

Station	Sample Start	Sampling 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)
6UMN-outfall	01/08/2018 10:55		Base	Grab	31	7.9	887.0	11.08	8.1	0.66	1317.0	44	328.0	~ 0.03
6UMN-outfall	01/30/2018 11:35		Base	Grab	8	5.5	779.0	11.92	8.3	0.62	1242.0	> 100	345.0	~ 0.03
6UMN-outfall	02/13/2018 11:40		Base	Grab	15	6.9	788.0	13.72	8.5	0.60	1205.0	> 100	348.0	< 0.02
6UMN-outfall	02/22/2018 11:40		Base	Grab	20	6.9	857.0	11.70	8.4	0.66	1309.0	> 100	343.0	~ 0.05
6UMN-outfall	03/08/2018 10:25		Base	Grab	20	7.0	916.0	11.48	7.9	0.70	1397.0	> 100	339.0	~ 0.05
6UMN-outfall	04/02/2018 10:55		Base	Grab	30	7.8	846.0	11.45	7.7	0.63	1262.0	> 100	329.0	< 0.02
6UMN-outfall	04/12/2018 10:20		E Coli	Composite	40	8.7	908.0	10.38	7.5	0.66	1319.0	78		
6UMN-outfall	05/24/2018 10:30		E Coli	Composite	82	13.4	958.0	10.23	7.9	0.62	1230.0	> 100		
6UMN-outfall	05/29/2018 15:10	05/29/2018 16:30	Rain	Composite									31.0	0.35
6UMN-outfall	05/29/2018 18:55	05/29/2018 20:55	Rain	Composite									40.0	0.48
6UMN-outfall	08/09/2018 10:35		E Coli	Composite	79	16.2	1029.0	9.70	7.9	0.62	1238.0	> 100		
6UMN-outfall	08/10/2018 10:35		Base	Grab	80	15.3	998.0	9.93	7.9	0.61	1225.0	> 100	301.5	0.05
6UMN-outfall	08/23/2018 10:15		E Coli	Composite	71	16.7	1023.0	9.81	7.8	0.61	1217.0	> 100		
6UMN-outfall	08/24/2018 10:40	08/24/2018 11:30	Rain	Composite	80								22.0	0.16
6UMN-outfall	08/28/2018 08:55	08/28/2018 09:40	Rain	Composite	75								83.0	0.09
6UMN-outfall	08/30/2018 11:15		Base	Grab	65	14.9	910.0	9.94	7.7	0.56	1129.0	> 100	325.0	~ 0.04
6UMN-outfall	09/04/2018 14:35	09/04/2018 16:15	Rain	Composite	70								28.0	~ 0.02
6UMN-outfall	09/10/2018 10:25		Base	Grab	63	15.1	1006.0	10.03	7.5	0.62	1241.0	> 100	327.5	0.03
6UMN-outfall	09/12/2018 09:55		E Coli	Composite	70	17.1	1050.0	9.75	7.7	0.62	1236.0	> 100		
6UMN-outfall	09/17/2018 14:50	09/17/2018 17:10	Rain	Composite	60								36.0	0.25
6UMN-outfall	09/18/2018 02:45	09/18/2018 03:50	Rain	Composite	60								23.0	0.39
6UMN-outfall	09/20/2018 07:15	09/20/2018 14:10	Rain	Composite	52								31.0	0.06
6UMN-outfall	09/26/2018 10:45		E Coli	Composite	50	13.1	964.0	10.75	7.8	0.63	1247.0	> 100		
6UMN-outfall	11/26/2018 11:30		Base	Grab	19	7.8	742.0	11.57	7.1	0.55	1107.0	> 100	342.0	~ 0.05
6UMN-outfall	12/04/2018 10:50		Base	Grab	23	8.3	918.0	11.37	7.4	0.68	1348.0	> 100	345.0	0.06
6UMN-outfall	12/17/2018 11:15		Base	Grab	29	8.6	877.0	10.88	8.4	0.64	1277.0	> 100	333.5	0.05

2018 Stormwater Sample Data at 6UMN-outfall continued

Station	Sample Start	Sampling End	Carbonaceous	Chemical			Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/ mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrate-Nitrite (mg/L)
			Biological Oxygen Demand 5-day (mg/L)	Oxygen Demand (mg/L)	Chloride (mg/L)									
6UMN-outfall	01/08/2018 10:55		0.9	18	194.8	< 0.02	~ 0.01	0.09		499	0.49	0.85	< 0.03	
6UMN-outfall	01/30/2018 11:35		0.7	< 5	167.2	< 0.02	~ 0.01	~ 0.04	1	498	0.32	0.82	< 0.03	
6UMN-outfall	02/13/2018 11:40		0.9	16	178.9	< 0.02	0.01	~ 0.03		506	0.30	0.93	< 0.03	
6UMN-outfall	02/22/2018 11:40		0.7	19	201.9	< 0.02	0.01	< 0.02	1	526	0.36	0.86	< 0.03	
6UMN-outfall	03/08/2018 10:25		0.7	< 5	249.1	< 0.02	~ 0.01	~ 0.03		426	0.32	0.95	< 0.03	
6UMN-outfall	04/02/2018 10:55		0.9	~ 8	164.0	< 0.02	0.02	~ 0.04	291	509	0.44	0.80	< 0.03	
6UMN-outfall	04/12/2018 10:20								< 10					
6UMN-outfall	05/24/2018 10:30								10					
6UMN-outfall	05/29/2018 15:10	05/29/2018 16:30		187	15.0	< 0.02		0.54		32	3.40	0.67	0.06	
6UMN-outfall	05/29/2018 18:55	05/29/2018 20:55		74	26.7	~ 0.02		0.22		40	2.20	0.98	0.10	
6UMN-outfall	08/09/2018 10:35								90					
6UMN-outfall	08/10/2018 10:35		1.2	12	186.3	< 0.02	~ 0.01	0.03		389	0.37	1.06	1.06	< 0.03
6UMN-outfall	08/23/2018 10:15													
6UMN-outfall	08/24/2018 10:40	08/24/2018 11:30		93	5.6	0.10		0.35		37	1.60			
6UMN-outfall	08/28/2018 08:55	08/28/2018 09:40		68	39.3	~ 0.05		0.23		108	1.40	0.59	0.63	0.04
6UMN-outfall	08/30/2018 11:15		1.2	~ 7	142.0	~ 0.05	0.03	~ 0.05		389	0.29	0.98	0.98	< 0.03
6UMN-outfall	09/04/2018 14:35	09/04/2018 16:15		68	9.8	~ 0.05		0.17		43	1.00	0.34	0.34	< 0.03
6UMN-outfall	09/10/2018 10:25		1.1	< 5	158.0	< 0.02	~ 0.01	~ 0.04		435	0.47	2.54	5.08	< 0.03
6UMN-outfall	09/12/2018 09:55								20					
6UMN-outfall	09/17/2018 14:50	09/17/2018 17:10	> 8.7	94	15.8	0.09	0.05	0.32		50	2.20	0.46	0.54	0.08
6UMN-outfall	09/18/2018 02:45	09/18/2018 03:50	6.0	70	9.5	0.05	0.06	0.23		34	1.30	0.49	0.52	0.04
6UMN-outfall	09/20/2018 07:15	09/20/2018 14:10	4.5	55	12.3	0.06	0.05	0.22		32	0.89	0.26	0.29	0.03
6UMN-outfall	09/26/2018 10:45								529					
6UMN-outfall	11/26/2018 11:30		1.2	~ 7	158.7	< 0.02	0.01	~ 0.03		520	0.24	1.20	1.20	< 0.03
6UMN-outfall	12/04/2018 10:50		0.8	~ 9	217.6	0.06	0.04	0.08		486	0.34	1.10	1.10	< 0.03
6UMN-outfall	12/17/2018 11:15		1.2	6	184.6	< 0.02	0.02	~ 0.04	17	490	0.29	1.09	1.09	< 0.03

2018 Stormwater Sample Data at 6UMN-outfall continued

Station	Sample Start	Sampling 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)
6UMN-outfall	01/08/2018 10:55		5.36	0.7							702	6.4	6	~ 2
6UMN-outfall	01/30/2018 11:35		59.00	0.2	< 0.0004	0.0004	0.0019	~ 0.0006	0.0068	< 0.0100	648	1.7	~ 2	~ 1
6UMN-outfall	02/13/2018 11:40		58.00	< 0.2							653	1.8	~ 1	< 1
6UMN-outfall	02/22/2018 11:40		56.80	0.4							716	1.9	< 1	< 1
6UMN-outfall	03/08/2018 10:25		54.50	0.5	< 0.0002	0.0002	0.0012	~ 0.0003	0.0057	0.0070	724	1.8	~ 1	< 1
6UMN-outfall	04/02/2018 10:55		56.50	0.4	< 0.0002	0.0002	0.0013	~ 0.0004	0.0054	0.0071	686	2.5	~ 1	~ 1
6UMN-outfall	04/12/2018 10:20													
6UMN-outfall	05/24/2018 10:30													
6UMN-outfall	05/29/2018 15:10	05/29/2018 16:30	7.00		~ 0.0004	0.0175	0.0413	0.0286	0.0125	0.2460	86	8.9	332	77
6UMN-outfall	05/29/2018 18:55	05/29/2018 20:55	8.71		< 0.0002	0.0070	0.0158	0.0070	0.0052	0.0764	131	9.3	66	21
6UMN-outfall	08/09/2018 10:35													
6UMN-outfall	08/10/2018 10:35		58.25	0.8	< 0.0002	0.0002	0.0015	0.0001	0.0058	0.0046	679	1.9	1	1
6UMN-outfall	08/23/2018 10:15													
6UMN-outfall	08/24/2018 10:40	08/24/2018 11:30	3.73		~ 0.0004	0.0083	0.0262	0.0204	0.0066	0.1760	57	5.7	200	44
6UMN-outfall	08/28/2018 08:55	08/28/2018 09:40	15.00								200	8.5	61	19
6UMN-outfall	08/30/2018 11:15		50.40	0.8							642	1.9	~ 1	~ 1
6UMN-outfall	09/04/2018 14:35	09/04/2018 16:15	4.18		< 0.0002	0.0074	0.0153	0.0104	0.0041	0.1060	74	6.4	92	26
6UMN-outfall	09/10/2018 10:25		60.10	0.6	< 0.0002	< 0.0005	0.0016	0.0004	0.0056	0.0038	700	2.0	~ 1	~ 1
6UMN-outfall	09/12/2018 09:55													
6UMN-outfall	09/17/2018 14:50	09/17/2018 17:10	6.50	> 8.5							95	13.7	90	30
6UMN-outfall	09/18/2018 02:45	09/18/2018 03:50	3.32	6.4							69	5.6	104	33
6UMN-outfall	09/20/2018 07:15	09/20/2018 14:10	4.61	5.7							77	5.9	117	30
6UMN-outfall	09/26/2018 10:45													
6UMN-outfall	11/26/2018 11:30		59.90	0.8							667	1.7	~ 1	< 1
6UMN-outfall	12/04/2018 10:50		59.80	0.3	< 0.0002	~ 0.0001	0.0010	~ 0.0002	0.0061	< 0.0100	769	1.4	< 1	< 1
6UMN-outfall	12/17/2018 11:15		58.25	0.9							734	1.6	~ 2	~ 1