

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