

2021 Stormwater Sample Data - 1NE-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)
1NE-outfall	01/05/2021 09:10		Base	Grab	17	7.9	809	11.27	6.9	0.60	1202	89	354	0.11
1NE-outfall	01/19/2021 09:10		Base	Grab	16	5.5	851	11.61	7.1	0.68	1354	42	317	1.16
1NE-outfall	02/02/2021 08:55		Base	Grab	21	6.3	876	11.52	8.5	0.68	1361	92	354	0.46
1NE-outfall	02/22/2021 15:15	02/22/2021 15:15	Melt	Composite	40	5.0	7510	9.62	8.2	6.89	12156	5	224	0.93
1NE-outfall	02/24/2021 13:10	02/24/2021 17:00	Melt	Composite	28								69	1.52
1NE-outfall	02/27/2021 11:35	02/27/2021 16:10	Melt	Composite	15								84	1.03
1NE-outfall	03/02/2021 13:10	03/02/2021 21:00	Melt	Composite	36								77	0.93
1NE-outfall	03/03/2021 12:50	03/03/2021 20:20	Melt	Composite	45	7.0	621	10.88	8.5	0.47	946		83	0.79
1NE-outfall	03/10/2021 16:15	03/11/2021 00:20	Rain	Composite	37								53	0.63
1NE-outfall	03/23/2021 16:00	03/24/2021 10:45	Rain	Composite	36								50	0.12
1NE-outfall	03/27/2021 11:57	03/27/2021 19:34	Rain	Composite	41								125	0.22
1NE-outfall	04/06/2021 09:45		Base	Grab	57							35	155	0.48
1NE-outfall	04/06/2021 16:05	04/07/2021 03:20	Rain	Composite									38	0.45
1NE-outfall	04/20/2021 07:50		Base	Grab	38	8.6	797	11.04	8.6	0.58	1160	91	331	0.09
1NE-outfall	04/27/2021 14:05	04/27/2021 23:05	Rain	Composite	50								120	0.33
1NE-outfall	05/04/2021 08:35	05/04/2021 08:35	Base	Grab	46	10.3	934	10.29	8.5	0.65	1298	97	332	0.20
1NE-outfall	05/18/2021 08:00		Base	Grab	65	13.6	1084	9.85	6.8	0.70	1384	82	337	0.10
1NE-outfall	05/19/2021 20:50	05/19/2021 23:45	Rain	Composite									119	< 0.06
1NE-outfall	05/21/2021 01:15	05/21/2021 07:35	Rain	Composite									53	< 0.06
1NE-outfall	05/24/2021 20:35	05/25/2021 05:15	Rain	Composite	70								124	< 0.06
1NE-outfall	06/01/2021 08:25		Base	Grab	65	17.3	1175	9.47	7.2	0.69	1376	> 100	337	0.26
1NE-outfall	06/15/2021 08:05		Base	Grab								82	356	0.08
1NE-outfall	06/20/2021 13:50	06/20/2021 20:55	Rain	Composite	55								68	< 0.06
1NE-outfall	06/27/2021 13:50	06/27/2021 16:10	Rain	Composite									126	< 0.06
1NE-outfall	06/28/2021 13:20	06/28/2021 19:00	Rain	Composite									118	0.13
1NE-outfall	07/08/2021 07:55		Base	Grab	59	15.5	878	9.12	7.3	0.54	1074	93	283	0.10
1NE-outfall	07/20/2021 09:30		Base	Grab	75	16.7	974	9.00	7.2	0.58	1158	> 100	354	0.08

2021 Stormwater Sample Data - 1NE-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)
1NE-outfall	08/03/2021 09:35		Base	Grab	74	16.3	1044	8.84	7.5	0.63	1252	> 100	371	0.10
1NE-outfall	08/17/2021 09:35		Base	Grab	73	17.2	1004	8.88	7.4	0.59	1179	64	351	0.09
1NE-outfall	08/28/2021 23:45	08/29/2021 01:30	Rain	Composite	75								21	< 0.06
1NE-outfall	09/07/2021 08:45		Base	Grab	66	17.9	1169	9.05	6.7	0.68	1351	> 100	340	0.07
1NE-outfall	09/17/2021 02:25	09/17/2021 05:40	Rain	Composite	61								40	0.08
1NE-outfall	09/20/2021 12:20	09/20/2021 19:30	Rain	Composite	62								55	< 0.06
1NE-outfall	09/22/2021 09:15		Base	Grab	57	16.7	1043	8.81	6.6	0.62	1240	> 100	320	< 0.06
1NE-outfall	10/05/2021 08:00		Base	Grab		17.8	1096	8.85	7.8	0.64	1270	91	335	< 0.06
1NE-outfall	10/19/2021 07:45		Base	Grab	52	15.4	970	9.04	7.6	0.59	1187	87	366	0.06
1NE-outfall	11/02/2021 08:05		Base	Grab	32	11.7	869	9.45	6.3	0.58	1166	> 100	349	0.09
1NE-outfall	11/10/2021 20:40	11/11/2021 08:05	Rain	Composite	35								60	0.43
1NE-outfall	11/16/2021 09:05		Base	Grab	32	10.5	824	8.85	6.7	0.57	1139	90	342	0.11
1NE-outfall	12/07/2021 09:30		Base	Grab	11	1.3	601	12.45	8.1	0.54	1100	75	281	0.10
1NE-outfall	12/15/2021 03:50	12/15/2021 14:40	Melt	Composite	18								78	0.26
1NE-outfall	12/17/2021 08:50		Base	Grab	12	2.7	645	11.55	8.0	0.55	1123	55	265	0.39

2021 Stormwater Sample Data - 1NE-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)
1NE-outfall	01/05/2021 09:10		0.9	16	159.0	< 0.02	< 0.01	< 0.02		411	0.66	0.72	< 0.06
1NE-outfall	01/19/2021 09:10		1.1	< 15	135.0	< 0.02	< 0.01	0.07		533	2.00	0.96	< 0.06
1NE-outfall	02/02/2021 08:55		1.3	16	163.0	< 0.02	< 0.01	< 0.02		494	1.10	0.87	< 0.06
1NE-outfall	02/22/2021 15:15	02/22/2021 15:15			4210.0	~ 0.02		0.73			5.90	1.13	0.14
1NE-outfall	02/24/2021 13:10	02/24/2021 17:00	20.0	433	1610.0	0.12	0.07	0.81		170	6.90	0.52	0.20
1NE-outfall	02/27/2021 11:35	02/27/2021 16:10		95	391.0	0.20		0.46		91	4.10		
1NE-outfall	03/02/2021 13:10	03/02/2021 21:00	10.0	87	420.0	0.22	0.19	0.43		101	3.70	0.42	0.09
1NE-outfall	03/03/2021 12:50	03/03/2021 20:20	7.6	82	215.0	0.29	0.23	0.48		96	3.20	0.44	0.07
1NE-outfall	03/10/2021 16:15	03/11/2021 00:20	11.0	292	196.0	0.05	0.05	0.74		103	3.00	0.62	0.11
1NE-outfall	03/23/2021 16:00	03/24/2021 10:45		89	82.9	~ 0.02	0.03	0.32		86	1.50	0.29	< 0.06
1NE-outfall	03/27/2021 11:57	03/27/2021 19:34		36	92.5	< 0.02		0.11		162	1.20	0.77	0.06
1NE-outfall	04/06/2021 09:45		6.6	34	275.0	~ 0.04	0.03	0.14		290	1.80	1.04	0.08
1NE-outfall	04/06/2021 16:05	04/07/2021 03:20	13.0	161	48.4	0.09	0.03	0.71		< 45	4.30	0.43	0.07
1NE-outfall	04/20/2021 07:50		1.1	16	123.0	< 0.02	< 0.01	< 0.02	11	434	0.73	1.66	< 0.06
1NE-outfall	04/27/2021 14:05	04/27/2021 23:05	6.5	53	83.3	< 0.02	0.02	0.17		214	1.60	0.95	0.08
1NE-outfall	05/04/2021 08:35	05/04/2021 08:35	1.2	16	128.0	0.05	0.03	< 0.02		459	0.98	1.84	< 0.06
1NE-outfall	05/18/2021 08:00		1.6	18	136.0	< 0.02	< 0.01	< 0.02	4	621	0.81	2.01	< 0.06
1NE-outfall	05/19/2021 20:50	05/19/2021 23:45		145	63.7	~ 0.05	0.01	0.65		148	3.40	0.40	< 0.06
1NE-outfall	05/21/2021 01:15	05/21/2021 07:35	14.0	167	41.9	~ 0.04	0.03	0.64		66	3.50	0.33	< 0.06
1NE-outfall	05/24/2021 20:35	05/25/2021 05:15			70.8	0.07	< 0.01	0.38		195	2.40	0.57	< 0.06
1NE-outfall	06/01/2021 08:25		1.6	16	131.0	< 0.02	< 0.01	~ 0.04		512	1.40	1.83	0.11
1NE-outfall	06/15/2021 08:05		2.1	< 15	116.0	< 0.02	< 0.01	~ 0.02	147	379	0.58	1.21	< 0.06
1NE-outfall	06/20/2021 13:50	06/20/2021 20:55	> 24.0	323	27.6	0.17	0.02	1.50		92	9.30	< 0.20	< 0.06
1NE-outfall	06/27/2021 13:50	06/27/2021 16:10		322	47.1	0.10		1.23		193	7.60	< 0.20	< 0.06
1NE-outfall	06/28/2021 13:20	06/28/2021 19:00	8.8		58.5	~ 0.04	< 0.01	0.21			1.80	0.36	0.09
1NE-outfall	07/08/2021 07:55		2.2	22	108.0	~ 0.02	0.01	0.12		393	0.45	1.10	0.07
1NE-outfall	07/20/2021 09:30		1.7	< 15	138.0	~ 0.02	< 0.01	< 0.02		418	0.40	1.03	< 0.06

2021 Stormwater Sample Data - 1NE-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)
1NE-outfall	08/03/2021 09:35		1.6	< 15	135.0	< 0.02	< 0.01	~ 0.03		441	0.38	1.02	< 0.06
1NE-outfall	08/17/2021 09:35		1.7	< 15	139.0	< 0.02	< 0.01	< 0.02	140	475	0.49	0.87	< 0.06
1NE-outfall	08/28/2021 23:45	08/29/2021 01:30		36	5.1	< 0.02	< 0.01	0.29		< 45	1.30	< 0.20	< 0.06
1NE-outfall	09/07/2021 08:45		1.5	17	215.0	< 0.02	< 0.01	~ 0.03		555	0.51	1.18	< 0.06
1NE-outfall	09/17/2021 02:25	09/17/2021 05:40	> 8.2	46	19.9	0.11	0.07	0.57		< 45	2.20	0.49	< 0.06
1NE-outfall	09/20/2021 12:20	09/20/2021 19:30	> 8.6	111	25.8	~ 0.03	0.02	0.27		78	1.60	0.59	< 0.06
1NE-outfall	09/22/2021 09:15		1.2	17	165.0	< 0.02	< 0.01	< 0.02	365	454	0.68	1.02	< 0.06
1NE-outfall	10/05/2021 08:00		1.5	< 15	150.0	~ 0.03	< 0.01	~ 0.03		479	0.62	1.18	< 0.06
1NE-outfall	10/19/2021 07:45		1.6	< 15	139.0	< 0.02	< 0.01	~ 0.02	50	370	0.31	1.13	< 0.06
1NE-outfall	11/02/2021 08:05		1.3	< 15	124.0	< 0.02	< 0.01	< 0.02		422	0.39	0.98	< 0.06
1NE-outfall	11/10/2021 20:40	11/11/2021 08:05		89	32.5	0.28		0.36		< 45	1.40	0.43	< 0.06
1NE-outfall	11/16/2021 09:05		2.0	< 15	130.0	< 0.02	< 0.01	< 0.02	95	369	0.56	0.86	< 0.06
1NE-outfall	12/07/2021 09:30		2.3	16	135.0	< 0.02	< 0.01	~ 0.03	108	326	0.33	1.08	< 0.06
1NE-outfall	12/15/2021 03:50	12/15/2021 14:40	14.0	91	562.0	0.07	0.05	0.34		122	2.10	0.37	0.07
1NE-outfall	12/17/2021 08:50		5.1	22	156.0	~ 0.02	< 0.01	~ 0.03		319	1.30	0.99	0.07

2021 Stormwater Sample Data - 1NE-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)
1NE-outfall	01/05/2021 09:10		92.3	1.0	< 0.0001	< 0.0005	0.0011	< 0.0001	0.0034	< 0.0050	725	3.0	< 1	< 1
1NE-outfall	01/19/2021 09:10		239.0	0.7							878	5.2	6	~ 2
1NE-outfall	02/02/2021 08:55		160.0	1.3							824	3.9	14	13
1NE-outfall	02/22/2021 15:15	02/22/2021 15:15									6860	6.5	100	42
1NE-outfall	02/24/2021 13:10	02/24/2021 17:00	28.4	23.0							2640	7.3	256	74
1NE-outfall	02/27/2021 11:35	02/27/2021 16:10	30.7								768	10.7	61	25
1NE-outfall	03/02/2021 13:10	03/02/2021 21:00	32.4	13.0							824	6.9	68	22
1NE-outfall	03/03/2021 12:50	03/03/2021 20:20	35.6	10.0	0.0001	0.0040	0.0218	0.0091	0.0045	0.1320	540	11.6	53	19
1NE-outfall	03/10/2021 16:15	03/11/2021 00:20	17.9	15.0							444	7.7	436	128
1NE-outfall	03/23/2021 16:00	03/24/2021 10:45	21.8								246	6.8	124	41
1NE-outfall	03/27/2021 11:57	03/27/2021 19:34	68.5								403	12.1	19	8
1NE-outfall	04/06/2021 09:45		96.4	> 8.4	< 0.0001	0.0015	0.0047	0.0020	0.0027	0.1720	759	6.6	19	7
1NE-outfall	04/06/2021 16:05	04/07/2021 03:20	6.6	21.0							159	12.8	558	168
1NE-outfall	04/20/2021 07:50		114.0	1.1							706	3.4	< 1	< 1
1NE-outfall	04/27/2021 14:05	04/27/2021 23:05	86.1	> 8.7							412	11.5	44	17
1NE-outfall	05/04/2021 08:35	05/04/2021 08:35	198.0	1.0							844	5.5	3	~ 1
1NE-outfall	05/18/2021 08:00		233.0	2.0							926	5.5	~ 1	~ 1
1NE-outfall	05/19/2021 20:50	05/19/2021 23:45	65.2								372	16.9	150	66
1NE-outfall	05/21/2021 01:15	05/21/2021 07:35	18.2	19.0							194	8.8	264	93
1NE-outfall	05/24/2021 20:35	05/25/2021 05:15		23.0							420	20.9	39	22
1NE-outfall	06/01/2021 08:25		229.0	1.8	< 0.0001	< 0.0010	0.0010	< 0.0005	0.0029	< 0.0050	901	4.9	~ 1	~ 1
1NE-outfall	06/15/2021 08:05		78.5	2.4							700	3.8	~ 1	~ 1
1NE-outfall	06/20/2021 13:50	06/20/2021 20:55	17.5	> 24.0							213	44.8	360	146
1NE-outfall	06/27/2021 13:50	06/27/2021 16:10	73.8								366	18.7	427	170
1NE-outfall	06/28/2021 13:20	06/28/2021 19:00		15.0								12.6	50	22
1NE-outfall	07/08/2021 07:55		132.0	2.3	< 0.0001	< 0.0010	0.0012	< 0.0005	0.0028	< 0.0050	645	5.4	~ 2	~ 1
1NE-outfall	07/20/2021 09:30		81.5	1.7							709	3.2	~ 1	~ 1

2021 Stormwater Sample Data - 1NE-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)
1NE-outfall	08/03/2021 09:35		87.9	2.0	< 0.0001	< 0.0010	0.0010	< 0.0005	0.0036	< 0.0050	712	2.8	~ 1	~ 1
1NE-outfall	08/17/2021 09:35		91.7	1.5							729	2.9	~ 2	< 1
1NE-outfall	08/28/2021 23:45	08/29/2021 01:30	3.6								59	3.9	273	48
1NE-outfall	09/07/2021 08:45		90.1	1.6	< 0.0001	< 0.0010	0.0022	< 0.0005	0.0033	< 0.0050	782	3.4	< 1	< 1
1NE-outfall	09/17/2021 02:25	09/17/2021 05:40	11.0	> 8.1							117	12.8	102	33
1NE-outfall	09/20/2021 12:20	09/20/2021 19:30	14.3	> 8.5							145	12.3	140	49
1NE-outfall	09/22/2021 09:15		107.0	1.4							733	3.5	~ 1	~ 1
1NE-outfall	10/05/2021 08:00		122.0	1.7	< 0.0001	< 0.0010	0.0012	< 0.0005	0.0035	< 0.0050	773	4.1	~ 1	~ 1
1NE-outfall	10/19/2021 07:45		83.4	1.7							715	3.3	~ 2	~ 1
1NE-outfall	11/02/2021 08:05		89.7	2.0	< 0.0001	< 0.0010	0.0013	< 0.0005	0.0039	0.0080	703	3.1	~ 1	~ 1
1NE-outfall	11/10/2021 20:40	11/11/2021 08:05	9.4	> 26.0							155	30.1	14	7
1NE-outfall	11/16/2021 09:05		79.9	3.7							670	4.1	< 1	3
1NE-outfall	12/07/2021 09:30		75.1	2.9							641	3.6	< 1	< 1
1NE-outfall	12/15/2021 03:50	12/15/2021 14:40	22.9	17.0							854	7.1	142	34
1NE-outfall	12/17/2021 08:50		111.0	5.8	< 0.0001	< 0.0010	0.0051	0.0021	0.0037	0.0183	655	6.2	5	~ 2