	Grab	31	12.5	811.0	9.31	7.8	0.53	1065.0	> 100		
11CHF-outfall	11/06/2018 02:15	11/06/2018 04:05	Rain	Composite	40								17	~ 0.06
11CHF-outfall	11/07/2018 08:55		E Coli	Grab	29	9.2	572.0	12.00	7.6	0.40	819.0	41		
11CHF-outfall	11/26/2018 09:00		Base	Grab	15	7.2	297.4	10.95	8.2	0.22	451.1	39	119	~ 0.02
11CHF-outfall	12/04/2018 09:05		Base	Grab	23	6.2	372.8	11.48	8.7	0.28	582.0	60	93	0.18
11CHF-outfall	12/17/2018 09:00		Base	Grab	24	8.6	590.0	11.13	7.4	0.42	860.0	> 100	183	0.08

Station	Sample Start	Sample End	Carbonaceous			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-		
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)							Nitrate (mg/L)	Nitrite (mg/L)	Nitrite (mg/L)
11CHF-outfall	07/12/2018 17:50	07/12/2018 21:05	6.5	77	9.3	0.14	0.10	0.34	< 8	2.10	0.49	0.58	0.09	
11CHF-outfall	07/24/2018 09:05		0.7	~ 9	125.3	~ 0.04	0.04	0.07	348	0.39	2.55	2.55	< 0.03	
11CHF-outfall	07/26/2018 11:45								1180					
11CHF-outfall	08/03/2018 09:20	08/03/2018 10:00		213	5.7	0.13		0.67	30	3.30				
11CHF-outfall	08/03/2018 20:55	08/03/2018 21:40		56	< 2.0	0.09		0.32	~ 17	1.70				
11CHF-outfall	08/09/2018 12:15								4110					
11CHF-outfall	08/10/2018 09:00		1.0	~ 11	99.8	~ 0.03	0.02	0.06	366	0.45	2.48	2.48	< 0.03	
11CHF-outfall	08/20/2018 18:05	08/20/2018 19:30	20.0	161	9.2	0.19	0.15	0.91	26	3.70	0.43	0.54	0.11	
11CHF-outfall	08/23/2018 09:55								910					
11CHF-outfall	08/24/2018 10:10	08/24/2018 11:10		85	< 2.0	0.10		0.34	< 8	1.80				
11CHF-outfall	08/30/2018 08:35		1.3	18	97.4	~ 0.02	0.02	0.06	331	2.60	2.34	2.34	< 0.03	
11CHF-outfall	09/10/2018 09:00		1.0	~ 6	148.0	< 0.02	0.01	~ 0.04	506	0.44	2.69	2.69	< 0.03	
11CHF-outfall	09/12/2018 08:35								2995					
11CHF-outfall	09/17/2018 15:20	09/18/2018 02:55	> 9.0	77	16.7	0.11	0.08	0.32	32	2.10	0.39	0.49	0.09	
11CHF-outfall	09/20/2018 06:50	09/20/2018 12:25	7.2	47	8.0	0.05	0.03	0.13	~ 17	1.00	0.16	0.19	0.03	
11CHF-outfall	09/26/2018 08:55								2910					
11CHF-outfall	09/27/2018 09:30		1.3	~ 10	157.6	~ 0.02	0.01	~ 0.04	519	0.43	2.57	2.57	< 0.03	
11CHF-outfall	10/23/2018 08:55		0.9	~ 10	148.7	~ 0.04	0.03	~ 0.03	132	0.30	3.08	3.08	< 0.03	
11CHF-outfall	10/24/2018 08:50								304					
11CHF-outfall	11/06/2018 02:15	11/06/2018 04:05		72	3.5	0.17	0.11	0.21	~ 18	0.73	0.15	0.15	< 0.03	
11CHF-outfall	11/07/2018 08:55								9210					
11CHF-outfall	11/26/2018 09:00		8.1	44	68.7	0.16	0.12	0.24	126	0.84	0.45	0.45	< 0.03	
11CHF-outfall	12/04/2018 09:05		3.7	30	115.2	0.14	0.14	0.19	104	0.89	0.40	0.40	< 0.03	
11CHF-outfall	12/17/2018 09:00		2.4	17	126.3	~ 0.04	0.03	0.09	194	253	0.54	1.08	1.13	0.04

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	07/12/2018 17:50	07/12/2018 21:05	3.0	> 8.5							53	9.2	49	13
11CHF-outfall	07/24/2018 09:05		50.9	0.4	< 0.0002	0.0003	0.0013	~ 0.0001	0.0016	0.0096	620	3.5	~ 1	~ 1
11CHF-outfall	07/26/2018 11:45													
11CHF-outfall	08/03/2018 09:20	08/03/2018 10:00	2.6								76	12.4	224	74
11CHF-outfall	08/03/2018 20:55	08/03/2018 21:40	1.4								42	4.6	102	29
11CHF-outfall	08/09/2018 12:15													
11CHF-outfall	08/10/2018 09:00		50.6	0.7	< 0.0002	0.0005	0.0020	~ 0.0002	0.0019	0.0083	566	3.1	~ 1	~ 1
11CHF-outfall	08/20/2018 18:05	08/20/2018 19:30	4.4	> 25.0							89	21.8	166	66
11CHF-outfall	08/23/2018 09:55													
11CHF-outfall	08/24/2018 10:10	08/24/2018 11:10	2.1		< 0.0002	0.0039	0.0143	0.0131	0.0038	0.0984	34	5.6	139	34
11CHF-outfall	08/30/2018 08:35		47.5	1.1							549	3.7	3	~ 1
11CHF-outfall	09/10/2018 09:00		133.0	0.5	< 0.0002	< 0.0005	0.0014	~ 0.0002	0.0037	0.0101	790	3.0	~ 1	~ 2
11CHF-outfall	09/12/2018 08:35													
11CHF-outfall	09/17/2018 15:20	09/18/2018 02:55	3.8	> 8.7							90	15.0	37	20
11CHF-outfall	09/20/2018 06:50	09/20/2018 12:25	2.5	> 9.0							50	8.7	30	18
11CHF-outfall	09/26/2018 08:55													
11CHF-outfall	09/27/2018 09:30		96.5	0.8							746	3.3	< 1	~ 1
11CHF-outfall	10/23/2018 08:55		91.8	0.5							730	4.4	~ 1	~ 1
11CHF-outfall	10/24/2018 08:50													
11CHF-outfall	11/06/2018 02:15	11/06/2018 04:05	1.7		< 0.0002	0.0009	0.0042	0.0016	0.0013	0.0410	51	19.5	22	14
11CHF-outfall	11/07/2018 08:55													
11CHF-outfall	11/26/2018 09:00		13.5	8.1							269	12.4	7	7
11CHF-outfall	12/04/2018 09:05		16.7	3.9	< 0.0002	0.0004	0.0023	0.0006	0.0010	0.0178	334	7.8	~ 4	~ 4
11CHF-outfall	12/17/2018 09:00		32.5	2.2							489	5.1	3	~ 2

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	01/18/2018 13:21	01/18/2018 17:02	Melt	Composite	32									0.65
10SA	01/19/2018 14:43	01/21/2018 18:00	Melt	Composite	28								247	2.03
10SA	01/23/2018 00:25	01/23/2018 20:55	Melt	Composite	21								235	1.54
10SA	01/26/2018 13:55	01/26/2018 18:55	Melt	Composite	5								101	0.90
10SA	01/30/2018 10:05		Base	Grab	8	1.4	1675.0	13.37	7.7	1.56	3050.0	62	150	1.98
10SA	02/22/2018 10:35		Base	Grab	16	1.9	5672.0	12.63	7.6	5.62	10158.0	> 100	215	2.00
10SA	02/27/2018 12:00	02/27/2018 19:05	Melt	Composite	25								94	1.76
10SA	02/28/2018 12:35	03/01/2018 03:12	Melt	Grab	30								94	1.59
10SA	03/08/2018 09:50		Base	Grab	20	1.4	3431.0	12.26	7.1	3.33	6237.0	11	61	1.24
10SA	03/12/2018 13:40	03/12/2018 20:05	Melt	Composite	25								66	0.60
10SA	03/13/2018 14:05	03/13/2018 18:15	Melt	Composite	30								63	0.57
10SA	03/14/2018 13:25	03/14/2018 21:15	Melt	Composite	30								50	0.50
10SA	03/15/2018 13:30	03/16/2018 04:30	Melt	Composite	26								58	0.56
10SA	03/17/2018 07:05	03/17/2018 22:46	Melt	Composite	32								50	0.48
10SA	03/19/2018 16:20	03/20/2018 01:05	Melt	Composite	27									
10SA	03/26/2018 17:25	03/27/2018 03:15	Rain	Composite	34								45	0.45
10SA	04/02/2018 09:50		Base	Grab	32	2.4	1239.0	12.41	7.0	1.10	2177.0	45	138	0.34
10SA	04/12/2018 09:50		E Coli	Grab	40	4.5	1004.0	12.68	7.3	0.83	1652.0	31		
10SA	04/17/2018 12:15	04/17/2018 22:25	Melt	Composite	40								60	0.21
10SA	04/19/2018 12:08	04/19/2018 22:43	Melt	Composite	36								71	0.10
10SA	04/20/2018 12:18	04/21/2018 01:54	Melt	Composite	60								84	0.14
10SA	04/21/2018 11:00	04/21/2018 17:37	Melt	Composite	60								100	0.13
10SA	04/26/2018 08:29		E Coli	Grab	45	7.8	803.0	10.15		0.60	1195.0	71		
10SA	05/04/2018 09:45		Base	Grab	65	11.0	1423.0	8.93	7.3	0.99	1942.0	25	261	< 0.02
10SA	05/08/2018 22:53	05/09/2018 00:23	Rain	Composite	57								127	0.30
10SA	05/10/2018 10:00		E Coli	Grab	50	12.0	1159.0	7.52		0.78	1543.0	91		
10SA	05/14/2018 16:16	05/14/2018 20:44	Rain	Composite	60								145	0.46
10SA	05/16/2018 10:05		Base	Grab	75	13.0	1109.0	7.43	7.3	0.73	1439.0	78	169	0.13
10SA	05/24/2018 09:55		E Coli	Grab	79	15.1	1432.0	7.10	7.6	0.90	1764.0	> 100		
10SA	05/24/2018 20:05	05/25/2018 04:30	Rain	Composite	80								36	0.12
10SA	05/29/2018 13:55	05/29/2018 19:55	Rain	Composite									46	0.49

Station	Sample Start	Sample End	Carbonaceous			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-	
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)							Nitrate (mg/L)	Nitrite (mg/L)
10SA	01/18/2018 13:21	01/18/2018 17:02			2360.5	< 0.02		0.05			2.30	0.48	0.36
10SA	01/19/2018 14:43	01/21/2018 18:00			9721.4	~ 0.04	~ 0.01	0.13		324	4.70	0.36	0.26
10SA	01/23/2018 00:25	01/23/2018 20:55		70	1990.2	~ 0.03		0.27		244	3.90	0.08	0.17
10SA	01/26/2018 13:55	01/26/2018 18:55		184	2104.7	0.09		0.74		112	4.70	0.27	0.13
10SA	01/30/2018 10:05		3.8	43	1377.8	0.09	0.09	0.19	816	212	3.50	0.16	0.04
10SA	02/22/2018 10:35		2.5	76	4053.6	0.05	0.03	0.07	16	196	3.60	0.61	0.05
10SA	02/27/2018 12:00	02/27/2018 19:05		162	2047.4	0.15	0.11	0.45		127	4.70	0.38	0.07
10SA	02/28/2018 12:35	03/01/2018 03:12	> 9.1	115	1529.6	0.15	0.14	0.39	1986	97	4.70	0.37	0.07
10SA	03/08/2018 09:50		3.5	73	1902.5	0.12	0.09	0.22		149	2.60	0.45	0.04
10SA	03/12/2018 13:40	03/12/2018 20:05		70	813.6	0.16		0.27		121	2.10	0.40	0.06
10SA	03/13/2018 14:05	03/13/2018 18:15		54	25.0	0.26	0.14	0.23			2.00	0.44	0.06
10SA	03/14/2018 13:25	03/14/2018 21:15	6.7	73	381.9	0.21	0.18	0.33		74	2.30	0.35	0.04
10SA	03/15/2018 13:30	03/16/2018 04:30	7.4	62	344.1	0.22	0.18	0.32		98	2.20	0.44	0.04
10SA	03/17/2018 07:05	03/17/2018 22:46		49	230.8	0.20		0.34		77	2.10	0.36	0.04
10SA	03/19/2018 16:20	03/20/2018 01:05				0.27	0.27	0.40			2.30	0.41	0.04
10SA	03/26/2018 17:25	03/27/2018 03:15	7.5	176	187.7	0.13	0.10	0.43		65	2.70	0.60	0.04
10SA	04/02/2018 09:50		2.5	30	552.8	0.07	0.06	0.13	1300	207	1.40	1.19	0.04
10SA	04/12/2018 09:50								1620				
10SA	04/17/2018 12:15	04/17/2018 22:25	3.6	76	544.3	~ 0.03	0.03	0.20		106	1.40	0.55	0.04
10SA	04/19/2018 12:08	04/19/2018 22:43	1.7	37	311.2	~ 0.05	0.04	0.12		108	1.00	0.59	< 0.03
10SA	04/20/2018 12:18	04/21/2018 01:54		25	171.1	0.08		0.13		84	0.97	0.71	< 0.03
10SA	04/21/2018 11:00	04/21/2018 17:37		24	106.9	0.09		0.14		79	0.85	0.76	< 0.03
10SA	04/26/2018 08:29								10				
10SA	05/04/2018 09:45		3.8	39	414.6	~ 0.03	~ 0.01	0.13		355	1.80	0.86	< 0.03
10SA	05/08/2018 22:53	05/09/2018 00:23	20.0	130	182.9	0.10	0.08	0.40		186	2.90	0.66	0.05
10SA	05/10/2018 10:00								840				
10SA	05/14/2018 16:16	05/14/2018 20:44		120	245.9	~ 0.05		0.33		223	3.40	1.07	0.11
10SA	05/16/2018 10:05		3.1	40	335.8	0.04	0.01	0.10	170	210	1.20	0.41	0.04
10SA	05/24/2018 09:55								40				
10SA	05/24/2018 20:05	05/25/2018 04:30	23.0	213	57.6	0.07	0.03	1.07		60	4.20	0.27	0.09
10SA	05/29/2018 13:55	05/29/2018 19:55		91	74.0	0.07		0.32		38	2.50	0.42	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)
10SA	01/18/2018 13:21	01/18/2018 17:02									4590		4	~ 2
10SA	01/19/2018 14:43	01/21/2018 18:00			< 0.0004	0.0016	0.0132	~ 0.0010	0.0097	0.0145	13500		9	~ 6
10SA	01/23/2018 00:25	01/23/2018 20:55	20.3								3700	4.9	7	~ 5
10SA	01/26/2018 13:55	01/26/2018 18:55	20.9								3550	6.7	130	72
10SA	01/30/2018 10:05		16.3	4.1	< 0.0004	0.0010	0.0051	~ 0.0005	0.0052	0.0105	2510	3.7	5	4
10SA	02/22/2018 10:35		30.6	2.7							5570	3.1	~ 2	~ 1
10SA	02/27/2018 12:00	02/27/2018 19:05	20.4		< 0.0004	0.0154	0.0248	0.0070	0.0080	0.1190	3370	5.5	80	37
10SA	02/28/2018 12:35	03/01/2018 03:12	16.9	> 9.1							2580	6.5	52	21
10SA	03/08/2018 09:50		18.4	5.1	< 0.0002	0.0062	0.0100	0.0027	0.0039	0.0537	3250	4.5	24	10
10SA	03/12/2018 13:40	03/12/2018 20:05	15.6								1400	4.7	34	17
10SA	03/13/2018 14:05	03/13/2018 18:15	13.6								996	8.4	25	9
10SA	03/14/2018 13:25	03/14/2018 21:15	9.8	> 8.7							580	7.9	36	16
10SA	03/15/2018 13:30	03/16/2018 04:30	10.5	8.1							624	7.1	25	12
10SA	03/17/2018 07:05	03/17/2018 22:46	9.4								506	8.7	17	8
10SA	03/19/2018 16:20	03/20/2018 01:05											17	9
10SA	03/26/2018 17:25	03/27/2018 03:15	9.6	8.5							444	8.1	180	78
10SA	04/02/2018 09:50		19.5	2.7	< 0.0002	0.0022	0.0051	0.0016	0.0022	0.0199	1080	4.4	7	4
10SA	04/12/2018 09:50													
10SA	04/17/2018 12:15	04/17/2018 22:25	15.3	4.8							1040	5.1	65	27
10SA	04/19/2018 12:08	04/19/2018 22:43	13.4	2.7							656	5.0	28	12
10SA	04/20/2018 12:18	04/21/2018 01:54	11.5								388	5.3	14	5
10SA	04/21/2018 11:00	04/21/2018 17:37	11.1								324	5.4	12	4
10SA	04/26/2018 08:29													
10SA	05/04/2018 09:45		38.3	4.7	< 0.0002	0.0008	0.0036	~ 0.0003	0.0020	0.0092	1050	4.8	12	9
10SA	05/08/2018 22:53	05/09/2018 00:23	20.5	23.0							522	16.3	103	43
10SA	05/10/2018 10:00													
10SA	05/14/2018 16:16	05/14/2018 20:44	23.4								635	14.9	82	39
10SA	05/16/2018 10:05		21.0	3.6							759	7.6	4	~ 2
10SA	05/24/2018 09:55													
10SA	05/24/2018 20:05	05/25/2018 04:30	7.5	> 25.0							189	13.9	480	141
10SA	05/29/2018 13:55	05/29/2018 19:55	6.0								206	9.9	105	31

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	06/12/2018 09:55		Base	Grab	71	16.9	736.0	4.40	7.3	0.43	871.0	70	179	0.39
10SA	06/14/2018 09:05		E Coli	Grab	70	16.6	881.0	5.01	7.7	0.52	1049.0	71		
10SA	06/16/2018 08:10	06/16/2018 14:35	Rain	Composite	68								29	0.38
10SA	06/17/2018 06:50	06/17/2018 07:05	Rain	Composite	68								31	0.31
10SA	06/26/2018 02:30	06/26/2018 08:30	Rain	Composite	65								28	0.08
10SA	06/27/2018 09:50		Base	Grab	69	20.0	445.5	6.09	7.5	0.24	490.2	83	96	0.05
10SA	06/28/2018 08:50		E Coli	Grab	74	19.8	565.0	6.13	7.3	0.31	628.0	70		
10SA	07/01/2018 09:30	07/01/2018 12:30	Rain	Composite	78								24	< 0.02
10SA	07/04/2018 09:55	07/04/2018 11:10	Rain	Composite	75								56	
10SA	07/10/2018 10:10		Base	Grab		18.8	817.0	5.67	7.4	0.46	927.0	> 100	226	0.62
10SA	07/12/2018 11:05		E Coli	Grab	81	19.0	868.0	5.30	7.6	0.49	980.0	92		
10SA	07/12/2018 17:55	07/12/2018 18:55	Rain	Composite	72								15	0.34
10SA	07/24/2018 10:40		Base	Grab	76	21.6	583.0	6.50	7.6	0.30	624.0	95	163	0.31
10SA	07/25/2018 15:20	07/25/2018 17:55	Rain	Composite	65								26	0.08
10SA	07/26/2018 10:15		E Coli	Grab	65	21.5	345.1	4.68	7.8	0.18	369.6	63		
10SA	08/03/2018 21:00	08/04/2018 01:20	Rain	Composite	71								22	0.29
10SA	08/09/2018 11:35		E Coli	Grab	82	21.4	585.0	7.57	8.0	0.31	628.0	> 100		
10SA	08/10/2018 10:05		Base	Grab	80	21.1	611.0	7.78	7.8	0.32	660.0	> 100	201	0.38
10SA	08/23/2018 10:50		E Coli	Grab	74	20.7	858.0	6.07	8.2	0.46	935.0	84		
10SA	08/24/2018 10:30	08/24/2018 12:00	Rain	Composite	80								22	0.17
10SA	08/28/2018 08:35	08/28/2018 12:50	Rain	Composite	55								44	0.08
10SA	08/30/2018 10:35		Base	Grab	65	19.4	299.6	6.28	7.7	0.16	335.6	63	106	0.06
10SA	09/04/2018 14:25	09/04/2018 18:25	Rain	Composite	70									< 0.02
10SA	09/10/2018 10:05		Base	Grab	63	19.1	489.6	5.89	7.4	0.27	552.0	87	180	0.23
10SA	09/12/2018 09:30		E Coli	Grab	70	19.8	587.0	8.08	7.6	0.32	652.0	> 100		
10SA	09/18/2018 03:10	09/18/2018 08:05	Rain	Composite	59								35	0.21
10SA	09/20/2018 06:50	09/20/2018 16:30	Rain	Composite	52								26	~ 0.03
10SA	09/26/2018 09:45		E Coli	Grab	49	16.1	299.3	7.71	8.1	0.17	360.5	> 100		
10SA	09/27/2018 10:30		Base	Grab	55	16.4	417.2	7.14	7.4	0.24	499.7	> 100	149	~ 0.03

Station	Sample Start	Sample End	Carbonaceous			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-		
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)							Nitrate (mg/L)	Nitrite (mg/L)	Nitrite (mg/L)
10SA	06/12/2018 09:55		6.0	43	152.6	~ 0.02	0.02	0.29	770	185	1.90	1.41		0.06
10SA	06/14/2018 09:05								560					
10SA	06/16/2018 08:10	06/16/2018 14:35		42	27.9	0.08		0.19		32	1.30	0.36		0.09
10SA	06/17/2018 06:50	06/17/2018 07:05		110	25.4	0.12		0.36		34	2.10	0.32		0.04
10SA	06/26/2018 02:30	06/26/2018 08:30	7.4	57	25.3	~ 0.04	0.04	0.21		30	1.30	0.35		0.07
10SA	06/27/2018 09:50		3.5	29	78.9	0.04	0.02	0.16		95	0.87	0.38		0.04
10SA	06/28/2018 08:50								710					
10SA	07/01/2018 09:30	07/01/2018 12:30	3.8	33	17.8	0.06	0.03	0.14		~ 21	0.75	0.16	0.23	0.07
10SA	07/04/2018 09:55	07/04/2018 11:10		52	34.8	~ 0.04		0.17		43	1.50	0.56	0.66	0.11
10SA	07/10/2018 10:10		2.5	28	147.9	0.10	0.08	0.21		237	1.55	0.20	0.46	0.30
10SA	07/12/2018 11:05								1180					
10SA	07/12/2018 17:55	07/12/2018 18:55	5.0	86	8.2	0.09	0.05	0.38		~ 13	2.00	0.36	0.42	0.06
10SA	07/24/2018 10:40		1.9	32	86.6	0.09	0.08	0.18		133	1.10	0.51	0.56	0.05
10SA	07/25/2018 15:20	07/25/2018 17:55		51	15.0	~ 0.04	0.03	0.19			1.30	0.26	0.31	0.05
10SA	07/26/2018 10:15								4880					
10SA	08/03/2018 21:00	08/04/2018 01:20		49	10.8	~ 0.05		0.16		29	1.30			
10SA	08/09/2018 11:35								520					
10SA	08/10/2018 10:05		1.3	21	70.6	0.11	0.11	0.20		194	1.00	0.21	0.31	0.10
10SA	08/23/2018 10:50								2910					
10SA	08/24/2018 10:30	08/24/2018 12:00		60	6.2	0.07		0.26		27	1.10			
10SA	08/28/2018 08:35	08/28/2018 12:50		36	17.3	~ 0.03		0.12		33	0.75	0.34	0.38	0.03
10SA	08/30/2018 10:35		2.7	30	33.9	0.07	0.05	0.14	770	91	0.82	0.42	0.42	< 0.03
10SA	09/04/2018 14:25	09/04/2018 18:25			7.1	~ 0.03		0.15			1.00	0.18	0.18	< 0.03
10SA	09/10/2018 10:05		1.9	18	57.2	0.10	0.08	0.16		174	0.99	0.59	0.63	0.04
10SA	09/12/2018 09:30								330					
10SA	09/18/2018 03:10	09/18/2018 08:05	7.2	52	10.9	~ 0.04	0.02	0.21		31	1.30	0.35	0.35	< 0.03
10SA	09/20/2018 06:50	09/20/2018 16:30	3.4	36	8.5	~ 0.03	0.03	0.13		~ 13	0.74	0.21	0.21	< 0.03
10SA	09/26/2018 09:45								1660					
10SA	09/27/2018 10:30		1.9	20	57.2	0.07	0.04	0.10	816	186	0.69	0.94	0.94	< 0.03

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)
10SA	06/12/2018 09:55		13.3	6.9							463	12.3	9	~ 7
10SA	06/14/2018 09:05													
10SA	06/16/2018 08:10	06/16/2018 14:35	4.0								106	7.2	24	9
10SA	06/17/2018 06:50	06/17/2018 07:05	4.3								94	6.7	358	86
10SA	06/26/2018 02:30	06/26/2018 08:30	3.6	> 8.9	< 0.0002	0.0025	0.0088	0.0039	0.0021	0.0371	83	9.0	55	15
10SA	06/27/2018 09:50		8.9	4.3	< 0.0002	0.0004	0.0044	~ 0.0004	0.0013	0.0050	260	6.7	5	5
10SA	06/28/2018 08:50													
10SA	07/01/2018 09:30	07/01/2018 12:30	~ 0.3	5.2							79	7.4	12	4
10SA	07/04/2018 09:55	07/04/2018 11:10										9.3	55	20
10SA	07/10/2018 10:10		18.9	2.7							506	7.1	5	~ 3
10SA	07/12/2018 11:05													
10SA	07/12/2018 17:55	07/12/2018 18:55	3.5	6.1							48	5.3	182	36
10SA	07/24/2018 10:40		11.6	2.2	< 0.0002	0.0003	0.0063	~ 0.0001	0.0009	< 0.0050	335	7.6	3	3
10SA	07/25/2018 15:20	07/25/2018 17:55	3.0								70	8.9	98	29
10SA	07/26/2018 10:15													
10SA	08/03/2018 21:00	08/04/2018 01:20	2.6								57	5.6	62	17
10SA	08/09/2018 11:35													
10SA	08/10/2018 10:05		14.8	1.9	< 0.0002	0.0004	0.0138	~ 0.0001	0.0011	0.0039	360	6.4	~ 2	~ 2
10SA	08/23/2018 10:50													
10SA	08/24/2018 10:30	08/24/2018 12:00	2.1		< 0.0002	0.0046	0.0153	0.0078	0.0026	0.0696	46	4.7	142	28
10SA	08/28/2018 08:35	08/28/2018 12:50	3.9									8.3	29	12
10SA	08/30/2018 10:35		7.0	3.7							184	5.7	6	5
10SA	09/04/2018 14:25	09/04/2018 18:25			< 0.0002	0.0055	0.0092	0.0034	0.0018	0.0336	63		55	15
10SA	09/10/2018 10:05		14.5	2.0	< 0.0002	0.0006	0.0405	0.0008	0.0011	0.0075	311	5.5	7	4
10SA	09/12/2018 09:30													
10SA	09/18/2018 03:10	09/18/2018 08:05	2.7	> 8.6							65	6.4	80	26
10SA	09/20/2018 06:50	09/20/2018 16:30	2.5	5.0							63	5.8	51	15
10SA	09/26/2018 09:45													
10SA	09/27/2018 10:30		14.6	1.8							296	5.2	8	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	10/12/2018 10:20		Base	Grab	33	10.6	434.6	9.92	7.4	0.29	599.0	> 100	187	0.07
10SA	10/23/2018 10:20		Base	Grab	36	12.0	835.0	7.71	7.6	0.56	1111.0	> 100	298	0.07
10SA	10/24/2018 10:05		E Coli	Grab	37	11.8	863.0	8.08	7.3	0.58	1155.0	> 100		
10SA	11/04/2018 11:20	11/04/2018 13:50	Rain	Composite	38									~ 0.03
10SA	11/05/2018 18:35	11/06/2018 08:50	Rain	Composite	40								52	~ 0.05
10SA	11/07/2018 10:25		E Coli	Grab	31	7.7	294.4	9.38	8.3	0.21	439.8	60		
10SA	11/14/2018 10:05		Base	Grab	26	8.0	805.0	9.84	7.3	0.60	1193.0	> 100	239	0.17
10SA	11/26/2018 10:05		Base	Grab	17	5.8	309.6	9.17	7.2	0.24	488.5	64	121	~ 0.04
10SA	12/04/2018 10:15		Base	Grab	22	6.9	4271.0	10.26	6.7	3.57	6534.0	100	245	0.53
10SA	12/17/2018 09:55		Base	Grab	27	6.6	1918.0	12.25	7.9	1.54	2956.0	> 100	268	~ 0.04
10SA	12/27/2018 07:29	12/28/2018 17:29	Rain	Composite	19								48	0.39

Station	Sample Start	Sample End	Carbonaceous			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-		
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)							Nitrate (mg/L)	Nitrite (mg/L)	Nitrite (mg/L)
10SA	10/12/2018 10:20		2.3	21	67.0	0.07	0.05	0.08		184	0.62	1.41	1.41	< 0.03
10SA	10/23/2018 10:20		2.0	21	182.6	0.09	0.05	0.12	2420	300	1.00	1.52	1.57	0.05
10SA	10/24/2018 10:05								3654					
10SA	11/04/2018 11:20	11/04/2018 13:50			36.6	0.26		0.40			1.30	0.13	0.13	< 0.03
10SA	11/05/2018 18:35	11/06/2018 08:50	> 8.9	50	18.3	0.11	0.10	0.17		40	0.58	0.17	0.20	0.03
10SA	11/07/2018 10:25								6490					
10SA	11/14/2018 10:05		1.9	26	249.1	0.07	0.05	0.11		251	0.89	0.73	0.73	< 0.02
10SA	11/26/2018 10:05		5.6	33	88.2	0.08	0.05	0.16	7500	120	0.91	0.30	0.30	< 0.03
10SA	12/04/2018 10:15		1.9	~ 28	3803.8	~ 0.03	0.01	0.08		355	1.20	0.81	0.95	0.14
10SA	12/17/2018 09:55		2.6	27	826.0	0.06	0.04	0.10	119	331	0.78	1.08	1.08	< 0.03
10SA	12/27/2018 07:29	12/28/2018 17:29		94	289.6	0.12		0.29		57	1.60	0.41	0.49	0.08

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)
10SA	10/12/2018 10:20		17.8	2.1	< 0.0002	0.0005	0.0141	~ 0.0002	0.0011	< 0.0050	336	7.3	~ 2	~ 2
10SA	10/23/2018 10:20		27.2	2.0							626	7.0	3	~ 2
10SA	10/24/2018 10:05													
10SA	11/04/2018 11:20	11/04/2018 13:50											11	8
10SA	11/05/2018 18:35	11/06/2018 08:50	4.4	> 8.7	< 0.0002	0.0013	0.0040	0.0010	0.0011	0.0164	113	14.2	9	6
10SA	11/07/2018 10:25													
10SA	11/14/2018 10:05		24.4	1.9	< 0.0002	0.0003	0.0021	~ 0.0002	0.0014	< 0.0050	683	7.7	~ 2	2
10SA	11/26/2018 10:05		13.0	6.3							294	8.7	5	4
10SA	12/04/2018 10:15		26.2	1.3	< 0.0002	0.0003	0.0029	~ 0.0001	0.0020	< 0.0100	3940	2.0	~ 2	~ 2
10SA	12/17/2018 09:55		23.2	2.2							1640	3.2	3	~ 2
10SA	12/27/2018 07:29	12/28/2018 17:29	6.4		< 0.0002	0.0128	0.0217	0.0071	0.0050	0.1340	589	6.3	82	34

Station	Sample Start	Sample Reason	Sample Type	Air	Water	Conductivity (µS/cm)	Dissolved	Salinity (ppt)	Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	Carbonaceous	
				Temperature (°F)	Temperature (°C)		Oxygen (mg/L)		pH			Conductivity (µS/cm)	Nitrogen (mg/L)	Biological Oxygen Demand 5-day (mg/L)
4PP-outfall	01/08/2018 11:40	Base	Grab	30	9.3	1225.0	10.58	8.1	0.89	1749.0	52	276	~ 0.03	1.4
4PP-outfall	01/30/2018 12:15	Base	Grab	8	7.8	857.0	10.93	8.2	0.64	1275.0	27	261	0.05	1.1
4PP-outfall	02/13/2018 12:15	Base	Grab	20	8.5	904.0	11.93	8.4	0.66	1321.0	100	277	0.07	1.1
4PP-outfall	02/22/2018 12:40	Base	Grab	20	8.6	897.0	11.35	8.1	0.66	1305.0	65	263	0.08	1.0
4PP-outfall	03/08/2018 11:25	Base	Grab	25	8.8	993.0	11.01	7.8	0.72	1437.0	71	270	0.24	0.9
4PP-outfall	04/02/2018 11:20	Base	Grab	30	8.7	1121.0	11.28	7.7	0.83	1629.0	> 100	288	0.10	0.9
4PP-outfall	04/12/2018 10:45	E Coli	Grab	40	9.8	1008.0	10.87	7.5	0.72	1419.0	> 100			
4PP-outfall	05/24/2018 11:05	E Coli	Grab	83	17.9	1512.0	9.97	7.8	0.89	1748.0	> 100			
4PP-outfall	08/09/2018 10:50	E Coli	Grab	82	15.8	1240.0	9.53	7.9	0.76	1505.0	> 100			
4PP-outfall	08/10/2018 11:20	Base	Grab	80	15.4	1254.0	9.62	7.9	0.78	1533.0	> 100	289	~ 0.06	1.3
4PP-outfall	08/23/2018 11:05	E Coli	Grab	74	15.2	1156.0	9.75	7.9	0.72	1423.0	> 100			
4PP-outfall	08/30/2018 11:45	Base	Grab	65	14.7	1144.0	9.77	7.8	0.72	1423.0	> 100	286	0.06	1.1
4PP-outfall	09/10/2018 11:00	Base	Grab	66	14.2	1125.0	9.99	7.6	0.72	1418.0	> 100	295	0.09	1.0
4PP-outfall	09/12/2018 10:20	E Coli	Grab	75	15.2	1094.0	9.68	7.7	0.68	1347.0	> 100			
4PP-outfall	09/26/2018 11:15	E Coli	Grab	55	13.3	1107.0	9.97	7.9	0.72	1425.0	> 100			
4PP-outfall	09/27/2018 12:15	Base	Grab	58	13.5	1111.0	10.16	7.6	0.72	1422.0	> 100	293	0.11	1.0
4PP-outfall	10/10/2018 10:30	E Coli	Grab	45	11.6	429.0	9.36	8.3	0.28	577.0	8			
4PP-outfall	10/12/2018 11:40	Base	Grab	36	10.4	1066.0	10.50	7.4	0.75	1478.0	> 100	303	0.09	0.7
4PP-outfall	10/23/2018 11:35	Base	Grab	42	11.1	1051.5	10.52	7.9	0.73	1431.5	58	303	0.15	1.4
4PP-outfall	10/24/2018 10:35	E Coli	Grab	40	11.1	1064.0	10.48	7.5	0.73	1449.0	> 100			
4PP-outfall	11/07/2018 10:55	E Coli	Grab	30	10.0	1003.0	9.63	8.1	0.71	1407.0	10			
4PP-outfall	11/14/2018 10:55	Base	Grab	30	9.6	1028.0	10.78	7.5	0.74	1457.0	> 100	274	0.12	1.0
4PP-outfall	11/26/2018 12:00	Base	Grab	19	8.5	983.0	10.92	7.2	0.72	1437.0	> 100	153	0.09	1.4
4PP-outfall	12/17/2018 11:55	Base	Grab	31	9.3	1031.0	10.40	8.3	0.74	1474.0	> 100	296	0.09	1.2

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- Nitrate (mg/L)	Nitrite- Nitrite (mg/L)	Sulfate (mg/L)	Total Biological Oxygen Demand 5- day (mg/L)	
4PP-outfall	01/08/2018 11:40	22	336.6	0.04	0.03	0.03		445	0.44	1.06	< 0.03	80.6	1.1	
4PP-outfall	01/30/2018 12:15	6	229.5	0.03	0.03	0.06	38	408	0.46	1.00	< 0.03	81.7	0.4	
4PP-outfall	02/13/2018 12:15	18	278.1	0.03	0.03	0.05		485	0.41	0.91	< 0.03	80.9	0.2	
4PP-outfall	02/22/2018 12:40	16	234.1	~ 0.03	0.02	~ 0.05	< 1	492	0.42	0.96	< 0.03	79.4	0.6	
4PP-outfall	03/08/2018 11:25	4	272.2	0.02	0.02	~ 0.04		387	0.43	1.00	< 0.03	80.5	0.5	
4PP-outfall	04/02/2018 11:20	~ 8	290.8	~ 0.03	0.02	~ 0.03	73	543	0.61	1.40	< 0.03	82.8	0.7	
4PP-outfall	04/12/2018 10:45						40							
4PP-outfall	05/24/2018 11:05						20							
4PP-outfall	08/09/2018 10:50						20							
4PP-outfall	08/10/2018 11:20	~ 11	276.0	~ 0.05	0.03	0.06		425	0.55	2.13	2.13	< 0.03	82.4	0.9
4PP-outfall	08/23/2018 11:05						470							
4PP-outfall	08/30/2018 11:45	~ 14	231.8	~ 0.04	0.03	0.05		483	0.46	2.09	2.09	< 0.03	73.7	0.7
4PP-outfall	09/10/2018 11:00	~ 6	227.1	~ 0.03	0.01	~ 0.05		373	0.44	2.16	2.16	< 0.03	77.8	0.4
4PP-outfall	09/12/2018 10:20						280							
4PP-outfall	09/26/2018 11:15						548							
4PP-outfall	09/27/2018 12:15	~ 9	236.1	~ 0.03	0.01	0.05		425	0.36	1.92	1.92	< 0.03	75.9	0.4
4PP-outfall	10/10/2018 10:30						3130							
4PP-outfall	10/12/2018 11:40	20	270.3	2.83	0.39	3.18		470	0.49	2.01	2.05	0.04	81.2	0.6
4PP-outfall	10/23/2018 11:35	13	247.6	0.15	0.11	0.19		481	0.53	2.61	2.65	0.04	77.4	1.2
4PP-outfall	10/24/2018 10:35						1							
4PP-outfall	11/07/2018 10:55						60							
4PP-outfall	11/14/2018 10:55	~ 8	261.5	< 0.02	0.02	~ 0.03		501	0.36	2.23	2.23	< 0.03	84.7	0.4
4PP-outfall	11/26/2018 12:00	~ 10	279.6	~ 0.04	0.02	~ 0.03		502	0.43	2.14	2.14	< 0.03	87.5	0.9
4PP-outfall	12/17/2018 11:55	~ 5	290.8	< 0.02	0.02	~ 0.03	59	492	0.46	1.84	1.84	< 0.03	81.7	0.8

2018 Stormwater Sample Data - 4PP-outfall

Station	Sample Start	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)
4PP-outfall	01/08/2018 11:40							948	1.4	14	3
4PP-outfall	01/30/2018 12:15	< 0.0004	0.0019	0.0022	0.0007	0.0026	< 0.0100	664	1.6	22	~ 1
4PP-outfall	02/13/2018 12:15							695	1.8	13	2
4PP-outfall	02/22/2018 12:40							732	1.5	27	~ 1
4PP-outfall	03/08/2018 11:25	< 0.0002	0.0017	0.0015	0.0005	0.0023	0.0059	784	1.6	18	~ 1
4PP-outfall	04/02/2018 11:20	< 0.0002	0.0003	0.0015	~ 0.0003	0.0024	0.0076	868	2.3	~ 1	~ 1
4PP-outfall	04/12/2018 10:45										
4PP-outfall	05/24/2018 11:05										
4PP-outfall	08/09/2018 10:50										
4PP-outfall	08/10/2018 11:20	< 0.0002	0.0004	0.0015	~ 0.0002	0.0027	0.0043	830	2.3	~ 2	~ 1
4PP-outfall	08/23/2018 11:05										
4PP-outfall	08/30/2018 11:45							785	2.0	~ 2	~ 1
4PP-outfall	09/10/2018 11:00	< 0.0002	0.0009	0.0012	~ 0.0003	0.0023	< 0.0050	776	2.3	~ 1	~ 1
4PP-outfall	09/12/2018 10:20										
4PP-outfall	09/26/2018 11:15										
4PP-outfall	09/27/2018 12:15							771	2.6	~ 2	< 1
4PP-outfall	10/10/2018 10:30										
4PP-outfall	10/12/2018 11:40	< 0.0002	0.0005	0.0329	0.0006	0.0024	0.0177	848	4.9	8	~ 3
4PP-outfall	10/23/2018 11:35							798	3.3	32	3
4PP-outfall	10/24/2018 10:35										
4PP-outfall	11/07/2018 10:55										
4PP-outfall	11/14/2018 10:55	< 0.0002	0.0004	< 0.0010	~ 0.0003	0.0021	< 0.0050	850	1.9	~ 1	~ 1
4PP-outfall	11/26/2018 12:00							832	1.7	~ 1	< 1
4PP-outfall	12/17/2018 11:55							868	1.6	~ 1	~ 1

Station	Sample Start	Sampling 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	01/08/2018 10:55		Base	Grab	31	7.9	887.0	11.08	8.1	0.66	1317.0	44	328.0	~ 0.03
6UMN-outfall	01/30/2018 11:35		Base	Grab	8	5.5	779.0	11.92	8.3	0.62	1242.0	> 100	345.0	~ 0.03
6UMN-outfall	02/13/2018 11:40		Base	Grab	15	6.9	788.0	13.72	8.5	0.60	1205.0	> 100	348.0	< 0.02
6UMN-outfall	02/22/2018 11:40		Base	Grab	20	6.9	857.0	11.70	8.4	0.66	1309.0	> 100	343.0	~ 0.05
6UMN-outfall	03/08/2018 10:25		Base	Grab	20	7.0	916.0	11.48	7.9	0.70	1397.0	> 100	339.0	~ 0.05
6UMN-outfall	04/02/2018 10:55		Base	Grab	30	7.8	846.0	11.45	7.7	0.63	1262.0	> 100	329.0	< 0.02
6UMN-outfall	04/12/2018 10:20		E Coli	Composite	40	8.7	908.0	10.38	7.5	0.66	1319.0	78		
6UMN-outfall	05/24/2018 10:30		E Coli	Composite	82	13.4	958.0	10.23	7.9	0.62	1230.0	> 100		
6UMN-outfall	05/29/2018 15:10	05/29/2018 16:30	Rain	Composite									31.0	0.35
6UMN-outfall	05/29/2018 18:55	05/29/2018 20:55	Rain	Composite									40.0	0.48
6UMN-outfall	08/09/2018 10:35		E Coli	Composite	79	16.2	1029.0	9.70	7.9	0.62	1238.0	> 100		
6UMN-outfall	08/10/2018 10:35		Base	Grab	80	15.3	998.0	9.93	7.9	0.61	1225.0	> 100	301.5	0.05
6UMN-outfall	08/23/2018 10:15		E Coli	Composite	71	16.7	1023.0	9.81	7.8	0.61	1217.0	> 100		
6UMN-outfall	08/24/2018 10:40	08/24/2018 11:30	Rain	Composite	80								22.0	0.16
6UMN-outfall	08/28/2018 08:55	08/28/2018 09:40	Rain	Composite	75								83.0	0.09
6UMN-outfall	08/30/2018 11:15		Base	Grab	65	14.9	910.0	9.94	7.7	0.56	1129.0	> 100	325.0	~ 0.04
6UMN-outfall	09/04/2018 14:35	09/04/2018 16:15	Rain	Composite	70								28.0	~ 0.02
6UMN-outfall	09/10/2018 10:25		Base	Grab	63	15.1	1006.0	10.03	7.5	0.62	1241.0	> 100	327.5	0.03
6UMN-outfall	09/12/2018 09:55		E Coli	Composite	70	17.1	1050.0	9.75	7.7	0.62	1236.0	> 100		
6UMN-outfall	09/17/2018 14:50	09/17/2018 17:10	Rain	Composite	60								36.0	0.25
6UMN-outfall	09/18/2018 02:45	09/18/2018 03:50	Rain	Composite	60								23.0	0.39
6UMN-outfall	09/20/2018 07:15	09/20/2018 14:10	Rain	Composite	52								31.0	0.06
6UMN-outfall	09/26/2018 10:45		E Coli	Composite	50	13.1	964.0	10.75	7.8	0.63	1247.0	> 100		
6UMN-outfall	11/26/2018 11:30		Base	Grab	19	7.8	742.0	11.57	7.1	0.55	1107.0	> 100	342.0	~ 0.05
6UMN-outfall	12/04/2018 10:50		Base	Grab	23	8.3	918.0	11.37	7.4	0.68	1348.0	> 100	345.0	0.06
6UMN-outfall	12/17/2018 11:15		Base	Grab	29	8.6	877.0	10.88	8.4	0.64	1277.0	> 100	333.5	0.05

Station	Sample Start	Sampling End	Carbonaceous					Total Phosphorus (mg/L)	E. coli (MPN/ mL)	Hardness (mg/L CaCO3)	Total		Nitrate-	
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)				Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrite (mg/L)
6UMN-outfall	01/08/2018 10:55		0.9	18	194.8	< 0.02	~ 0.01	0.09		499	0.49	0.85		< 0.03
6UMN-outfall	01/30/2018 11:35		0.7	< 5	167.2	< 0.02	~ 0.01	~ 0.04	1	498	0.32	0.82		< 0.03
6UMN-outfall	02/13/2018 11:40		0.9	16	178.9	< 0.02	0.01	~ 0.03		506	0.30	0.93		< 0.03
6UMN-outfall	02/22/2018 11:40		0.7	19	201.9	< 0.02	0.01	< 0.02	1	526	0.36	0.86		< 0.03
6UMN-outfall	03/08/2018 10:25		0.7	< 5	249.1	< 0.02	~ 0.01	~ 0.03		426	0.32	0.95		< 0.03
6UMN-outfall	04/02/2018 10:55		0.9	~ 8	164.0	< 0.02	0.02	~ 0.04	291	509	0.44	0.80		< 0.03
6UMN-outfall	04/12/2018 10:20								< 10					
6UMN-outfall	05/24/2018 10:30								10					
6UMN-outfall	05/29/2018 15:10	05/29/2018 16:30		187	15.0	< 0.02		0.54		32	3.40	0.67		0.06
6UMN-outfall	05/29/2018 18:55	05/29/2018 20:55		74	26.7	~ 0.02		0.22		40	2.20	0.98		0.10
6UMN-outfall	08/09/2018 10:35								90					
6UMN-outfall	08/10/2018 10:35		1.2	12	186.3	< 0.02	~ 0.01	0.03		389	0.37	1.06	1.06	< 0.03
6UMN-outfall	08/23/2018 10:15													
6UMN-outfall	08/24/2018 10:40	08/24/2018 11:30		93	5.6	0.10		0.35		37	1.60			
6UMN-outfall	08/28/2018 08:55	08/28/2018 09:40		68	39.3	~ 0.05		0.23		108	1.40	0.59	0.63	0.04
6UMN-outfall	08/30/2018 11:15		1.2	~ 7	142.0	~ 0.05	0.03	~ 0.05		389	0.29	0.98	0.98	< 0.03
6UMN-outfall	09/04/2018 14:35	09/04/2018 16:15		68	9.8	~ 0.05		0.17		43	1.00	0.34	0.34	< 0.03
6UMN-outfall	09/10/2018 10:25		1.1	< 5	158.0	< 0.02	~ 0.01	~ 0.04		435	0.47	2.54	5.08	< 0.03
6UMN-outfall	09/12/2018 09:55								20					
6UMN-outfall	09/17/2018 14:50	09/17/2018 17:10	> 8.7	94	15.8	0.09	0.05	0.32		50	2.20	0.46	0.54	0.08
6UMN-outfall	09/18/2018 02:45	09/18/2018 03:50	6.0	70	9.5	0.05	0.06	0.23		34	1.30	0.49	0.52	0.04
6UMN-outfall	09/20/2018 07:15	09/20/2018 14:10	4.5	55	12.3	0.06	0.05	0.22		32	0.89	0.26	0.29	0.03
6UMN-outfall	09/26/2018 10:45								529					
6UMN-outfall	11/26/2018 11:30		1.2	~ 7	158.7	< 0.02	0.01	~ 0.03		520	0.24	1.20	1.20	< 0.03
6UMN-outfall	12/04/2018 10:50		0.8	~ 9	217.6	0.06	0.04	0.08		486	0.34	1.10	1.10	< 0.03
6UMN-outfall	12/17/2018 11:15		1.2	6	184.6	< 0.02	0.02	~ 0.04	17	490	0.29	1.09	1.09	< 0.03

Station	Sample Start	Sampling 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	01/08/2018 10:55		5.36	0.7							702	6.4	6	~ 2
6UMN-outfall	01/30/2018 11:35		59.00	0.2	< 0.0004	0.0004	0.0019	~ 0.0006	0.0068	< 0.0100	648	1.7	~ 2	~ 1
6UMN-outfall	02/13/2018 11:40		58.00	< 0.2							653	1.8	~ 1	< 1
6UMN-outfall	02/22/2018 11:40		56.80	0.4							716	1.9	< 1	< 1
6UMN-outfall	03/08/2018 10:25		54.50	0.5	< 0.0002	0.0002	0.0012	~ 0.0003	0.0057	0.0070	724	1.8	~ 1	< 1
6UMN-outfall	04/02/2018 10:55		56.50	0.4	< 0.0002	0.0002	0.0013	~ 0.0004	0.0054	0.0071	686	2.5	~ 1	~ 1
6UMN-outfall	04/12/2018 10:20													
6UMN-outfall	05/24/2018 10:30													
6UMN-outfall	05/29/2018 15:10	05/29/2018 16:30	7.00		~ 0.0004	0.0175	0.0413	0.0286	0.0125	0.2460	86	8.9	332	77
6UMN-outfall	05/29/2018 18:55	05/29/2018 20:55	8.71		< 0.0002	0.0070	0.0158	0.0070	0.0052	0.0764	131	9.3	66	21
6UMN-outfall	08/09/2018 10:35													
6UMN-outfall	08/10/2018 10:35		58.25	0.8	< 0.0002	0.0002	0.0015	0.0001	0.0058	0.0046	679	1.9	1	1
6UMN-outfall	08/23/2018 10:15													
6UMN-outfall	08/24/2018 10:40	08/24/2018 11:30	3.73		~ 0.0004	0.0083	0.0262	0.0204	0.0066	0.1760	57	5.7	200	44
6UMN-outfall	08/28/2018 08:55	08/28/2018 09:40	15.00								200	8.5	61	19
6UMN-outfall	08/30/2018 11:15		50.40	0.8							642	1.9	~ 1	~ 1
6UMN-outfall	09/04/2018 14:35	09/04/2018 16:15	4.18		< 0.0002	0.0074	0.0153	0.0104	0.0041	0.1060	74	6.4	92	26
6UMN-outfall	09/10/2018 10:25		60.10	0.6	< 0.0002	< 0.0005	0.0016	0.0004	0.0056	0.0038	700	2.0	~ 1	~ 1
6UMN-outfall	09/12/2018 09:55													
6UMN-outfall	09/17/2018 14:50	09/17/2018 17:10	6.50	> 8.5							95	13.7	90	30
6UMN-outfall	09/18/2018 02:45	09/18/2018 03:50	3.32	6.4							69	5.6	104	33
6UMN-outfall	09/20/2018 07:15	09/20/2018 14:10	4.61	5.7							77	5.9	117	30
6UMN-outfall	09/26/2018 10:45													
6UMN-outfall	11/26/2018 11:30		59.90	0.8							667	1.7	~ 1	< 1
6UMN-outfall	12/04/2018 10:50		59.80	0.3	< 0.0002	~ 0.0001	0.0010	~ 0.0002	0.0061	< 0.0100	769	1.4	< 1	< 1
6UMN-outfall	12/17/2018 11:15		58.25	0.9							734	1.6	~ 2	~ 1