

2022 Stormwater Sample Data - 1NE-outfall - January through August

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air	Water	Conductivity (µS/cm)	Dissolved	Salinity (ppt)	Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	
					Temperature (°F)	Temperature (°C)		Oxygen (mg/L)		Conductivity (µS/cm)			Nitrogen (mg/L)	
1NE-outfall	01/04/2022 10:30	01/04/2022 10:30	Base	Grab	26	7.4	732	10.49	7.5	0.55	1104	58	310	0.12
1NE-outfall	01/18/2022 09:05	01/18/2022 09:05	Base	Grab	28	7.9	773	11.23	7.8	0.57	1148	80	330	0.14
1NE-outfall	02/01/2022 10:00	02/01/2022 10:00	Base	Grab	18	5.7	844	11.04	7.77	0.67	1337	> 100	322	0.11
1NE-outfall	02/15/2022 08:50	02/15/2022 08:50	Base	Grab	15	2.2	894	12.78	8.11	0.79	1583	93	350	0.09
1NE-outfall	03/01/2022 08:55	03/01/2022 08:55	Base	Grab	32	4.8	1675	12.15	8.23	1.41	2728	15	300	0.72
1NE-outfall	03/05/2022 01:45	03/05/2022 03:00	Rain	Composite	19								125	1.91
1NE-outfall	03/15/2022 07:40	03/15/2022 07:40	Base	Grab	31	7.3	907	10.51	8.4	0.69	1369	42	323	0.18
1NE-outfall	03/16/2022 10:55	03/16/2022 18:45	Melt	Composite	38								62	1.35
1NE-outfall	03/22/2022 09:40	03/22/2022 18:30	Rain	Composite									54	0.32
1NE-outfall	03/30/2022 00:05	03/30/2022 23:55	Rain	Composite									73	0.56
1NE-outfall	04/03/2022 21:25	04/04/2022 06:45	Rain	Composite	33								87	0.46
1NE-outfall	04/05/2022 08:00	04/05/2022 08:00	Base	Grab	37	5.0	638	11.87	7.9	0.51	1032	50	208	0.27
1NE-outfall	04/05/2022 11:35	04/06/2022 03:30	Rain	Composite	30								46	0.32
1NE-outfall	04/12/2022 20:20	04/13/2022 00:45	Rain	Composite									51	0.84
1NE-outfall	04/19/2022 08:45	04/19/2022 08:45	Base	Grab	34	6.3	508	12.52	8.5	0.39	791	17	121	0.67
1NE-outfall	04/19/2022 08:46	04/19/2022 08:46	Base	Grab									125	0.68
1NE-outfall	05/03/2022 09:25	05/03/2022 09:25	Base	Grab	48	8.7	812	10.74	7.4	0.59	1180	83	277	0.15
1NE-outfall	05/19/2022 15:40	05/20/2022 00:30	Rain	Composite	55								60	0.35
1NE-outfall	05/25/2022 02:40	05/25/2022 13:10	Rain	Composite	50	10.6	243	7.99	8.2	0.16	335		62	< 0.06
1NE-outfall	06/07/2022 09:05	06/07/2022 09:05	Base	Grab	61	13.3	885	8.70	7.5	0.57	1141	65	264	0.24
1NE-outfall	06/15/2022 12:25	06/15/2022 18:10	Rain	Composite	65								77	< 0.06
1NE-outfall	06/21/2022 09:25	06/21/2022 09:25	Base	Grab		18.3	599	10.04	7.4	0.34	687	75	142	0.06
1NE-outfall	07/05/2022 08:20	07/05/2022 08:20	Base	Grab	75	20.7	1016	8.71	6.7	0.55	1107	75	307	< 0.06
1NE-outfall	07/19/2022 09:00	07/19/2022 09:00	Base	Grab	84	16.3	997	8.91	7.5	0.60	1196	> 100	332	0.07
1NE-outfall	07/19/2022 09:01	07/19/2022 09:01	Base	Grab									327	0.07
1NE-outfall	08/02/2022 08:20	08/02/2022 08:20	Base	Grab	74	18.5	1027	8.94	7.5	0.59	1172	84	300	< 0.06
1NE-outfall	08/06/2022 08:05	08/06/2022 12:20	Rain	Composite	63								77	0.14
1NE-outfall	08/07/2022 20:00	08/08/2022 00:30	Rain	Composite	63								35	< 0.06
1NE-outfall	08/16/2022 09:10	08/16/2022 09:10	Base	Grab	71	16.9	989	8.75	7.4	0.59	1171	66	311	< 0.06

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	09/06/2022 10:00	09/06/2022 10:00	Base	Grab		17.9	1035	8.96	7.0	0.60	1196	30	357	0.07
1NE-outfall	09/20/2022 10:40	09/20/2022 10:40	Base	Grab	75	17.8	1216	8.53	7.3	0.71	1410	> 100	337	< 0.06
1NE-outfall	10/04/2022 09:50	10/04/2022 09:50	Base	Grab	65	16.1	1188	10.21	7.2	0.72	1432	> 100	316	< 0.06
1NE-outfall	10/18/2022 10:00	10/18/2022 10:00	Base	Grab	31	10.7	1037	10.18	7.8	0.72	1425	82	330	0.09
1NE-outfall	11/01/2022 09:40	11/01/2022 09:40	Base	Grab	50	14.1	1094	9.09	7.0	0.70	1382	> 100	333	0.07
1NE-outfall	11/10/2022 05:50	11/10/2022 14:25	Rain	Composite	26								96	< 0.06
1NE-outfall	11/15/2022 10:30	11/15/2022 10:30	Base	Grab	32	7.8	2011	9.65	7.4	1.56	2998	20	247	0.38
1NE-outfall	12/06/2022 14:15	12/06/2022 14:15	Base	Grab	26	5.3	830	11.23	7.2	0.66	1329	64	342	0.10

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)
1NE-outfall	01/04/2022 10:30	01/04/2022 10:30	1.5	< 15	128.0	< 0.02	< 0.01	< 0.02	5	306	0.31	0.93	< 0.06
1NE-outfall	01/18/2022 09:05	01/18/2022 09:05	1.2	< 15	146.0	< 0.02	< 0.01	< 0.02		262	0.51	1.00	< 0.06
1NE-outfall	02/01/2022 10:00	02/01/2022 10:00	1.0	< 15	203.0	< 0.02	< 0.01	< 0.02	16	368	0.62	0.79	< 0.06
1NE-outfall	02/15/2022 08:50	02/15/2022 08:50	1.4	< 15	286.0	< 0.02	< 0.01	< 0.02		459	0.62	0.80	< 0.06
1NE-outfall	03/01/2022 08:55	03/01/2022 08:55	3.5	35	688.0	< 0.02	< 0.01	0.11	261	343	2.00	0.74	< 0.06
1NE-outfall	03/05/2022 01:45	03/05/2022 03:00		240	1500.0	0.06		0.59		194	6.40	1.19	0.15
1NE-outfall	03/15/2022 07:40	03/15/2022 07:40	3.1	24	224.0	< 0.02	0.01	0.05		478	0.85	0.91	< 0.06
1NE-outfall	03/16/2022 10:55	03/16/2022 18:45		92	236.0			0.79		92	4.10	0.42	0.08
1NE-outfall	03/22/2022 09:40	03/22/2022 18:30	7.9	149	133.0	0.11	0.07	0.58		75	2.10	0.32	0.08
1NE-outfall	03/30/2022 00:05	03/30/2022 23:55	8.5	78	257.0	0.07	0.05	0.29		101	1.80	0.64	0.07
1NE-outfall	04/03/2022 21:25	04/04/2022 06:45	7.6	73	211.0	0.07	0.04	0.39		111	2.00	0.66	0.06
1NE-outfall	04/05/2022 08:00	04/05/2022 08:00	3.3	26	141.0	~ 0.04	0.01	0.11	4100	371	1.50	1.09	< 0.06
1NE-outfall	04/05/2022 11:35	04/06/2022 03:30		103	101.0	0.05	0.03	0.35		59	1.90	0.50	0.07
1NE-outfall	04/12/2022 20:20	04/13/2022 00:45	13.0	253	69.4	0.09	0.07	0.93		126	5.40	0.60	0.06
1NE-outfall	04/19/2022 08:45	04/19/2022 08:45	1.9	41	80.6	0.10	0.08	0.34		216	2.00	1.21	< 0.06
1NE-outfall	04/19/2022 08:46	04/19/2022 08:46	1.6	55	63.6	0.11	0.08	0.40		193	2.30	1.16	< 0.06
1NE-outfall	05/03/2022 09:25	05/03/2022 09:25	2.1	23	143.0	< 0.02	< 0.01	~ 0.04	14	466	1.20	0.73	< 0.06
1NE-outfall	05/19/2022 15:40	05/20/2022 00:30	6.8	91	88.8	~ 0.02	0.02	0.43		69	2.30	0.55	0.07
1NE-outfall	05/25/2022 02:40	05/25/2022 13:10	9.4	40	44.9	~ 0.04	0.03	0.21		67	1.40	0.77	< 0.06
1NE-outfall	06/07/2022 09:05	06/07/2022 09:05	2.5	20	136.0	< 0.02	0.01	0.05	866	381	1.10	2.17	0.13
1NE-outfall	06/15/2022 12:25	06/15/2022 18:10	17.0	126	49.0	7.60	0.03	0.64		118	3.20	< 0.20	0.11
1NE-outfall	06/21/2022 09:25	06/21/2022 09:25	6.7	48	66.6	0.09	0.06	0.21		181	1.10	1.20	0.16
1NE-outfall	07/05/2022 08:20	07/05/2022 08:20	3.5	< 15	119.0	0.08	0.02	~ 0.04	411	383	0.56	1.95	< 0.06
1NE-outfall	07/19/2022 09:00	07/19/2022 09:00	1.8	< 15	147.0	~ 0.02	0.02	~ 0.04		425	0.49	1.46	< 0.06
1NE-outfall	07/19/2022 09:01	07/19/2022 09:01	1.1	< 15	149.0	< 0.02	0.01	< 0.02		426	0.45	1.41	< 0.06
1NE-outfall	08/02/2022 08:20	08/02/2022 08:20	2.5	16	141.0	~ 0.05	0.03	~ 0.03	12	496	0.49	1.98	< 0.06
1NE-outfall	08/06/2022 08:05	08/06/2022 12:20	4.8	85	32.9	0.13	0.10	0.34		107	1.50	0.60	< 0.06
1NE-outfall	08/07/2022 20:00	08/08/2022 00:30	5.7	45	20.7	0.06	0.04	0.21		< 45	1.10	0.34	< 0.06
1NE-outfall	08/16/2022 09:10	08/16/2022 09:10	2.0	< 15	116.0	~ 0.04	0.04	~ 0.04		477	0.58	2.98	< 0.06

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)
1NE-outfall	09/06/2022 10:00	09/06/2022 10:00	1.8	< 15	135.0	~ 0.03	< 0.01	~ 0.03	42	385	0.46	2.47	< 0.06
1NE-outfall	09/20/2022 10:40	09/20/2022 10:40	2.5	21	144.0	< 0.02	< 0.01	< 0.02		623	1.00	3.44	< 0.06
1NE-outfall	10/04/2022 09:50	10/04/2022 09:50	1.4	< 15	171.0	~ 0.03	< 0.01	< 0.02	64	655	0.71	2.18	< 0.06
1NE-outfall	10/18/2022 10:00	10/18/2022 10:00	1.3	< 15	166.0	< 0.02	< 0.01	~ 0.03		520	0.60	2.02	< 0.06
1NE-outfall	11/01/2022 09:40	11/01/2022 09:40	1.6	< 15	173.0	< 0.02	< 0.01	< 0.02	111	392	0.66	1.79	< 0.06
1NE-outfall	11/10/2022 05:50	11/10/2022 14:25		270	49.6	0.06		0.70		132	3.30		
1NE-outfall	11/15/2022 10:30	11/15/2022 10:30	5.9	48	792.0	~ 0.02	0.01	0.09		513	1.30	0.85	< 0.06
1NE-outfall	12/06/2022 14:15	12/06/2022 14:15	2.1	< 15	188.0	< 0.02	< 0.01	< 0.02	6	374	0.44	1.15	< 0.06

2022 Stormwater Sample Data - 1NE-outfall - January through August continued

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological Oxygen Demand 5- day (mg/L)	Total Cadmium (ug/L)	Total Chromium (ug/L)	Total Copper (ug/L)	Total Lead (ug/L)	Total Nickel (ug/L)	Total Zinc (ug/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
1NE-outfall	01/04/2022 10:30	01/04/2022 10:30	88.10	1.4							644	2.8	~ 2	< 1
1NE-outfall	01/18/2022 09:05	01/18/2022 09:05	73.10	1.3	< 0.10	< 1.00	1.50	< 0.50	6.50	< 5.00	668	2.9	~ 1	~ 1
1NE-outfall	02/01/2022 10:00	02/01/2022 10:00	69.60	1.0							782	2.5	< 3	< 3
1NE-outfall	02/15/2022 08:50	02/15/2022 08:50	83.20	1.5							920	2.0	< 3	< 3
1NE-outfall	03/01/2022 08:55	03/01/2022 08:55	115.00	4.2							1490	2.7	10	4
1NE-outfall	03/05/2022 01:45	03/05/2022 03:00	80.90								2350	6.9	231	72
1NE-outfall	03/15/2022 07:40	03/15/2022 07:40	79.60	3.1	< 0.10	1.30	3.50	1.00	3.80	16.40	760	3.7	4	< 3
1NE-outfall	03/16/2022 10:55	03/16/2022 18:45	13.60								486	11.9	71	26
1NE-outfall	03/22/2022 09:40	03/22/2022 18:30	8.33	10.0							602	6.7	188	55
1NE-outfall	03/30/2022 00:05	03/30/2022 23:55	28.40	10.0							622	5.4	61	22
1NE-outfall	04/03/2022 21:25	04/04/2022 06:45	39.00	> 8.5							501	7.3	58	22
1NE-outfall	04/05/2022 08:00	04/05/2022 08:00	115.00	4.1							615	6.3	9	5
1NE-outfall	04/05/2022 11:35	04/06/2022 03:30	19.80								301	6.2	124	38
1NE-outfall	04/12/2022 20:20	04/13/2022 00:45	34.70	19.0							212	7.2	655	165
1NE-outfall	04/19/2022 08:45	04/19/2022 08:45	94.20	1.6	< 0.10	2.10	5.00	3.20	3.00	197.00	444	6.2	48	17
1NE-outfall	04/19/2022 08:46	04/19/2022 08:46	89.20	1.8	0.11	4.00	9.80	7.30	4.30	265.00	352	6.3	85	27
1NE-outfall	05/03/2022 09:25	05/03/2022 09:25	156.00	2.5							729	6.0	4	< 3
1NE-outfall	05/19/2022 15:40	05/20/2022 00:30	7.97	> 8.4	0.20	7.20	18.10	15.60	6.50	117.00	234	6.3	198	44
1NE-outfall	05/25/2022 02:40	05/25/2022 13:10	15.40	11.0							208	9.6	46	16
1NE-outfall	06/07/2022 09:05	06/07/2022 09:05	51.60	2.5							730	6.8	< 3	< 3
1NE-outfall	06/15/2022 12:25	06/15/2022 18:10	19.20	> 25.0							222	15.6	208	74
1NE-outfall	06/21/2022 09:25	06/21/2022 09:25	64.80	> 8.2	< 0.10	< 1.00	3.10	0.55	2.30	35.50	433	12.4	4	3
1NE-outfall	07/05/2022 08:20	07/05/2022 08:20	121.00	3.4							653	4.8	< 3	< 3
1NE-outfall	07/19/2022 09:00	07/19/2022 09:00	99.50	1.9	< 0.10	< 1.00	1.50	< 0.50	3.10	6.80	725	3.7	< 3	< 3
1NE-outfall	07/19/2022 09:01	07/19/2022 09:01	101.00	1.3	< 0.10	< 1.00	1.20	< 0.50	3.10	< 5.00	711	3.1	< 3	< 3
1NE-outfall	08/02/2022 08:20	08/02/2022 08:20	108.00	2.4							717	3.2	< 3	< 3
1NE-outfall	08/06/2022 08:05	08/06/2022 12:20	22.70	6.7							183	8.7	76	24
1NE-outfall	08/07/2022 20:00	08/08/2022 00:30	13.70	7.1							102	5.3	60	19
1NE-outfall	08/16/2022 09:10	08/16/2022 09:10	109.00	2.1							724	4.8	< 3	< 3

2022 Stormwater Sample Data - 1NE-outfall - September through December continued

Station	Sample Start	Sample End	Sulfate (mg/L)	Total Biological Oxygen Demand 5- day (mg/L)	Total Cadmium (ug/L)	Total Chromium (ug/L)	Total Copper (ug/L)	Total Lead (ug/L)	Total Nickel (ug/L)	Total Zinc (ug/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
1NE-outfall	09/06/2022 10:00	09/06/2022 10:00	90.8	2.0							734	3.0	< 3	< 3
1NE-outfall	09/20/2022 10:40	09/20/2022 10:40	198.0	2.6	< 0.10	< 1.00	1.60	< 0.50	3.10	13.20	918	4.3	< 3	< 3
1NE-outfall	10/04/2022 09:50	10/04/2022 09:50	203.0	1.8							916	3.9	< 3	< 3
1NE-outfall	10/18/2022 10:00	10/18/2022 10:00	191.0	2.1	< 0.10	< 1.00	< 5.00	< 0.50	3.10	< 5.00	896	3.4	< 3	< 3
1NE-outfall	11/01/2022 09:40	11/01/2022 09:40	158.0	2.1							848	3.6	< 3	< 3
1NE-outfall	11/10/2022 05:50	11/10/2022 14:25	54.1								278	19.7	357	102
1NE-outfall	11/15/2022 10:30	11/15/2022 10:30	158.0	7.0	< 0.10	< 2.50	4.40	1.40	3.20	35.20	1740	4.4	14	5
1NE-outfall	12/06/2022 14:15	12/06/2022 14:15	96.5	2.7							776	3.0	< 3	< 3