

Station Name Plum Creek at Plum Creek Road
 TCEQ Segment No. 1810
 TCEQ Station Id No. 17406
 Monitoring Type Routine
 Latitude 29.960328 Longitude -97.798169

Parameter	Parameter Code	Date and 24 hour time										
		2/15/08	3/12/08	4/9/08	5/7/08	6/11/08	7/3/08	8/6/08	8/19/08	9/9/08	10/7/08	11/12/08
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		0.11"	1.89"	0.11"	0.28"	0.19"	0.44"	0.00"	1.35"	0.15"	0.42"	0.02"
Flow (cfs)	00061	2.5	21	2.2	2.1	1.5	1.6	1.2	1.5	1.5	1.5	2.8
E coli (organisms/100 mL)	31699	120	1400	36	250	240	550	330	>24,000	340	>2420	170
Suspended Solids (mg/L)	00530	32	37.3	20.7	15.7	39.7	27	25		12.3	24	12.3
Turbidity (NTU)	82079	35.3	24.7	20.1	18.3	39.4	39	30.8		22.2	22.7	9.96
pH	00400	7.9	8	7.7	7.8	7.8	7.5	7.8	7.5	7.5	7.6	7.8
Temperature (C)	00010	16.7	16	22.6	22.7	26.6	24.8	26.5	25.5	25.7	22.9	20
Dissolved Oxygen (mg/L)	00300	8	10.7	5.8	6.8	5.4	4.9	5.1	0.6	7.5	5.7	4.5
Conductivity (umhos/cm)	00094	1027	897	1063	1110	969	1180	1160	691	1200	1220	1510
Total Phosphorus (mg/L)	00665	2.6	0.49	2.8	2.81	3.91	3.81	4.41	1.63	4.41	4.8	0.86
Nitrate-N (mg/L)	00620	12	2.1	11.1	14.5	14.7	12.3	14.9	2.68	24.8	25.9	2.68
Chloride (mg/L)	00940	132	107	123	126	150	147	156		150	154	218
Sulfate (mg/L)	00945	117	107	99	111	104	104	101		83.9	90.6	96.6
Total Hardness (mg/L)	00900	343	232	328	330	340	326	307		301	299	321
Ammonia-N (mg/L)	00610	<0.10	0.11	0.14	0.14	1.24	0.12	0.33	3.16	0.1	0.24	<0.10
Chlorophyll a (mg/m ³)	32211	2.2	2.9	<1.0	<1.0	<1.0	4.7	3		<1.0	<1.0	<1
Pheophytin (mg/m ³)	32218	<1.0	1.3	1.1	<1.0	<1.0	<1.0	1.1		<1.0	<1.0	<1
Total Kjeldahl Nitrogen (mg/L)	00625	0.82		0.58		2.16		1.14			0.99	

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		12/4/08	1/7/09	2/4/09	3/10/09	3/17/09	4/7/09	5/5/09	6/3/09	7/6/09	8/3/09	9/3/09
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Wet	Dry	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		0.06"	0.00"	0.00"	0.00"	2.47"	0.23"	0.03"	0.08"	0.37"	0.17"	0.00"
Flow (cfs)	00061	1.1	2.5	2.2	1.2	3.31	1.9	1.9	1	1.2	1	1
E coli (organisms/100 mL)	31699	77	290	550	240	580	320	610	460	1050	690	330
Suspended Solids (mg/L)	00530	8	6.7	14.3	21.3		9.7	26.7	27.7	28	23.7	15.3
Turbidity (NTU)	82079	9.01	9.67	15.5	16.9		11.9	12.6	26.9	31.6	19.7	22.5
pH	00400	7.5	7.4	7.9	7.7	7.8	7.8	7.6	7.7	7.7	7.7	7.7
Temperature (C)	00010	12.7	10.3	10.5	21.4	15.8	13.2	22.9	24.8	28	26.9	25.4
Dissolved Oxygen (mg/L)	00300	7	10.8	9.8	6.5	8.8	9.6	6.3	6.3	5	5.5	7.8
Conductivity (umhos/cm)	00094	1240	1210	1270	1190	1200	1280	1210	1170	1170	1150	1170
Total Phosphorus (mg/L)	00665	4.48	4.25	4.28	4.5	1.68	4.1	4.44	3.51	2.09	5	3.67
Nitrate-N (mg/L)	00620	22.6	17.4	10.4	7.39	8.56	26.2	10.5	17.9	12.6	12.9	16.1
Chloride (mg/L)	00940	153	191	174	167	173	166	148		140	142	142
Sulfate (mg/L)	00945	105	94.4	90.2	85.8	95.5	94	79.6		79.6	68.8	68.8
Total Hardness (mg/L)	00900	366	304	319	309	315	311	308		306	293	287
Ammonia-N (mg/L)	00610	0.11	0.14	0.57	0.25	0.14	<0.10	5.62	0.34	0.15	0.7	0.11
Chlorophyll a (mg/m ³)	32211	<1.0	1.1	4.7	1.3		<1.0	8.7	<1.0	2.6	<1.0	<1.0
Pheophytin (mg/m ³)	32218	<1.0	<1.0	1.5	1.2		<1.0	3.3	<1.0	1	<1.0	1.1
Total Kjeldahl Nitrogen (mg/L)	00625	0.91		1.29			1.17		1.38			

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		9/16/09	10/5/09	11/4/09	12/1/09	1/12/10	2/3/10	3/10/10	4/14/10	5/4/10	6/16/10	7/6/10
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Wet	Dry	Wet	Wet	Dry	Dry	Wet	Wet
Rainfall (Inches)* within last 7 days		4.08"	1.01"	0.06"	1.35"	0.02"	2.08"	0.12"	0.00"	0.00"	2.27"	2.44"
Flow (cfs)	00061	2	48	14	11	8.2	216	13.3	4.7	1.6	6.2	5.4
E coli (organisms/100 mL)	31699	860	1240	230	160	4840	6870	250	360	950	310	480
Suspended Solids (mg/L)	00530		136	27.3	13	6	157	16.3	29	35	68.3	43
Turbidity (NTU)	82079		136	21.8	12.6	6.6	96.8	8.4	28.5	33.4	54.5	38.8
pH	00400	7.8	8	8	7.9	8.2	8	8	7.8	7.7	7.8	8
Temperature (C)	00010	24.2	23.5	18.1	13.2	9.4	10.8	19.4	19.9	19.7	28.4	27
Dissolved Oxygen (mg/L)	00300	6.5	8.4	9.6	10.5	12.7	11.8	9.2	9.4	5.6	6.4	6.7
Conductivity (umhos/cm)	00094	1020	472	691	858	917	531	798	986	1120	845	828
Total Phosphorus (mg/L)	00665	1.34	0.29	0.8	0.78	1.19	0.45	0.56	1.5	1.71	0.76	0.76
Nitrate-N (mg/L)	00620	7.84	1.17	5.48	5.85	8.48	2.71	4.28	9	6.64	4.96	4.5
Chloride (mg/L)	00940		28.3	50.4	72.1	85.6	27.8	62.6	96.2	122	94.2	81.1
Sulfate (mg/L)	00945		51.4	60.6	100	110	51.5	76	93.8	100	80.6	85.3
Total Hardness (mg/L)	00900		217	250	328	338	268	286	306	322	259	268
Ammonia-N (mg/L)	00610	0.14	0.13	0.11	0.12	0.12	<0.10	<0.10	0.16	3.5	0.13	0.14
Chlorophyll a (mg/m ³)	32211		2.2	3	<1	2.6	1.7	1.4	<1	1.3	1.2	3.3
Pheophytin (mg/m ³)	32218		<1	<1.0	<1	<1.0	<1.0	1.9	1	<1	1.4	1.3
Total Kjeldahl Nitrogen (mg/L)	00625		1.02		0.72		1.18		1.08		0.99	

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Station name Plum Creek at Plum Creek Road
 TCEQ Segment No. 1810
 TCEQ Station Id No. 17406
 Monitoring Type Routine
 Latitude 29.960328 Longitude -97.798169

Parameter	Parameter Code	Date and 24 hour time										
		8/3/10	9/8/10	10/7/10	11/15/10	12/2/10	1/5/11	2/7/11	3/3/11	4/5/11	5/13/11	6/2/11
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet	Dry
Rainfall (Inches)* within last 7 days		1.21"	4.51"	0.00"	0.42"	0.01"	0.05"	0.21"	0.00"	0.18"	1.73"	0.00"
Flow (cfs)	00061	0.9	Flood	2.3	1.9	1.3	2.2	3.3	2.2	2	4.2	1.2
E coli (organisms/100 mL)	31699	260	17330	160	150	60	110	73	170	220	1250	330
Suspended Solids (mg/L)	00530	32.3	177	21	1.4	0.8	2.7	4.3	20.2	32.3	53.4	25.5
Turbidity (NTU)	82079	30.5	161	14.9	2	1.1	4.3	6.2	14.5	16	39.5	23.2
pH	00400	7.7	7.8	8	7.8	7.8	7.8	8	7.9	7.9	7.8	7.8
Temperature (C)	00010	27	26.3	18.1	16	11.4	14.7	11	15.7	17.1	22.6	26.1
Dissolved Oxygen (mg/L)	00300	7.9	10.4	7.8	7.4	8.2	8.1	9.8	8.4	7.7	7	6.3
Conductivity (umhos/cm)	00094	1240	330	1030	1190	1190	1150	967	1070	1200	1210	1400
Total Phosphorus (mg/L)	00665	4.56	0.37	2	3.22	2.86	2.5	1.8	2.83	3.6	1.75	2.22
Nitrate-N (mg/L)	00620	24.6	0.46	18	27	21.8	20.8	13.3	19.8	24.5	13.1	14.5
Chloride (mg/L)	00940	170	20.2	111	126	141	148	93.7	124	157	94	232
Sulfate (mg/L)	00945	116	28.8	89	100	99.5	94.6	83	90.4	94.5	83.1	122
Total Hardness (mg/L)	00900	352	197	262	328	334	274	284	298	326	295	300
Ammonia-N (mg/L)	00610	0.18	0.28	0.14	0.13	0.11	0.16	<0.10		0.17	0.27	0.2
Chlorophyll a (mg/m ³)	32211	<1	1.1	<1.0	<1.0	<1.0	<1.0	1.7	1.4	2.5	1.2	2
Pheophytin (mg/m ³)	32218	<1	<1.0	<1.0	<1.0	<1.0	<1.0	1	1.6	2.5	<1.0	<1
Total Kjeldahl Nitrogen (mg/L)	00625	0.99		0.75		0.82		0.71		1.12	1.28	1.07

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		7/12/11	8/1/11	9/13/11	10/10/11	11/7/11	12/6/11	1/10/12	1/30/12	2/13/12	3/6/12	4/4/12
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Wet	Dry	Wet	Dry	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		0.00"	0.05"	0.00"	1.82"	0.01"	2.09"	0.62"	6.19"	.30"	0.01"	0.07"
Flow (cfs)	00061	0.5	0.2	0.6	0.4	0.3	4	6.2	125	24	23	21
E coli (organisms/100 mL)	31699	310	1050	600	360	270	680	1410	620	320	250	430
Suspended Solids (mg/L)	00530	28.8	16.9	13.5	21.3	7.9	15.6	116	25.1	22.6	79	79
Turbidity (NTU)	82079	24.1	12.2	11.3	12.1	4.7	12.5	21.9	13.6	60.5	60.5	60.5
pH	00400	7.9	7.8	7.7	7.7	7.6	7.8	8	7.7	8.0	8.0	7.8
Temperature (C)	00010	27.7	27.9	24.5	21.7	19.4	9.8	12.8	13.3	11.3	17.8	21.7
Dissolved Oxygen (mg/L)	00300	6.2	6.6	6.3	6.6	7.0	10.9	10.3	10.1	11.1	9.9	7.4
Conductivity (umhos/cm)	00094	1240	1230	1250	1230	1340	1600	1000	360	745	856	651
Total Phosphorus (mg/L)	00665	3.86	3.79	4.25	4	5.24	1.75	0.27	0.47	0.74	0.48	0.48
Nitrate-N (mg/L)	00620	19.5	27.3	24	29.3	34.8	22.2	1.68	5.64	4.84	3.36	3.36
Chloride (mg/L)	00940	164	153	155	146	180	110	110	55.7	55.8	39.7	39.7
Sulfate (mg/L)	00945	95.7	101	84.2	77.1	88.9	92.1	97.6	159	69.9	69.9	69.9
Total Hardness (mg/L)	00900	301	298	293	287	310	288	282	326	262	262	262
Ammonia-N (mg/L)	00610	0.23	0.1	<0.10	0.18	0.12	0.28	0.27	0.34	0.19	0.28	0.28
Chlorophyll a (mg/m ³)	32211	<1.0	<1.0	<1.0	<1.0	<1.0		1.5	5.6	2.4	5.8	5.8
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	1.8	1.8
Total Kjeldahl Nitrogen (mg/L)	00625	0.75	0.87	0.95	0.77	0.70	1.22	0.85	0.87	0.74	0.80	1.32

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		5/2/12	6/14/12	7/10/12	7/17/12	8/14/12	9/5/12	10/2/12	11/14/12	12/18/12	1/7/13	1/15/13
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Wet	Dry	Dry	Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	0.21"	0.63"	2.78"	0.00"	0.00"	1.97"	0.00"	0.45"	0.37"	1.92"
Flow (cfs)	00061	1.6	1.9	1	22	0.9	1.8	3.6	1.8	2.2	2.4	3
E coli (organisms/100 mL)	31699	190	210	370	490	220	210	230	650	410	820	650
Suspended Solids (mg/L)	00530	26.9	53.8	38.4	77.0	16.4	16.1	38	9.5	8.13	7.29	12.9
Turbidity (NTU)	82079	20.8	45.4	27.5		13.9	17	34.4	10.1	9.6	8.2	8.2
pH	00400	7.8	7.8	7.8	7.7	7.6	7.4	7.9	7.9	7.9	7.9	7.8
Temperature (C)	00010	23.8	26.8	26.7	26.3	27.4	26.6	21.1	14.1	13.7	10	9.8
Dissolved Oxygen (mg/L)	00300	6.2	5.9	5.4	7.0	6.7	5.8	6.8	7.3	7.9	9.6	9.3
Conductivity (umhos/cm)	00094	1100	1020	1260	582	1280	1290	914	1200	1240	1240	1110
Total Phosphorus (mg/L)	00665	2.47	0.9	5.26	0.40	3.93	4.18	0.93	2.99	0.04	3.97	2.24
Nitrate-N (mg/L)	00620	13.2	6.8	19.60	1.40	19.4	29	1.12	9.80	12.7	20.2	11.9
Chloride (mg/L)	00940	129	97.2	171	169	186	133	159	165	157	157	157
Sulfate (mg/L)	00945	82.1	140	105	103	96.5	79.6	98.7	91	104	104	104
Total Hardness (mg/L)	00900	313	308	322	303	296	215	280	290	300	300	300
Ammonia-N (mg/L)	00610	0.30	0.32	0.14	0.52	0.19	0.23	1	0.36	0.15	0.13	0.40
Chlorophyll a (mg/m ³)	32211	<1	3.7	1.2		<1	<1	<1	<1.00	<1.00	<1.00	<1.00
Pheophytin (mg/m ³)	32218	<1	3.2	<1		<1	<1	8.8	<1.00	1.78	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	<0.20	0.98	0.64	0.87	<4	<0.2	1.82	0.84	<0.20	<0.20	<0.20

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Station name Plum Creek at Plum Creek Road
 TCEQ Segment No. 1810
 TCEQ Station Id No. 17406
 Monitoring Type Routine
 Latitude 29.960328 Longitude -97.798169

Parameter	Parameter Code	Date and 24 hour time										
		2/4/13	3/20/13	4/3/13	5/9/13	6/5/13	7/2/13	8/7/13	9/10/13	9/18/13	9/25/13	10/2/13
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Dry	Dry	Dry	Dry	Dry	Wet	Wet
Rainfall (Inches)* within last 7 days		0.02"	0.29"	3.02"	0.01"	.08"	.55"	0.00"	0.23"	0.85"	2.97"	1.95"
Flow (cfs)	00061	1.7	1.4	14	2.0	2.6	0.70	1.3	1.5	2.8	1.6	39
E coli (organisms/100 mL)	31699	920	550	>2400	480	300	390	290	2000	780	630	64
Suspended Solids (mg/L)	00530	14.1	25.0	111	12.6	21.5	21.4	27.4	27.6		31.4	58.0
Turbidity (NTU)	82079	12.5	20.5	101	7.66	17.9	19.7	24.9	27.6			47.3
pH	00400	7.8	7.7	7.8	7.7	7.6	7.6	7.5		7.5	7.8	7.8
Temperature (C)	00010	17.2	19.9	16.9	21.3	25.8	25.4	27.9	25.6	26.0	23.2	25.5
Dissolved Oxygen (mg/L)	00300	7.5	7.1	8.2	5.7	5.7	5.6	5.1	7.1	5.9	7.0	7.0
Conductivity (umhos/cm)	00094	1200	1300	633	1230	882	1270	1300	1280	1240	1260	637
Total Phosphorus (mg/L)	00665	2.63	2.06	0.67	2.81	1.51	2.31	3.97	4.15		3.83	0.31
Nitrate-N (mg/L)	00620	13.8	9.20	1.87	6.90	3.30	4.50	14.2	30.2		28.0	1.98
Chloride (mg/L)	00940	168	188	70.4	170	99.2	169	238	178			85.9
Sulfate (mg/L)	00945	97.1	104	53.5	91.0	69.5	96.3	121	97.9			54.3
Total Hardness (mg/L)	00900	285	285	230	296	255	300	299	284			162
Ammonia-N (mg/L)	00610	0.22	0.15	0.57	0.30	0.23	3.18	0.24	0.15		0.18	0.15
Chlorophyll a (mg/m ³)	32211	2.11	1.30	<1.0	<1.0	3.43	1.29	1.11	<1.0			5.87
Pheophytin (mg/m ³)	32218	<1.0	1.80	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	<0.20	0.98	1.5	0.82	0.97	4.32	<0.20	<0.20		<0.20	0.70

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		11/18/13	12/14/13	1/13/14	2/5/14	3/10/14	4/9/14	5/8/14	5/15/14	6/10/14	7/2/14	8/6/14
Weather Conditions (Wet or Dry)		1501	1100	1324	1448	1508	1335	1411	1349	1400	1336	1323
Rainfall (Inches)* within last 7 days		Wet	.67"	0.41"	0.21"	0.88"	0.44"	0.0"	4.34"	0.09"	0.03"	0.00"
		0.00"	Dry	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Dry
Flow (cfs)	00061	36	16	8.1	4.2	11	3.7	2.1		3.2	0.9	2.1
E coli (organisms/100 mL)	31699	430	370	2400	980	1200	730	1100	1600	650	880	730
Suspended Solids (mg/L)	00530	27.0	12.0	8.90	11.7	20.7	21.40	1.90	61.3	10.5	14.6	8.80
Turbidity (NTU)	82079	23.6	7.8	7.2	10.6	24.3	17.4	12.6		14.4	10.9	8.6
pH	00400	7.8	7.6	7.9	7.6	7.9	7.8	7.6	8.7	7.7	7.4	7.5
Temperature (C)	00010	20.2	16.8	14.3	11.3	14.1	16.3	22.9	18.7	25.3	26.8	26.7
Dissolved Oxygen (mg/L)	00300	8.1	8.3	9.0	10.0	10.3	8	5.3	8.6	6.4	5.8	7.2
Conductivity (umhos/cm)	00094	467	851	966	1120	1020	1300	1360	889	853	1120	1230
Total Phosphorus (mg/L)	00665	0.33	0.70	0.96	1.39	0.69	3.22	3.76	0.36	1.83	3.13	3.94
Nitrate-N (mg/L)	00620	0.37	5.60	6.36	7.60	6.20	11.7	26.2	2.11	9.20	22.7	25.0
Chloride (mg/L)	00940	25.7	66.0	89.0	130	114	171	191		76.9	150	178
Sulfate (mg/L)	00945	50.8	120	173	106	125	125	124		85.3	99.2	108
Total Hardness (mg/L)	00900	189	297	291	276	288	289	324		264	289	293
Ammonia-N (mg/L)	00610	0.35	<0.10	<0.10	<0.10	0.37	0.36	0.39	0.32	0.24	0.29	0.17
Chlorophyll a (mg/m ³)	32211	7.92	3.06	2.64	1.28	---	<1.0	8.51		<1.0	1.22	<1.00
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1.0	<1.0	---	<1.0	<1.0		5.58	<1.0	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.23	0.29	<0.20		1.04	0.981	1.09	1.04	0.54	<0.20	0.97

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		9/3/14	9/23/14	10/6/14	11/3/14	12/1/14	1/5/15	1/27/15	2/3/15	2/25/15	3/11/15	4/8/15
Weather Conditions (Wet or Dry)		1414	1331	1418	1526	1453	1404	1301	1351	1215	1453	1457
Rainfall (Inches)* within last 7 days		Dry	Wet	dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet	Dry
		0.01"	4.35"	1418	.17"	0.0"	1.18"	3.26"		0.0"	2.19"	0.04"
Flow (cfs)	00061	1.5	6.1	1.5	2.5	9.3	13	66	17	4.0	71	12
E coli (organisms/100 mL)	31699	1300	1000	340	520	520	310	530	580	870	1100	340
Suspended Solids (mg/L)	00530	14.5	34.3	11.6	8.90	27.9	11.3	47.2	9.70	9.90	60.8	23.20
Turbidity (NTU)	82079	13.6		9.0	6.5	16.9	10.6		10.1		47.4	18.7
pH	00400	7.6	7.8	7.6	7.7	7.5	8.0	7.9	8.0	7.7	7.8	7.6
Temperature (C)	00010	27.3	25.1	23.3	18.6	16.7	7.9	11.7	11.4	9.9	13.4	22.3
Dissolved Oxygen (mg/L)	00300	6.2	6.7	6.5	7.0	7.1	11.7	11.0	9.9	10.4	9.8	6.1
Conductivity (umhos/cm)	00094	1200	901	1250	1150	679	855	461	719	968	635	882
Total Phosphorus (mg/L)	00665	4.38	1.10	4.56	4.33	0.39	0.34	0.26	0.37	1.17	0.26	0.56
Nitrate-N (mg/L)	00620	21.6	4.14	21.0	11.7	2.56	2.76	1.40	3.18	5.84	1.59	3.08
Chloride (mg/L)	00940	182		186	178	72.1	92.8		60.5		59.1	86.7
Sulfate (mg/L)	00945	96.1		93.9	102	67.3	126		84.7		82.1	87.5
Total Hardness (mg/L)	00900	272		278	274	218	259		270		223	278
Ammonia-N (mg/L)	00610	0.35	0.37	0.26	3.11	0.42	0.34	0.17	0.24	<0.10	0.12	0.20
Chlorophyll a (mg/m ³)	32211	<1.0		<1.0	<1.0	2.22	1.22		<1.0		8.76	<1.0
Pheophytin (mg/m ³)	32218	<1.0		<1.0	<1.0	<1.0	<1.0		3.74		<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	<0.20	1.21	<0.20	1.06	1.33	0.89	0.38	0.98	0.25	0.82	0.75

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Station name Plum Creek at Plum Creek Road
 TCEQ Segment No. 1810
 TCEQ Station Id No. 17406
 Monitoring Type Routine
 Latitude 29.960328 Longitude -97.798169

Parameter	Parameter Code	Date and 24 hour time										
		4/21/15	5/7/15	6/9/15	7/9/15	8/3/15	09/17/15	10/07/15	10/29/15	11/18/15	12/02/15	12/15/15
Weather Conditions (Wet or Dry)		1354	1345	1355	943	1407	1105	1420	1240	1332	1338	1234
Rainfall (Inches)* within last 7 days		Wet 1"	Wet 1.76"	Dry 0.0"	Dry 0.00"	Dry 0.00"	Wet 2.40"	Dry 0.00"	Wet 7.55"	Wet 0.37"	Dry 0.69"	Wet 1.21"
Flow (cfs)	00061	32	23	20	10	1.3	1.9	0.9	8.7	89	22	29
E coli (organisms/100 mL)	31699	370	410	210	240	520	260	210	1300	180	340	960
Suspended Solids (mg/L)	00530	43.0	44.8	30.5	36.8	13.2	10.9	12.1	29.1	31	10.1	30.7
Turbidity (NTU)	82079		34.2	24.3	25.7	14.5	10.8	11.1		22.9	9.2	
pH	00400	7.9	7.4	7.8	7.7	7.6	7.7	7.6	7.7	7.9	7.7	7.9
Temperature (C)	00010	19.7	23.8	26.5	26.5	26.9	25.6	21.5	18.2	17.3	13.5	15.4
Dissolved Oxygen (mg/L)	00300	8.4	6.9	6.2	5.9	6.1	6	6.2	7.6	9.1	8.7	8.9
Conductivity (umhos/cm)	00094	681	706	717	863	1230	1320	1330	963	455	817	701
Total Phosphorus (mg/L)	00665	0.38	0.80	0.54	0.86	3.39	3.12	5.14	1.33	0.14	0.27	0.29
Nitrate-N (mg/L)	00620	1.14	2.10	2.91	4.78	16.3	15.4	13.9	5.71	0.49	1.27	2.02
Chloride (mg/L)	00940		59.1	51.8	76.9	154	182	179		22.5	73.6	
Sulfate (mg/L)	00945		77.3	59.2	99.4	104	110	97.9		67	99.6	
Total Hardness (mg/L)	00900		278	257	326	299	300	300		184	271	
Ammonia-N (mg/L)	00610	0.10	0.13	0.38	0.14	<0.10	<0.10	4.5	<0.10	<0.10	2.25	<0.10
Chlorophyll a (mg/m ³)	32211		3.07	4.45	<1.00	<1.00	<1.0	1.16		10.1	5.67	
Pheophytin (mg/m ³)	32218		<1.0	3.65	1.11	<1.00	<1.0	<1.0		3.46	<1.0	
Total Kjeldahl Nitrogen (mg/L)	00625	0.90	0.70	1.20	0.63	<0.20	<0.20	3.62	0.97	0.53	0.85	0.84

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		01/05/16	02/03/16	3/1/16	3/15/16	4/6/16	5/2/16	5/25/16	6/8/16	7/12/16	7/28/16	8/1/16
Weather Conditions (Wet or Dry)		1255	1158	1411	1210	1323	1617	1302	1416	1337	1323	1356
Rainfall (Inches)* within last 7 days		Dry 0.29"	Dry 0.00"	Dry 0.00"	Wet 3.06"	Dry 0.16"	Wet 1.7"	Wet 2.75"	Wet 2.05"	Dry 0.04"	Wet 1.90"	Wet 1.14"
Flow (cfs)	00061	21	6.2	8.6	21	5.8	212	63	102*	1.8	27	11
E coli (organisms/100 mL)	31699	210	240	260	450	430	7700	150	320	260	2000	620
Suspended Solids (mg/L)	00530	13.5	9.4	10.3	29.7	22.0	13.0	34.00	3.00	19.0	112	31.60
Turbidity (NTU)	82079	13.1	7.1	8.8	20.8	27.1	13.7	22.6		22.6		29.7
pH	00400	7.8	7.6	7.5	7.6	7.4	7.7	7.7	7.6	7.6	7.6	7.5
Temperature (C)	00010	10.9	13.9	20.6	21.3	19.6	20.3	24.9	26.3	27.3	27.5	27.8
Dissolved Oxygen (mg/L)	00300	9.6	5.6	3.9	6.0	4.9	8.2	7.3	8.8	5.4	5.8	5.6
Conductivity (umhos/cm)	00094	932	1090	1110	826	1120	497	437	426	1250	559	847
Total Phosphorus (mg/L)	00665	0.56	0.72	2.38	0.58	1.57	0.27	0.24	0.16	2.69	0.23	0.51
Nitrate-N (mg/L)	00620	2.13	2.48	0.60	3.04	9.44	1.05	0.46	0.76	14.0	1.24	0.61
Chloride (mg/L)	00940	83.4	143	133	137	30.6			18.8	178		64.2
Sulfate (mg/L)	00945	127	116	132	111	58.8			27.5	116		145
Total Hardness (mg/L)	00900	307	303	297	298	210			163	316		275
Ammonia-N (mg/L)	00610	2.28	2.38	9.68	0.92	1.47	<0.10	0.22	<0.10	0.34	0.34	1.92
Chlorophyll a (mg/m ³)	32211	1.6	1.34	3.41	1.41	6.01			4.88	<1.0		9.84
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1.0	<1.0	<1.0			<1.0	<1.0		2.44
Total Kjeldahl Nitrogen (mg/L)	00625	3.27	2.53	8.13	1.78	2.29	0.99	0.99	0.89	<0.20	1.20	3.60

* Estimate due to high flows

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time										
		9/7/16	10/24/16	11/14/16	12/12/16	1/11/17	2/20/17	3/13/17	4/3/17	5/8/17	6/5/17	7/24/17
Weather Conditions (Wet or Dry)		1532	1040	1210	1325	1228	1413	1411	1412	1406	1441	1340
Rainfall (Inches)* within last 7 days		Dry 0.78"	Dry 0.02"	Dry 0.75"	Dry 0.01"	Dry 0.00"	Wet 2.61"	Dry 0.70"	Wet 2.08"	Dry 0.00"	Wet 1.93"	Dry 0.00"
Flow (cfs)	00061	13	3.9	7.2	19	6.2	Too High	59	116*	6.0	25	1.3
E coli (organisms/100 mL)	31699	280	300	320	440	250	17000	680	6500	920	920	210
Suspended Solids (mg/L)	00530	13.9	13.2	15.7	13.4	6.00	70.0	28.4	95.00	7.30	45.6	10.9
Turbidity (NTU)	82079	18.2	12.1	15.5	6.3	4.0	142	23.7	92.2	5.4	32.6	9.3
pH	00400	7.5	7.7	7.5	7.5	7.4	7.6	7.8	7.8	7.7	7.7	7.6
Temperature (C)	00010	27.7	20.2	19.2	14.6	16.7	18.2	16.2	20.4	21.6	25.3	28.0
Dissolved Oxygen (mg/L)	00300	6.4	6.8	8.7	8.9	10.3	8.3	9.6	8.1	7.2	6.4	2.9
Conductivity (umhos/cm)	00094	905	1210	1052	862	1070	444	714	517	1190	717	1310
Total Phosphorus (mg/L)	00665	0.98	2.91	1.10	0.92	1.43	0.33	0.17	0.24	2.07	0.59	2.29
Nitrate-N (mg/L)	00620	7.20	15.5	6.80	3.84	6.36	1.59	2.23	1.22	13.6	2.40	9.14
Chloride (mg/L)	00940	89.0	120	111	82.1	142	24.8	53.3	34.9	146	70.9	188
Sulfate (mg/L)	00945	94.7	88.8	137	130	128	49.7	82.5	66.6	104	80.7	94.6
Total Hardness (mg/L)	00900	288	300	299	290	299	116	264	201	290	261	304
Ammonia-N (mg/L)	00610	<0.10	2.39	0.21	2.01	0.27	0.10	<0.10	0.10	<0.10	0.93	3.31
Chlorophyll a (mg/m ³)	32211	<1.00	<1.00	<1.00	1.22	1.87	6.68	2.74	9.34	<1.00	20.8	6.73
Pheophytin (mg/m ³)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	5.21	1.05	1.81	<1.0	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.49	1.22	0.80	2.30	0.37	1.50	0.84	1.62	1.14	2.22	3.78

* Estimate due to high flows

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Station name Plum Creek at Plum Creek Road
 TCEQ Segment No. 1810
 TCEQ Station Id No. 17406
 Monitoring Type Routine
 Latitude 29.960328 Longitude -97.798169

Parameter	Parameter Code	Date and 24 hour time										
		8/7/17	9/7/17	10/17/17	11/14/17	12/6/17	1/23/18	2/21/18	3/13/18	4/4/18	5/8/18	6/14/18
Weather Conditions (Wet or Dry)		1348	1304	1318	1223	1235	1250	1329	1415	1250	1501	1530
Rainfall (Inches)* within last 7 days		Wet 2.92"	Dry 0.00"	Dry 0.00"	Dry 0.21"	Wet 1.00"	Dry 0.01"	Dry 0.33"	Dry 0.00"	Dry 0.00"	Wet 2.50"	Dry 0.00"
Flow (cfs)	00061	32	65	5.6	5.3	8.4	8.3	12	6.5	173	27	1.8
E coli (organisms/100 mL)	31699	1600	83	920	130	2000	410	550	480	520	540	330
Suspended Solids (mg/L)	00530	19.0	9.25	3.30	11.7	11.0	2.40	9.3	8.8	47.1	62.7	15.6
Turbidity (NTU)	82079	26.7	6.4	4.8	10.2	8.2	4.8	7.2	9.7	23.7	44.8	12.2
pH	00400	7.7	7.5	7.6	7.7	7.7	7.7	7.6	7.8	7.5	8	7.6
Temperature (C)	00010	26.3	24.0	18.4	20.6	14.6	11.2	17.6	15.5	18.1	23.9	27.3
Dissolved Oxygen (mg/L)	00300	4.3	1.9	3.8	5.6	6.7	8.4	5.1	8.2	8.1	7.5	5.4
Conductivity (umhos/cm)	00094	1330	501	1030	1140	1200	1140	1160	1180	561	759	1410
Total Phosphorus (mg/L)	00665	3.28	0.46	1.39	0.89	1.85	1.13	1.4	1.49	0.32	0.85	3.23
Nitrate-N (mg/L)	00620	1.99	0.45	1.34	5.96	4.50	8.10	5.9	9.41	1.38	5.42	21.10
Chloride (mg/L)	00940	175	26.4	121	152	182	149	152	157	41.2	82.3	211
Sulfate (mg/L)	00945	74.1	25.2	92.5	104	105	119	120	121	54.4	96.8	130
Total Hardness (mg/L)	00900	281	190	273	290	273	313	303	307	217	238	313
Ammonia-N (mg/L)	00610	21.2	<0.10	6.23	0.21		0.45		<0.10	0.37	<0.10	0.28
Chlorophyll a (mg/m ³)	32211	10.5	24.1	<1.00	<1.00	<1.00	2.94	2.08	<1.00	8.06	17.4	1.78
Pheophytin (mg/m ³)	32218	<1.00	6.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.88	1.89	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	27.9	1.31	7.75	0.71		4.46		0.67	1.24	1.15	<20

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time				
		7/10/18	8/6/18	9/11/18	10/9/18	11/19/18
Weather Conditions (Wet or Dry)		1315	1341	1323	1334	1345
Rainfall (Inches)* within last 7 days		Dry 0.00"	Dry 0.00"	Wet 3.24"	Wet 1.49	Dry 0.15"
Flow (cfs)	00061	43	1.5	46	26	27
E coli (organisms/100 mL)	31699	1500	170	400	1600	630
Suspended Solids (mg/L)	00530	126.0	20.7	60.7	60.2	12.7
Turbidity (NTU)	82079	58.5	621	49.3	53.4	12
pH	00400	7.7	7.7	7.9	7.7	7.8
Temperature (C)	00010	26.3	27.6	24.7	25.4	13
Dissolved Oxygen (mg/L)	00300	7.1	6.4	8.4	7.5	9.4
Conductivity (umhos/cm)	00094	574	1360	421	593	642
Total Phosphorus (mg/L)	00665	0.37	4.51	0.36	0.63	0.44
Nitrate-N (mg/L)	00620	2.3	24.00	1.01	1.15	1.82
Chloride (mg/L)	00940	54.5	214	28.2	43.1	46
Sulfate (mg/L)	00945	73.1	112	49.5	48.4	76.2
Total Hardness (mg/L)	00900	205	298	162	232	242
Ammonia-N (mg/L)	00610	<0.10	<0.10		0.38	0.58
Chlorophyll a (mg/m ³)	32211	11	2.88	16	427	1.54
Pheophytin (mg/m ³)	32218	3.16	<1.00	1.38	430	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	1.74	<0.20		1.19	1.14

* Estimate due to high flows

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Parameter	Parameter Code	Date and 24 hour time
Weather Conditions (Wet or Dry)		
Rainfall (Inches)* within last 7 days		
Flow (cfs)	00061	
E coli (organisms/100 mL)	31699	
Suspended Solids (mg/L)	00530	
Turbidity (NTU)	82079	
pH	00400	
Temperature (C)	00010	
Dissolved Oxygen (mg/L)	00300	
Conductivity (umhos/cm)	00094	
Total Phosphorus (mg/L)	00665	
Nitrate-N (mg/L)	00620	
Chloride (mg/L)	00940	
Sulfate (mg/L)	00945	
Total Hardness (mg/L)	00900	
Ammonia-N (mg/L)	00610	
Chlorophyll a (mg/m ³)	32211	
Pheophytin (mg/m ³)	32218	
Total Kjeldahl Nitrogen (mg/L)	00625	

* Estimate due to high flows

*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom