

Table 37

Station Name Plum Creek at CR 202 (Old McMahon Road)
 TCEQ Segment No. 1810
 TCEQ Station Id No. 12647
 Monitoring Type Routine
 Latitude 29.865290 Longitude -97.615261

Parameter	Date and 24 hour time											
	Parameter Code	2/18/08	3/12/08	4/09/08	5/07/08	6/11/08	7/03/08	8/06/08	8/19/08	9/09/08	10/7/08	11/12/08
Flow (cfs)	00061	9.2	43	6	5.4	2.6	2.6	1.9	6.6	2.1	3.2	2
E coli (organisms/100 mL)	31699	46	2250	68	340	110	220	74	690	180	84	130
Suspended Solids (mg/L)	00530	15.7	84.5	4	8.3	9.3	17	10.3		9	22	5.3
Turbidity (NTU)	82079	8.17	52.6	5.53	12	7.79	11.3	7.8		8.58	13.6	3.96
pH	00400	8.04	7.83	7.81	8	7.97	7.8	8	7.9	7.9	7.9	7.8
Temperature (C)	00010	15.1	14.9	22.8	22.6	26.7	25.4	26.9	25.2	26.5	23.7	20.5
Dissolved Oxygen (mg/L)	00300	11.1	9.66	6.55	7.2	7.31	7.2	7.3	6.8	8.5	7.3	7.2
Conductivity (umhos/cm)	00094	1054	561	942	857	969	861	838	1290	892	936	963
Total Phosphorus (mg/L)	00665	1.32	0.62	0.99	0.84	1.42	1.05	1.46	1.21	0.95	2.21	1.34
Nitrate-N (mg/L)	00620	8	1.40	3.56	3.72	5.04	4.1	6.78	2.44	5.41	13.6	10.4
Chloride (mg/L)	00940	105	27	95.2	65.7	105	77.9	77.8		84.5	95.5	93.5
Sulfate (mg/L)	00945	103	40.4	85.6	71.4	77.5	68.5	69		64.3	68.8	81.5
Total Hardness (mg/L)	00900	323	176	307	296	298	267	291		276	319	317
Ammonia-N (mg/L)	00610	<0.10	0.10	0.19	<0.10	0.12	0.13	0.14	0.11	0.1	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	1	4	1.2	1.2	2.1	3.5	6.7		1.8	3.6	3
Pheophytin (mg/m ³)	32218	<1.0	1.9	<1.0	<1.0	<1.0	1.3	<1.0		<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625											

Parameter	Date and 24 hour time											
	Parameter Code	12/14/08	1/07/09	3/16/09	4/28/09	5/05/09	6/03/09	7/06/09	8/03/09	9/03/09	9/15/09	10/05/09
Flow (cfs)	00061	3.8	4.9	8.3	5.4	5	2.1	1.5	1.3	1.3	9.8	283
E coli (organisms/100 mL)	31699	77	170	210	900	160	280	150	200	55	1380	2010
Suspended Solids (mg/L)	00530	5	<1.0			41.7	15.7	8.3	7.3	13.7		414
Turbidity (NTU)	82079	3.66	3.15			23.6	9.69	5.3	3.4	9.6		389
pH	00400	7.7	7.8	8	7.8	7.8	7.9	7.7	8	7.8	7.7	7.9
Temperature (C)	00010	12.7	11.6	14.7	21.7	23.8	25.1	28.1	27.9	25.8	24.1	23.3
Dissolved Oxygen (mg/L)	00300	7.5	11.7	13.6	7.7	7.1	9.5	4.4	8.1	7.6	7	8.3
Conductivity (umhos/cm)	00094	1090	1040	1140	665	870	912	1010	978	976	501	396
Total Phosphorus (mg/L)	00665	1.72	1.94	2.26	1.06	1.34	2.14	1.94	2.14	2.16	0.94	0.6
Nitrate-N (mg/L)	00620	8.86	9.75	11.5	2.23	3.58	5.8	3.32	5.88	6.28	1.52	1.07
Chloride (mg/L)	00940	123	113			98	93.4		112	110		23.5
Sulfate (mg/L)	00945	92.9	86.2			66.8	60.2		65.7	63.5		43.2
Total Hardness (mg/L)	00900	348	324			259	281	274	278	265		231
Ammonia-N (mg/L)	00610	0.15	0.1	<0.10	0.18	0.16	0.11	0.2	0.21	0.14	0.13	0.13
Chlorophyll a (mg/m ³)	32211	<1.0	<1.0			1.1	2	3.7	1.7	2.4		<1
Pheophytin (mg/m ³)	32218	<1.0	<1.0			<1.0	<1.0	<1.0	<1.0	1.2		<1
Total Kjeldahl Nitrogen (mg/L)	00625											1.68

Parameter	Date and 24 hour time											
	Parameter Code	11/04/09	12/01/09	1/12/10	2/3/10	3/10/10	4/14/10	5/4/10	6/16/10	7/6/10	8/3/10	9/15/10
Flow (cfs)	00061	21	13	10.9	1010	24.9	8.4	6.3	14.6	10.6	4.3	51
E coli (organisms/100 mL)	31699	61	160	16	280	160	160	73	110	480	260	360
Suspended Solids (mg/L)	00530	19.7	12	2	17.3	12	1	9.7	26.3	36.7	42.3	38.7
Turbidity (NTU)	82079	14.6	16.4	3	14.8	6.9	9.2	7.8	19.1	28.2	13.5	30.5
pH	00400	8	7.7	8.2	7.9	7.9	8	8	7.8	8	8	8
Temperature (C)	00010	18.1	13.2	8.1	11	18.6	20	20.9	28.1	28.3	27.4	28.3
Dissolved Oxygen (mg/L)	00300	9.6	10.9	11.2	12.1	10.3	12.3	8.8	6.5	7.5	10.3	6.5
Conductivity (umhos/cm)	00094	670	801	916	735	827	1000	1000	742	646	827	681
Total Phosphorus (mg/L)	00665	0.5	0.5	0.62	0.46	0.47	0.69	0.65	0.47	0.79	0.86	0.55
Nitrate-N (mg/L)	00620	3.81	3.08	5.76	5.16	3.2	5.66	5.72	2.98	2.8	8.4	3.34
Chloride (mg/L)	00940	45.5	67.7	83.8	50.1	68.6	91.2	92.4	68.6	56.1	67.2	75.8
Sulfate (mg/L)	00945	55.6	89	106	72.8	73.6	98.8	95.4	71.3	64	76.5	65.8
Total Hardness (mg/L)	00900	239	310	331	278	290	326	324	237	218	286	201
Ammonia-N (mg/L)	00610	<0.1	0.12	<0.10	<0.10	<0.10	0.13	0.17	0.12	0.12	0.13	<0.1
Chlorophyll a (mg/m ³)	32211	<1	<1	1	<1	1.5	4.1	<1	1.2	<1.0	1.5	<1
Pheophytin (mg/m ³)	32218	<1	<1	<1	<1	1.3	3.5	<1	1.1	<1.0	2	<1
Total Kjeldahl Nitrogen (mg/L)	00625		0.84		0.94		0.91		0.71		0.75	

Table 37

Station Name Plum Creek at CR 202 (Old McMahon Road)

TCEQ Segment No. 1810
 TCEQ Station Id No. 12647
 Monitoring Type Routine
 Latitude 29.865290 Longitude -97.615261

Parameter	Parameter Code	Date and 24 hour time										
		10/07/10 1259	11/15/10 1234	12/02/10 1234	1/5/11 1228	2/7/11 1202	3/3/11 1133	4/5/11 1230	5/13/11 1309	6/2/11 1347	7/12/2011 1207	08/01/11 1239
Flow (cfs)	00061	6.4	4.9	5.4	6.3	9.8	6.3	5.5	3.6	3.1	1.3	1.6
E coli (organisms/100 mL)	31699	79	190	96	190	36	210	210	13000	410	330	550
Suspended Solids (mg/L)	00530	9.4	5.9	6.2	6.1	2.6	12.4	11	21.3	30.8	25.8	18.4
Turbidity (NTU)	82079	5.2	2.8	3.2	4.5	2.8	5.2	7.3	12.5	22.8	16.0	7.1
pH	00400	8.1	7.9	8	8	8.3	8.1	8	7.7	8.1	8.0	8
Temperature (C)	00010	18.7	15.7	22.6	14.1	9.7	15.7	18.2	22.9	26.5	27.8	28.8
Dissolved Oxygen (mg/L)	00300	9	8.1	10.2	9.9	13.4	10.1	8.3	6.3	7.7	6.6	7.4
Conductivity (umhos/cm)	00094	865	1030	1020	909	902	981	1040	827	1000	960	990
Total Phosphorus (mg/L)	00665	0.93	1.74	1.47	1.21	1.06	1.05	1.26	1.28	1.38	1.73	2.69
Nitrate-N (mg/L)	00620	9.42	16.3	13.2	9.6	7.64	6.96	4	3.79	6.56	6.28	16.1
Chloride (mg/L)	00940	81.8	96.2	104	89.4	75.3	106	128	95.2	119	102	102
Sulfate (mg/L)	00945	72.2	82.7	79.9	77	75.4	89	76.9	66.6	78.6	73.7	64.4
Total Hardness (mg/L)	00900	269	320	323	278	292	296	291	248	318	286	262
Ammonia-N (mg/L)	00610	0.13	0.1	0.11	0.13	0.13		0.22	0.16	0.13	0.18	0.17
Chlorophyll a (mg/m ³)	32211	<1.0	1.1	<1	<1	<1	<1	1.2	2.4	4.9	5.0	3.2
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1	<1	<1	1	1.5	1.8	<1	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.58		0.61		0.53		0.79	1.37	0.7	0.58	0.67

Parameter	Parameter Code	Date and 24 hour time										
		09/13/11 1249	10/10/11 1354	11/7/11 1208	12/6/11 1308	1/10/2012 1246	2/13/2012 1259	3/6/12 1245	4/4/12 1225	5/2/12 1237	6/14/12 1229	7/10/12 1214
Flow (cfs)	00061	2	3.1	1.6	44	12.4	50	25	95	6.1	5.2	3.1
E coli (organisms/100 mL)	31699	200	910	190	410	150	480	160	250	690	130	1200
Suspended Solids (mg/L)	00530	15.5	38.5	15.8	63.7	25.1	37.1	10.6	59.7	10.9	9.3	23.2
Turbidity (NTU)	82079	8.2	18.6	8.1	48.7	13.9	34.4	6.6	54.4	7	4.9	12.9
pH	00400	7.8	7.8	7.9	7.8	8.0	7.9	8	7.8	7.9	8.1	8.1
Temperature (C)	00010	25.7	22.5	20.1	10.8	12.7	10.4	16.9	22.9	24	27.4	26.2
Dissolved Oxygen (mg/L)	00300	8.2	6.8	8.4	10.4	10.7	10.5	9.6	7.1	6.8	7.2	6.4
Conductivity (umhos/cm)	00094	1030	1140	1030	1040	990	659	790	473	976	952	870
Total Phosphorus (mg/L)	00665	2.27	1.65	1.8	2.21	1.13	0.38	0.46	0.22	0.8	0.99	1.46
Nitrate-N (mg/L)	00620	10	3.5	11.4	6.98	5.20	5.24	4.04	1.14	4.36	3.88	7.48
Chloride (mg/L)	00940	115	135	117	121	111	48.8	57	24	94.6	90.3	82.1
Sulfate (mg/L)	00945	56.8	86	75.6	90	88.3	68.8	107	40	80.7	97.2	319
Total Hardness (mg/L)	00900	276	296	300	266	294	245	288	205	321	290	278
Ammonia-N (mg/L)	00610	<0.10	<0.1	0.1	0.14	0.34	0.26	0.26	0.44	0.34	0.26	0.31
Chlorophyll a (mg/m ³)	32211	1.6	2	4.9	1.1	1.8	2.4	1	4.7	<1	1.7	<1
Pheophytin (mg/m ³)	32218	<1.0	<1	<1	<1	<1.0	<1.0	<1	<1	1.4	<1	2.3
Total Kjeldahl Nitrogen (mg/L)	00625	0.54	0.68	0.51	1.15	0.87	0.79	0.6	0.98	0.97	1.03	1.46

Parameter	Parameter Code	Date and 24 hour time										
		8/14/12 1228	9/5/12 1235	10/1/12 1251	11/14/12 1138	12/18/12 1403	1/7/13 1357	2/4/13 1421	3/20/13 1343	4/4/13 1350	5/9/13 1554	6/5/13 1338
Flow (cfs)	00061	2.6	2.3	18	3.4	4.6	4.7	5.7	6.2	14	2.5	6.6
E coli (organisms/100 mL)	31699	230	210	1300	110	250	170	390	440	1500	120	210
Suspended Solids (mg/L)	00530	6.27	7.2	86	6.9	12.4	4.14	17.2	18	74	11	40.2
Turbidity (NTU)	82079	5.5	5.8	60.9	6.1	7.4	3.7	10.1	10.9	53.5	6.24	31.9
pH	00400	8	7.9	7.9	7.9	8	8.3	8.2	7.8	7.8	8	7.7
Temperature (C)	00010	27.7	27	22.3	14.6	15.3	9.9	16.9	20.4	15.8	22.3	26.6
Dissolved Oxygen (mg/L)	00300	8.7	7.9	7.5	10	11	12.1	11.2	9.5	8.3	7.4	6.5
Conductivity (umhos/cm)	00094	876	954	1020	1030	1110	1020	1030	652	999	1020	833
Total Phosphorus (mg/L)	00665	1.82	2.01	2.15	1.32	2.35	1.31	1.3	1.42	1.6	1.22	1.1
Nitrate-N (mg/L)	00620	7.88	12.6	11.6	5.36	5.36	9.68	7.28	2.53	4.88	4.34	3.18
Chloride (mg/L)	00940	99.4	106	138	115	130	120	138	110	134	126	93.1
Sulfate (mg/L)	00945	85.4	65.3	87.2	72.7	75.1	79.6	86	80.2	81.6	77.5	63.7
Total Hardness (mg/L)	00900	268	275	275	297	340	292	288	292	245	291	223
Ammonia-N (mg/L)	00610	0.17	0.18	0.24	0.16	0.9	0.17	0.18	0.26	0.2	0.16	0.17
Chlorophyll a (mg/m ³)	32211	4.8	1.78	<1	<1	3.96	<1	1.13	<1	4.27	1.48	<1
Pheophytin (mg/m ³)	32218	1.9	<1	9.74	<1	56.9	<1	8.32	15.3	2.08	1.22	<1
Total Kjeldahl Nitrogen (mg/L)	00625	0.34	<0.2	0.47	0.37	1.94	<0.2	0.39	1.84	1.08	0.71	0.83

Table 37

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TCEQ Segment No. 1810
 TCEQ Station Id No. 12647
 Monitoring Type Routine
 Latitude 29.865290 Longitude -97.615261

Parameter	Parameter Code	Date and 24 hour time										
		7/1/2013 1249	8/7/13 1236	9/10/13 1227	10/2/13 1232	11/18/13 1251	12/4/13 1230	1/13/14 1204	2/5/14 1350	3/10/14 1411	4/9/14 1222	5/8/14 1306
Flow (cfs)	00061	3.1	1.7	1.5	88	264	18	7.7	6.8	22	4.7	3.3
E coli (organisms/100 mL)	31699	220	260	370	50	130	370	120	340	280	460	250
Suspended Solids (mg/L)	00530	10.8	10	12.8	161	47.5	11.8	4.10	1.50	12.7	5.10	8.20
Turbidity (NTU)	82079	6.9	5.4	6.8	130	41	9.5	2.6	1.7	11.5	3.5	8.8
pH	00400	7.9	7.8	7.87	7.8	7.8	7.8	8.2	7.9	7.9	8.0	7.8
Temperature (C)	00010	26.3	28.4	26.2	25.4	18.7	16	13.1	10.6	15.4	17.4	23.0
Dissolved Oxygen (mg/L)	00300	6.8	7.3	7.3	7	8.3	8.4	9.1	13.3	10.1	11.8	6.3
Conductivity (umhos/cm)	00094	828	1020	1070	718	291	738	969	1050	1010	1110	1100
Total Phosphorus (mg/L)	00665	1.3	1.73	1.92	0.47	0.19	0.52	0.99	1.21	1.00	1.62	1.97
Nitrate-N (mg/L)	00620	4.96	4.6	6.44	0.96	0.51	4.04	5.12	4.60	7.80	6.2	3.70
Chloride (mg/L)	00940	83.1	122	138	110	9.04	55.6	104	93.6	123	138	136
Sulfate (mg/L)	00945	56.4	69.1	85	61.9	17.3	84.4	109	94.4	96.7	98.2	84.6
Total Hardness (mg/L)	00900	238	270	274	181	134	270	282	273	286	281	318
Ammonia-N (mg/L)	00610	0.13	0.17	0.21	<0.1	<0.1	0.11	<0.10	<0.10	0.34	0.26	0.35
Chlorophyll a (mg/m ³)	32211	1.87	<1	4.36	13.5	1.82	1.39	4.45	2.08	---	1.66	<1.0
Pheophytin (mg/m ³)	32218	<1	<1	1.14	<1	1.92	<1	1.45	<1.0	---	<1.0	6.52
Total Kjeldahl Nitrogen (mg/L)	00625	0.5	0.28	0.31	0.93	0.46	0.47	0.70		1.30	0.886	1.05

Parameter	Parameter Code	Date and 24 hour time										
		6/10/14 1241	7/2/14 1240	8/6/14 1219	9/3/14 1318	10/6/14 1255	11/3/14 1339	12/1/14 1348	1/5/15 1246	2/3/15 1246	3/11/15 1325	4/8/15 1336
Flow (cfs)	00061	9	3.2	2.2	2.8	5.5	3.2	14	29	45	454	17
E coli (organisms/100 mL)	31699	340	550	460	220	290	170	240	1400	170	1900	160
Suspended Solids (mg/L)	00530	14.5	5.40	8.70	8.80	13.7	6.50	11.8	22.6	23.4	129	12.1
Turbidity (NTU)	82079	---	3.5	5.6	4.1	8.0	2.4	12.9	22.8	22.4	80.9	10.6
pH	00400	7.6	7.8	7.9	8.2	7.9	8.0	7.5	7.8	8.0	7.9	7.9
Temperature (C)	00010	26.7	27.6	27.1	28.7	23.8	19.4	16.5	8.9	11.0	13.1	22.2
Dissolved Oxygen (mg/L)	00300	6.8	6.9	3.9	7.6	7.2	8.1	8.1	11.5	10.3	9.7	7.5
Conductivity (umhos/cm)	00094	729	907	1090	999	959	1020	587	670	636	409	732
Total Phosphorus (mg/L)	00665	0.92	0.92	1.56	1.88	1.55	1.91	0.79	0.36	0.39	0.27	0.55
Nitrate-N (mg/L)	00620	3.50	4.20	4.82	6.70	6.96	11.9	3.20	2.60	2.24	0.80	1.96
Chloride (mg/L)	00940	66.6	85.7	109	135	112	139	54.8	63.5	52.3	25.1	65.2
Sulfate (mg/L)	00945	57.0	76.8	68.4	75.8	66.3	76.8	48.4	73.9	61.7	45.1	69.1
Total Hardness (mg/L)	00900	234	278	257	264	248	261	192	241	240	169	250
Ammonia-N (mg/L)	00610	0.22	0.30	0.16	0.29		0.21	0.24	0.22	<0.10	0.11	0.36
Chlorophyll a (mg/m ³)	32211	2.43	<1.0	1.66	<1.0	<1.0	<1.0	<1.0	2.37	1.64	9.88	<1.0
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	2.69	0.71	0.64	0.47		<0.20	0.85	0.68	0.73	0.99	0.67

Parameter	Parameter Code	Date and 24 hour time										
		5/7/15 1222	6/9/15 1222	7/9/15 1047	8/3/15 1250	09/17/15 1014	10/07/15 1319	11/18/15 1151	12/02/15 1220	01/05/16 1149	02/02/16 1301	03/01/16 1232
Flow (cfs)	00061	38	384	16	6.6	5.7	4.2	351	42	44	12	12
E coli (organisms/100 mL)	31699	260	99	161	170	730	250	550	93	250	120	190
Suspended Solids (mg/L)	00530	46.5	57.5	14.6	6.00	12	6.4	74.60	10.3	11.7	3.2	10.1
Turbidity (NTU)	82079	32.6	34.8	9.9	3.9	7.9	4.7	60.2	8.4	10.1	2.8	5.0
pH	00400	7.6	7.9	8.0	7.9	8	7.9	8.0	7.9	8.1	8.3	8.0
Temperature (C)	00010	24.0	28.0	27.3	27.1	25.3	22.4	17.7	13.3	10.4	16.8	19.9
Dissolved Oxygen (mg/L)	00300	7.6	7.5	7.0	7.4	6.7	7.9	8.9	9.7	10.7	10.4	8.9
Conductivity (umhos/cm)	00094	693	364	822	946	1040	1080	341	750	833	909	921
Total Phosphorus (mg/L)	00665	0.67	0.21	0.60	0.65	1.41	1.88	0.17	0.54	0.63	0.45	0.54
Nitrate-N (mg/L)	00620	2.00	0.58	4.67	6.68	11.00	14.7	0.62	3.92	4.32	4.8	4.08
Chloride (mg/L)	00940	57.4	12.8	69.2	85.7	121	134	14	63.8	70.3	97	98.9
Sulfate (mg/L)	00945	61.7	18.7	78.7	83.6	81.7	75	30	81.2	93.4	95.3	117
Total Hardness (mg/L)	00900	286	161	297	298	296	279	151	258	286	289	285
Ammonia-N (mg/L)	00610	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.37	1.43	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	1.34	4.37	<1.00	<1.00	1.36	1.42	3.35	5.81	2.52	4.09	1.78
Pheophytin (mg/m ³)	32218	<1.0	2.43	<1.00	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	1.28	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.86	0.89	0.41	<0.20	<0.20	<0.20	0.64	1.04	2.07	0.82	1.27

Table 37

Station name Plum Creek at CR 202 (Old McMahon Road)

TCEQ Segment No. 1810
 TCEQ Station Id No. 12647
 Monitoring Type Routine
 Latitude 29.865290 Longitude -97.615261

Parameter	Parameter Code	Date and 24 hour time										
		3/14/16	04/06/16	05/02/16	5/23/16	6/8/16	7/12/16	7/27/16	8/1/16	9/7/16	10/24/16	11/14/16
Flow (cfs)	00061	169	10	193	698*	755*	8	8.9	57*	16	9.5	17
E coli (organisms/100 mL)	31699	500.0	360	2300	410	200	1400	160	280	610	120	520
Suspended Solids (mg/L)	00530	73.0	11.6	15.3	65.8	48.2	13.9	17.2	39.8	12.90	5.40	9.40
Turbidity (NTU)	82079	9.3	71.3	41.6	13.0	46.7	14.2	4.9	6.7	7.8	7.8	7.8
pH	00400	7.8	8	7.9	7.8	7.7	7.9	7.7	7.8	7.6	7.8	7.8
Temperature (C)	00010	19.7	19.2	22.1	23.6	26.8	27.6	26.9	27.8	28	20.0	19.4
Dissolved Oxygen (mg/L)	00300	8.2	8.8	7.6	7.6	7.2	6.8	6.9	7.3	7.1	7.4	8.0
Conductivity (umhos/cm)	00094	494	943	439	286	317	916	1000	545	752	1010	469
Total Phosphorus (mg/L)	00665	0.24	0.70	0.31	0.26	0.14	0.74	0.92	0.38	0.76	0.81	0.60
Nitrate-N (mg/L)	00620	1.53	0.94	0.32	0.44	0.37	9.54	8.36	2.29	5.31	9.10	6.40
Chloride (mg/L)	00940	95.8	18.9	9.73	85.2	38.6	61.0	76.3	79.6	99.3	278	0.61
Sulfate (mg/L)	00945	1.72	46.2	19.3	84.9	63.9	70.1	76.2	99.3	278	0.61	0.61
Total Hardness (mg/L)	00900	297	219	135	291	185	256	307	278	0.61	0.61	0.61
Ammonia-N (mg/L)	00610	<0.10	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	<1.0	15.5	3.66	1.01	7.86	<1.00	<1.00	<1.00	<1.00	1.51	<1.00
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1.0	<1.0	<1.0	1.17	<1.00	<1.00	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	1.20	0.78	1.45	0.77	0.83	<0.20	<0.20	1.02	0.34	<0.20	0.61

* Estimate due to high flows

Parameter	Parameter Code	Date and 24 hour time										
		12/12/16	01/11/17	02/20/17	3/13/17	4/3/17	5/8/17	6/5/17	7/24/17	8/7/17	9/6/17	10/17/17
Flow (cfs)	00061	49*	14	Too High	1220	462*	13	72	5.6	39	813	13
E coli (organisms/100 mL)	31699	150	240	15000	3200	17000	130	430	580	35000	40	250
Suspended Solids (mg/L)	00530	17.5	5.50	989	71.3	153	15.4	322	9.20	197	53.0	6.30
Turbidity (NTU)	82079	18.4	3.6	325	84.6	231	11.6	323	7.2	142	33.5	4.3
pH	00400	7.5	7.9	7.7	7.7	7.8	7.7	7.8	8.0	8.0	7.6	8.0
Temperature (C)	00010	12.8	15.3	18.5	15.8	20.6	22.3	24.3	28.0	24.5	26.4	18.5
Dissolved Oxygen (mg/L)	00300	10.1	10.4	9.0	9.4	8.0	7.9	8.7	7.1	7.5	4.0	8.0
Conductivity (umhos/cm)	00094	676	1010	484	451	412	877	463	977	278	287	925
Total Phosphorus (mg/L)	00665	0.43	0.96	0.86	0.24	0.38	0.94	0.69	1.11	0.56	0.28	0.89
Nitrate-N (mg/L)	00620	4.56	7.36	2.21	1.22	1.17	7.23	3.11	10.6	2.17	0.22	7.89
Chloride (mg/L)	00940	58.5	116	31.1	22.6	24.4	83.9	34.4	97.8	22.7	9.23	84.1
Sulfate (mg/L)	00945	92.9	108	45.1	41.0	39.8	78.0	42.9	79.4	19.0	17.3	79.6
Total Hardness (mg/L)	00900	239	314	298	201	206	267	238	294	147	122	302
Ammonia-N (mg/L)	00610	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	0.23	<0.10	0.20	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	4.00	1.34	22.4	7.03	7.74	1.28	2.04	1.30	2.14	10.2	<1.00
Pheophytin (mg/m ³)	32218	<1.00	<1.00	5.61	2.62	6.09	1.32	2.24	<1.00	<1.00	1.63	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	1.19	<0.20	2.31	1.57	0.76	0.28	1.55	<0.20	1.87	1.29	0.43

* Estimate due to high flows

Parameter	Parameter Code	Date and 24 hour time									
		11/14/17	12/06/17	1/23/18	2/21/18	3/13/18	4/2/18	5/8/18	6/14/18		
Flow (cfs)	00061	13	24	14	12	13	408	61	7.6		
E coli (organisms/100 mL)	31699	120	2200	38	200	250	790	350	220		
Suspended Solids (mg/L)	00530	4.90	15.60	3.10	5.90	6.10	97.00	78.4	16.8		
Turbidity (NTU)	82079	3.0	7.6	2.9	4.6	3.9	58.5	65.1	10.2		
pH	00400	7.9	7.9	8.2	7.9	8.0	8.0	8.1	7.9		
Temperature (C)	00010	19.6	14.4	10.7	17.4	15.6	22.8	28.1			
Dissolved Oxygen (mg/L)	00300	7.3	8.7	11.4	7.8	9.9	5.8	8.1	7.6		
Conductivity (umhos/cm)	00094	1050	1070	1000	1040	999	338	566	1150		
Total Phosphorus (mg/L)	00665	1.15	1.22	0.75	1.26	0.77	0.27	0.37	1.68		
Nitrate-N (mg/L)	00620	5.77	8.10	8.80	6.98	5.32	0.73	2.37	7.66		
Chloride (mg/L)	00940	115	128	112	117	110	15	45.7	173		
Sulfate (mg/L)	00945	85.8	86.2	94.7	115	97.8	30.3	64.1	110		
Total Hardness (mg/L)	00900	308	313	313	313	300	146	203	307		
Ammonia-N (mg/L)	00610	<0.10	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10		
Chlorophyll a (mg/m ³)	32211	<1.00	1.57	3.32	2.40	<1.00	4.36	6.94	4.06		
Pheophytin (mg/m ³)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	1.5	<1.00	<1.00		
Total Kjeldahl Nitrogen (mg/L)	00625	0.71	0.23	0.30	0.99	1.14	0.91				

* Estimate due to high flows