

2017 Stormwater Sample Data at 10SA January - 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)
10SA	01/03/2017 10:20		Base	Grab	15	4.0	1057.0	12.80	8.1	0.89	1766.0	> 100	329	0.08
10SA	01/17/2017 10:28		Base	Grab	30	3.8	1624.0	10.65	8.3	1.40	2729.0	> 100	402	0.08
10SA	01/20/2017 15:39	01/23/2017 03:55	Melt	Composite	93								60	0.82
10SA	02/10/2017 10:35		Base	Grab	29	3.0	3179.0	13.42	7.6	2.93	5491.0	77	311	1.38
10SA	02/20/2017 11:38	02/20/2017 20:11	Rain	Composite	97								50	0.40
10SA	02/23/2017 09:45		Base	Grab	35	4.2	978.0	11.67	7.8	0.81	1621.0	86		0.19
10SA	03/08/2017 10:00		Base	Grab	22	5.1	1555.0	11.16	7.6	1.29	2510.0	18	163	0.17
10SA	03/20/2017 10:35		Base	Grab	44	4.5	1981.0	11.99	7.6	1.70	3256.0	98	229	0.12
10SA	04/05/2017 10:15		E Coli	Grab	40	7.3	1673.0	10.30		1.30	2529.7	> 100		
10SA	04/10/2017 20:00	04/10/2017 23:50	Rain	Composite	95									0.22
10SA	04/14/2017 09:50		Base	Grab	52	9.5	1049.3	8.41	7.9	0.70	1490.2	62	112	0.07
10SA	04/14/2017 21:30	04/15/2017 13:15	Rain	Composite	50								50	0.38
10SA	04/19/2017 15:50	04/19/2017 20:15	Rain	Composite	40								29	0.12
10SA	04/20/2017 10:45		E Coli	Grab	41	10.2	514.3	9.85	7.9	0.30	715.8	53		
10SA	04/28/2017 09:25		Base	Grab	38	9.2	809.0	9.07	7.7	0.58	1157.0	73	209	~ 0.06
10SA	05/03/2017 10:55		E Coli	Grab	56	10.6	696.0	10.77	7.6	0.48	959.0	> 100		
10SA	05/08/2017 19:25	05/09/2017 08:10	Rain	Composite	65								105	0.66
10SA	05/10/2017 10:05		Base	Grab	63	13.1	767.0	7.13	7.7	0.49	992.0	> 100	196	0.07
10SA	05/17/2017 01:20	05/17/2017 06:30	Rain	Composite	52								36	0.51
10SA	05/17/2017 09:20		E Coli	Grab	63							56		
10SA	05/17/2017 19:55	05/18/2017 06:45	Rain	Composite	52								41	0.08
10SA	05/24/2017 11:05		Base	Grab	50	12.9	766.0	8.20	8.0	0.50	996.0	77	323	0.09
10SA	06/07/2017 10:05		E Coli	Grab	75							57		
10SA	06/13/2017 10:30		Base	Grab	75	19.7	407.6	5.31	7.7	0.22	453.7	68	119	0.17
10SA	06/17/2017 21:00	06/17/2017 22:30	Rain	Composite	65									0.38
10SA	07/05/2017 09:45		E Coli	Grab	75							55		
10SA	07/11/2017 09:45		Base	Grab	75	21.2	706.0	8.03	7.8	0.37	762.0	> 100	211	0.37
10SA	07/17/2017 22:40	07/18/2017 03:25	Rain	Composite	76							33	37	< 0.02
10SA	07/19/2017 09:05		E Coli	Grab	78	21.9	259.5	5.19	7.5	0.13	276.0	42		
10SA	07/25/2017 19:30	07/25/2017 22:15	Rain	Composite	73								37	< 0.02
10SA	07/26/2017 04:20	07/26/2017 06:55	Rain	Composite	73								27	0.11

2017 Stormwater Sample Data at 10SA January - July continued

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)	Sulfate (mg/L)
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)									
10SA	01/03/2017 10:20		1.0	13	374.0	0.08	0.06	0.08		424	0.75	1.60	< 0.03	42.8
10SA	01/17/2017 10:28		1.0	23	619.9	0.07	0.07	0.11	727	492	0.87	1.39	0.04	47.8
10SA	01/20/2017 15:39	01/23/2017 03:55		58	502.8	0.35		0.42		84	2.70	0.55	0.05	10.1
10SA	02/10/2017 10:35		1.8	35	1555.7	0.16	0.13	0.21		400	2.30	1.12	0.20	31.3
10SA	02/20/2017 11:38	02/20/2017 20:11	5.6	149	227.4	0.12	0.10	0.44		104	2.00	0.40	0.04	8.7
10SA	02/23/2017 09:45				399.2	0.12	0.07	0.12	1986		1.20	0.94	0.05	
10SA	03/08/2017 10:00		3.8	50	722.2	0.07	0.05	0.14		250	1.40	0.96	0.04	29.7
10SA	03/20/2017 10:35		1.8	37	885.8	0.07	0.07	0.13	479	320	2.00	1.23	< 0.03	37.9
10SA	04/05/2017 10:15								90					
10SA	04/10/2017 20:00	04/10/2017 23:50			142.8	0.10		0.26			1.20	0.40	0.04	
10SA	04/14/2017 09:50		2.8	34	307.1	~ 0.05	0.03	0.09		160	1.10	0.73	0.03	21.2
10SA	04/14/2017 21:30	04/15/2017 13:15		49	107.9	0.05		0.19		64	1.60	0.43	0.04	9.3
10SA	04/19/2017 15:50	04/19/2017 20:15	4.0	71	43.3	~ 0.03	0.03	0.24		52	1.40	0.22	< 0.03	4.1
10SA	04/20/2017 10:45								260					
10SA	04/28/2017 09:25		2.4	20	209.8	< 0.02	0.01	0.07	32	240	1.20	0.93	< 0.03	28.9
10SA	05/03/2017 10:55								50					
10SA	05/08/2017 19:25	05/09/2017 08:10	> 8.7	94	95.7	0.10	0.06	0.27		152	2.80	0.72	0.06	16.3
10SA	05/10/2017 10:05		2.6	33	161.7	~ 0.04	0.02	0.08		228	0.94	0.70	< 0.03	28.1
10SA	05/17/2017 01:20	05/17/2017 06:30		54	25.0	< 0.02		0.22		48	1.90	0.43	0.03	4.2
10SA	05/17/2017 09:20								3260					
10SA	05/17/2017 19:55	05/18/2017 06:45	2.8	33	15.4	~ 0.04	0.03	0.13		44	0.78	0.29	< 0.03	3.4
10SA	05/24/2017 11:05		2.3	25	89.1	0.07	0.08	0.12	73	344	0.81	2.71	0.03	38.0
10SA	06/07/2017 10:05								255					
10SA	06/13/2017 10:30		4.4	45	57.4	0.12	0.07	0.21		120	1.30	0.52	0.04	10.4
10SA	06/17/2017 21:00	06/17/2017 22:30			46.5	0.10		0.33			2.20	0.26	0.11	11.2
10SA	07/05/2017 09:45								5170					
10SA	07/11/2017 09:45		3.1	28	89.8	0.12	0.11	0.21		244	1.20	0.25	0.08	24.8
10SA	07/17/2017 22:40	07/18/2017 03:25	6.7	49	8.7	< 0.02	< 0.01	0.18		27	1.10	0.30	0.03	3.4
10SA	07/19/2017 09:05								6870					
10SA	07/25/2017 19:30	07/25/2017 22:15		95	13.0	< 0.02		0.38			2.20	0.25	0.04	6.0
10SA	07/26/2017 04:20	07/26/2017 06:55	5.4	48	7.8	~ 0.03	0.03	0.25		~ 24	1.20	0.31	0.03	3.2

2017 Stormwater Sample Data at 10SA January - July continued

Station	Sample Start	Sample End	Total Biological							Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
			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)				
10SA	01/03/2017 10:20		0.8	< 0.0002	0.0004	0.0027	< 0.0010	0.0015	0.0046	967	7.4	1.5	~ 1
10SA	01/17/2017 10:28		1.1							1510	7.7	~ 1	~ 1
10SA	01/20/2017 15:39	01/23/2017 03:55								948	11.8	12	6
10SA	02/10/2017 10:35		1.6	< 0.0002	0.0005	0.0032	~ 0.0004	0.0017	0.0111	2910	6.6	4	~ 2
10SA	02/20/2017 11:38	02/20/2017 20:11	7.2							448	8.2	129	50
10SA	02/23/2017 09:45									802		4	~ 2
10SA	03/08/2017 10:00		6.0	< 0.0002	0.0022	0.0092	0.0017	0.0030	0.0350	1290	12.8	18	8
10SA	03/20/2017 10:35		2.5							1700	10.5	3	~ 2
10SA	04/05/2017 10:15												
10SA	04/10/2017 20:00	04/10/2017 23:50									17.8	63	23
10SA	04/14/2017 09:50		3.6	< 0.0002	0.0012	0.0041	0.0005	0.0014	0.0105	716	9.7	3	~ 2
10SA	04/14/2017 21:30	04/15/2017 13:15								277	7.0	37	~ 17
10SA	04/19/2017 15:50	04/19/2017 20:15	6.7							125	4.5	110	32
10SA	04/20/2017 10:45												
10SA	04/28/2017 09:25		2.7							648	7.1	3	3
10SA	05/03/2017 10:55												
10SA	05/08/2017 19:25	05/09/2017 08:10	> 8.6							316	16.9	40	18
10SA	05/10/2017 10:05		3.2	< 0.0002	0.0005	0.0035	~ 0.0003	0.0014	0.0071	545	8.2	3	~ 2
10SA	05/17/2017 01:20	05/17/2017 06:30								112	5.8	124	26
10SA	05/17/2017 09:20												
10SA	05/17/2017 19:55	05/18/2017 06:45	4.0							102	4.6	54	17
10SA	05/24/2017 11:05		2.9							576	6.1	8	3
10SA	06/07/2017 10:05												
10SA	06/13/2017 10:30		5.8	< 0.0002	0.0011	0.0107	0.0006	0.0014	0.0114	260	12.1	5	
10SA	06/17/2017 21:00	06/17/2017 22:30									12.7	51	
10SA	07/05/2017 09:45												
10SA	07/11/2017 09:45		3.5	< 0.0002	0.0005	0.0100	0.0011	0.0018	0.0146	433	7.8	3	3
10SA	07/17/2017 22:40	07/18/2017 03:25	> 8.4	< 0.0002	0.0029	0.0120	0.0031	0.0026	0.0366	69	8.0	61	18
10SA	07/19/2017 09:05												
10SA	07/25/2017 19:30	07/25/2017 22:15								92	12.6	114	40
10SA	07/26/2017 04:20	07/26/2017 06:55	7.4							61	8.0	41	13

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)
10SA	08/03/2017 07:15	08/03/2017 13:45	Rain	Composite	67								30	< 0.02
10SA	08/06/2017 13:50	08/06/2017 16:25	Rain	Composite	75								23	0.13
10SA	08/09/2017 12:25	08/10/2017 01:50	Rain	Composite	75							44	29	0.08
10SA	08/15/2017 10:20		E Coli	Grab	68	19.7	268.0	8.08	7.6	0.14	298.3	80		
10SA	08/16/2017 04:35	08/16/2017 08:55	Rain	Composite	68								29	0.08
10SA	08/22/2017 10:30		Base	Grab	65	19.0	672.0	6.19	7.6	0.37	759.0	90	236	0.11
10SA	08/28/2017 09:10		Base	Grab	65	19.8	375.0	7.23	7.6	0.20	416.3	86	127	< 0.02
10SA	09/06/2017 09:50		E Coli	Grab	59	17.8	475.3	4.75	7.6	0.27	550.7	34		
10SA	09/12/2017 10:20		Base	Grab	70	18.3	777.0	8.50	7.9	0.44	891.0	> 100	323	~ 0.04
10SA	09/18/2017 10:35	09/18/2017 18:00	Rain	Composite	62								71	~ 0.02
10SA	09/20/2017 03:05	09/20/2017 10:25	Rain	Composite	70								38	< 0.02
10SA	09/20/2017 10:30		E Coli	Grab	70							22		
10SA	09/24/2017 22:20	09/25/2017 10:55	Rain	Composite	60								66	0.11
10SA	09/25/2017 23:15	09/26/2017 08:50	Rain	Composite	60								60	~ 0.06
10SA	09/28/2017 10:10		Base	Grab	60	17.7	446.7	8.74	7.8	0.25	519.5	42	184	< 0.02
10SA	10/02/2017 02:15	10/02/2017 04:40	Rain	Composite	60								17	0.12
10SA	10/04/2017 10:00		E Coli	Grab	51	15.7	396.5	9.38	8.1	0.20	482.9	85		
10SA	10/06/2017 17:15	10/07/2017 09:15	Rain	Composite	52								55	0.15
10SA	10/09/2017 10:20		Base	Grab	53	16.2	421.2	8.69	7.4	0.25	506.4	52	166	< 0.02
10SA	10/18/2017 09:30		E Coli	Grab	50									
10SA	10/21/2017 07:25	10/21/2017 16:10	Rain	Composite	50								54	< 0.02
10SA	10/24/2017 10:00		Base	Grab	40	13.8	422.2	7.57	7.3	0.26	537.3	42	169	< 0.02
10SA	10/27/2017 05:05	10/27/2017 19:25	Rain	Composite	35								78	~ 0.02
10SA	11/01/2017 10:25		E Coli	Grab	32	10.3	439.2	7.98	7.9	0.30	610.0	> 100		
10SA	11/07/2017 10:25		Base	Grab	30	9.7	347.7	9.17	8.0	0.24	491.3	70	144	< 0.02
10SA	11/15/2017 10:10		E Coli	Grab	30	8.8	752.0	9.28	7.3	0.54	1088.0	20		
10SA	11/21/2017 10:00		Base	Grab	20	8.1	603.0	8.48	7.9	0.44	891.0	47	201	0.09
10SA	12/04/2017 19:05	12/04/2017 23:55	Rain	Composite	15								50	0.69
10SA	12/08/2017 10:35		Base	Grab	25	6.8	1862.0	9.73	7.9	1.48	2856.0	49	161	< 0.02
10SA	12/19/2017 10:30		Base	Grab	35	6.6	3528.0	11.35	7.9	2.94	5443.0	12	236	0.15

2017 Stormwater Sample Data at 10SA August - December continued

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)	Sulfate (mg/L)	
			Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)										
10SA	08/03/2017 07:15	08/03/2017 13:45		73	11.0	< 0.02		0.24		39	1.70	0.16	< 0.03	4.0	
10SA	08/06/2017 13:50	08/06/2017 16:25	4.0	51	4.8	~ 0.02	0.03	0.27		26	1.90	0.24	< 0.03	2.1	
10SA	08/09/2017 12:25	08/10/2017 01:50		32	8.6	~ 0.03		0.10		~ 20	0.86	0.26	< 0.03	3.3	
10SA	08/15/2017 10:20								730						
10SA	08/16/2017 04:35	08/16/2017 08:55		30	9.1	~ 0.04	0.04	0.22		~ 17	0.64	0.22	< 0.03	3.9	
10SA	08/22/2017 10:30		2.8	23	78.4	0.12	0.10	0.16		255	1.70	1.08	0.04	24.7	
10SA	08/28/2017 09:10		3.9	25	43.0	0.02	0.01	0.08	846	128	0.66	0.42	< 0.03	12.8	
10SA	09/06/2017 09:50								24200						
10SA	09/12/2017 10:20		0.7	20	89.0	0.23	0.19	0.24		354	0.76	1.09	< 0.03	29.6	
10SA	09/18/2017 10:35	09/18/2017 18:00	11.0	70	21.5	0.11	0.07	0.30		61	1.50	0.34	< 0.03	7.2	
10SA	09/20/2017 03:05	09/20/2017 10:25		106	10.0	~ 0.03		0.45		38	2.00	0.23	< 0.03	4.0	
10SA	09/20/2017 10:30								9210						
10SA	09/24/2017 22:20	09/25/2017 10:55		47	20.8	0.06		0.23		61	1.30	0.30	< 0.03	7.3	
10SA	09/25/2017 23:15	09/26/2017 08:50		34	18.8	0.07		0.17		51	0.94	0.16	< 0.03	5.6	
10SA	09/28/2017 10:10		5.8	41	43.9	0.15	0.11	0.31		184	2.00	0.39	< 0.03	13.4	
10SA	10/02/2017 02:15	10/02/2017 04:40	5.2	60	4.7	0.05	0.04	0.17		~ 15	0.90	0.22	< 0.03	2.1	
10SA	10/04/2017 10:00								1080						
10SA	10/06/2017 17:15	10/07/2017 09:15		26	17.1	0.08		0.10		53	0.60	0.26	< 0.03		
10SA	10/09/2017 10:20		6.3	29	40.4	~ 0.03	< 0.01	0.10		109	188	0.65	0.40	< 0.03	17.2
10SA	10/18/2017 09:30								930						
10SA	10/21/2017 07:25	10/21/2017 16:10		51	18.9	0.10		0.31		56	1.30	0.10	< 0.03	5.6	
10SA	10/24/2017 10:00		6.3	36	47.7	0.08	0.05	0.25		188	1.00	0.19	< 0.03	16.5	
10SA	10/27/2017 05:05	10/27/2017 19:25		65	25.7	0.19		0.25		63	0.75	< 0.05	< 0.03	7.0	
10SA	11/01/2017 10:25								50						
10SA	11/07/2017 10:25		3.2	45	45.7	0.10	0.07	0.15	1046	163	0.72	0.52	< 0.03	17.7	
10SA	11/15/2017 10:10								19860						
10SA	11/21/2017 10:00		3.5	42	121.0	0.14	0.08	0.20		223	1.20	0.68	0.07	25.6	
10SA	12/04/2017 19:05	12/04/2017 23:55	> 9.2	99	33.8	0.11	0.10	0.45		50	2.30	0.51	0.04	6.8	
10SA	12/08/2017 10:35		4.7	46	830.9	0.13	0.10	0.24	9800	160	1.30	0.25	< 0.03	15.8	
10SA	12/19/2017 10:30		3.2	39	1490.8	0.21	0.17	0.29	48	311	1.10	0.64	0.04	26.6	

2017 Stormwater Sample Data at 10SA August - December continued

Station	Sample Start	Sample End	Total Biological							Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
			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)				
10SA	08/03/2017 07:15	08/03/2017 13:45								89	11.1	102	35
10SA	08/06/2017 13:50	08/06/2017 16:25	6.3							50	5.1	177	30
10SA	08/09/2017 12:25	08/10/2017 01:50		~ 0.0002	0.0055	0.0086	0.0017	0.0016	0.0236	64	6.2	23	8
10SA	08/15/2017 10:20												
10SA	08/16/2017 04:35	08/16/2017 08:55								70	6.9	18	7
10SA	08/22/2017 10:30		2.9	< 0.0002	0.0007	0.0339	~ 0.0004	0.0014	0.0071	431	8.2	3	~ 2
10SA	08/28/2017 09:10		4.2							248	6.9	4.5	3.5
10SA	09/06/2017 09:50												
10SA	09/12/2017 10:20		1.2							538	5.7	~ 2	~ 1
10SA	09/18/2017 10:35	09/18/2017 18:00	13.0							151	14.2	41	19
10SA	09/20/2017 03:05	09/20/2017 10:25								89	8.0	190	50
10SA	09/20/2017 10:30												
10SA	09/24/2017 22:20	09/25/2017 10:55								142	11.7	34	12
10SA	09/25/2017 23:15	09/26/2017 08:50								128	11.4	8	5
10SA	09/28/2017 10:10		5.9	< 0.0002	< 0.0005	0.0484	~ 0.0003	0.0010	< 0.0050	308	7.7	8	8
10SA	10/02/2017 02:15	10/02/2017 04:40	6.4							48	5.1	58	20
10SA	10/04/2017 10:00												
10SA	10/06/2017 17:15	10/07/2017 09:15								106		22	6
10SA	10/09/2017 10:20		6.8							292	5.3	8	7
10SA	10/18/2017 09:30												
10SA	10/21/2017 07:25	10/21/2017 16:10		< 0.0002	0.0020	0.0137	0.0017	0.0019	0.0355	112	10.4	32	14
10SA	10/24/2017 10:00		6.6	< 0.0002	0.0003	0.0116	0.0002	0.0012	0.0061	313	9.7	7.5	7
10SA	10/27/2017 05:05	10/27/2017 19:25								148	12.5	15	10
10SA	11/01/2017 10:25												
10SA	11/07/2017 10:25		3.8							265	9.0	4	
10SA	11/15/2017 10:10												
10SA	11/21/2017 10:00		4.1	< 0.0002	0.0008	0.0049	0.0006	0.0016	0.0107	496	11.5	7	
10SA	12/04/2017 19:05	12/04/2017 23:55	> 9.1							149	10.7	53	26
10SA	12/08/2017 10:35		5.7							1460	6.8	5	~ 4
10SA	12/19/2017 10:30		3.5	< 0.0002	0.0031	0.0063	0.0021	0.0033	0.0223	2910	2.7	26	~ 6