

2016 Stormwater Sample Data at 11CHF-outfall January - June

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	01/06/2016 09:00		Base	Grab	30	5.7	684.0	13.12	7.9	0.54	1085.0	> 100	269	0.10
11CHF-outfall	01/30/2016 13:22	01/31/2016 19:07	Melt	Composite	20	3.7	2156.0	12.24	7.6	1.90	3634.0		59	1.06
11CHF-outfall	02/05/2016 09:15		Base	Grab	11	2.5	2123.0	13.52	7.7	1.94	3717.0	> 100	310	0.03
11CHF-outfall	02/06/2016 16:17	02/07/2016 18:42	Melt	Composite	20	19.6	5237.0	8.61	7.5	3.18	5841.0		49	0.84
11CHF-outfall	02/17/2016 09:00		Base	Grab	20	2.7	924.0	14.24	7.8	0.81	1612.0	> 100	321	0.05
11CHF-outfall	02/19/2016 10:17	02/20/2016 03:37	Melt	Composite	30	4.9	1002.0	10.70	7.3	0.82	1628.0	12	44	1.23
11CHF-outfall	02/23/2016 09:47	02/23/2016 19:52	Melt	Composite	25	1.4	1296.0	11.16	7.2	1.19	2360.0		56	0.82
11CHF-outfall	02/27/2016 12:07	02/27/2016 20:12	Melt	Composite	25	0.5	549.0	13.03	7.6	0.50	1031.0		48	0.55
11CHF-outfall	03/01/2016 08:55		Base	Grab	16	7.2	717.3	11.07	8.2	0.50	1086.1	> 100	246	0.07
11CHF-outfall	03/14/2016 08:17	03/15/2016 17:06	Rain	Composite	40	12.9	659.4	8.79	7.9	0.40	856.3	8	53	0.42
11CHF-outfall	03/29/2016 23:55	03/30/2016 12:35	Rain	Composite	40	10.6	132.8	8.98	7.2	0.10	182.4		25	0.38
11CHF-outfall	04/20/2016 21:59	04/21/2016 00:19	Rain	Composite	50	12.4	98.1	7.92	8.0	0.06	129.2		27	0.26
11CHF-outfall	04/21/2016 08:54	04/21/2016 14:04	Rain	Composite	50	12.2	148.6	8.72	7.5	0.09	196.7		32	0.47
11CHF-outfall	04/24/2016 06:54	04/24/2016 10:34	Rain	Composite	60							9	26	0.54
11CHF-outfall	04/27/2016 17:35	04/28/2016 22:59	Rain	Composite	43	11.2	63.2	9.76	8.3	0.00	84.3	18	19	0.17
11CHF-outfall	05/19/2016 09:00		Base	Grab	60	14.6	763.6	9.66	8.3	0.50	950.0	> 100	291	0.01
11CHF-outfall	05/23/2016 20:09	05/24/2016 16:40	Rain	Composite	75	18.2	188.1	2.19	7.5	0.10	216.1		49	0.13
11CHF-outfall	05/25/2016 10:10	05/25/2016 12:40	Rain	Composite	75	18.0	75.1	5.67	7.6	0.00	86.7		96	0.04
11CHF-outfall	05/27/2016 11:09	05/28/2016 11:40	Rain	Composite	73	23.0	100.2	7.22	7.8	0.00	104.2		35	0.30
11CHF-outfall	05/28/2016 16:15	05/28/2016 18:45	Rain	Composite	73	22.8	165.0	6.57	7.5	0.10	172.2		27	0.13
11CHF-outfall	06/01/2016 10:10	06/01/2016 14:20	Rain	Composite	61	17.3	303.2	6.82	7.7	0.20	354.7			0.01
11CHF-outfall	06/02/2016 09:58		Base	Grab	70	13.4	826.9	9.39	8.2	0.50	1062.3	62	329	0.11
11CHF-outfall	06/03/2016 14:15	06/03/2016 16:50	Rain	Composite	71	18.7	137.0	5.74	7.6	0.10	155.8		46	0.76
11CHF-outfall	06/09/2016 00:40	06/09/2016 01:45	Rain	Composite	75	20.2	162.4	6.02	7.7	0.10	178.8	23	48	0.48
11CHF-outfall	06/16/2016 08:55		Base	Grab	68	20.4	214.6	8.35	8.0	0.10	235.4	57	58	0.12

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 11CHF-outfall January - June continued

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 (mg/L)	Nitrite (mg/L)
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)								
11CHF-outfall	01/06/2016 09:00		0.8	15	123.8	0.09	0.05	0.07		348	0.60	1.88	0.03
11CHF-outfall	01/30/2016 13:22	01/31/2016 19:07		119	1130.0	0.25		0.39		120	4.50	0.65	0.18
11CHF-outfall	02/05/2016 09:15		0.9	16	1002.9	0.03	0.02	0.06		424	0.52	1.94	0.05
11CHF-outfall	02/06/2016 16:17	02/07/2016 18:42		123	1837.4	0.14		0.36		116	3.90	0.46	0.14
11CHF-outfall	02/17/2016 09:00		0.5	15	299.0	0.04	0.04	0.05	135	432	0.64	1.88	0.02
11CHF-outfall	02/19/2016 10:17	02/20/2016 03:37		153	516.9	0.28		0.58		68	4.70	0.52	0.06
11CHF-outfall	02/23/2016 09:47	02/23/2016 19:52		115	700.5	0.22		0.51		108	4.40	0.42	0.13
11CHF-outfall	02/27/2016 12:07	02/27/2016 20:12		58	280.8	0.20	0.21	0.37		68	2.50	0.36	0.04
11CHF-outfall	03/01/2016 08:55		0.9	8	183.4	0.03	0.10	0.06		384	0.88	1.63	0.02
11CHF-outfall	03/14/2016 08:17	03/15/2016 17:06	7.1	142	447.6	0.08	0.05	0.42		92	3.40	0.31	0.04
11CHF-outfall	03/29/2016 23:55	03/30/2016 12:35		87	36.5	0.10		0.28		20	1.70	0.37	0.05
11CHF-outfall	04/20/2016 21:59	04/21/2016 00:19	9.6	188	16.2	0.14	0.11	0.77		76	3.00	0.21	0.08
11CHF-outfall	04/21/2016 08:54	04/21/2016 14:04	5.9	55	29.3	0.07	0.05	0.30		32	2.30	0.68	0.07
11CHF-outfall	04/24/2016 06:54	04/24/2016 10:34	6.6	137	5.6	0.05	0.03	0.58		44	3.60	0.36	0.02
11CHF-outfall	04/27/2016 17:35	04/28/2016 22:59	4.6	35	10.4	0.07	0.05	0.12		10	0.95	0.25	0.02
11CHF-outfall	05/19/2016 09:00		0.6	5	97.0	0.02	0.02	0.02		436	0.18	1.83	0.02
11CHF-outfall	05/23/2016 20:09	05/24/2016 16:40		176	25.8	0.12		0.86		112	6.20	0.03	0.02
11CHF-outfall	05/25/2016 10:10	05/25/2016 12:40	20.0	200	7.4	0.07	0.09	0.73		56	4.50	0.24	0.06
11CHF-outfall	05/27/2016 11:09	05/28/2016 11:40		46	19.7	0.09		0.20		36	1.40	0.22	0.03
11CHF-outfall	05/28/2016 16:15	05/28/2016 18:45			8.8	0.08		0.22			1.20	0.20	0.02
11CHF-outfall	06/01/2016 10:10	06/01/2016 14:20			57.2	0.07	0.02	0.27			1.90	0.03	0.02
11CHF-outfall	06/02/2016 09:58		9.8	54	108.0	0.12	0.07	0.26		456	1.80	1.54	0.08
11CHF-outfall	06/03/2016 14:15	06/03/2016 16:50		79	10.3	0.15		0.35		48	2.60	0.21	0.05
11CHF-outfall	06/09/2016 00:40	06/09/2016 01:45	25.0	180	62.9	0.26	0.17	0.53	6130	68	5.90	1.25	0.13
11CHF-outfall	06/16/2016 08:55		4.1	22	26.3	0.02	0.01	0.10		72	0.71	0.39	0.03

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 11CHF-outfall January - June continued

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	01/06/2016 09:00		80.9	0.7	0.0001	0.0006	0.0019	0.0002	0.0025	0.0170	613	4.7	1	1
11CHF-outfall	01/30/2016 13:22	01/31/2016 19:07	23.1		0.0003	0.0048	0.0206	0.0050	0.0092	0.0969	1880	15.6	57	22
11CHF-outfall	02/05/2016 09:15		79.7	0.8							1940	3.3	1	1
11CHF-outfall	02/06/2016 16:17	02/07/2016 18:42	28.1								3130	11.3	77	32
11CHF-outfall	02/17/2016 09:00		92.8	0.7	0.0001	0.0005	0.0017	0.0003	0.0025	0.0094	938	3.3	3	1
11CHF-outfall	02/19/2016 10:17	02/20/2016 03:37	10.8								804	14.2	150	60
11CHF-outfall	02/23/2016 09:47	02/23/2016 19:52	17.9								1160	14.0	53	27
11CHF-outfall	02/27/2016 12:07	02/27/2016 20:12	84.7								476	7.6	46	15
11CHF-outfall	03/01/2016 08:55		85.5	1.1	0.0001	0.0010	0.0025	0.0008	0.0015	0.0192	616	3.3	4	2
11CHF-outfall	03/14/2016 08:17	03/15/2016 17:06	10.4	12.0	0.0002	0.0135	0.0263	0.0134	0.0104	0.1930	744	8.9	215	72
11CHF-outfall	03/29/2016 23:55	03/30/2016 12:35	5.1								117	8.7	93	33
11CHF-outfall	04/20/2016 21:59	04/21/2016 00:19	4.8	9.7							80	12.3	146	51
11CHF-outfall	04/21/2016 08:54	04/21/2016 14:04	8.7	8.8							108	4.4	65	28
11CHF-outfall	04/24/2016 06:54	04/24/2016 10:34	2.3	7.4	0.0003	0.0134	0.0292	0.0186	0.0106	0.1750	29	4.0	298	81
11CHF-outfall	04/27/2016 17:35	04/28/2016 22:59	3.1	5.8							55	5.6	36	17
11CHF-outfall	05/19/2016 09:00		98.5	0.4	0.0001	0.0002	0.0006	0.0001	0.0010	0.0024	607	3.2	1	1
11CHF-outfall	05/23/2016 20:09	05/24/2016 16:40	8.0								127	19.5	260	98
11CHF-outfall	05/25/2016 10:10	05/25/2016 12:40	3.2	21.0							57	10.5	378	102
11CHF-outfall	05/27/2016 11:09	05/28/2016 11:40	4.2								99	10.7	20	11
11CHF-outfall	05/28/2016 16:15	05/28/2016 18:45									60	10.5	42	18
11CHF-outfall	06/01/2016 10:10	06/01/2016 14:20		9.9								12.4	20	15
11CHF-outfall	06/02/2016 09:58		93.1	9.9							682	19.3	11	8
11CHF-outfall	06/03/2016 14:15	06/03/2016 16:50	5.5		0.0001	0.0069	0.0156	0.0075	0.0057	0.0896	102	11.0	104	37
11CHF-outfall	06/09/2016 00:40	06/09/2016 01:45	10.6	27.0							251	46.5	69	35
11CHF-outfall	06/16/2016 08:55		10.0	3.2	0.0001	0.0005	0.0027	0.0006	0.0010	0.0072	130	4.8	12	5

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2016 Stormwater Sample Data at 11CHF-outfall July - October

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	07/05/2016 09:26		Base	Grab	79	16.2	743.7	9.21	8.2	0.40	893.2	> 100	323	0.14
11CHF-outfall	07/05/2016 18:00	07/05/2016 19:50	Rain	Composite	69								323	0.42
11CHF-outfall	07/10/2016 05:40	07/10/2016 07:50	Rain	Composite	81									
11CHF-outfall	07/16/2016 23:05	07/17/2016 00:40	Rain	Composite	75								36	0.01
11CHF-outfall	07/18/2016 10:11		Base	Grab	75	20.6	880.0	6.30	8.3	0.50	957.2	> 100	294	0.01
11CHF-outfall	07/23/2016 11:35	07/23/2016 16:35	Rain	Composite	76								16	0.08
11CHF-outfall	07/27/2016 13:55	07/27/2016 17:00	Rain	Composite	70	22.5	141.1	7.34	9.2	0.10	148.1	27	21	0.22
11CHF-outfall	07/28/2016 11:55	07/29/2016 14:00	Rain	Composite	70								45	0.31
11CHF-outfall	08/01/2016 09:15		Base	Grab	75	17.7	897.3	7.66	7.6	0.50	1041.8	37	298	0.01
11CHF-outfall	08/04/2016 07:10	08/04/2016 08:35	Rain	Composite	73							11	11	0.16
11CHF-outfall	08/10/2016 20:30	08/11/2016 05:10	Rain	Composite	71							30	13	0.05
11CHF-outfall	08/15/2016 09:50		Base	Grab	74	19.0	901.0	7.54	7.7	0.50	1017.7	> 100	316	0.01
11CHF-outfall	08/16/2016 18:20	08/16/2016 21:25	Rain	Composite	69								17	0.10
11CHF-outfall	08/19/2016 01:20	08/19/2016 06:10	Rain	Composite	70								13	0.25
11CHF-outfall	08/19/2016 19:50	08/19/2016 21:30	Rain	Composite	70								15	0.08
11CHF-outfall	08/20/2016 08:30	08/20/2016 12:20	Rain	Composite	69								22	0.01
11CHF-outfall	08/23/2016 23:00	08/24/2016 02:05	Rain	Composite	72								21	0.01
11CHF-outfall	08/30/2016 00:05	08/30/2016 04:00	Rain	Composite	69							19	21	0.01
11CHF-outfall	09/01/2016 08:58		Base	Grab	61	19.7	779.9	8.39	8.4	0.40	867.2	91	267	0.01
11CHF-outfall	09/05/2016 00:40	09/05/2016 05:05	Rain	Composite	70								26	0.07
11CHF-outfall	09/15/2016 16:10	09/15/2016 22:35	Rain	Composite	64								21	0.01
11CHF-outfall	09/21/2016 17:50	09/21/2016 23:35	Rain	Composite	65								23	0.34
11CHF-outfall	10/04/2016 23:45	10/05/2016 06:30	Rain	Composite	58								17	0.18
11CHF-outfall	10/06/2016 19:00	10/06/2016 23:35	Rain	Composite	43								17	0.11
11CHF-outfall	10/11/2016 09:00		Base	Grab	65	16.4	920.0	7.75	7.4	0.60	1100.1	> 100	328	0.03
11CHF-outfall	10/17/2016 11:25	10/17/2016 12:50	Rain	Composite	52								126	0.04
11CHF-outfall	10/21/2016 09:08		Base	Grab	42	14.7	910.5	8.02	7.9	0.60	1133.3	> 100	326	0.01
11CHF-outfall	10/25/2016 07:45	10/26/2016 08:40	Rain	Composite	45								47	0.15

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 11CHF-outfall July - October continued

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		
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)								
11CHF-outfall	07/05/2016 09:26		1.0	12	84.7	0.05	0.04	0.06		344	0.39	1.36	0.02		
11CHF-outfall	07/05/2016 18:00	07/05/2016 19:50		125	7.7	0.20	0.04	0.49		344	2.20	0.34	0.04		
11CHF-outfall	07/10/2016 05:40	07/10/2016 07:50				0.09		0.38			2.40	0.24	0.07		
11CHF-outfall	07/16/2016 23:05	07/17/2016 00:40		92	16.4	0.11		0.37		48	1.80	0.22	0.04		
11CHF-outfall	07/18/2016 10:11		6.3	24	75.8	0.01	0.01	0.06		408	0.53	1.40	0.29		
11CHF-outfall	07/23/2016 11:35	07/23/2016 16:35		64	3.1	0.06		0.26		24	1.30	0.18	0.02		
11CHF-outfall	07/27/2016 13:55	07/27/2016 17:00	2.8	77	2.9	0.06	0.04	0.42		40	2.10	0.28	0.02		
11CHF-outfall	07/28/2016 11:55	07/29/2016 14:00		29	11.0	0.09		0.16	2760	56	0.93	0.28	0.04		
11CHF-outfall	08/01/2016 09:15		1.0	17	99.3	0.03	0.02	0.05		312	0.48	1.38	0.02		
11CHF-outfall	08/04/2016 07:10	08/04/2016 08:35		60	1.0	0.10		0.38		52	1.60	0.30	0.02		
11CHF-outfall	08/10/2016 20:30	08/11/2016 05:10	3.7	40	2.6	0.07	0.05	0.17		20	0.74	0.21	0.02		
11CHF-outfall	08/15/2016 09:50		1.9	17	94.8	0.03	0.02	0.09		324	0.57	1.66	0.02		
11CHF-outfall	08/16/2016 18:20	08/16/2016 21:25	7.1	89	4.5	0.12	0.11	0.40		140	1.60	0.34	0.09		
11CHF-outfall	08/19/2016 01:20	08/19/2016 06:10	6.5	74	3.6	0.28	0.06	0.60		84	1.50	0.35	0.02		
11CHF-outfall	08/19/2016 19:50	08/19/2016 21:30		71	5.3	0.04		0.51		60	1.30	0.11	0.04		
11CHF-outfall	08/20/2016 08:30	08/20/2016 12:20		36	3.7	0.03		0.13		28	0.72	0.11	0.02		
11CHF-outfall	08/23/2016 23:00	08/24/2016 02:05	3.1	60	6.4	0.01	0.04	0.38		52	1.20	0.26	0.02		
11CHF-outfall	08/30/2016 00:05	08/30/2016 04:00	4.7	43	6.0	0.06	0.05	0.21		36	1.10	0.29	0.02		
11CHF-outfall	09/01/2016 08:58		1.2	21	70.5	0.03	0.01	0.06		368	0.56	1.40	0.02		
11CHF-outfall	09/05/2016 00:40	09/05/2016 05:05		91	6.2	0.11		0.39		24	1.50	0.24	0.05		
11CHF-outfall	09/15/2016 16:10	09/15/2016 22:35	6.8	63	4.0	0.09	0.07	0.24		20	1.30	0.27	0.04		
11CHF-outfall	09/21/2016 17:50	09/21/2016 23:35	4.2	53	3.1	0.07	0.06	0.29		24	1.40	0.33	0.02		
11CHF-outfall	10/04/2016 23:45	10/05/2016 06:30	7.4	45	5.9	0.09	0.08	0.22		28	1.20	0.35	0.02		
11CHF-outfall	10/06/2016 19:00	10/06/2016 23:35	4.6	37	2.7	0.06	0.06	0.13		16	0.76	0.03	0.02		
11CHF-outfall	10/11/2016 09:00		0.6	13	99.2	0.02	0.02	0.07		412	0.44	3.01	0.02		
11CHF-outfall	10/17/2016 11:25	10/17/2016 12:50			17.0	0.01	0.01	0.05		156	0.56	0.74	0.02		
11CHF-outfall	10/21/2016 09:08		1.2	5	91.2	0.03	0.02	0.05		416	2.80	1.94	0.02		
11CHF-outfall	10/25/2016 07:45	10/26/2016 08:40		72	7.1	0.30		0.44		48	1.10	0.22	0.03		

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 11CHF-outfall July - October continued

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological						Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
				Oxygen Demand day (mg/L)	Total 5-Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)					
11CHF-outfall	07/05/2016 09:26		69.5	0.9						551	5.4	1	1	
11CHF-outfall	07/05/2016 18:00	07/05/2016 19:50	4.0		0.0002	0.0119	0.0229	0.0197	0.0186	0.1270	70	12.7		
11CHF-outfall	07/10/2016 05:40	07/10/2016 07:50										124	52	
11CHF-outfall	07/16/2016 23:05	07/17/2016 00:40	5.1							104	16.1	62	23	
11CHF-outfall	07/18/2016 10:11		93.3	6.7						572	6.6	5	4	
11CHF-outfall	07/23/2016 11:35	07/23/2016 16:35	1.5							48	6.0	154	35	
11CHF-outfall	07/27/2016 13:55	07/27/2016 17:00	1.9	5.6	0.0001	0.0068	0.0096	0.0100	0.0061	0.0603	29	6.0	210	38
11CHF-outfall	07/28/2016 11:55	07/29/2016 14:00	5.0							89	5.3	14	6	
11CHF-outfall	08/01/2016 09:15		51.1	1.3						561	4.0	2	2	
11CHF-outfall	08/04/2016 07:10	08/04/2016 08:35	1.8							33	6.6	167	38	
11CHF-outfall	08/10/2016 20:30	08/11/2016 05:10	1.8	4.6						39	5.7	42	12	
11CHF-outfall	08/15/2016 09:50		47.0	1.3						549	4.9	10	3	
11CHF-outfall	08/16/2016 18:20	08/16/2016 21:25	2.7	9.2	0.0001	0.0056	0.0135	0.0087	0.0061	0.0674	57	10.5	373	58
11CHF-outfall	08/19/2016 01:20	08/19/2016 06:10	2.8	9.1						56	8.3	224	26	
11CHF-outfall	08/19/2016 19:50	08/19/2016 21:30	3.8							65	9.2	869	37	
11CHF-outfall	08/20/2016 08:30	08/20/2016 12:20	1.9							46	4.1	42	17	
11CHF-outfall	08/23/2016 23:00	08/24/2016 02:05	3.1	6.8	0.0001	0.0088	0.0138	0.0063	0.0071	0.0659	55	8.2	189	21
11CHF-outfall	08/30/2016 00:05	08/30/2016 04:00	2.2	7.1						57	6.7	113	13	
11CHF-outfall	09/01/2016 08:58		72.2	1.4	0.0001	0.0003	0.0012	0.0001	0.0023	0.0033	527	5.5	6	2
11CHF-outfall	09/05/2016 00:40	09/05/2016 05:05	3.3		0.0001	0.0038	0.0188	0.0072	0.0062	0.0965	65	9.4	146	36
11CHF-outfall	09/15/2016 16:10	09/15/2016 22:35	3.4	9.3						50	10.0	71	22	
11CHF-outfall	09/21/2016 17:50	09/21/2016 23:35	2.9	8.0						34	6.0	88	24	
11CHF-outfall	10/04/2016 23:45	10/05/2016 06:30	3.1	9.8						64	8.3	73	17	
11CHF-outfall	10/06/2016 19:00	10/06/2016 23:35	2.1	6.1	0.0001	0.0025	0.0076	0.0045	0.0030	0.0441	34	4.6	46	16
11CHF-outfall	10/11/2016 09:00		71.8	0.5	0.0001	0.0004	0.0014	0.0003	0.0023	0.0100	622	3.4	1	1
11CHF-outfall	10/17/2016 11:25	10/17/2016 12:50	29.7							215	4.4	7	4	
11CHF-outfall	10/21/2016 09:08		71.3	1.2						637	3.4	1	2	
11CHF-outfall	10/25/2016 07:45	10/26/2016 08:40	9.4							113	18.9	27	17	

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 11CHF-outfall November - December

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air	Water	Dissolved			Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	
					Temperature (°F)	Temperature (°C)	Conductivity (µS/cm)	Oxygen (mg/L)	pH	Salinity (ppt)			Conductivity (µS/cm)	Nitrogen (mg/L)
11CHF-outfall	11/01/2016 11:10		Base	Grab	58	16.1	1121.6	8.34	7.7	0.70	1350.8	> 100	319	0.03
11CHF-outfall	11/17/2016 10:50		Base	Grab	48	12.9	1087.5	9.86	8.1	0.70	1414.5	> 100	327	0.03
11CHF-outfall	11/18/2016 08:15	11/18/2016 16:50	Rain	Composite	28								28	0.78
11CHF-outfall	11/23/2016 09:50	11/23/2016 13:50	Rain	Composite	51								21	0.13
11CHF-outfall	11/27/2016 20:45	11/28/2016 00:25	Rain	Composite	51								27	0.08
11CHF-outfall	11/28/2016 09:45	11/28/2016 14:30	Rain	Composite	36								19	0.34
11CHF-outfall	11/28/2016 17:50	11/28/2016 19:55	Rain	Composite	36								24	0.36
11CHF-outfall	12/02/2016 09:10		Base	Grab	31	9.7	786.0	9.59	7.8	0.55	1110.0	> 100	320	0.02
11CHF-outfall	12/20/2016 09:00		Base	Grab	34	10.7	1872.3	9.49	7.3	1.30	2567.9	> 100	340	0.06
11CHF-outfall	12/25/2016 13:35	12/25/2016 22:55	Rain	Composite	19							15	15	0.34

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 11CHF-outfall November - December continued

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		
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)						Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11CHF-outfall	11/01/2016 11:10		0.7	12	150.8	0.03	0.03	0.04		512	0.42	2.42	0.02
11CHF-outfall	11/17/2016 10:50		1.3	11	157.4	0.04	0.04	0.05	7400	496	0.36	2.34	0.02
11CHF-outfall	11/18/2016 08:15	11/18/2016 16:50		147	18.4	0.41		0.65		44	2.50	0.52	0.05
11CHF-outfall	11/23/2016 09:50	11/23/2016 13:50		65	420.4	0.09		0.26		52	1.40	0.43	0.03
11CHF-outfall	11/27/2016 20:45	11/28/2016 00:25		64	71.1	0.06		0.19		28	0.97	0.22	0.02
11CHF-outfall	11/28/2016 09:45	11/28/2016 14:30	6.2	154	39.7	0.06	0.05	0.53		48	2.80	0.29	0.02
11CHF-outfall	11/28/2016 17:50	11/28/2016 19:55	5.3	64	43.4	0.06	0.04	0.22		36	1.40	0.32	0.02
11CHF-outfall	12/02/2016 09:10		0.9	8	125.0	0.02	0.02	0.08		440	0.43	1.50	0.02
11CHF-outfall	12/20/2016 09:00		0.8	5	648.5	0.01	0.02	0.05	2	560	0.55	1.87	0.02
11CHF-outfall	12/25/2016 13:35	12/25/2016 22:55		67	328.7	0.07		0.21		40	1.50	0.27	0.02

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 11CHF-outfall November - December continued

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological							Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
				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)				
11CHF-outfall	11/01/2016 11:10		131.0	0.7							792	4.1	1	1
11CHF-outfall	11/17/2016 10:50		115.0	0.8							688	4.7	1	1
11CHF-outfall	11/18/2016 08:15	11/18/2016 16:50	4.4								100	26.8	142	50
11CHF-outfall	11/23/2016 09:50	11/23/2016 13:50	5.8								747	8.8	40	24
11CHF-outfall	11/27/2016 20:45	11/28/2016 00:25	3.9								149	9.1	53	23
11CHF-outfall	11/28/2016 09:45	11/28/2016 14:30	2.8	7.7	0.0003	0.0117	0.0230	0.0245	0.0090	0.1470	99	5.5	257	79
11CHF-outfall	11/28/2016 17:50	11/28/2016 19:55	3.7	7.0							115	6.0	72	26
11CHF-outfall	12/02/2016 09:10		73.2	0.6	0.0001	0.0004	0.0015	0.0002	0.0022	0.0103	608	3.9	2	1
11CHF-outfall	12/20/2016 09:00		79.7	0.5							1440	3.6	2	1
11CHF-outfall	12/25/2016 13:35	12/25/2016 22:55	6.0								573	6.2	70	25

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 1NE-outfall January - July

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air	Water	Dissolved			Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	
					Temperature (°F)	Temperature (°C)	Conductivity (µS/cm)	Oxygen (mg/L)	pH	Salinity (ppt)			Conductivity (µS/cm)	Nitrogen (mg/L)
1NE-outfall	01/06/2016 09:40		Base	Grab	30	8.0	938.0	11.21	8.1	0.70	1391.0	> 100	392	0.15
1NE-outfall	02/05/2016 09:35		Base	Grab	11	6.1	1099.0	11.00	7.8	0.87	1722.0	> 100	379	0.11
1NE-outfall	02/17/2016 09:35		Base	Grab	20	5.1	945.0	14.26	7.9	0.76	1523.0	> 100	386	0.01
1NE-outfall	02/19/2016 10:44	02/20/2016 01:39	Melt	Composite	30	10.6	1060.0	8.47	7.5	0.74	1463.0		63	0.84
1NE-outfall	03/01/2016 09:25		Base	Grab	16	4.4	778.4	11.81	7.9	0.60	1283.3	> 100	398	0.07
1NE-outfall	03/18/2016 09:15		Base	Grab	33	8.3	737.7	10.72	7.7	0.50	1083.8	91	265	0.07
1NE-outfall	03/30/2016 00:06	03/31/2016 02:56	Rain	Composite	40	7.9	453.1	10.62	7.3	0.30	673.1		125	0.38
1NE-outfall	04/04/2016 09:15		Base	Grab	32	10.1	914.0	10.29	7.9	0.60	1272.0	> 100	381	0.01
1NE-outfall	04/20/2016 21:56	04/21/2016 21:26	Rain	Composite	50	14.2	547.0	8.41	7.4	0.34	689.0	10	119	0.32
1NE-outfall	04/24/2016 07:51	04/24/2016 14:00	Rain	Composite	60							10	38	0.46
1NE-outfall	04/25/2016 10:51	04/28/2016 20:20	Rain	Composite	47	7.0	144.3	10.07	7.6	0.10	220.1		45	0.24
1NE-outfall	05/02/2016 09:05		Base	Grab	55	15.0	1070.4	8.55	7.9	0.70	1316.6	67	359	1.11
1NE-outfall	05/19/2016 09:25		Base	Grab	60	14.9	1300.0	9.24	8.0	0.80	1606.1	20	336	1.85
1NE-outfall	05/23/2016 20:36	05/24/2016 02:00	Rain	Composite	75	21.0	306.6	4.20	7.5	0.20	332.5		69	0.02
1NE-outfall	05/25/2016 10:15	05/25/2016 15:00	Rain	Composite	75	21.6	262.1	3.61	7.4	0.10	280.4		55	0.06
1NE-outfall	05/27/2016 10:51	05/27/2016 18:00	Rain	Composite	70	21.7	595.0	6.40	7.6	0.30	634.6		85	0.36
1NE-outfall	05/28/2016 16:05	05/28/2016 19:10	Rain	Composite	71	21.5	418.0	5.61	7.6	0.20	447.8		126	0.49
1NE-outfall	06/02/2016 10:23		Base	Grab	61	13.6	1095.9	9.62	8.0	0.70	1404.6	> 100	380	0.55
1NE-outfall	06/03/2016 14:20	06/03/2016 19:05	Rain	Composite	68	17.7	377.3	3.89	7.5	0.20	438.3		112	0.19
1NE-outfall	06/09/2016 02:05	06/09/2016 08:25	Rain	Composite	75	18.8	385.4	7.95	7.7	0.20	437.6	21	54	0.26
1NE-outfall	06/13/2016 00:20	06/13/2016 10:45	Rain	Composite	70	22.3	247.0	7.12	7.9	0.10	260.4		13	0.33
1NE-outfall	06/14/2016 12:55	06/15/2016 05:55	Rain	Composite	70							13	44	0.11
1NE-outfall	06/16/2016 09:15		Base	Grab	66	15.6	1061.8	9.30	8.0	0.70	1293.2	> 100	342	0.17
1NE-outfall	07/05/2016 09:47		Base	Grab	79	16.0	1088.6	9.03	8.2	0.70	1314.0	> 100	326	0.15
1NE-outfall	07/05/2016 18:00	07/05/2016 20:20	Rain	Composite	72							9	326	0.21
1NE-outfall	07/27/2016 14:00	07/27/2016 20:55	Rain	Composite	70	19.2	764.1	8.03	8.6	0.4	858.6	11	24	0.10

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 1NE-outfall January - July continued

Station	Sample Start	Sample End	Carbonaceous					E. coli (MPN/ 100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	
			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)
1NE-outfall	01/06/2016 09:40		0.4	14	119.0	0.02	0.02	0.01		516	0.87	2.07	0.04
1NE-outfall	02/05/2016 09:35		0.7	13	229.3	0.01	0.01	0.01		564	0.68	1.80	0.02
1NE-outfall	02/17/2016 09:35		0.4	5	180.9	0.01	0.01	0.01	38	540	0.68	1.30	0.02
1NE-outfall	02/19/2016 10:44	02/20/2016 01:39			394.7	0.13		0.86		164	5.80	0.55	0.07
1NE-outfall	03/01/2016 09:25		0.3	10	134.4	0.04	0.02	0.01		516	0.43	1.30	0.02
1NE-outfall	03/18/2016 09:15		2.4	34	122.0	0.04	0.03	0.07	39	396	1.70	1.68	0.04
1NE-outfall	03/30/2016 00:06	03/31/2016 02:56		73	69.5	0.01		0.21		236	2.20	0.81	0.05
1NE-outfall	04/04/2016 09:15		1.0	5	132.3	0.09	0.01	0.02		520	0.48	1.59	0.02
1NE-outfall	04/20/2016 21:56	04/21/2016 21:26	6.4	59	69.7	0.03	0.02	0.26		240	2.40	0.66	0.09
1NE-outfall	04/24/2016 07:51	04/24/2016 14:00	6.6	110	25.9	0.05	0.03	0.48		72	2.80	0.30	0.04
1NE-outfall	04/25/2016 10:51	04/28/2016 20:20	7.7	76	27.4	0.05	0.04	0.26		80	1.80	0.34	0.04
1NE-outfall	05/02/2016 09:05		1.1	25	123.0	0.01	0.01	0.05		596	2.50	0.92	0.12
1NE-outfall	05/19/2016 09:25		1.6	40	106.4	0.04	0.01	0.08		448	3.75	1.42	0.32
1NE-outfall	05/23/2016 20:36	05/24/2016 02:00		297	48.0	0.10		1.01		128	6.10	0.03	0.02
1NE-outfall	05/25/2016 10:15	05/25/2016 15:00	19.0	157	42.3	0.11	0.04	0.61		116	3.50	0.27	0.07
1NE-outfall	05/27/2016 10:51	05/27/2016 18:00			40.8	0.08		0.22		144	1.60	0.49	0.09
1NE-outfall	05/28/2016 16:05	05/28/2016 19:10			53.6	0.06		0.17			2.00	0.58	0.11
1NE-outfall	06/02/2016 10:23		1.4	25	113.3	0.05	0.01	0.05		536	1.50	0.73	0.17
1NE-outfall	06/03/2016 14:20	06/03/2016 19:05		73	44.3	0.13		0.32		152	1.80	0.57	0.26
1NE-outfall	06/09/2016 02:05	06/09/2016 08:25	9.5	80	33.9	0.08	0.06	0.39		56	2.50	0.81	0.07
1NE-outfall	06/13/2016 00:20	06/13/2016 10:45	7.4	52	30.9	0.08	0.06	0.30		104	1.90	0.78	0.09
1NE-outfall	06/14/2016 12:55	06/15/2016 05:55	5.2	83	24.1	0.03	0.03	0.30		88	1.70	0.41	0.07
1NE-outfall	06/16/2016 09:15		1.4	19	111.6	0.01	0.01	0.05		544	0.89	0.85	0.13
1NE-outfall	07/05/2016 09:47		1.3	15	119.9	0.01	0.01	0.01		500	0.37	1.26	0.02
1NE-outfall	07/05/2016 18:00	07/05/2016 20:20	8.5	55	12.8	0.09	0.09	0.35		52	1.80	0.41	0.04
1NE-outfall	07/27/2016 14:00	07/27/2016 20:55	4.9	71	7.4	0.03	0.02	0.42		244	2.90	0.37	0.05

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 1NE-outfall January - July continued

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	01/06/2016 09:40		173.0	0.9	0.0001	0.0003	0.0014	0.0001	0.0025	0.0151	852	4.5	1	1
1NE-outfall	02/05/2016 09:35		198.0	0.4							1010	4.4	1	1
1NE-outfall	02/17/2016 09:35		168.0	0.4	0.0001	0.0002	0.0013	0.0002	0.0038	0.0025	938	3.7	1	1
1NE-outfall	02/19/2016 10:44	02/20/2016 01:39	17.5								742	11.9	328	104
1NE-outfall	03/01/2016 09:25		9.3	0.5	0.0001	0.0001	0.0025	0.0003	0.0038	0.0141	827	3.4	1	1
1NE-outfall	03/18/2016 09:15		135.0	2.7							700	12.0	4	3
1NE-outfall	03/30/2016 00:06	03/31/2016 02:56	96.7								385	10.3	77	23
1NE-outfall	04/04/2016 09:15		154.0	0.6	0.0001	0.0001	0.0014	0.0002	0.0038	0.0051	812	4.2	2	1
1NE-outfall	04/20/2016 21:56	04/21/2016 21:26	120.0	9.1							409	4.3	60	29
1NE-outfall	04/24/2016 07:51	04/24/2016 14:00	9.0	14.0	0.0002	0.0085	0.0246	0.0236	0.0065	0.1260	97	3.2	301	83
1NE-outfall	04/25/2016 10:51	04/28/2016 20:20	19.8	11.0							129	6.2	109	54
1NE-outfall	05/02/2016 09:05		295.0	1.5							102	11.4	3	2
1NE-outfall	05/19/2016 09:25		467.0	2.2	0.0001	0.0001	0.0014	0.0001	0.0017	0.0141	1210		2	1
1NE-outfall	05/23/2016 20:36	05/24/2016 02:00	9.7								169	28.0	462	200
1NE-outfall	05/25/2016 10:15	05/25/2016 15:00	9.0	24.0							151	12.4	378	154
1NE-outfall	05/27/2016 10:51	05/27/2016 18:00	59.5								266	11.2	34	15
1NE-outfall	05/28/2016 16:05	05/28/2016 19:10									386		33	11
1NE-outfall	06/02/2016 10:23		255.0	0.8							950	8.9	1	1
1NE-outfall	06/03/2016 14:20	06/03/2016 19:05	34.3		0.0001	0.0024	0.0107	0.0034	0.0025	0.0442	280	10.4	45	21
1NE-outfall	06/09/2016 02:05	06/09/2016 08:25	16.2	9.7							164	13.3	125	52
1NE-outfall	06/13/2016 00:20	06/13/2016 10:45	14.8	9.4	0.0001	0.0030	0.0113	0.0070	0.0028	0.0618	157	9.6	67	22
1NE-outfall	06/14/2016 12:55	06/15/2016 05:55	15.1	9.2	0.0002	0.0063	0.0153	0.0158	0.0047	0.0998	148	6.4	77	23
1NE-outfall	06/16/2016 09:15		216.0	1.2	0.0001	0.0005	0.0015	0.0002	0.0032	0.0122	855	6.3	2	1
1NE-outfall	07/05/2016 09:47		156.0	1.1							844	6.4	1	1
1NE-outfall	07/05/2016 18:00	07/05/2016 20:20	4.4	13.0	0.0003	0.0075	0.0225	0.0236	0.0061	0.1200	61	7.1	202	54
1NE-outfall	07/27/2016 14:00	07/27/2016 20:55	5.6	6.6	0.0002	0.0062	0.0125	0.0178	0.0051	0.0827	57	6.3	154	34

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 1NE-outfall August - November

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	08/01/2016 09:45		Base	Grab	75	19.0	1184.2	8.30	8.0	0.70	1337.8	> 100	366	0.05
1NE-outfall	08/04/2016 07:15	08/04/2016 09:50	Rain	Composite	74							9	18	0.06
1NE-outfall	08/10/2016 20:30	08/11/2016 02:35	Rain	Composite	73							32	24	0.04
1NE-outfall	08/15/2016 10:25	08/15/2016 10:25	Base	Grab	75	19.3	1241.1	8.18	7.9	0.70	1391.7		349	1.33
1NE-outfall	08/16/2016 18:35	08/16/2016 19:45	Rain	Composite	71								30	0.01
1NE-outfall	08/19/2016 02:25	08/19/2016 05:45	Rain	Composite	68								41	0.08
1NE-outfall	08/19/2016 20:35	08/19/2016 21:40	Rain	Composite	70								25	0.05
1NE-outfall	08/20/2016 09:05	08/20/2016 10:35	Rain	Composite	70								47	0.24
1NE-outfall	08/23/2016 22:55	08/24/2016 02:25	Rain	Composite									36	0.01
1NE-outfall	08/30/2016 01:00	08/30/2016 03:20	Rain	Composite	70								35	0.06
1NE-outfall	09/01/2016 09:30		Base	Grab	64	18.9	1281.3	8.08	8.0	0.70	1448.5	> 100	348	1.20
1NE-outfall	09/05/2016 01:15	09/05/2016 06:25	Rain	Composite	65								37	0.02
1NE-outfall	09/06/2016 04:20	09/06/2016 18:00	Rain	Composite	65							25	29	0.06
1NE-outfall	09/14/2016 09:30		Base	Grab	53	15.1	1022.0	9.41	7.8	0.63	1260.0	> 100	359	0.01
1NE-outfall	09/15/2016 17:40	09/15/2016 20:50	Rain	Composite	65								34	0.01
1NE-outfall	09/21/2016 16:40	09/22/2016 01:05	Rain	Composite	65							9	28	0.13
1NE-outfall	10/06/2016 20:30	10/06/2016 22:20	Rain	Composite	42								49	0.15
1NE-outfall	10/11/2016 09:30		Base	Grab	65	15.4	1211.9	8.78	7.8	0.80	1484.3	99	379	1.15
1NE-outfall	10/21/2016 09:35		Base	Grab	42	12.9	1183.5	9.34	7.9	0.80	1538.4	94	358	0.78
1NE-outfall	10/25/2016 21:35	10/26/2016 08:20	Rain	Composite	45								84	0.09
1NE-outfall	11/01/2016 09:42		Base	Grab	52	13.5	1211.0	9.97	7.5	0.79	1551.0	38	356	1.57
1NE-outfall	11/17/2016 10:15		Base	Grab	48	13.8	1094.6	9.77	8.0	0.70	1396.9	> 100	376	0.13
1NE-outfall	11/18/2016 08:19	11/18/2016 23:29	Rain	Composite	27							11	60	0.58
1NE-outfall	11/22/2016 15:00	11/23/2016 00:30	Rain	Composite	51								162	0.32
1NE-outfall	11/23/2016 04:30	11/24/2016 00:00	Rain	Composite	51								120	0.32
1NE-outfall	12/25/2016 13:25	12/26/2016 02:55	Rain	Composite	19							16	21	0.29
1NE-outfall	12/02/2016 09:42		Base	Grab	32	9.9	827.0	10.28	7.9	0.58	1163.0	> 100	35	0.06
1NE-outfall	12/20/2016 09:30		Base	Grab	34	8.4	1109.9	10.36	7.9	0.80	1625.0	16	384	1.83

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 1NE-outfall August - November 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/ mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
1NE-outfall	08/01/2016 09:45		1.0	18	120.2	0.03	0.01	0.01		524	0.44	1.46	0.02
1NE-outfall	08/04/2016 07:15	08/04/2016 09:50		56	3.6	0.06		0.35		40	1.60	0.28	0.02
1NE-outfall	08/10/2016 20:30	08/11/2016 02:35	5.4	40	5.7	0.07	0.05	0.20		40	1.10	0.30	0.02
1NE-outfall	08/15/2016 10:25	08/15/2016 10:25	1.8	48	95.2	0.06	0.02	0.17		576	3.60	2.09	0.16
1NE-outfall	08/16/2016 18:35	08/16/2016 19:45			7.8	0.04	0.03	0.54			2.10	0.33	0.07
1NE-outfall	08/19/2016 02:25	08/19/2016 05:45	9.2	26	15.8	0.05	0.04	0.23		28	1.30	0.55	0.05
1NE-outfall	08/19/2016 20:35	08/19/2016 21:40			5.0	0.04	0.04	0.14			0.75	0.25	0.02
1NE-outfall	08/20/2016 09:05	08/20/2016 10:35		26	16.5	0.03		0.08		96	0.87	0.32	0.05
1NE-outfall	08/23/2016 22:55	08/24/2016 02:25	4.8	38	8.6	0.05	0.04	0.18		44	0.78	0.25	0.02
1NE-outfall	08/30/2016 01:00	08/30/2016 03:20	8.8		12.5	0.04	0.02	0.29			1.70	0.34	0.04
1NE-outfall	09/01/2016 09:30		1.0	24	89.2	0.04	0.02	0.06		588	2.20	1.51	0.38
1NE-outfall	09/05/2016 01:15	09/05/2016 06:25		63	13.6	0.07		0.44		60	1.60	0.19	0.07
1NE-outfall	09/06/2016 04:20	09/06/2016 18:00		46	7.8	0.05		0.19		72	1.40	0.36	0.03
1NE-outfall	09/14/2016 09:30		1.1	10	101.0	0.01	0.01	0.01		484	0.48	2.23	0.02
1NE-outfall	09/15/2016 17:40	09/15/2016 20:50	6.7	46	7.9	0.09	0.08	0.24		40	1.00	0.28	0.02
1NE-outfall	09/21/2016 16:40	09/22/2016 01:05	5.6	94	4.0	0.03	0.03	0.41		52	1.80	0.30	0.04
1NE-outfall	10/06/2016 20:30	10/06/2016 22:20	9.2	115	8.6	0.10	0.08	0.22		68	1.10	0.17	0.03
1NE-outfall	10/11/2016 09:30		0.8	29	92.2	0.05	0.01	0.06		672	2.50	1.97	0.23
1NE-outfall	10/21/2016 09:35		1.5	22	87.0	0.01	0.01	0.04		700	2.00	1.54	0.16
1NE-outfall	10/25/2016 21:35	10/26/2016 08:20		107	23.5	0.43		0.68		140	1.50	0.22	0.04
1NE-outfall	11/01/2016 09:42		2.9	33	98.6	0.01	0.01	0.06		740	2.80	1.17	0.20
1NE-outfall	11/17/2016 10:15		0.8	17	113.3	0.02	0.01	0.02		548	0.49	1.90	0.02
1NE-outfall	11/18/2016 08:19	11/18/2016 23:29		126	52.0	0.31		0.58		124	2.20	0.48	0.06
1NE-outfall	11/22/2016 15:00	11/23/2016 00:30		68	145.4	0.04		0.29		328	2.30	0.94	0.08
1NE-outfall	11/23/2016 04:30	11/24/2016 00:00		60	634.6	0.07		0.25		292	2.00	0.64	0.05
1NE-outfall	12/25/2016 13:25	12/26/2016 02:55		49	130.0	0.11		0.20		36	1.00	0.27	0.02
1NE-outfall	12/02/2016 09:42		7.0	22	82.9	0.01	0.01	0.14		488	1.50	1.74	0.02
1NE-outfall	12/20/2016 09:30		1.0	25	108.4	0.01	0.01	0.07	956	788	3.70	1.39	0.10

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 1NE-outfall August - November continued

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	08/01/2016 09:45		130.0	1.1							783	3.9	1	1
1NE-outfall	08/04/2016 07:15	08/04/2016 09:50	3.9								37	5.7	103	24
1NE-outfall	08/10/2016 20:30	08/11/2016 02:35	5.2	6.5							53	6.6	25	7
1NE-outfall	08/15/2016 10:25	08/15/2016 10:25	219.0	1.6							861	16.5	5	2
1NE-outfall	08/16/2016 18:35	08/16/2016 19:45		9.1							77	9.2	348	63
1NE-outfall	08/19/2016 02:25	08/19/2016 05:45	4.2	9.0							108	10.1	51	19
1NE-outfall	08/19/2016 20:35	08/19/2016 21:40									54	6.8	39	12
1NE-outfall	08/20/2016 09:05	08/20/2016 10:35	42.1								160	5.6	18	7
1NE-outfall	08/23/2016 22:55	08/24/2016 02:25	11.8	9.3	0.0001	0.0019	0.0108	0.0042	0.0017	0.0399	82	7.3	44	13
1NE-outfall	08/30/2016 01:00	08/30/2016 03:20		4.0							93	7.3	112	34
1NE-outfall	09/01/2016 09:30		271.0	1.2	0.0001	0.0002	0.0014	0.0001	0.0021	0.0081	944	9.5	1	1
1NE-outfall	09/05/2016 01:15	09/05/2016 06:25	10.9		0.0001	0.0037	0.0203	0.0098	0.0035	0.1110	102	8.5	121	41
1NE-outfall	09/06/2016 04:20	09/06/2016 18:00	12.8		0.0001	0.0027	0.0096	0.0076	0.0028	0.0441	83	5.4	76	25
1NE-outfall	09/14/2016 09:30		130.0	1.0							774	3.8	1	1
1NE-outfall	09/15/2016 17:40	09/15/2016 20:50	5.4	9.4							69	8.2	48	20
1NE-outfall	09/21/2016 16:40	09/22/2016 01:05	5.0	7.9							53	7.6	214	48
1NE-outfall	10/06/2016 20:30	10/06/2016 22:20	13.8	9.4	0.0001	0.0033	0.0107	0.0083	0.0028	0.0654	93	14.0	58	22
1NE-outfall	10/11/2016 09:30		277.0	0.9	0.0001	0.0003	0.0016	0.0002	0.0027	0.0081	954	11.2	2	1
1NE-outfall	10/21/2016 09:35		277.0	1.8							886	9.1	3	2
1NE-outfall	10/25/2016 21:35	10/26/2016 08:20	44.6								240	31.5	37	19
1NE-outfall	11/01/2016 09:42		388.0	2.8							1120	10.7	10	5
1NE-outfall	11/17/2016 10:15		149.0	0.7							778	4.7	1	1
1NE-outfall	11/18/2016 08:19	11/18/2016 23:29	27.8								247	26.7	131	49
1NE-outfall	11/22/2016 15:00	11/23/2016 00:30	136.0								566	12.1	39	24
1NE-outfall	11/23/2016 04:30	11/24/2016 00:00	110.0		0.0001	0.0059	0.0106	0.0068	0.0031	0.0663	873	12.6	39	19
1NE-outfall	12/25/2016 13:25	12/26/2016 02:55	7.8								250	6.8	52	16
1NE-outfall	12/02/2016 09:42		139.0	5.2	0.0001	0.0003	0.0019	0.0002	0.0033	0.0059	734	4.9	6	6
1NE-outfall	12/20/2016 09:30		379.0	2.1							1110	11.2	14	6

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 10SA January - September

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	01/06/2016 10:15		Base	Grab	30	5.8	1176.0	12.61	8.4	0.94	1854.0	> 100	395	0.06
10SA	01/22/2016 09:30		Base	Grab	20	4.6	1452.0	12.69	8.1	1.22	2382.0	85	376	0.13
10SA	02/05/2016 10:20		Base	Grab	11	3.7	4027.0	11.96	8.1	3.68	6790.0	90	349	0.17
10SA	02/17/2016 10:10		Base	Grab	20	3.6	3721.0	12.44	8.2	3.40	6293.0	36	232	0.28
10SA	02/18/2016 14:40	02/21/2016 10:40	Melt	Composite	30	3.8	1240.0	14.87	7.3	1.06	2083.0	14	63	0.78
10SA	03/15/2016 16:30	03/16/2016 08:00	Rain	Composite	40	10.6	462.9	10.43	7.5	0.30	639.4	10	52	0.20
10SA	03/18/2016 09:55		Base	Grab	33	5.8	1038.7	11.54	7.8	0.80	1637.5	87	217	0.20
10SA	03/29/2016 23:50	03/30/2016 13:45	Rain	Composite	40	7.9	307.4	10.70	7.5	0.20	456.6		50	0.14
10SA	04/04/2016 09:45		Base	Grab	32	6.7	1132.0	11.26	8.0	0.90	1738.3	> 100	278	0.02
10SA	04/20/2016 20:30	04/21/2016 16:30	Rain	Composite	55	13.2	385.7	8.69	7.7	0.30	498.3	20	66	0.25
10SA	04/24/2016 06:41	04/24/2016 22:31	Rain	Composite	60	12.8	211.9	9.40	7.7	0.10	275.9	18	49	0.42
10SA	04/27/2016 17:31	04/29/2016 05:26	Rain	Composite	48	9.1	217.2	10.88	7.9	0.10	311.4		67	0.09
10SA	05/02/2016 09:45		Base	Grab	55	12.1	810.9	10.07	8.2	0.50	1074.3	56	285	0.02
10SA	05/19/2016 10:03		Base	Grab	60	13.8	1143.0	9.36	8.3	0.70	1448.5	> 100	346	0.02
10SA	05/25/2016 10:16	05/25/2016 18:21	Rain	Composite	75	20.7	329.8	6.22	7.6	0.20	359.6		23	0.08
10SA	05/27/2016 11:31	05/27/2016 17:51	Rain	Composite	70	22.1	203.1	5.96	7.5	0.10	215.1		46	0.24
10SA	06/02/2016 10:58		Base	Grab	64	15.3	938.3	8.30	8.2	0.60	1149.3	> 100	272	0.02
10SA	06/16/2016 09:40		Base	Grab	71	18.6	413.4	8.74	8.4	0.20	470.9	> 100	122	0.02
10SA	07/18/2016 11:13		Base	Grab	75	20.5	424.8	7.30	8.8	0.20	464.8	> 100	135	0.02
10SA	08/01/2016 10:30		Base	Grab	75	22.4	815.4	7.95	8.3	0.40	857.3	> 100	233	0.02
10SA	08/15/2016 11:05		Base	Grab	75	21.3	980.4	7.95	8.2	0.50	1054.3	> 100	315	0.05
10SA	08/16/2016 17:37	08/16/2016 20:27	Rain	Composite	72									0.13
10SA	08/19/2016 03:02	08/19/2016 08:27	Rain	Composite	71									0.12
10SA	08/19/2016 20:32	08/20/2016 02:42	Rain	Composite	70								46	0.07
10SA	08/20/2016 08:37	08/20/2016 16:02	Rain	Composite	70								68	0.04
10SA	08/23/2016 23:17	08/24/2016 07:02	Rain	Composite	74								50	0.02
10SA	08/30/2016 00:42	08/30/2016 09:07	Rain	Composite	70								55	0.09
10SA	09/01/2016 10:10		Base	Grab	65	21.3	664.1	6.55	8.2	0.40	715.7	> 100	204	0.04
10SA	09/05/2016 04:20	09/05/2016 16:00	Rain	Composite	70								49	0.02
10SA	09/14/2016 08:55		Base	Grab	50	19.8	1005.2	7.52	8.1	0.60	1115.8	> 100	316	0.12

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 10SA January - September continued

Station	Sample Start	Sample End	Carbonaceous					Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total		
			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)
10SA	01/06/2016 10:15		1.0	23	341.3	0.08	0.05	0.06		484	1.10	1.84	0.05
10SA	01/22/2016 09:30		1.6	30	465.3	0.08	0.05	0.12	2420	532	1.40	1.52	0.08
10SA	02/05/2016 10:20		2.1	43	2106.7	0.05	0.02	0.12		472	1.40	1.52	0.12
10SA	02/17/2016 10:10		1.7	70	1794.9	0.04	0.03	0.19	7400	448	1.70	1.52	0.17
10SA	02/18/2016 14:40	02/21/2016 10:40		110	487.7	0.18		0.35		72	3.20	0.50	0.06
10SA	03/15/2016 16:30	03/16/2016 08:00	3.7	73	157.3	0.06	0.04	0.18		88	1.40	0.35	0.04
10SA	03/18/2016 09:55		2.7	26	376.0	0.07	0.04	0.09	1553	288	1.30	0.90	0.03
10SA	03/29/2016 23:50	03/30/2016 13:45		62	95.7	0.05		0.17		56	1.30	0.35	0.03
10SA	04/04/2016 09:45		2.1	20	372.7	0.06	0.03	0.07		388	1.20	1.25	0.03
10SA	04/20/2016 20:30	04/21/2016 16:30	4.2	50	102.8	0.03	0.02	0.16		72	1.50	0.43	0.05
10SA	04/24/2016 06:41	04/24/2016 22:31	4.5	67	48.3	0.03	0.02	0.25		52	2.00	0.37	0.03
10SA	04/27/2016 17:31	04/29/2016 05:26	2.1	11	44.6	0.03	0.03	0.08		56	0.67	0.45	0.03
10SA	05/02/2016 09:45		2.1	13	158.3	0.02	0.01	0.09		348	1.10	1.59	0.03
10SA	05/19/2016 10:03		1.6	14	295.8	0.08	0.04	0.08		456	0.94	2.24	0.04
10SA	05/25/2016 10:16	05/25/2016 18:21			40.9	0.07		0.40		124	2.40	0.25	0.03
10SA	05/27/2016 11:31	05/27/2016 17:51			26.0	0.10		0.17		44	1.20	0.32	0.04
10SA	06/02/2016 10:58		2.5	30	187.6	0.07	0.07	0.15		348	1.00	1.09	0.04
10SA	06/16/2016 09:40		4.7	31	62.4	0.09	0.06	0.17		120	1.00	0.50	0.03
10SA	07/18/2016 11:13		2.3	30	55.6	0.09	0.08	0.13		144	0.66	0.42	0.03
10SA	08/01/2016 10:30		0.8	24	98.4	0.13	0.12	0.13		240	0.60	1.06	0.03
10SA	08/15/2016 11:05		1.0	26	100.1	0.09	0.02	0.11		48	1.10	1.77	0.03
10SA	08/16/2016 17:37	08/16/2016 20:27	3.7		17.4	0.03	0.03	0.10			0.77	0.58	0.03
10SA	08/19/2016 03:02	08/19/2016 08:27			12.0	0.06	0.05	0.09			0.64	0.31	0.03
10SA	08/19/2016 20:32	08/20/2016 02:42		27	11.3	0.06		0.11		44	0.63	0.53	0.03
10SA	08/20/2016 08:37	08/20/2016 16:02		24	17.2	0.07		0.12		76	0.58	0.28	0.03
10SA	08/23/2016 23:17	08/24/2016 07:02	2.4	20	13.3	0.05	0.04	0.11		48	0.54	0.27	0.03
10SA	08/30/2016 00:42	08/30/2016 09:07	3.4	27	19.6	0.04	0.03	0.09		64	0.67	0.37	0.03
10SA	09/01/2016 10:10		1.2	21	65.8	0.08	0.07	0.11		232	0.73	0.93	0.03
10SA	09/05/2016 04:20	09/05/2016 16:00		28	16.0	0.04		0.11		56	1.00	0.29	0.03
10SA	09/14/2016 08:55		1.5	21	121.2	0.12	0.12	0.18		352	1.10	1.32	0.04

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 10SA January - September continued

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	01/06/2016 10:15		64.6	1.3	0.0001	0.0010	0.0025	0.0001	0.0025	0.0110	1020	7.6	1	1
10SA	01/22/2016 09:30		67.5	2.5							1295	8.2	8	4
10SA	02/05/2016 10:20		56.4	2.7							3630	5.9	2	2
10SA	02/17/2016 10:10		49.8	2.4	0.0001	0.0094	0.0699	0.0015	0.1600	0.0216	3340	8.0	260	16
10SA	02/18/2016 14:40	02/21/2016 10:40	10.9								832		88	38
10SA	03/15/2016 16:30	03/16/2016 08:00	8.5	5.8	0.0001	0.0076	0.0166	0.0066	0.0051	0.0811	341		102	33
10SA	03/18/2016 09:55		41.9	3.0							894	8.1	4	2
10SA	03/29/2016 23:50	03/30/2016 13:45	7.9								223		63	19
10SA	04/04/2016 09:45		54.7	2.0	0.0001	0.0012	0.0027	0.0002	0.0021	0.0046	936	8.0	3	2
10SA	04/20/2016 20:30	04/21/2016 16:30	9.8	6.0							260		44	16
10SA	04/24/2016 06:41	04/24/2016 22:31	5.4	6.0	0.0001	0.0065	0.0164	0.0075	0.0045	0.0696	132		96	22
10SA	04/27/2016 17:31	04/29/2016 05:26	8.7	2.7							177		16	6
10SA	05/02/2016 09:45		43.6	2.6							625	6.3	6	4
10SA	05/19/2016 10:03		60.7	1.3	0.0001	0.0004	0.0037	0.0002	0.0016	0.0065	857	7.8	2	2
10SA	05/25/2016 10:16	05/25/2016 18:21	10.3								179		179	74
10SA	05/27/2016 11:31	05/27/2016 17:51	5.2								117		30	12
10SA	06/02/2016 10:58		42.9	2.4							659	11.6	2	2
10SA	06/16/2016 09:40		15.2	3.8	0.0001	0.0005	0.0066	0.0005	0.0010	0.0025	262	6.3	11	9
10SA	07/18/2016 11:13		12.0	2.6							274	9.2	1	1
10SA	08/01/2016 10:30		29.7	1.0							466	6.0	1	1
10SA	08/15/2016 11:05		37.8	0.7							572	7.5	1	1
10SA	08/16/2016 17:37	08/16/2016 20:27		5.3									38	11
10SA	08/19/2016 03:02	08/19/2016 08:27		5.2										
10SA	08/19/2016 20:32	08/20/2016 02:42	3.9								94		20	5
10SA	08/20/2016 08:37	08/20/2016 16:02	5.5								139		7	3
10SA	08/23/2016 23:17	08/24/2016 07:02	4.4	4.3	0.0001	0.0010	0.0036	0.0009	0.0012	0.0102	93		14	4
10SA	08/30/2016 00:42	08/30/2016 09:07	6.4	8.3							129		14	6
10SA	09/01/2016 10:10		23.8	1.6	0.0001	0.0003	0.0103	0.0001	0.0010	0.0029	384	6.3	1	1
10SA	09/05/2016 04:20	09/05/2016 16:00	5.6		0.0001	0.0010	0.0055	0.0013	0.0014	0.0174	102		24	9
10SA	09/14/2016 08:55		39.0	1.9							617	7.0	3	2

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 10SA October - December

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	10/05/2016 02:28	10/05/2016 08:52	Rain	Composite	60								41	0.09
10SA	10/06/2016 20:47	10/07/2016 00:24	Rain	Composite	43								30	0.14
10SA	10/11/2016 10:05		Base	Grab	65	16.3	686.4	8.23	8.0	0.40	823.6	> 100	303	0.02
10SA	10/21/2016 10:00		Base	Grab	43	14.2	796.0	7.56	8.0	0.50	1005.0	> 100	292	0.02
10SA	10/25/2016 22:25	10/26/2016 08:25	Rain	Composite	45								61	0.06
10SA	11/01/2016 09:50		Base	Grab	58	14.9	318.5	8.11	8.2	0.20	394.7	53	104	0.03
10SA	11/17/2016 10:08		Base	Grab	48	12.8	936.5	9.65	8.2	0.60	1222.1	> 100	272	0.03
10SA	11/18/2016 09:21	11/18/2016 20:46	Rain	Composite	28								39	0.50
10SA	11/27/2016 02:35	11/27/2016 22:30	Rain	Composite	51								80	0.07
10SA	12/02/2016 11:05		Base	Grab	32	8.1	510.0	10.16	8.0	0.37	752.0	> 100	226	0.01
10SA	12/20/2016 10:35		Base	Grab	34	5.7	889.3	11.39	8.2	0.70	1410.6	> 100	395	0.03
10SA	12/25/2016 13:25	12/25/2016 21:10	Rain	Composite	19							13	32	0.29

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 10SA October - December continued

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 (mg/L)	Nitrite (mg/L)
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)								
10SA	10/05/2016 02:28	10/05/2016 08:52		28	9.9	0.06	0.05	0.12		28	0.70	0.26	0.02
10SA	10/06/2016 20:47	10/07/2016 00:24	3.9	25	5.4	0.07	0.06	0.14		24	0.69	0.23	0.02
10SA	10/11/2016 10:05		1.3	14	82.6	0.06	0.07	0.09		336	0.55	1.34	0.02
10SA	10/21/2016 10:00		1.6	16	82.6	0.12	0.12	0.14		372	0.56	0.72	0.02
10SA	10/25/2016 22:25	10/26/2016 08:25		53	16.4	0.20		0.28		72	0.72	0.30	0.02
10SA	11/01/2016 09:50		1.2	17	36.4	0.05	0.04	0.08	238	136	0.38	0.38	0.02
10SA	11/17/2016 10:08		0.9	16	156.2	0.05	0.05	0.07	2420	376	0.55	0.65	0.02
10SA	11/18/2016 09:21	11/18/2016 20:46		63	15.2	0.14		0.35		60	1.30	0.29	0.05
10SA	11/27/2016 02:35	11/27/2016 22:30		44	53.9	0.07		0.15		112	0.76	0.34	0.02
10SA	12/02/2016 11:05		1.7	18	85.6	0.09	0.07	0.11		268	0.57	1.14	0.02
10SA	12/20/2016 10:35		0.7	11	170.5	0.04	0.05	0.08	10	540	0.64	1.29	0.02
10SA	12/25/2016 13:25	12/25/2016 21:10		57	389.5	0.07		0.16		76	1.30	0.30	0.02

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 10SA October - December continued

Station	Sample Start	Sample End	Total Biological Oxygen Demand 5-day								Total Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	
			Sulfate (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					
10SA	10/05/2016 02:28	10/05/2016 08:52	4.5									90		27	12
10SA	10/06/2016 20:47	10/07/2016 00:24	2.9	4.4	0.0001	0.0021	0.0049	0.0023	0.0013	0.0222		53		26	9
10SA	10/11/2016 10:05		32.7	1.1	0.0001	0.0003	0.0084	0.0002	0.0011	0.0021		555	5.7	1	1
10SA	10/21/2016 10:00		34.8	1.2								500	7.2	1	1
10SA	10/25/2016 22:25	10/26/2016 08:25	6.8									129		13	8
10SA	11/01/2016 09:50		13.7	2.0								207	4.4	8	2
10SA	11/17/2016 10:08		48.0	0.8								620	7.5	1	1
10SA	11/18/2016 09:21	11/18/2016 20:46	5.9									87		58	23
10SA	11/27/2016 02:35	11/27/2016 22:30	11.3		0.0001	0.0026	0.0101	0.0030	0.0023	0.0378		204		37	16
10SA	12/02/2016 11:05		27.7	1.6	0.0001	0.0005	0.0026	0.0003	0.0013	0.0061		427	6.2	2	2
10SA	12/20/2016 10:35		50.3	1.0								796	7.3	1	1
10SA	12/25/2016 13:25	12/25/2016 21:10	6.4									715		53	20

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 4PP-outfall

Station	Sample Start	Sample Reason	Sample Type	Air	Water	Conductivity (µS/cm)	Dissolved	pH	Salinity (ppt)	Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	Carbonaceous
				Temperature (°F)	Temperature (°C)		Oxygen (mg/L)			Conductivity (µS/cm)			Nitrogen (mg/L)	Oxygen Demand 5-day (mg/L)
4PP-outfall	01/06/2016 10:50	Base	Grab	30	9.6	972.0	10.02	8.1	0.69	1376.0	> 100	294	0.03	0.3
4PP-outfall	01/22/2016 10:03	Base	Grab	20	10.4	1027.0	9.50	8.0	0.72	1424.0	9	292	0.01	1.1
4PP-outfall	02/05/2016 11:30	Base	Grab	11	10.5	1124.0	9.59	8.0	0.79	1555.0	46	287	0.01	0.6
4PP-outfall	02/17/2016 11:45	Base	Grab	20	10.4	1107.0	8.90	8.2	0.78	1534.0	43	280	0.11	0.6
4PP-outfall	03/01/2016 11:20	Base	Grab	20	7.9	852.8	10.34	7.9	0.60	1267.1	20	285	0.01	0.7
4PP-outfall	03/18/2016 11:20	Base	Grab	33	10.0	952.6	9.88	8.0	0.70	1335.9	20	244	0.01	0.9
4PP-outfall	05/19/2016 11:20	Base	Grab	60	13.6	1009.9	9.63	8.1	0.60	1290.2	74	284	0.04	0.9
4PP-outfall	06/02/2016 12:23	Base	Grab	68	13.0	1096.2	9.54	8.0	0.70	1421.1	> 100	292	0.07	0.9
4PP-outfall	06/16/2016 11:00	Base	Grab	72	16.1	1136.8	9.19	8.1	0.70	1367.4		294	0.06	0.4
4PP-outfall	07/05/2016 11:45	Base	Grab	81	18.0	1151.2	9.07	8.2	0.70	1326.8	> 100	300	0.05	0.8
4PP-outfall	08/01/2016 11:30	Base	Grab	75	18.6	1192.4	8.83	8.1	0.70	1358.8	> 100	287	0.04	0.8
4PP-outfall	09/01/2016 11:25	Base	Grab	70	16.2	1159.2	9.33	8.2	0.70	1395.1	> 100	292	0.05	0.7
4PP-outfall	09/14/2016 09:30	Base	Grab	50	14.5	1099.7	9.41	8.0	0.70	1372.9	> 100	280	0.01	0.7
4PP-outfall	10/21/2016 11:13	Base	Grab	42	12.1	1055.0	9.61	8.1	0.70	1400.8	> 100	275	0.03	0.6
4PP-outfall	11/01/2016 10:45	Base	Grab	52	12.4	997.0	9.73	7.8	0.66	1314.0	> 100	284	0.05	2.6
4PP-outfall	11/17/2016 12:10	Base	Grab	48	13.6	1199.7	9.27	8.0	0.80	1531.9	49	283	0.04	1.2
4PP-outfall	12/02/2016 12:10	Base	Grab	33	10.1	937.0	11.90	8.2	0.66	1309.0	50	254	0.05	1.1
4PP-outfall	12/20/2016 11:45	Base	Grab	34	8.5	1754.1	10.23	8.2	1.30	2560.1	18	255	0.10	1.7

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 4PP-outfall continued

Station	Sample Start	Chemical					E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total				Total Biological Oxygen Demand 5- day (mg/L)
		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)	Sulfate (mg/L)	
4PP-outfall	01/06/2016 10:50	7	218.4	0.03	0.02	0.03		516	0.36	0.94	0.02	87.0	0.4
4PP-outfall	01/22/2016 10:03	25	279.8	0.01	0.02	0.08	1	520	0.55	0.83	0.02	91.1	1.6
4PP-outfall	02/05/2016 11:30	10	283.7	0.01	0.02	0.05		500	0.39	0.99	0.02	87.6	0.8
4PP-outfall	02/17/2016 11:45	10	282.4	0.04	0.04	0.10	24	496	0.56	1.03	0.02	89.3	0.7
4PP-outfall	03/01/2016 11:20	10	224.2	0.04	0.03	0.14		508	0.41	0.92	0.02	84.4	0.8
4PP-outfall	03/18/2016 11:20	7	218.5	0.04	0.03	0.15	2	492	0.75	0.77	0.02	89.7	0.6
4PP-outfall	05/19/2016 11:20	5	216.1	0.04	0.01	0.06		436	0.50	1.06	0.02	83.0	0.7
4PP-outfall	06/02/2016 12:23	9	239.5	0.02	0.02	0.05		448	0.43	1.13	0.02	85.7	0.7
4PP-outfall	06/16/2016 11:00	7	250.3	0.03	0.01	0.03		528	0.39	1.22	0.02	85.0	0.3
4PP-outfall	07/05/2016 11:45	8	247.1	0.03	0.02	0.03		484	0.26	0.99	0.02	86.2	0.5
4PP-outfall	08/01/2016 11:30	35	218.4	0.04	0.02	0.03		424	0.36	0.69	0.02	81.5	0.7
4PP-outfall	09/01/2016 11:25	5	186.4	0.04	0.02	0.04		468	0.32	0.93	0.02	82.6	0.3
4PP-outfall	09/14/2016 09:30	5	207.0	0.03	0.02	0.04		448	0.35	1.06	0.02	82.4	0.4
4PP-outfall	10/21/2016 11:13	5	190.0	0.03	0.02	0.03		512	0.24	1.05	0.02	81.6	0.4
4PP-outfall	11/01/2016 10:45	12	196.2	0.02	0.02	0.04		516	0.40	0.80	0.02	80.9	3.2
4PP-outfall	11/17/2016 12:10	13	236.7	0.02	0.02	0.07		504	0.33	1.34	0.02	83.1	0.7
4PP-outfall	12/02/2016 12:10	7	225.1	0.02	0.02	0.07		536	0.36	1.01	0.02	81.8	0.7
4PP-outfall	12/20/2016 11:45	5	590.5	0.03	0.04	0.16	4	572	0.58	1.09	0.02	81.7	1.7

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 4PP-outfall continued

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	01/06/2016 10:50	0.0001	0.0006	0.0108	0.0007	0.0025	0.0112	718	2.4	7	1
4PP-outfall	01/22/2016 10:03							810	2.6	102	8
4PP-outfall	02/05/2016 11:30							830	2.2	17	2
4PP-outfall	02/17/2016 11:45	0.0001	0.0032	0.0034	0.0013	0.0037	0.0067	835	2.2	39	2
4PP-outfall	03/01/2016 11:20	0.0001	0.0027	0.0025	0.0028	0.0059	0.0312	716	2.4	99	8
4PP-outfall	03/18/2016 11:20							766	1.0	111	4
4PP-outfall	05/19/2016 11:20	0.0001	0.0005	0.0018	0.0025	0.0026	0.0108	717	3.6	14	2
4PP-outfall	06/02/2016 12:23							778	3.6	1	1
4PP-outfall	06/16/2016 11:00	0.0001	0.0005	0.0009	0.0002	0.0018	0.0059	776	2.5	1	1
4PP-outfall	07/05/2016 11:45							784	3.6	2	1
4PP-outfall	08/01/2016 11:30							696	2.5	1	1
4PP-outfall	09/01/2016 11:25	0.0001	0.0002	0.0009	0.0001	0.0018	0.0022	734	2.9	1	1
4PP-outfall	09/14/2016 09:30							735	2.4	1	1
4PP-outfall	10/21/2016 11:13							729	2.4	1	1
4PP-outfall	11/01/2016 10:45							701	3.1	5	3
4PP-outfall	11/17/2016 12:10							760	3.7	17	3
4PP-outfall	12/02/2016 12:10	0.0001	0.0034	0.0022	0.0017	0.0029	0.0105	707	2.3	75	4
4PP-outfall	12/20/2016 11:45							1270	2.8	92	4

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 6UMN-outfall January - August

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air	Water	Dissolved			Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	
					Temperature (°F)	Temperature (°C)	Conductivity (µS/cm)	Oxygen (mg/L)	pH	Salinity (ppt)			Conductivity (µS/cm)	Nitrogen (mg/L)
6UMN-outfall	01/06/2016 11:35		Base	Grab	30	7.9	848.0	11.35	8.3	0.63	1260.0	> 100	312	0.03
6UMN-outfall	01/22/2016 10:35		Base	Grab	20	7.5	817.0	11.01	8.2	0.61	1228.0	> 100	307	0.01
6UMN-outfall	02/05/2016 10:50		Base	Grab	11	6.2	972.0	11.50	8.2	0.76	1516.0	> 100	331	0.01
6UMN-outfall	02/17/2016 10:50		Base	Grab	20	7.2	842.0	13.39	8.2	0.64	1274.0	> 100	328	0.03
6UMN-outfall	03/01/2016 10:20		Base	Grab	20	6.2	793.6	11.39	8.0	0.60	1238.5	> 100	322	0.01
6UMN-outfall	04/20/2016 21:08	04/21/2016 02:33	Rain	Composite	50	12.9	265.0	7.38	7.4	0.20	345.1	14	74	0.28
6UMN-outfall	04/21/2016 09:05	04/21/2016 11:17	Rain	Composite	50	10.7	184.7	10.18	7.9	0.10	254.1	14	41	0.28
6UMN-outfall	04/24/2016 07:01	04/24/2016 13:40	Rain	Composite	60	12.7	91.9	9.62	7.7	0.10	120.1	12	27	0.52
6UMN-outfall	04/27/2016 13:41	04/28/2016 09:33	Rain	Composite	50	9.8	270.6	10.77	8.0	0.20	381.4	15	89	0.10
6UMN-outfall	05/19/2016 10:36		Base	Grab	60	13.0	933.1	9.82	8.2	0.60	1205.4		310	0.01
6UMN-outfall	05/25/2016 09:58	05/25/2016 13:46	Rain	Composite	75	21.4	273.6	3.46	7.5	0.10	293.6		68	0.05
6UMN-outfall	05/27/2016 11:08	05/27/2016 18:07	Rain	Composite	70	21.5	292.5	7.13	7.6	0.20	313.3		70	0.12
6UMN-outfall	05/28/2016 15:43	05/28/2016 18:31	Rain	Composite	70	21.5	223.6	5.29	7.5	0.10	239.8		51	0.09
6UMN-outfall	06/02/2016 11:41		Base	Grab	77	13.8	960.3	9.86	8.3	0.60	1218.7	> 100	322	0.01
6UMN-outfall	06/09/2016 03:51	06/09/2016 05:19	Rain	Composite	74	19.2	416.4	8.17	7.9	0.20	467.8	7	16	0.31
6UMN-outfall	06/13/2016 05:38	06/13/2016 07:54	Rain	Composite	70	20.3	66.4	8.64	8.8	0.00	73.0	18	22	0.44
6UMN-outfall	06/14/2016 17:53	06/14/2016 19:38	Rain	Composite	70							17	20	0.14
6UMN-outfall	06/16/2016 10:20		Base	Grab	71	16.8	984.1	9.63	8.3	0.60	1167.3	> 100	306	0.02
6UMN-outfall	07/05/2016 10:50		Base	Grab	80	18.4	1017.6	9.41	8.3	0.60	1164.7	> 100	338	0.05
6UMN-outfall	07/05/2016 18:05	07/05/2016 18:57	Rain	Composite	75								18	0.19
6UMN-outfall	07/10/2016 05:43	07/10/2016 10:31	Rain	Composite	81								89	0.04
6UMN-outfall	08/01/2016 11:00		Base	Grab	75	19.2	1105.3	9.20	8.2	0.60	1243.4	> 100	297	0.04
6UMN-outfall	08/04/2016 07:18	08/04/2016 08:19	Rain	Composite	71							28	26	0.15
6UMN-outfall	08/10/2016 20:23	08/10/2016 21:53	Rain	Composite	75							23	13	0.14
6UMN-outfall	08/16/2016 17:24	08/16/2016 18:19	Rain	Composite	75							12	13	0.34
6UMN-outfall	08/23/2016 23:01	08/24/2016 00:29	Rain	Composite	72								13	0.01

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 6UMN-outfall January - August continued

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 (mg/L)	Nitrite (mg/L)
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)								
6UMN-outfall	01/06/2016 11:35		0.5	6	173.9	0.04	0.01	0.01		484	0.40	1.29	0.02
6UMN-outfall	01/22/2016 10:35		0.5	8	156.0	0.01	0.01	0.03	1	468	0.53	0.99	0.02
6UMN-outfall	02/05/2016 10:50		0.6	6	268.6	0.01	0.02	0.03		448	0.36	0.99	0.02
6UMN-outfall	02/17/2016 10:50		0.4	8	170.7	0.01	0.01	0.02	13	460	0.37	0.95	0.02
6UMN-outfall	03/01/2016 10:20		0.6	5	214.6	0.01	0.02	0.02		460	0.56	1.06	0.02
6UMN-outfall	04/20/2016 21:08	04/21/2016 02:33	6.1	73	43.2	0.07	0.07	0.26		100	1.80	0.49	0.06
6UMN-outfall	04/21/2016 09:05	04/21/2016 11:17			19.6	0.04	0.03	0.24			1.80	0.58	0.06
6UMN-outfall	04/24/2016 07:01	04/24/2016 13:40		78	10.1	0.04		0.27		40	2.00	0.41	0.03
6UMN-outfall	04/27/2016 13:41	04/28/2016 09:33			45.0	0.06	0.05	0.12		128	0.74	0.33	0.05
6UMN-outfall	05/19/2016 10:36		1.8	10	178.8	0.03	0.01	0.03		428	0.45	1.22	0.02
6UMN-outfall	05/25/2016 09:58	05/25/2016 13:46	43.0	186	41.2	0.04	0.01	0.85		160	4.80	0.09	0.04
6UMN-outfall	05/27/2016 11:08	05/27/2016 18:07		54	35.8	0.07		0.16			1.40	0.58	0.07
6UMN-outfall	05/28/2016 15:43	05/28/2016 18:31		63	27.4	0.02		0.17		84	1.20	0.36	0.02
6UMN-outfall	06/02/2016 11:41		0.9	7	161.3	0.02	0.02	0.03		480	0.23	0.85	0.02
6UMN-outfall	06/09/2016 03:51	06/09/2016 05:19	7.2	109	4.9	0.09	0.07	0.38		80	2.05	0.38	0.02
6UMN-outfall	06/13/2016 05:38	06/13/2016 07:54	3.8	48	4.0	0.05	0.04	0.16		128	1.30	0.39	0.03
6UMN-outfall	06/14/2016 17:53	06/14/2016 19:38	2.6	59	4.9	0.01	0.02	0.19		52	0.91	0.27	0.02
6UMN-outfall	06/16/2016 10:20		0.4	8	171.8	0.06	0.07	0.05		428	0.30	0.91	0.02
6UMN-outfall	07/05/2016 10:50		1.4	6	167.6	0.01	0.02	0.05		416	0.22	0.83	0.02
6UMN-outfall	07/05/2016 18:05	07/05/2016 18:57	5.4	58	4.9	0.07	0.06	0.22		40	1.30	0.30	0.02
6UMN-outfall	07/10/2016 05:43	07/10/2016 10:31		54	53.2	0.12		0.20		124	1.20	0.73	0.14
6UMN-outfall	08/01/2016 11:00		1.0	13	171.4	0.03	0.02	0.02		448	0.29	0.74	0.02
6UMN-outfall	08/04/2016 07:18	08/04/2016 08:19		43	12.7	0.05		0.19		68	1.10	0.40	0.02
6UMN-outfall	08/10/2016 20:23	08/10/2016 21:53	3.4	26	3.5	0.06	0.04	0.11		20	0.57	0.26	0.02
6UMN-outfall	08/16/2016 17:24	08/16/2016 18:19	3.4	39	2.4	0.03	0.03	0.17		40	1.08	0.33	0.02
6UMN-outfall	08/23/2016 23:01	08/24/2016 00:29	3.3	34	5.0	0.05	0.03	0.18		36	0.70	0.12	0.02

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 6UMN-outfall January - August continued

Station	Sample Start	Sample End	Total Biological Oxygen Demand 5-								Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
			Sulfate (mg/L)	day (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Nickel (mg/L)	Total					
6UMN-outfall	01/06/2016 11:35		69.0	0.4	0.0001	0.0002	0.0007	0.0002	0.0025	0.0099	675	2.5	2	1	
6UMN-outfall	01/22/2016 10:35		62.0	0.4							674	2.2	2	1	
6UMN-outfall	02/05/2016 10:50		64.5	0.5							810	2.4	1	1	
6UMN-outfall	02/17/2016 10:50		64.9	0.3	0.0001	0.0002	0.0008	0.0002	0.0050	0.0025	700	2.1	1	1	
6UMN-outfall	03/01/2016 10:20		66.5	0.3	0.0001	0.0003	0.0025	0.0003	0.0074	0.0114	712	2.1	3	1	
6UMN-outfall	04/20/2016 21:08	04/21/2016 02:33	15.7	7.4							176		64	27	
6UMN-outfall	04/21/2016 09:05	04/21/2016 11:17											103	45	
6UMN-outfall	04/24/2016 07:01	04/24/2016 13:40	3.9		0.0003	0.0078	0.0261	0.0157	0.0058	0.1320	54		99	27	
6UMN-outfall	04/27/2016 13:41	04/28/2016 09:33	16.5										34	12	
6UMN-outfall	05/19/2016 10:36		68.2	1.1	0.0001	0.0001	0.0011	0.0002	0.0048	0.0051	718	3.0	2	1	
6UMN-outfall	05/25/2016 09:58	05/25/2016 13:46	16.4	49.0							182		385	150	
6UMN-outfall	05/27/2016 11:08	05/27/2016 18:07	14.4								178		40	15	
6UMN-outfall	05/28/2016 15:43	05/28/2016 18:31	10.2								132		70	26	
6UMN-outfall	06/02/2016 11:41		67.9	0.5							695	3.1	1	1	
6UMN-outfall	06/09/2016 03:51	06/09/2016 05:19	2.9	9.6							48		211	61	
6UMN-outfall	06/13/2016 05:38	06/13/2016 07:54	2.8	4.9	0.0001	0.0063	0.0157	0.0122	0.0048	0.0855	42		94	22	
6UMN-outfall	06/14/2016 17:53	06/14/2016 19:38	3.2	4.7	0.0002	0.0060	0.0166	0.0151	0.0045	0.0902	46		82	21	
6UMN-outfall	06/16/2016 10:20		64.5	0.5	0.0001	0.0009	0.0013	0.0003	0.0045	0.0039	660	2.5	8	1	
6UMN-outfall	07/05/2016 10:50		67.2	1.2							686	3.6	6	6	
6UMN-outfall	07/05/2016 18:05	07/05/2016 18:57	64.2	6.7	0.0003	0.0074	0.0200	0.0165	0.0050	0.1030	45		109	28	
6UMN-outfall	07/10/2016 05:43	07/10/2016 10:31	21.4								245		22	10	
6UMN-outfall	08/01/2016 11:00		65.1	0.5							655	3.2	1	1	
6UMN-outfall	08/04/2016 07:18	08/04/2016 08:19	6.8								61		63	18	
6UMN-outfall	08/10/2016 20:23	08/10/2016 21:53	2.9	3.8							32		25	6	
6UMN-outfall	08/16/2016 17:24	08/16/2016 18:19	2.0	4.6	0.0001	0.0059	0.0129	0.0128	0.0034	0.0622	31		105	21	
6UMN-outfall	08/23/2016 23:01	08/24/2016 00:29	2.7	5.2	0.0001	0.0019	0.0060	0.0056	0.0018	0.0363	41		62	12	

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 6UMN-outfall September - November

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air	Water	Conductivity (μ S/cm)	Dissolved	Salinity (ppt)	Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	
					Temperature (°F)	Temperature (°C)		Oxygen (mg/L)		pH			Conductivity (μ S/cm)	Nitrogen (mg/L)
6UMN-outfall	09/01/2016 10:50		Base	Grab	69	17.7	1064.9	8.73	8.2	0.60	1236.4	> 100	278	0.02
6UMN-outfall	09/06/2016 04:15	09/06/2016 07:04	Rain	Composite	70								23	0.01
6UMN-outfall	09/14/2016 10:15		Base	Grab	56	14.9	980.5	9.41	8.1	0.60	1216.3	> 100	298	0.02
6UMN-outfall	09/21/2016 16:33	09/22/2016 00:55	Rain	Composite	65								31	0.20
6UMN-outfall	10/05/2016 01:59	10/05/2016 07:21	Rain	Composite	58								34	0.16
6UMN-outfall	10/06/2016 20:30	10/06/2016 22:37	Rain	Composite	43								26	0.23
6UMN-outfall	10/11/2016 10:52		Base	Grab	65	14.0	1062.2	9.39	8.2	0.70	1343.6	> 100	333	0.03
6UMN-outfall	10/17/2016 17:05	10/17/2016 22:50	Rain	Composite	55								107	0.06
6UMN-outfall	10/21/2016 10:36		Base	Grab	42	12.2	956.5	9.77	8.2	0.60	1265.3	> 100	310	0.04
6UMN-outfall	10/25/2016 20:00	10/26/2016 14:30	Rain	Composite	43								67	0.08
6UMN-outfall	11/01/2016 10:13		Base	Grab	52	12.6	904.0	10.49	8.0	0.59	1183.0	> 100	328	0.02
6UMN-outfall	11/17/2016 11:40		Base	Grab	48	13.0	1022.4	11.02	8.2	0.70	1326.7	> 100	314	0.04
6UMN-outfall	11/18/2016 08:30	11/18/2016 13:43	Rain	Composite	36								41	0.16
6UMN-outfall	11/22/2016 12:30	11/22/2016 22:30	Rain	Composite	51								120	0.10
6UMN-outfall	11/23/2016 03:30	11/23/2016 14:00	Rain	Composite	51								89	0.07
6UMN-outfall	11/23/2016 20:00	11/24/2016 09:30	Rain	Composite	51								157	0.03
6UMN-outfall	11/28/2016 15:30	11/28/2016 19:00	Rain	Composite	36								28	0.39

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 6UMN-outfall September - November continued

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 (mg/L)	Nitrite (mg/L)
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)										
6UMN-outfall	09/01/2016 10:50		0.8	10	167.1	0.04	0.02	0.07		456	0.41	1.18	0.02		
6UMN-outfall	09/06/2016 04:15	09/06/2016 07:04		60	5.3	0.01		0.19		44	1.00	0.23	0.02		
6UMN-outfall	09/14/2016 10:15		0.6	5	150.6	0.04	0.03	0.06		428	0.35	1.11	0.04		
6UMN-outfall	09/21/2016 16:33	09/22/2016 00:55	4.0	49	3.8	0.03	0.03	0.17		48	1.10	0.28	0.02		
6UMN-outfall	10/05/2016 01:59	10/05/2016 07:21	5.6	25	5.4	2.66	2.85	3.03		52	0.69	0.31	0.02		
6UMN-outfall	10/06/2016 20:30	10/06/2016 22:37	5.1	34	6.7	0.24	0.26	0.32		32	0.79	0.20	0.02		
6UMN-outfall	10/11/2016 10:52		0.7	8	164.1	0.04	0.03	0.06		560	0.28	1.14	0.02		
6UMN-outfall	10/17/2016 17:05	10/17/2016 22:50	9.4	95	42.9	0.22	0.21	0.47		180	1.70	0.70	0.04		
6UMN-outfall	10/21/2016 10:36		0.8	5	146.1	0.04	0.04	0.05		472	0.29	1.09	0.02		
6UMN-outfall	10/25/2016 20:00	10/26/2016 14:30		42	24.7	0.10		0.20		92	0.64	0.18	0.04		
6UMN-outfall	11/01/2016 10:13		1.1	6	138.8	0.04	0.01	0.02		516	0.24	0.81	0.02		
6UMN-outfall	11/17/2016 11:40		1.0	11	161.6	0.01	0.01	0.01		504	0.25	1.03	0.02		
6UMN-outfall	11/18/2016 08:30	11/18/2016 13:43		110	15.1	0.13		0.46		80	2.30	0.44	0.09		
6UMN-outfall	11/22/2016 12:30	11/22/2016 22:30		66	316.1	0.08		0.30		208	1.50	0.38	0.02		
6UMN-outfall	11/23/2016 03:30	11/23/2016 14:00		74	808.1	0.11		0.23		164	1.30	0.48	0.02		
6UMN-outfall	11/23/2016 20:00	11/24/2016 09:30		30	122.8	0.08		0.15		292	0.58	0.72	0.02		
6UMN-outfall	11/28/2016 15:30	11/28/2016 19:00	6.7	86	18.4	0.07	0.05	0.27		80	1.40	0.31	0.02		

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 6UMN-outfall September - November continued

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological Oxygen Demand 5- day (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)
				Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)							
6UMN-outfall	09/01/2016 10:50		82.2	0.8	0.0001	0.0004	0.0017	0.0011	0.0042	0.0055	679	3.4	16	2	
6UMN-outfall	09/06/2016 04:15	09/06/2016 07:04	3.6		0.0002	0.0045	0.0143	0.0149	0.0036	0.0846	50		62	21	
6UMN-outfall	09/14/2016 10:15		68.7	0.9							662	3.5	1	1	
6UMN-outfall	09/21/2016 16:33	09/22/2016 00:55	3.5	5.5							37		91	22	
6UMN-outfall	10/05/2016 01:59	10/05/2016 07:21	4.2	7.4							69		32	12	
6UMN-outfall	10/06/2016 20:30	10/06/2016 22:37	4.9	6.9	0.0001	0.0021	0.0063	0.0044	0.0017	0.0411	63		34	15	
6UMN-outfall	10/11/2016 10:52		76.6	0.7	0.0001	0.0002	0.0009	0.0004	0.0042	0.0039	704	2.5	5	1	
6UMN-outfall	10/17/2016 17:05	10/17/2016 22:50	22.8	9.6							230		97	31	
6UMN-outfall	10/21/2016 10:36		69.3	0.7							672	3.1	1	2	
6UMN-outfall	10/25/2016 20:00	10/26/2016 14:30	13.0								155		21	10	
6UMN-outfall	11/01/2016 10:13		65.1	0.5							657	3.7	1	1	
6UMN-outfall	11/17/2016 11:40		68.3	0.8							655	3.8	1	1	
6UMN-outfall	11/18/2016 08:30	11/18/2016 13:43	9.9								132		114	40	
6UMN-outfall	11/22/2016 12:30	11/22/2016 22:30	25.8								628		54	24	
6UMN-outfall	11/23/2016 03:30	11/23/2016 14:00	17.3								1390		55	25	
6UMN-outfall	11/23/2016 20:00	11/24/2016 09:30	31.1								384		18	9	
6UMN-outfall	11/28/2016 15:30	11/28/2016 19:00	6.2	7.9	0.0002	0.0061	0.0167	0.0148	0.0045	0.1840	88		137	40	

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