

2020 Stormwater Sample Data - 11CHF-outfall

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	01/07/2020 08:50		Base	Grab	25	7.7	1045	11.05	8.4	0.79	1561	> 100	296	~ 0.04
11CHF-outfall	01/23/2020 09:20	01/23/2020 09:20	Melt	Grab	31	7.6	20776	9.54	6.5	19.18	31088	34	143	1.49
11CHF-outfall	02/04/2020 09:10		Base	Grab	10	6.1	910	11.30	7.5	0.71	1424	86	297	0.10
11CHF-outfall	02/18/2020 09:00		Base	Grab	18	6.7	1004	10.31	8.1	0.78	1542	> 100	291	0.10
11CHF-outfall	03/17/2020 14:25		Base	Grab	43	7.3	751	11.72	7.6	0.56	1133	> 100	251	~ 0.05
11CHF-outfall	03/19/2020 11:55	03/19/2020 16:05	Rain	Composite									366	0.18
11CHF-outfall	05/17/2020 00:25	05/17/2020 03:55	Rain	Composite	58								21	0.17
11CHF-outfall	05/22/2020 08:25		Base	Grab	62	13.7	1020	9.71	7.4	0.65	1299	> 100	319	< 0.02
11CHF-outfall	05/26/2020 19:30	05/26/2020 22:40	Rain	Composite		22.9	64	8.02	7.5	0.03	67		17	< 0.02
11CHF-outfall	05/26/2020 23:50	05/27/2020 01:25	Rain	Composite	61	23.1	62	7.39	8.4	0.03	64			~ 0.03
11CHF-outfall	06/02/2020 08:45		Base	Grab	84	14.5	846	11.10	8.1	0.52	1041	> 100	288	< 0.06
11CHF-outfall	06/16/2020 09:20		Base	Grab	78	17.5	749	8.98	7.3	0.43	875	52	269	< 0.06
11CHF-outfall	06/18/2020 17:30	06/18/2020 21:50	Rain	Composite	66								25	0.22
11CHF-outfall	06/28/2020 18:04	06/28/2020 18:49	Rain	Composite	70								29	0.07
11CHF-outfall	06/29/2020 23:05	06/30/2020 00:15	Rain	Composite	70								20	0.20
11CHF-outfall	07/07/2020 08:25	07/07/2020 09:40	Rain	Composite	79								21	0.41
11CHF-outfall	07/10/2020 08:05		Base	Grab	81	23.6	336	8.05	7.7	0.16	345	40	85	0.50
11CHF-outfall	07/18/2020 02:05	07/18/2020 09:35	Rain	Composite	77								53	0.32
11CHF-outfall	07/21/2020 06:30	07/21/2020 08:05	Rain	Composite									12	0.10
11CHF-outfall	07/29/2020 08:25		Base	Grab	75	17.1	772	8.86	8.0	0.45	910	> 100	277	< 0.06
11CHF-outfall	08/04/2020 09:25		Base	Grab	75	15.8	916	9.07	7.4	0.55	1111	> 100	278	< 0.06
11CHF-outfall	08/12/2020 10:20	08/12/2020 14:55	Rain	Composite	77								27	0.08
11CHF-outfall	08/12/2020 17:05	08/12/2020 17:50	Rain	Composite	77								13	0.28
11CHF-outfall	08/14/2020 14:05	08/14/2020 15:40	Rain	Composite	69								67	0.31
11CHF-outfall	09/15/2020 08:05		Base	Grab	64	16.6	748	8.93	8.0	0.44	892	> 100	253	< 0.06
11CHF-outfall	10/06/2020 09:10		Base	Grab	56							73	295	< 0.06
11CHF-outfall	10/11/2020 22:29	10/12/2020 06:20	Rain	Composite									20	< 0.06
11CHF-outfall	11/17/2020 08:50		Base	Grab	19	8.7	657	9.86	8.0	0.47	954	> 100	283	< 0.06
11CHF-outfall	12/01/2020 09:35		Base	Grab	22	7.6	671	10.98	7.8	0.50	1004	> 100	310	< 0.06
11CHF-outfall	12/15/2020 09:30		Base	Grab	12	2.7	661	11.85	7.8	0.57	1153	> 100	324	< 0.06

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)	Phosphorus (mg/L)	Phosphate (mg/L)								
11CHF-outfall	01/07/2020 08:50		0.9	~ 12	260.9	< 0.02	0.01	~ 0.05		371	0.45	2.04	< 0.06		
11CHF-outfall	01/23/2020 09:20	01/23/2020 09:20	> 9.0	160	11192.6	0.05	0.02	0.11	9700	350	2.50	1.37	0.28		
11CHF-outfall	02/04/2020 09:10		1.1	~ 14	235.6	~ 0.02	0.02	0.05		447	0.41	2.12	< 0.06		
11CHF-outfall	02/18/2020 09:00		0.7	~ 9	362.2	~ 0.03	~ 0.01	0.06	64	437	0.46	1.81	< 0.06		
11CHF-outfall	03/17/2020 14:25		1.3	15	164.9	~ 0.04	0.02	0.08	140	334	0.41	1.35	< 0.06		
11CHF-outfall	03/19/2020 11:55	03/19/2020 16:05	10.0	166	488.1	0.08	0.08	0.50		< 45	2.30	0.24	0.07		
11CHF-outfall	05/17/2020 00:25	05/17/2020 03:55	6.1	80	6.4	~ 0.03	0.04	0.39		< 45	2.40	< 0.20	< 0.06		
11CHF-outfall	05/22/2020 08:25		0.7	~ 8	187.1	~ 0.03	0.02	0.06	30	370	0.49	2.39	< 0.06		
11CHF-outfall	05/26/2020 19:30	05/26/2020 22:40	6.2	103	5.0	0.06	0.03	0.47		< 45	2.10	< 0.20	< 0.06		
11CHF-outfall	05/26/2020 23:50	05/27/2020 01:25			6.3	0.06	0.02	0.35			1.70	< 0.20	< 0.06		
11CHF-outfall	06/02/2020 08:45		0.8	~ 8	126.2	~ 0.04	0.03	0.07		361	0.46	1.96	< 0.06		
11CHF-outfall	06/16/2020 09:20		1.8	17	100.1	< 0.02	0.02	0.12	240	338	0.59	1.49	< 0.06		
11CHF-outfall	06/18/2020 17:30	06/18/2020 21:50	> 8.3	164	6.0	0.13	0.09	0.61		< 45	3.10	0.32	0.10		
11CHF-outfall	06/28/2020 18:04	06/28/2020 18:49		182	7.0	0.06		0.61		< 45	3.60	0.35	< 0.06		
11CHF-outfall	06/29/2020 23:05	06/30/2020 00:15		100	5.9	~ 0.02		0.31		< 45	1.80	0.35	< 0.06		
11CHF-outfall	07/07/2020 08:25	07/07/2020 09:40	5.2	139	5.2	0.15	0.11	0.60		< 45	3.00	0.44	0.07		
11CHF-outfall	07/10/2020 08:05		4.6	50	54.2	0.12	0.09	0.33		86	1.80	0.33	0.15		
11CHF-outfall	07/18/2020 02:05	07/18/2020 09:35		105	25.2	0.14	0.08	0.51		72	2.80	0.37	0.10		
11CHF-outfall	07/21/2020 06:30	07/21/2020 08:05		67	3.7	0.09		0.48		< 45	1.70	0.35	< 0.06		
11CHF-outfall	07/29/2020 08:25		1.0	~ 12	103.8	~ 0.04	0.02	0.07	214	375	0.48	1.70	< 0.06		
11CHF-outfall	08/04/2020 09:25		0.9	~ 13	147.0	< 0.02	0.02	~ 0.05		414	0.50	2.00	< 0.06		
11CHF-outfall	08/12/2020 10:20	08/12/2020 14:55	8.1	77	6.4	0.06	0.03	0.27		< 45	2.10	0.30	< 0.06		
11CHF-outfall	08/12/2020 17:05	08/12/2020 17:50	9.9	93	< 5.0	~ 0.03	0.02	0.27		< 45	1.80	0.42	< 0.06		
11CHF-outfall	08/14/2020 14:05	08/14/2020 15:40			15.3	~ 0.05	0.03	0.15			1.30	< 0.20	< 0.06		
11CHF-outfall	09/15/2020 08:05		1.0	~ 10	98.1	< 0.02	0.03	0.09	1120	332	0.35	1.64	< 0.06		
11CHF-outfall	10/06/2020 09:10		1.1	17	93.7	~ 0.03	0.02	0.20		419	0.63	1.72	< 0.06		
11CHF-outfall	10/11/2020 22:29	10/12/2020 06:20	24.0	98	7.7	0.21	0.16	0.40		< 45	1.50	0.23	< 0.06		
11CHF-outfall	11/17/2020 08:50		0.8	19	125.0	~ 0.02	0.01	0.07	411	314	0.42	1.40	< 0.06		
11CHF-outfall	12/01/2020 09:35		0.6	< 15	112.0	~ 0.03	0.02	0.08		312	0.33	1.73	< 0.06		
11CHF-outfall	12/15/2020 09:30		0.7	< 15	142.0	< 0.02	0.03	0.09	613	411	0.31	1.82	< 0.06		

2020 Stormwater Sample Data - 11CHF-outfall 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	01/07/2020 08:50		62.5	0.5	< 0.0001	~ 0.0004	~ 0.0009	< 0.0003	0.0021	0.0069	834	1.9	~ 1	~ 1
11CHF-outfall	01/23/2020 09:20	01/23/2020 09:20	29.1	> 9.0							17700	2.3	11	6
11CHF-outfall	02/04/2020 09:10		78.8	0.9	< 0.0001	~ 0.0003	0.0016	~ 0.0003	0.0053	0.0205	836	1.8	~ 2	~ 1
11CHF-outfall	02/18/2020 09:00		59.0	0.3							904	1.7	~ 2	~ 1
11CHF-outfall	03/17/2020 14:25		41.5	1.5							641	3.4	~ 2	~ 2
11CHF-outfall	03/19/2020 11:55	03/19/2020 16:05	4.7	15.0							152	8.0	214	85
11CHF-outfall	05/17/2020 00:25	05/17/2020 03:55	2.0	> 8.7							40	4.2	102	39
11CHF-outfall	05/22/2020 08:25		80.9	0.5	< 0.0001	0.0006	< 0.0050	~ 0.0003	0.0030	0.0101	757	2.6	~ 1	< 1
11CHF-outfall	05/26/2020 19:30	05/26/2020 22:40	1.9	> 8.6	~ 0.0001	0.0078	0.0136	0.0104	0.0059	0.1020	53	7.2	189	58
11CHF-outfall	05/26/2020 23:50	05/27/2020 01:25		7.3								5.3	207	52
11CHF-outfall	06/02/2020 08:45		47.6	0.4	< 0.0001	0.0005	0.0011	< 0.0003	0.0015	0.0046	593	3.1	< 1	< 1
11CHF-outfall	06/16/2020 09:20		53.2	1.8	< 0.0001	0.0006	0.0016	~ 0.0007	0.0020	0.0160	530	4.6	8	3
11CHF-outfall	06/18/2020 17:30	06/18/2020 21:50	2.8	> 8.2							65	13.5	228	68
11CHF-outfall	06/28/2020 18:04	06/28/2020 18:49	2.0		~ 0.0002	0.0090	0.0235	0.0176	0.0080	0.1880	70	16.0	217	91
11CHF-outfall	06/29/2020 23:05	06/30/2020 00:15	1.3		~ 0.0001	0.0050	0.0151	0.0116	0.0047	0.0949	57	6.8	169	53
11CHF-outfall	07/07/2020 08:25	07/07/2020 09:40	3.0	> 8.2							76	8.8	228	57
11CHF-outfall	07/10/2020 08:05		5.7	6.6	< 0.0001	0.0014	0.0096	0.0021	0.0021	0.0167	211	13.0	16	8
11CHF-outfall	07/18/2020 02:05	07/18/2020 09:35	6.2								142	16.1	82	32
11CHF-outfall	07/21/2020 06:30	07/21/2020 08:05	1.7								46	7.6	79	28
11CHF-outfall	07/29/2020 08:25		52.9	0.9							560	3.8	~ 2	~ 2
11CHF-outfall	08/04/2020 09:25		77.1	0.7	< 0.0001	0.0008	0.0012	< 0.0003	0.0029	0.0108	668	2.8	3	~ 2
11CHF-outfall	08/12/2020 10:20	08/12/2020 14:55	2.7	9.9							46	8.2	63	24
11CHF-outfall	08/12/2020 17:05	08/12/2020 17:50	2.3	9.9							36	5.2	140	50
11CHF-outfall	08/14/2020 14:05	08/14/2020 15:40										6.7	11	8
11CHF-outfall	09/15/2020 08:05		47.1	0.6							516	3.5	~ 2	~ 1
11CHF-outfall	10/06/2020 09:10		57.3	1.2							547	3.3	18	6
11CHF-outfall	10/11/2020 22:29	10/12/2020 06:20	5.5	> 26.0							78	19.8	50	28
11CHF-outfall	11/17/2020 08:50		49.4	0.7							559	2.7	3	~ 2
11CHF-outfall	12/01/2020 09:35		56.5	0.4	< 0.0005	< 0.0005	0.0015	< 0.0010	0.0020	0.0089	599	2.2	~ 2	~ 1
11CHF-outfall	12/15/2020 09:30		70.0	0.6							671	2.0	3	~ 1