

2021 Stormwater Sample Data - 11CHF-outfall - January through July

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	01/05/2021 09:50		Base	Grab	22	5.4	1813	11.42	8.0	1.50	2895	> 100	265	0.12
11CHF-outfall	01/19/2021 09:40		Base	Grab	18	1.9	635	11.99	7.8	0.56	1135	> 100	308	0.16
11CHF-outfall	02/02/2021 09:45		Base	Grab	21	6.3	1583	11.35	8.4	1.27	2462	> 100	310	0.68
11CHF-outfall	02/22/2021 15:35	02/22/2021 15:35	Melt	Composite	40	0.5	8630	11.41	8.3	8.10	14145	2	63	2.19
11CHF-outfall	02/23/2021 13:05	02/23/2021 19:30	Melt	Composite	32								64	2.40
11CHF-outfall	02/27/2021 11:55	02/27/2021 15:05	Melt	Composite	14								36	0.99
11CHF-outfall	03/02/2021 14:55	03/02/2021 20:05	Melt	Composite	34								29	0.87
11CHF-outfall	03/03/2021 12:45	03/03/2021 19:40	Melt	Composite	45	8.5	546	10.80	8.7	0.39	798		52	0.66
11CHF-outfall	03/10/2021 11:45	03/10/2021 17:55	Rain	Composite	40								24	0.72
11CHF-outfall	03/23/2021 16:20	03/23/2021 21:50	Rain	Composite	39								22	0.35
11CHF-outfall	03/24/2021 03:50	03/24/2021 06:40	Rain	Composite	39								13	0.17
11CHF-outfall	03/27/2021 14:49	03/27/2021 19:05	Rain	Composite	41								27	0.34
11CHF-outfall	04/06/2021 09:25		Base	Grab	55							25	58	0.84
11CHF-outfall	04/06/2021 17:35	04/07/2021 02:05	Rain	Composite	55								23	0.69
11CHF-outfall	04/20/2021 10:00		Base	Grab	38	8.3	988	12.04	8.1	0.73	1453	> 100	352	0.06
11CHF-outfall	04/27/2021 17:25	04/27/2021 21:55	Rain	Composite	43								27	0.74
11CHF-outfall	05/04/2021 08:05		Base	Grab	44	10.2	844	10.10	8.6	0.59	1176	> 100	298	< 0.06
11CHF-outfall	05/18/2021 08:35		Base	Grab	70	14.7	932	9.79	7.5	0.58	1161	> 100	310	< 0.06
11CHF-outfall	05/19/2021 20:40	05/20/2021 04:00	Rain	Composite									49	< 0.06
11CHF-outfall	05/20/2021 09:35	05/20/2021 14:30	Rain	Composite									51	< 0.06
11CHF-outfall	05/25/2021 01:50	05/25/2021 03:40	Rain	Composite	68								23	0.26
11CHF-outfall	06/15/2021 08:48		Base	Grab	71	14.3	970	9.61	7.3	0.61	1219	> 100	303	< 0.06
11CHF-outfall	06/20/2021 15:10	06/20/2021 20:50	Rain	Composite	55								37	0.20
11CHF-outfall	06/27/2021 06:40	06/27/2021 12:25	Rain	Composite									54	0.13
11CHF-outfall	06/28/2021 13:05	06/28/2021 18:00	Rain	Composite									27	0.27
11CHF-outfall	07/08/2021 09:10		Base	Grab	64	17.1	443	8.70	7.8	0.25	522	40	153	0.17
11CHF-outfall	07/20/2021 08:55		Base	Grab	77	18.7	898	9.04	7.3	0.51	1020	> 100	299	< 0.06

2021 Stormwater Sample Data - 11CHF-outfall - August through 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)
11CHF-outfall	08/03/2021 09:00		Base	Grab	73	15.8	792	9.07	7.5	0.48	960	> 100	258	< 0.06
11CHF-outfall	08/17/2021 08:55		Base	Grab	75	19.4	799	8.83	7.4	0.44	894	> 100	273	0.12
11CHF-outfall	08/26/2021 18:35	08/26/2021 19:15	Rain	Composite	65								10	0.08
11CHF-outfall	08/28/2021 23:30	08/29/2021 01:15	Rain	Composite	75								12	0.14
11CHF-outfall	09/02/2021 22:50	09/03/2021 07:00	Rain	Composite	60								16	0.19
11CHF-outfall	09/07/2021 08:20		Base	Grab	66	18.3	573	9.15	6.9	0.32	658	> 100	132	0.13
11CHF-outfall	09/17/2021 02:25	09/17/2021 05:03	Rain	Composite									22	0.25
11CHF-outfall	09/20/2021 14:15	09/20/2021 15:50	Rain	Composite	62								12	0.18
11CHF-outfall	09/22/2021 08:45		Base	Grab	53	15.9	755	9.00	6.8	0.45	914	78	293	< 0.06
11CHF-outfall	10/19/2021 08:30		Base	Grab		14.6	861	9.66	7.2	0.54	1076	> 100	164	< 0.06
11CHF-outfall	10/20/2021 12:05	10/20/2021 16:15	Rain	Composite									18	0.27
11CHF-outfall	10/20/2021 21:15	10/20/2021 22:40	Rain	Composite									24	0.41
11CHF-outfall	11/02/2021 09:10		Base	Grab	33	9.7	527	10.44	7.0	0.37	745	> 100	229	0.14
11CHF-outfall	11/10/2021 18:35	11/11/2021 09:25	Rain	Composite	35								49	0.33
11CHF-outfall	11/16/2021 10:10		Base	Grab	35	7.4	660	11.17	6.8	0.49	993	> 100	299	0.15
11CHF-outfall	12/15/2021 00:30	12/15/2021 10:10	Melt	Composite	18								34	0.38
11CHF-outfall	12/17/2021 10:10		Base	Grab	13	3.4	373	12.33	8.4	0.31	634	10	46	0.37

2021 Stormwater Sample Data - 11CHF-outfall - January through July continued

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11CHF-outfall	01/05/2021 09:50		1.3	22	747.0	~ 0.04	0.03	0.08		348	1.00	1.61	< 0.06
11CHF-outfall	01/19/2021 09:40		1.4	< 15	145.0	~ 0.04	0.02	0.09		342	0.79	1.68	< 0.06
11CHF-outfall	02/02/2021 09:45		1.0	< 15	657.0	~ 0.03	0.02	0.07		353	2.10	1.74	0.06
11CHF-outfall	02/22/2021 15:35	02/22/2021 15:35			5470.0	0.13		2.17			12.00	0.76	0.19
11CHF-outfall	02/23/2021 13:05	02/23/2021 19:30	> 26.0	1170	3510.0	0.31	0.21	0.56		171	10.00	0.64	0.20
11CHF-outfall	02/27/2021 11:55	02/27/2021 15:05		99	401.0	0.32		0.55		< 45	3.30		
11CHF-outfall	03/02/2021 14:55	03/02/2021 20:05	12.0	90	491.0	0.33	0.27	0.50		< 45	3.40	0.34	0.08
11CHF-outfall	03/03/2021 12:45	03/03/2021 19:40	6.9	93	216.0	0.34	0.29	0.50		< 45	3.10	0.34	< 0.06
11CHF-outfall	03/10/2021 11:45	03/10/2021 17:55	14.0	364	83.6	0.12	0.08	0.92		< 45	5.40	0.45	0.07
11CHF-outfall	03/23/2021 16:20	03/23/2021 21:50	13.0	88	69.5	0.13	0.11	0.28		< 45	1.60	0.41	< 0.06
11CHF-outfall	03/24/2021 03:50	03/24/2021 06:40	6.8	58	21.7	0.11	0.09	0.23		< 45	1.10	< 0.20	< 0.06
11CHF-outfall	03/27/2021 14:49	03/27/2021 19:05		24	42.9	0.09		0.24		< 45	1.10	0.39	< 0.06
11CHF-outfall	04/06/2021 09:25		> 8.2	64	139.0	0.11	0.08	0.37		51	2.70	0.65	< 0.06
11CHF-outfall	04/06/2021 17:35	04/07/2021 02:05	11.0	226	30.6	0.07	0.05	0.54		< 45	3.40	0.41	< 0.06
11CHF-outfall	04/20/2021 10:00		0.8	< 15	188.0	0.22	0.02	0.07	461	490	0.70	2.40	< 0.06
11CHF-outfall	04/27/2021 17:25	04/27/2021 21:55	6.6	41	19.6	0.05	0.04	0.13		< 45	1.50	0.41	< 0.06
11CHF-outfall	05/04/2021 08:05		0.5	< 15	167.0	~ 0.04	0.02	0.07		325	0.76	2.37	< 0.06
11CHF-outfall	05/18/2021 08:35		0.7	< 15	170.0	~ 0.05	0.01	~ 0.04	3	395	0.43	2.09	< 0.06
11CHF-outfall	05/19/2021 20:40	05/20/2021 04:00	21.0	186	39.4	0.11	0.04	0.85		71	5.60	< 0.20	< 0.06
11CHF-outfall	05/20/2021 09:35	05/20/2021 14:30	15.0	87	33.2	0.06	0.03	0.36		< 45	2.10	0.22	< 0.06
11CHF-outfall	05/25/2021 01:50	05/25/2021 03:40	> 8.0	289	9.6	0.21	0.13	1.11		< 45	6.90	0.45	0.07
11CHF-outfall	06/15/2021 08:48		0.8	< 15	175.0	~ 0.05	0.04	0.10	30	396	0.51	2.64	< 0.06
11CHF-outfall	06/20/2021 15:10	06/20/2021 20:50	> 24.0	204	26.9	0.25	0.12	0.98		< 45	5.80	0.39	0.13
11CHF-outfall	06/27/2021 06:40	06/27/2021 12:25		147	29.1	0.12		0.62		53	3.40	< 0.20	< 0.06
11CHF-outfall	06/28/2021 13:05	06/28/2021 18:00	13.0	169	6.5	0.08	0.04	0.65		< 45	3.60	0.50	< 0.06
11CHF-outfall	07/08/2021 09:10		5.6	53	50.4	0.16	0.04	0.32		178	1.40	0.76	0.07
11CHF-outfall	07/20/2021 08:55		0.9	< 15	141.0	~ 0.03	0.03	0.07		372	0.44	2.31	< 0.06

2021 Stormwater Sample Data - 11CHF-outfall - August through December continued

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11CHF-outfall	08/03/2021 09:00		0.6	< 15	108.0	0.05	0.03	0.10		306	0.40	2.30	< 0.06
11CHF-outfall	08/17/2021 08:55		0.8	< 15	95.4	~ 0.04	0.02	0.09	291	364	0.50	2.18	< 0.06
11CHF-outfall	08/26/2021 18:35	08/26/2021 19:15	3.9	24	5.0	~ 0.05	0.04	0.24		< 45	1.30	0.25	< 0.06
11CHF-outfall	08/28/2021 23:30	08/29/2021 01:15		< 15	5.0	~ 0.04	0.03	0.18		< 45	0.86	0.23	< 0.06
11CHF-outfall	09/02/2021 22:50	09/03/2021 07:00	6.8	46	6.8	0.14	0.08	0.19		< 45	1.00	0.42	< 0.06
11CHF-outfall	09/07/2021 08:20		2.5	30	114.0	0.11	0.07	0.21		174	1.30	2.74	0.10
11CHF-outfall	09/17/2021 02:25	09/17/2021 05:03	> 8.3	106	10.1	0.12	0.09	0.35		< 45	2.50	0.46	< 0.06
11CHF-outfall	09/20/2021 14:15	09/20/2021 15:50	7.0	71	5.0	~ 0.05	0.04	0.25		< 45	1.60	0.25	< 0.06
11CHF-outfall	09/22/2021 08:45		1.2	< 15	91.9	~ 0.03	0.02	0.08	3100	359	0.42	3.20	< 0.06
11CHF-outfall	10/19/2021 08:30		1.0	< 15	133.0	0.05	0.03	0.09	816	368	0.26	2.96	< 0.06
11CHF-outfall	10/20/2021 12:05	10/20/2021 16:15	> 26.0	137	14.9	0.29	0.27	0.64		< 45	3.00	0.55	0.08
11CHF-outfall	10/20/2021 21:15	10/20/2021 22:40	18.0	75	5.0	0.23	0.18	0.37		< 45	1.70	0.39	< 0.06
11CHF-outfall	11/02/2021 09:10		2.0	< 15	66.6	~ 0.04	0.03	0.12		297	0.62	2.12	< 0.06
11CHF-outfall	11/10/2021 18:35	11/11/2021 09:25		92	14.5	0.23		0.50		< 45	2.10	0.48	< 0.06
11CHF-outfall	11/16/2021 10:10		0.8	< 15	110.0	~ 0.03	0.02	0.07	101	306	0.61	2.30	< 0.06
11CHF-outfall	12/15/2021 00:30	12/15/2021 10:10	13.0	73	624.0	0.11	0.09	0.18		< 45	2.20	0.46	0.09
11CHF-outfall	12/17/2021 10:10		5.7	55	171.0	0.09	0.07	0.20		51	1.50	0.39	0.07

2021 Stormwater Sample Data - 11CHF-outfall - January through 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)
11CHF-outfall	01/05/2021 09:50		52.10	1.1	< 0.0001	0.0006	0.0017	0.0001	0.0027	0.0249	1530	1.7	~ 2	~ 1
11CHF-outfall	01/19/2021 09:40		54.70	1.0							645	2.3	4	< 1
11CHF-outfall	02/02/2021 09:45		58.20	0.5							1360	1.7	6	~ 1
11CHF-outfall	02/22/2021 15:35	02/22/2021 15:35									2230	8.4	680	103
11CHF-outfall	02/23/2021 13:05	02/23/2021 19:30	36.20	> 26.0							5380	8.7	179	48
11CHF-outfall	02/27/2021 11:55	02/27/2021 15:05	8.34								662	11.5	80	28
11CHF-outfall	03/02/2021 14:55	03/02/2021 20:05	7.97	13.0							860	7.2	60	23
11CHF-outfall	03/03/2021 12:45	03/03/2021 19:40	6.02	9.9	< 0.0001	0.0025	0.0136	0.0034	0.0027	0.0525	468	11.1	33	15
11CHF-outfall	03/10/2021 11:45	03/10/2021 17:55	6.33	26.0							206	9.0	546	226
11CHF-outfall	03/23/2021 16:20	03/23/2021 21:50	6.75	13.0							192	10.3	59	26
11CHF-outfall	03/24/2021 03:50	03/24/2021 06:40	3.35	7.4							74	4.2	50	23
11CHF-outfall	03/27/2021 14:49	03/27/2021 19:05	10.10								143	8.1	83	13
11CHF-outfall	04/06/2021 09:25		7.85	> 8.3	< 0.0001	0.0031	0.0100	0.0041	0.0031	0.0510	316	11.6	56	18
11CHF-outfall	04/06/2021 17:35	04/07/2021 02:05	3.21	15.0							84	9.8	641	113
11CHF-outfall	04/20/2021 10:00		144.00	0.7							858	2.5	~ 2	~ 1
11CHF-outfall	04/27/2021 17:25	04/27/2021 21:55	3.32	> 8.8							95	9.8	22	12
11CHF-outfall	05/04/2021 08:05		60.30	0.3	< 0.0001	< 0.0010	0.0030	< 0.0005	0.0023	0.0400	652	2.3	3	~ 2
11CHF-outfall	05/18/2021 08:35		61.40	0.8							677	3.8	~ 2	~ 1
11CHF-outfall	05/19/2021 20:40	05/20/2021 04:00	6.34	> 25.0							181	18.7	212	91
11CHF-outfall	05/20/2021 09:35	05/20/2021 14:30	6.09	19.0							148	15.9	53	30
11CHF-outfall	05/25/2021 01:50	05/25/2021 03:40	4.01	> 8.1							94	19.0	164	71
11CHF-outfall	06/15/2021 08:48		90.90	0.8							804	2.7	~ 1	~ 1
11CHF-outfall	06/20/2021 15:10	06/20/2021 20:50	4.70	> 26.0							140	21.2	237	103
11CHF-outfall	06/27/2021 06:40	06/27/2021 12:25	5.06								168	23.6	70	50
11CHF-outfall	06/28/2021 13:05	06/28/2021 18:00	2.42	19.0							61	11.5	567	120
11CHF-outfall	07/08/2021 09:10		24.20	6.9	< 0.0001	0.0012	0.0040	0.0019	0.0022	0.0217	290	12.4	13	8
11CHF-outfall	07/20/2021 08:55		55.00	0.7							592	2.9	~ 2	~ 1

2021 Stormwater Sample Data - 11CHF-outfall - August through December 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	08/03/2021 09:00		47.50	0.6	< 0.0001	< 0.0010	0.0015	0.0007	0.0020	0.0161	511	2.9	~ 2	~ 1
11CHF-outfall	08/17/2021 08:55		50.30	0.8							496	2.9	~ 2	~ 2
11CHF-outfall	08/26/2021 18:35	08/26/2021 19:15	0.75	5.3							14	3.2	155	53
11CHF-outfall	08/28/2021 23:30	08/29/2021 01:15	1.57								37	3.1	32	11
11CHF-outfall	09/02/2021 22:50	09/03/2021 07:00	1.92	> 8.7							56	10.5	24	11
11CHF-outfall	09/07/2021 08:20		19.40	3.2	< 0.0001	0.0011	0.0035	0.0011	0.0016	0.0122	365		11	6
11CHF-outfall	09/17/2021 02:25	09/17/2021 05:03	2.98	> 8.3							74	16.6	121	60
11CHF-outfall	09/20/2021 14:15	09/20/2021 15:50	1.34	> 8.7							32	8.3	79	29
11CHF-outfall	09/22/2021 08:45		52.60	1.3							535	2.6	6	3
11CHF-outfall	10/19/2021 08:30		56.50	0.6							619	2.4	6	~ 2
11CHF-outfall	10/20/2021 12:05	10/20/2021 16:15	3.61	> 25.0							130	29.5	74	37
11CHF-outfall	10/20/2021 21:15	10/20/2021 22:40	1.63	21.0							66	17.2	30	15
11CHF-outfall	11/02/2021 09:10		45.10	2.0	< 0.0001	< 0.0010	0.0021	< 0.0005	0.0017	0.0136	338	4.0	3	~ 2
11CHF-outfall	11/10/2021 18:35	11/11/2021 09:25	5.07	> 26.0							116	18.2	45	16
11CHF-outfall	11/16/2021 10:10		57.10	0.5							545	2.6	4	3
11CHF-outfall	12/15/2021 00:30	12/15/2021 10:10	5.67	14.0							914	7.1	28	14
11CHF-outfall	12/17/2021 10:10		7.27	6.8	< 0.0001	0.0036	0.0078	0.0040	0.0026	0.0525	308	6.4	37	14