

2023 Stormwater Sample Data - 4PP-outfall

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	Specific Conductivity (µS/cm)	Salinity (ppt)	Transparency (cm)	pH	Alkalinity (mg/L)	Hardness (mg/L)	Chloride (mg/L)
4PP-outfall	01/03/2023 10:35		Base	Grab	26	5.8	11.52	756	1194	0.59	> 100	8.0	280	379	178
4PP-outfall	01/17/2023 10:40		Melt	Grab	33	6.1		3045	4764	2.55	15	7.0	145	261	1560
4PP-outfall	02/07/2023 10:45		Base	Grab	29	8.6	10.53	1338	1947	1.00	99	7.8	271	222	448
4PP-outfall	02/21/2023 11:00		Base	Grab	14	4.3	11.48	731	1211	0.60	> 100	8.5	292	718	185
4PP-outfall	03/07/2023 11:15		Base	Grab	36	9.2	11.03	1100	1573	0.80	72	7.3	219	418	329
4PP-outfall	03/21/2023 10:10		Base	Grab	30	7.7	10.82	926	1382	0.69	> 100	8.3	280	574	227
4PP-outfall	04/05/2023 10:40		Base	Grab	30	7.0	11.15	744	1133	0.56	40	8.4	197	259	188
4PP-outfall	06/06/2023 09:50		Base	Grab	73	13.5	10.2	1095	1403	0.71	> 100	8.1	265	440	234
4PP-outfall	06/20/2023 09:30		Base	Grab	80	13.6	10.05	1097	1403	0.71	> 100	8.1	289	354	238
4PP-outfall	07/18/2023 10:15		Base	Grab	75	13.6	10.05	1081	1384	0.70	> 100	8.2	280	438	231
4PP-outfall	08/01/2023 10:15		Base	Grab	89	16.0	9.76	1136	1373	0.69	> 100	8.1	271	397	239
4PP-outfall	08/15/2023 09:45		Base	Grab	75	14.1	9.79	1075	1357	0.68	> 100	8.0	279	438	243
4PP-outfall	09/05/2023 10:00		Base	Grab	80	15.9	9.49	1118	1355	0.68	> 100	8.0	292	487	219
4PP-outfall	09/19/2023 09:00		Base	Grab	66	13.2	10.06	1056	1364	0.69	> 100	8.1	271	494	222
4PP-outfall	10/03/2023 09:05		Base	Grab	74	13.6	9.94	1054	1346	0.68	> 100	7.9	290	414	222
4PP-outfall	10/16/2023 09:45		Base	Grab	45	11.0	10.5	1013	1383	0.70	> 100	8.1	262	498	227
4PP-outfall	11/07/2023 11:00		Base	Grab	42	9.4	10.88	1125	1603	0.81	> 100	8.6	315	469	313
4PP-outfall	11/21/2023 10:20		Base	Grab	40	10.3	10.76	1112	1546	0.78	> 100	8.1	294	480	278
4PP-outfall	12/08/2023 09:45		Base	Grab	43	10.2	10.79	1187	1653	0.84	> 100	8.2	264	425	306
4PP-outfall	12/20/2023 10:40		Base	Grab	32	8.7	11.16	1111	1612	0.82	> 100	8.1	315	502	303

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Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5-day (mg/L)	Total Biological Oxygen Demand (mg/L)	Chemical Oxygen Demand (mg/L)	E. coli (MPN/100 mL)	Dissolved Phosphorous (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	Ammonia Nitrogen (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrate- Nitrite (mg/L)	Sulfate (mg/L)
4PP-outfall	01/03/2023 10:35		1	0.4	< 15	1	~ 0.03	0.03	~ 0.03	< 0.06	0.27	0.81	< 0.06	0.81	67.3
4PP-outfall	01/17/2023 10:40		> 8.4	> 8.8	56		0.09	0.09	0.15	1	4	0.57	0.1	0.67	43.2
4PP-outfall	02/07/2023 10:45		1.9	1.6	< 15	52	< 0.02	0.02	< 0.02	0.12	0.61	0.7	< 0.06	0.7	69.7
4PP-outfall	02/21/2023 11:00		1.1	1	< 15		< 0.02	0.03	0.06	< 0.06	0.3	0.64	< 0.06	0.64	71.7
4PP-outfall	03/07/2023 11:15		2.2	2	< 15	71	< 0.02	0.016	~ 0.038	0.1	0.47	0.7	< 0.06	0.7	65.9
4PP-outfall	03/21/2023 10:10		1	0.9	< 15		< 0.02	0.022	~ 0.045	0.06	0.28	1.13	< 0.06	1.13	79.6
4PP-outfall	04/05/2023 10:40		2.9	3.4	16	411	~ 0.04	0.04	0.07	0.15	0.74	1.28	< 0.06	1.28	59.2
4PP-outfall	06/06/2023 09:50		1.3	1	< 15	20	< 0.05	0.03	0.06	< 0.06	0.27	1.42	< 0.06	1.42	80.9
4PP-outfall	06/20/2023 09:30		1.4	0.5	< 15		< 0.05	0.02	< 0.05	< 0.06	0.27	1.54	< 0.06	1.54	80.5
4PP-outfall	07/18/2023 10:15		1.1	1.2	< 15	35	< 0.05	0.03	< 0.05	0.06	0.26	1.43	< 0.06	1.49	76.8
4PP-outfall	08/01/2023 10:15		1.2	0.9	< 15	23	< 0.05	0.02	< 0.05	0.07	0.28	1.33	0.06	1.39	76.8
4PP-outfall	08/15/2023 09:45		7.1	7.5	21		0.16	0.07	0.14	0.11	1.32	1.5	< 0.06	1.5	74
4PP-outfall	09/05/2023 10:00		< 0.2	0.8	< 15	22	< 0.05	0.03	0.07	< 0.06	0.31	1.53	< 0.06	1.53	79.6
4PP-outfall	09/19/2023 09:00		0.7	0.4	< 15		< 0.05	0.03	< 0.05	< 0.06	0.22	1.45	< 0.06	1.45	77.2
4PP-outfall	10/03/2023 09:05		0.8	0.7	< 15	261	< 0.05	0.03	< 0.05	< 0.06	0.31	1.58	< 0.06	1.58	76.3
4PP-outfall	10/16/2023 09:45		0.8	0.3	< 15		< 0.05	0.02	< 0.05	0.06	0.33	1.54	< 0.06	1.54	78
4PP-outfall	11/07/2023 11:00		1.3	0.8	< 15	6	< 0.05	0.02	< 0.05	0.09	0.32	1.9	< 0.06	1.9	88.5
4PP-outfall	11/21/2023 10:20		0.9	0.5	< 15		< 0.05	0.02	< 0.05	0.12	0.42	1.62	< 0.06	1.62	84.5
4PP-outfall	12/08/2023 09:45		0.9	0.8	< 15	3	< 0.05	0.02	< 0.05	0.06	0.34	1.81	< 0.06	1.81	87.9
4PP-outfall	12/20/2023 10:40		0.6	0.8	< 15		< 0.05	0.02	< 0.05	0.09	0.44	1.78	< 0.06	1.78	88.5

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Station	Sample Start	Sample End	Total Cadmium (µg/L)	Total Chromium (µg/L)	Total Copper (µg/L)	Total Lead (µg/L)	Total Nickel (µg/L)	Total Zinc (µg/L)	Total Organic Carbon (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
4PP-outfall	01/03/2023 10:35								1	639	< 3	< 3
4PP-outfall	01/17/2023 10:40		< 0.1	8.2	8.8	2.6	2.3	82.4	3.6	2570	22	10
4PP-outfall	02/07/2023 10:45								1.1	1020	3	< 3
4PP-outfall	02/21/2023 11:00		< 0.1	< 2.5	1.1	9.1	1.4	11	1.1	666	< 3	< 3
4PP-outfall	03/07/2023 11:15								1.5	870	5	3
4PP-outfall	03/21/2023 10:10		< 0.1	< 2.5	< 1	< 0.5	1.7	11.7	1	766	< 3	< 3
4PP-outfall	04/05/2023 10:40								2.8	602	16	4
4PP-outfall	06/06/2023 09:50								1.4	765	< 3	< 3
4PP-outfall	06/20/2023 09:30		< 0.1	< 2.5	< 1	< 0.5	1.6	8.9	1.3	753	< 3	< 3
4PP-outfall	07/18/2023 10:15		< 0.1	< 2.5	< 1	< 0.5	1.6	8.3	1.2	757	< 3	< 3
4PP-outfall	08/01/2023 10:15								1.5	767	4	< 3
4PP-outfall	08/15/2023 09:45		< 0.1	< 2.5	2.7	< 0.5	2	19.9	1.6	746	5	4
4PP-outfall	09/05/2023 10:00								1.2	734	< 3	< 3
4PP-outfall	09/19/2023 09:00		< 0.1	< 2.5	1.2	< 0.5	2.1	10.1	1.2	727	< 3	< 3
4PP-outfall	10/03/2023 09:05								1.1	709	< 3	< 3
4PP-outfall	10/16/2023 09:45		< 0.1	< 2.5	< 1	< 0.5	1.6	10	< 1	753	< 3	< 3
4PP-outfall	11/07/2023 11:00								< 1	878	< 3	< 3
4PP-outfall	11/21/2023 10:20		< 0.1	< 2.5	< 1	< 0.5	1.9	7.8	1.1	862	< 3	< 3
4PP-outfall	12/08/2023 09:45								< 1	889	< 3	< 3
4PP-outfall	12/20/2023 10:40		< 0.1	< 2.5	< 1	< 0.5	1.9	< 5	< 1	912	3	< 3