

Station Name Plum Creek at CR 135
 TCEQ Segment No. 1810
 TCEQ Station Id No. 12640
 Monitoring Type Routine
 Latitude 29.657329 Longitude -97.601895

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	12	120	10	5.9	2.9	3.2	2	20	2.9	2.7	2.8
E coli (organisms/100 mL)	31699	240	9800	54	120	250	260	1200	680	240	360	170
Suspended Solids (mg/L)	00530	16.7	309	32.7	21.7	53	25.3	6.3		34.7	21.7	12.3
Turbidity (NTU)	82079	11	134	15.6	27.7	35.1	27.7	15.5		28.4	16.3	9.96
pH	00400	7.9	7.7	7.8	7.9	7.9	7.9	8	7.6	7.8	7.9	7.8
Temperature (C)	00010	16.4	13.4	22.9	22.4	27.3	25	27.3	25.2	26.5	23.7	20
Dissolved Oxygen (mg/L)	00300	8.2	8.9	5.6	6.1	3.5	3.6	4.4	3.7	3.9	4.9	4.5
Conductivity (umhos/cm)	00094	1260	470	1250	1340	1680	1920	1890	1420	1410	1560	1510
Total Phosphorus (mg/L)	00665	0.61	1.08	0.77	0.66	2.69	1	0.29	1.08	0.75	0.23	0.86
Nitrate-N (mg/L)	00620	3.19	2.22	1.3	1.43	0.26	0.25	0.27	0.18	0.34	0.16	2.68
Chloride (mg/L)	00940	174	36.3	170	187	249	272	309		200	234	218
Sulfate (mg/L)	00945	105	37.6	99.6	98.1	91.1	95.6	102		85	84.5	96.6
Total Hardness (mg/L)	00900	382	168	357	344	363	365	327		267	276	321
Ammonia-N (mg/L)	00610	0.13	0.13	0.1	0.15	0.19	0.18	0.19	0.32	0.19	0.13	0.11
Chlorophyll a (mg/m ³)	32211	2	7.7	1.5	4.8	<1.0	6	1.4		2.4	2	<1.0
Pheophytin (mg/m ³)	32218	2.4	6.1	1	1.7	2.7	1.7	1.3		1.4	1.2	<1.0
Total Kjeldahl Nitrogen (mg/L)	625	0.78	0.74	0.74	0.9	0.9	0.6			0.58		

*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	3/16/09	4/7/09	4/28/09	5/5/09	6/3/09	7/6/09	8/3/09
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Wet	Dry	Wet	Dry	Dry	Wet	Dry
Rainfall (Inches)* within last 7 days		0.06"	0.00"	0.00"	0.00"	2.47"	0.23"	1.63"	0.03"	0.08"	0.37"	0.17"
Flow (cfs)	00061	2	5	5.3	7	21	5	34	6.4	3.7	2	0.7
E coli (organisms/100 mL)	31699	130	130	160	170	140	140	2220	570	150	26	46
Suspended Solids (mg/L)	00530	11	11.7	12.3	27		8.7		33.7	21.7	12	12.3
Turbidity (NTU)	82079	9.57	8.38	9.89	16.9		5.8		24.4	13.6	9.9	7.6
pH	00400	7.7	7.7	8.1	7.7	7.7	8	7.7	7.5	7.8	8.2	8.3
Temperature (C)	00010	11.6	9.5	9.2	21.3	12.3	12.4	20.6	23.6	25.9	28.4	27.9
Dissolved Oxygen (mg/L)	00300	6	10.3	10.6	5.4	9	9.3	6.7	4.9	4.9	4.9	3.8
Conductivity (umhos/cm)	00094	1390	1270	1360	1340	844	1390	1270	1160	1550	2460	2660
Total Phosphorus (mg/L)	00665	0.92	1.04	0.93	1.15	1.48	1.25	0.3	1.56	1.38	2.12	2.1
Nitrate-N (mg/L)	00620	1.73	3.22	2.67	0.68	2.05	0.75	1.5	0.49	0.53	0.07	0.07
Chloride (mg/L)	00940	194	165	178	91.6		214		169	235	424	444
Sulfate (mg/L)	00945	86.9	98.4	101	188		94.5		83.5	73	60.8	69.2
Total Hardness (mg/L)	00900	352	336	340	344		323		284	308	316	293
Ammonia-N (mg/L)	00610	0.12	0.16	0.2	0.15	0.15	<0.1	0.21	0.15	0.15	0.1	0.15
Chlorophyll a (mg/m ³)	32211	<1.0	1.1	3.9	2		1.2		4.6	1.4	15	9.1
Pheophytin (mg/m ³)	32218	<1.0	1.6	3.5	2.5		1.2		<1.0	1.4	3.7	4.3
Total Kjeldahl Nitrogen (mg/L)	00625	0.8	0.49	0.49			0.62		1.05			0.82

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

Parameter	Parameter Code	Date and 24 hour time										
		9/3/09	9/15/09	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
Weather Conditions (Wet or Dry)		Dry	Wet	Wet	Dry	Wet	Dry	Wet	Wet	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	0.00"	1.01"	0.06"	1.35"	0.02"	2.08"	0.12"	0.00"	0.00"	2.27"
Flow (cfs)	00061	0.8	12	1390	54	125	20	71	61	21	17	34
E coli (organisms/100 mL)	31699	83	990	3130	180	820	31	310	210	210	150	240
Suspended Solids (mg/L)	00530	10.3		450	32.7	9.7	2	24.7	11.7	22	11.3	26
Turbidity (NTU)	82079	8.4		381	19	9.7	4.4	20.7	4.3	11.5	6.1	18.3
pH	00400	8.1	7.7	7.8	7.9	7.6	7.7	7.7	7.6	7.8	7.7	7.6
Temperature (C)	00010	25.9	23.3	23.6	16.3	13	6.2	10.2	18.1	19.2	20.2	28.7
Dissolved Oxygen (mg/L)	00300	3.8	6.7	5.9	9.6	11.2	12.3	11.9	9.1	8.6	8.5	7
Conductivity (umhos/cm)	00094	2250	882	239	698	906	1260	861	1180	1490	1590	773
Total Phosphorus (mg/L)	00665	2.23	1.23	0.67	0.34	0.33	0.22	0.25	0.23	0.3	0.31	0.32
Nitrate-N (mg/L)	00620	<0.05	6.76	0.9	2.3	1.67	3.34	1.78	2.48	2.97	1.89	1
Chloride (mg/L)	00940	387		9.36	60.5	106	176	95	155	190	219	92.2
Sulfate (mg/L)	00945	56.6		14.9	56	89	130	69.9	106	125	125	59.8
Total Hardness (mg/L)	00900	274		165	232	297	397	284	359	416	403	226
Ammonia-N (mg/L)	00610	0.13	0.42	0.32	0.12	0.26	0.15	<0.10	0.11	0.16	0.17	0.15
Chlorophyll a (mg/m ³)	32211	3.2		<1	<1.0	<1	<1.0	1.8	2.5	1.4	1.3	2.3
Pheophytin (mg/m ³)	32218	1.1		<1	<1.0	<1	1.1	1.3	1.5	1	<1	1.6
Total Kjeldahl Nitrogen (mg/L)	00625			1.81		1.09		0.95		0.69		0.72

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

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Parameter	Parameter Code	Date and 24 hour time										
		7/6/10	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
Weather Conditions (Wet or Dry)		Wet	Wet	Wet	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		2.44"	1.21"	4.51"	0.00"	0.42"	0.01"	0.05"	0.21"	0.00"	0.18"	1.73"
Flow (cfs)	00061	19	7.8	13	8.2	11	10	Dry	17	13	8	12
E coli (organisms/100 mL)	31699	250	150	770	36	160	81	56	86	140	160	330
Suspended Solids (mg/L)	00530	48.3	14.3	77	8.4	19.5	4.4	12.4	4.3	16.8	15.1	16.7
Turbidity (NTU)	82079	36.6	12.3	44	6.2	9	3.8	10	3.7	6.8	5.3	8.9
pH	00400	7.9	7.9	7.8	8	7.9	7.9	7	8.2	8	7.9	7.9
Temperature (C)	00010	26.6	27.5	25.7	16.6	15	9.9	12.4	7.8	15.2	16.9	21.9
Dissolved Oxygen (mg/L)	00300	6.4	9	9.5	7.9	7.7	8.5	8.5	11.6	8.1	6.8	3.9
Conductivity (umhos/cm)	00094	1030	1365	1110	1030	1170	1220	1140	1090	1170	1260	1410
Total Phosphorus (mg/L)	00665	0.78	0.57	1.02	0.46	0.74	0.87	0.85	0.67	0.75	0.84	1
Nitrate-N (mg/L)	00620	4.56	3.51	2.49	2.94	5.88	3.24	6.24	4.56	2.57	1.86	1.15
Chloride (mg/L)	00940	139	207	115	103	139	134	129	148	170	209	209
Sulfate (mg/L)	00945	85.4	95.8	74.9	77.2	81.1	87.2	30.9	81.5	95.1	85	81.3
Total Hardness (mg/L)	00900	287	344	286	281	272	345	308	308	309	332	308
Ammonia-N (mg/L)	00610	0.13	0.17	0.16	0.15	0.15	<0.10	0.13	0.1		0.18	0.33
Chlorophyll a (mg/m ³)	32211	<1.0	<1.0	2.5	<1.0	1.1	<1.0	1.4	1	1.1	1.3	3
Phaeophytin (mg/m ³)	32218	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1	1.8	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625		0.8		0.50		0.6		0.5		0.75	1.06

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Parameter	Parameter Code	Date and 24 hour time										
		6/2/11	7/12/11	8/1/11	9/13/11	10/10/11	11/7/11	12/6/11	1/10/12	1/31/12	2/13/12	3/6/12
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Wet	Dry	Wet	Dry	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		0.00"	0.00"	0.05"	0.00"	1.82"	0.01"	2.09"	0.62"	6.52"	.30"	0.01"
Flow (cfs)	00061	3.8	2	2.6	1	11	2.7	43	9.3	616	69	37
E coli (organisms/100 mL)	31699	39	65	12	9	440	86	210	120	1080	1310	160
Suspended Solids (mg/L)	00530	13.7	34	16.3	15.1	13.8	15	60.7	21.4	527	114	16.0
Turbidity (NTU)	82079	9.4	22.3	6.2	8.7	7.1	9.9	33.9	13.1	86.8	11.3	11.3
pH	00400	7.8	8.2	8.1	8.2	7.6	7.9	7.7	7.6	7.6	7.8	7.8
Temperature (C)	00010	25.9	29.2	29.3	25.6	22	18.3	10.7	11.7	14.6	9.8	16.0
Dissolved Oxygen (mg/L)	00300	4.4	5.5	5.7	5.6	8.2	5.9	9.1	8.4	7.7	10.4	8.9
Conductivity (umhos/cm)	00094	1240	1710	1840	2440	1710	1540	1080	1170	280	581	824
Total Phosphorus (mg/L)	00665	1.13	0.24	1.61	1.27	1.5	0.48	1.23	0.87	0.38	0.27	0.28
Nitrate-N (mg/L)	00620	0.55	0.49	0.23	0.59	0.1	1.06	7.52	4.06	1.04	1.37	1.91
Chloride (mg/L)	00940	171	260	276	349	254	230	119	135		56.9	81.8
Sulfate (mg/L)	00945	77.1	90.5	68.7	90	63.7	84.1	83.8	94.6		50.5	80.3
Total Hardness (mg/L)	00900	246	304	291	326	292	304	310	310		201	264
Ammonia-N (mg/L)	00610	0.16	0.25	0.21	0.13	0.15	0.14	0.14	0.26	0.66	0.26	0.26
Chlorophyll a (mg/m ³)	32211	2.3	2.6	3.1	1.9	<1.0	1.2	2.9	<1.0		1.8	1.8
Phaeophytin (mg/m ³)	32218	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.7	0.84	0.78	0.9	0.65	0.64	1.11	0.81	1.17	0.75	0.52

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Parameter	Parameter Code	Date and 24 hour time										
		4/4/12	6/14/12	7/10/12	7/16/12	8/14/12	9/5/12	10/1/12	11/14/12	12/18/12	1/7/13	1/16/13
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.07"	0.21"	0.63"	2.78"	0.00"	0.00"	1.97"	0.00"	0.45"	0.37"	0.07"
Flow (cfs)	00061	111	7.7	3.7	86	2.2	2.1	36	4.5	28	9.5	20
E coli (organisms/100 mL)	31699	270	120	91	1000	70	45	180	72	98	87	180
Suspended Solids (mg/L)	00530	103	5.8	21.4	157	14.8	16.7	30	4.7	7.63	<1	9.50
Turbidity (NTU)	82079	73.5	3.5	13.3		9.2	12.6	24.8	5.5	4.7	4.1	
pH	00400	7.7	7.9	7.9	7.5	7.9	7.8	7.6	7.6	7.8	8.2	7.8
Temperature (C)	00010	22.7	27.4	28.5	26.1	28.6	27.5	22.3	14.3	13.6	7.7	7.4
Dissolved Oxygen (mg/L)	00300	7	5	5.5	6.3	6.6	5	6.1	7.7	8.6	10.6	9.8
Conductivity (umhos/cm)	00094	517	1270	1610	735	1530	1600	725	1300	1240	1150	1130
Total Phosphorus (mg/L)	00665	0.24	0.48	0.46	0.89	0.59	0.74	1	0.78	1.11	1.06	1.81
Nitrate-N (mg/L)	00620	0.9	0.54	0.27	1.72	0.17	0.32	4.95	1.82	1.05	4.12	7.96
Chloride (mg/L)	00940	38.6	169	251	235	245	76.3	173	160	150		
Sulfate (mg/L)	00945	37.6	92	96.4		121	89.2	56.4	77.7	76	80.6	
Total Hardness (mg/L)	00900	209	299	337	296	300	215	289	300	300	300	
Ammonia-N (mg/L)	00610	0.18	0.31	0.23	0.23	0.18	0.18	0.22	0.19	0.17	0.15	0.19
Chlorophyll a (mg/m ³)	32211	3.1	2.3	3.1		3.7	2	<1	<1.00	<1.00	<1.00	
Phaeophytin (mg/m ³)	32218	<1.0	1.2	3.1		2.3	1.98	4.1	<1.00	1.66	2.68	
Total Kjeldahl Nitrogen (mg/L)	00625	0.92	0.91	0.94	1.25	0.91	0.57	0.65	0.64	0.97	0.66	0.42

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 Latitude 29.657329 Longitude -97.601895

Parameter	Parameter Code	Date and 24 hour time										
		2/4/13	3/20/13	4/2/13	4/4/13	5/14/13	6/5/13	7/1/13	8/7/13	9/10/13	9/24/13	10/2/13
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Wet	Dry	Dry	Dry	Dry	Dry	Wet	Wet
Rainfall (Inches)* within last 7 days		0.02"	0.29"	2.57"	3.02"	1.08"	0.08"	.55"	0.00"	0.23"	2.97"	1.95"
Flow (cfs)	00061	5.9	8.1	10	155	12	13	1.9	1.6	1.5	3.0	76
E coli (organisms/100 mL)	31699	120	920	130	13000	200	160	120	18	130	360	260
Suspended Solids (mg/L)	00530	14.4	12.4	5.70	147	18.3	40.6	49.20	14.6	15.3	51.1	363
Turbidity (NTU)	82079	8.7	5.4	4.1	12.4	33.6	0.7	7.1	10.1			262
pH	00400	7.9	7.5	7.7	7.7	7.9	7.8	8.0	8.2	8.1	7.6	7.7
Temperature (C)	00010	15.4	19.5	21.7	14.8	22.8	25.7	27.7	29.0	26.8	23.4	24.7
Dissolved Oxygen (mg/L)	00300	8.0	5.3	4.7	6.4	7.8	6.0	4.4	4.4	5.8	4.7	7.7
Conductivity (umhos/cm)	00094	1210	1320	1280	420	1070	726	1340	1570	1540	512	664
Total Phosphorus (mg/L)	00665	1.14	1.06	1.33	0.74	0.94	0.85	1.60	1.50	1.57	0.65	0.53
Nitrate-N (mg/L)	00620	4.92	2.81	0.35	0.97	2.14	1.05	0.20	0.27	0.12	1.01	0.75
Chloride (mg/L)	00940	175	175	171	138	79.9	199	250	255			100
Sulfate (mg/L)	00945	86.5	99.4	80.7	75.8	49.5	46.70	55.0	55.9			55.9
Total Hardness (mg/L)	00900	288	299	282		279	193	230	267	266		193
Ammonia-N (mg/L)	00610	0.18	0.21	0.22	0.20	0.23	0.18	0.38	0.21	0.17	0.26	<0.10
Chlorophyll a (mg/m ³)	32211	3.83	1.50	1.36		2.37	1.87	2.14	3.92	1.03		19.2
Pheophytin (mg/m ³)	32218	1.31	3.30	2.48		2.40	1.62	7.02	3.03	1.53		<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.99	0.63	0.91	1.29	1.51	0.71	0.93	0.74	0.43	1.06	1.04

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		11/18/13	12/4/13	01/13/14	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)		Wet	Dry	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		0.00"	0.67	0.41"	0.21"	0.88"	0.44"	0.0"	4.34"	0.09"	0.03"	0.00"
Flow (cfs)	00061	264	19	19	14	30		3.9	88	13	4.4	2.0
E coli (organisms/100 mL)	31699	270	80	130	170	310		110	2600	350	110	11
Suspended Solids (mg/L)	00530	82	11.6	6.10	1.80	3.33		3.40	349	11.8	9.80	6.40
Turbidity (NTU)	82079	65.7	10.4	2.1	1.8	6.3		5.5		15.3	3.7	4.4
pH	00400	7.7	7.6	8.0	7.4	7.6		7.7	7.7	7.3	7.5	8.0
Temperature (C)	00010	18.4	14.7	12.5	11.1	14.9		23.2	18.3	25.9	28.0	27.6
Dissolved Oxygen (mg/L)	00300	8.2	8.4	9.3	10.7	9.6		4.1	7.0	6.1	4.8	4.5
Conductivity (umhos/cm)	00094	298	789	1160	1280	1380		1510	466	703	1060	1600
Total Phosphorus (mg/L)	00665	0.2	0.34	0.71	0.88	0.84		1.32	0.80	0.44	0.56	0.66
Nitrate-N (mg/L)	00620	0.47	2.82	5.52	6.16	5.32		0.24	1.20	0.83	0.48	0.41
Chloride (mg/L)	00940	11.0	71.0	136	166	207		226		76.5	155	280
Sulfate (mg/L)	00945	17	78.3	118	101	103		90.2		39.9	65.2	99.1
Total Hardness (mg/L)	00900	140	260	304	364	330		346		197	274	331
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	0.39	0.28	0.30	0.31	0.27	0.35	0.17
Chlorophyll a (mg/m ³)	32211	3.84	1.04	6.68	1.19	---		<1.0		4.84	1.70	<1.00
Pheophytin (mg/m ³)	32218	<1.0	<1.0	1.30	<1.0	---		<1.0		<1.0	<1.0	63.1
Total Kjeldahl Nitrogen (mg/L)	00625	0.67	0.55	0.70		1.09	0.746	0.846	1.92	0.88	0.75	0.75

*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	9/22/14	10/6/14	11/3/14	12/1/14	1/5/15	1/6/15	1/26/15	2/3/15	2/24/15	3/11/15
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.01	4.37"	.38"	.17"	0.0"	1.18	1.18"	3.26	.49"	0.00"	2.19"
Flow (cfs)	00061	2.1	44	5.2	3.3	20	56		282	45	15	454.0
E coli (organisms/100 mL)	31699	100	400	190	78	160	---	820	1700	390	280	3900
Suspended Solids (mg/L)	00530	9.30	54.0	11.4	14.7	34.2	35.0		201	26.6	13.60	252
Turbidity (NTU)	82079	5.2		7.4	4.1	28.6	24.3			22.7		159
pH	00400	8	7.7	7.9	7.9	7.1	7.6			8.0	7.4	7.6
Temperature (C)	00010	28.4	25.1	23.0	17.9	15.6	8.6		10.8	11.1	9.2	13.3
Dissolved Oxygen (mg/L)	00300	6.6	6.0	6.1	7.4	7.5	11.1		10.3	10.0	9.6	9.2
Conductivity (umhos/cm)	00094	1720	1000	1210	1320	567	952		362	583	1070	329
Total Phosphorus (mg/L)	00665	1.29	2.06	0.90	0.33	0.32	0.34		0.23	0.28	0.44	0.39
Nitrate-N (mg/L)	00620	<0.05	9.48	1.46	2.70	1.36	4.46		0.92	1.34	2.19	0.69
Chloride (mg/L)	00940	292.0		199	234	60.3	113			52.1		20.0
Sulfate (mg/L)	00945	60.2		69.9	83.5	43.5	95.7			49.8		31.2
Total Hardness (mg/L)	00900	288		232	284	163	295			193		180
Ammonia-N (mg/L)	00610	0.25	0.27	0.23	0.19	0.21			0.12	<0.10	<0.10	0.13
Chlorophyll a (mg/m ³)	32211	1.97		3.89	1.39	<1.0	2.59			<1.0		4.36
Pheophytin (mg/m ³)	32218	<1.0		<1.0	<1.0	<1.0				6.89		<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.65	0.59	0.88	0.85		0.78		0.68	0.83	0.78	1.34

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

Station Name Plum Creek at CR 135
 TCEQ Segment No. 1810
 TCEQ Station Id No. 12640
 Monitoring Type Routine
 Latitude 29.657329 Longitude -97.601895

Parameter	Parameter Code	Date and 24 hour time										
		4/8/15	4/20/15	5/7/15	6/9/15	7/9/15	8/3/15	09/17/15	10/07/15	10/28/15	11/18/15	12/02/15
Weather Conditions (Wet or Dry)		Dry	Wet	Wet	Dry	Dry	Dry	Wet	Dry	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		0.04"	1"	1.76"	0.0"	0.0"	0.0"	2.40"	0.00"	7.55"	0.37"	0.69"
Flow (cfs)	00061	27	381	84.0	384	47	11	5.1	3.4	63	351	42
E coli (organisms/100 mL)	31699	210	890	440	130	170	120	200	179	930	2400	99
Suspended Solids (mg/L)	00530	15.0	165	37.2	107	15.6	12.5	8.6	5	40.4	124	8.8
Turbidity (NTU)	82079	8.0		22.2	60.3	10.1	8.4	6.4	3.5		76.9	7.7
pH	00400	7.8	7.8	7.4	7.7	8.0	7.8	7.8	7.8	7.6	7.9	7.8
Temperature (C)	00010	22.2	21.3	23.8	26.6	27.7	26.7	25.4	21.5	18.7	17.7	13.1
Dissolved Oxygen (mg/L)	00300	7.2	7.0	6.8	6.9	7.6	5.8	6.1	6.6	7.8	8.3	9.5
Conductivity (umhos/cm)	00094	881	338	615	374	842	1030	1490	1620	507	346	833
Total Phosphorus (mg/L)	00665	0.42	0.38	0.40	0.31	0.24	0.29	0.76	0.88	0.39	0.22	0.44
Nitrate-N (mg/L)	00620	1.57	0.35	0.94	0.49	1.93	0.94	2.6	1.77	1.49	0.66	1.77
Chloride (mg/L)	00940	94.8		67.6	20.1	97.4	134	236	266		19.7	84.5
Sulfate (mg/L)	00945	71.1		37.0	18.6	65.9	59.4	90	92.5		27.5	76.7
Total Hardness (mg/L)	00900	262		219	143	263	265	318	316		154	262
Ammonia-N (mg/L)	00610	0.12	0.12	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	0.74
Chlorophyll a (mg/m ³)	32211	4.21		4.76	<1.0	2.37	<1.00	1.22	1.63		4.57	2.28
Pheophytin (mg/m ³)	32218	<1.0		2.90	<1.0	<1.00	<1.00	<1.0	<1.0		<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.60	1.24	0.87	0.90	0.53	0.93	0.8	0.6	1.58	0.95	1.74

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

Parameter	Parameter Code	Date and 24 hour time										
		12/17/15	01/05/16	02/02/16	3/1/16	3/14/16	4/6/16	5/2/16	5/23/16	6/8/16	7/12/16	7/27/16
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		1.21"	0.29"	0.16"	0.00"	3.18"	0.16"	1.7"	3.15"	2.05"	0.04"	1.90"
Flow (cfs)	00061	58	44	22	20	169	18	193	698	755	18	11
E coli (organisms/100 mL)	31699	340	250	88	230	860	440	3600	730	170	130	120
Suspended Solids (mg/L)	00530	27.9	10.2	2.4	22.5	126	7.2	34.0	275	140	10.50	7.00
Turbidity (NTU)	82079		8.9	2.3	11.6		6.4	50.7		169	7.1	
pH	00400	7.9	7.7	7.9	7.5	7.7	7.7	7.8	7.8	7.6	7.8	7.8
Temperature (C)	00010	14.6	9.7	15.6	18.6	18.7	18.0	21.8	23.2	26.2	27.5	26.5
Dissolved Oxygen (mg/L)	00300	9.2	10.6	8.1	7.6	8.0	8.1	7.4	7.4	6.1	6.1	5.5
Conductivity (umhos/cm)	00094	645	988	1280	1150	496	1230	447	298	326	1070	1430
Total Phosphorus (mg/L)	00665	0.19	0.31	0.24	0.36	0.24	0.38	0.30	0.32	0.21	0.3	0.38
Nitrate-N (mg/L)	00620	1.06	3.33	4.41	1.86	1.69	3.33	0.90	0.38	0.37	3.00	2.73
Chloride (mg/L)	00940		120	196	177		166	30.3		14.8	213	
Sulfate (mg/L)	00945		91.1	112	92.2		94.7	35.3		19.1	71.9	
Total Hardness (mg/L)	00900		293	332	295		328	188		140	280	
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.4	0.34
Chlorophyll a (mg/m ³)	32211		1.07	3.2	3.28		1.30	<1.0		3.87	3.12	
Pheophytin (mg/m ³)	32218		<1.0	1.16	1.44		<1.0	<1.0		4.91	<1.0	
Total Kjeldahl Nitrogen (mg/L)	00625	1.04	0.66	0.62	0.90	1.27	0.66	1.29	0.38	0.74	0.63	1.00

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

Parameter	Parameter Code	Date and 24 hour time										
		8/1/16	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
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		1.14"	0.78"	0.02"	0.75"	0.01"	0.00"	2.61"	0.70"	2.08"	0.00"	1.93"
Flow (cfs)	00061	57	30	13	23	73	24	399	1220	406	25.4	72
E coli (organisms/100 mL)	31699	1200	490	88	390	310	59	3100	6000	870	260	440
Suspended Solids (mg/L)	00530	51.4	18.1	10.9	13.6	35.4	3.00	50.8	138	102	14.6	66.9
Turbidity (NTU)	82079	55.3	18.3	8.1	10.8	35.3	2.5	36.8	150	62.5	10.6	42.0
pH	00400	7.8	7.7	7.6	7.6	7.5	7.9	7.7	7.4	7.6	7.8	8.0
Temperature (C)	00010	27.9	27.2	19.9	18.0	12.2	13.2	18.7	16.7	20.4	20.9	25.3
Dissolved Oxygen (mg/L)	00300	5.9	6.9	6.9	8.0	9.9	10.0	8.5	8.6	7.9	8.3	7.2
Conductivity (umhos/cm)	00094	569	756	1200	990	555	1130	933	300	780	1120	1020
Total Phosphorus (mg/L)	00665	0.28	0.28	0.66	0.72	0.27	0.58	0.39	0.40	0.32	0.43	0.71
Nitrate-N (mg/L)	00620	1.65	2.39	5.12	3.34	2.71	7.32	2.62	1.06	2.94	5.22	7.23
Chloride (mg/L)	00940	45.0	69.3	147	113	47.1	143	113	14.2	81.8	144	116
Sulfate (mg/L)	00945	66.1	55.4	88.7	85.0	52.3	90.5	85.8	17.9	69.7	90.4	82.0
Total Hardness (mg/L)	00900	190	237	341	268	187	329	183	151	248	321	299
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	5.10	2.57	<1.00	<1.00	4.27	2.64	5.34	4.98	5.61	19.40	4.27
Pheophytin (mg/m ³)	32218	1.46	<1.00	<1.00	<1.00	<1.00	<1.00	2.02	2.86	1.25	1.63	1.58
Total Kjeldahl Nitrogen (mg/L)	00625	0.93	0.60	0.64	0.73	1.31	<0.20	1.34	1.65	0.59	0.91	0.55

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

Station Name Plum Creek at CR 135
 TCEQ Segment No. 1810
 TCEQ Station Id No. 12640
 Monitoring Type Routine
 Latitude 29.657329 Longitude -97.601895

Parameter	Parameter Code	Date and 24 hour time										
		7/24/17	8/7/17	9/6/17	10/17/17	11/14/17	12/6/17	1/23/18	2/21/18	3/13/18	4/2/18	5/8/18
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Wet	Dry	Dry	Dry	Wet	Wet
Rainfall (Inches)* within last 7 days		0.00"	2.92"	0.00"	0.00"	0.21"	1.00"	0.01"	0.33"	0.00"	6.08"	2.50"
Flow (cfs)	00061	19	33	821	35	28	23	28	25.9	19	410	61.2
E coli (organisms/100 mL)	31699	73	220	20	110	140	2400	47	160	190	950	490
Suspended Solids (mg/L)	00530	21.5	12.2	126	15.7	9.60	11.2	2.70	10.4	22.1	224	75.7
Turbidity (NTU)	82079	14.8	18.9	63.7	9.6	5.4	6.2	2.7	4.5	9.9	68.1	81.1
pH	00400	7.9	8.0	7.6	7.9	7.9	7.9	8.1	7.9	7.9	7.6	8
Temperature (C)	00010	29.0	27.5	26.6	18.6	18.7	14.5	9.7	18.3	15.2	21.1	22.1
Dissolved Oxygen (mg/L)	00300	6.0	6.0	5.9	7.6	6.7	8.0	10.2	6.6	8.6		7.6
Conductivity (umhos/cm)	00094	1130	1350	241	900	1180	1150	1220	1280	1230	359	644
Total Phosphorus (mg/L)	00665	0.42	0.74	0.32	0.35	0.46	0.47	0.18	0.76	0.53	0.37	0.34
Nitrate-N (mg/L)	00620	2.91	3.76	0.22	3.68	4.00	6.52	6.81	4.9	3.65	0.64	1.82
Chloride (mg/L)	00940	162	196	9.37	97.8	142	140	160	176	167	21.8	63.4
Sulfate (mg/L)	00945	81.3	90.1	12.5	62.4	78.9	82.5	106	176	104	30.3	69.2
Total Hardness (mg/L)	00900	289	314	103	267	330	330	343	347	332	167	221
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	0.11	<0.10		0.81		<0.10	0.1	<0.10
Chlorophyll a (mg/m ³)	32211	10.7	7.16	10.3	1.01	<1.00	1.63	8.72	2.2	2.61	5.52	6.76
Pheophytin (mg/m ³)	32218	1.05	1.44	3.18	<1.00	<1.00	<1.00	<1.00	1.29	2	<1.00	2.21
Total Kjeldahl Nitrogen (mg/L)	00625	0.98	0.72	0.99	0.82	0.76		1.15		<0.20	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										
		6/14/18	7/18/18	8/6/18	9/10/18	10/9/18	11/19/18	12/5/18	12/18/18	1/7/19	2/19/19	3/13/19
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Wet	Wet	Dry	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		0.00"	0.00"	0.00"	1.37"	1.49"	0.15"	0.03"	0.02"	2.58"	0.15"	0.04"
Flow (cfs)	00061	6.9	24	5.4	71	31	48	21	102	329	40	40
E coli (organisms/100 mL)	31699	190	360	96	1500	690	1000	67	280	1700	170	300
Suspended Solids (mg/L)	00530	25.8	61	34	18.9	34.3	33.9	2.9	52.4	169	2.3	13.6
Turbidity (NTU)	82079	13.2	29.6	17.1	110	25.4	20.6	2.1	120	2.6	6.6	6.6
pH	00400	7.8	7.7	8	7.8	7.8	7.7	7.9	7.5	7.5		8.2
Temperature (C)	00010	28	25.9	27.2	25.2	24.9	11.5	12.2	11.3	7.5	12.9	19.7
Dissolved Oxygen (mg/L)	00300	5.4	6.5	5.7	6	6.6	9.3	10.2	9.6	10		7.4
Conductivity (umhos/cm)	00094	1510	1350	1460	1070	929	719	1020	447	339		1270
Total Phosphorus (mg/L)	00665	0.68	1.8	0.92	1.3	0.85	0.4	0.45	0.21	0.22	0.21	0.3
Nitrate-N (mg/L)	00620	3.71	7.01	1.47	6.7	4.94	2.71	3.59	1.49	0.95	3.26	4.94
Chloride (mg/L)	00940	257	199	234	154	103	72	110		20.7	178	185
Sulfate (mg/L)	00945	109	111	103	81.5	76.7	61.4	93.2		27.7	138	119
Total Hardness (mg/L)	00900	347	320	323	278	272	239	314		151	346	359
Ammonia-N (mg/L)	00610	<.10	0.26	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	11.2	5.47	5.87	6.27	1.72	2.34	3.5		<1.00	2.7	7.39
Pheophytin (mg/m ³)	32218	2.12	1.72	2.72	7.09	<1.00	<1.00	<1.00		2.44	1.25	2.14
Total Kjeldahl Nitrogen (mg/L)	00625	0.91	1.13	0.64	0.99	0.82		0.98	0.54	0.88	0.268	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										
		4/4/19	5/13/19	6/12/19	6/17/19	8/8/19	9/5/19	10/31/19	11/20/19	12/5/19	1/29/20	2/17/20
Weather Conditions (Wet or Dry)		DRY	WET	Wet	Wet	Dry	Dry	Dry	Dry	Dry	Dry	WET
Rainfall (Inches)* within last 7 days		0.05"	2.39"	1.50"	1.30"	0.00"	0.00"	0.04"	0.14"	0.17"	0.28"	1.25"
Flow (cfs)	00061	17	189	43	1780	6.1	7.8	11	11	12	19	20
E coli (organisms/100 mL)	31699	1300	290	550	20000	270	93	250	49	73	160	140
Suspended Solids (mg/L)	00530	17.3	132	48.7	227	22.3	27.6	11.9	2.1	2.1	2.8	3.7
Turbidity (NTU)	82079	9.9	80	55		11	25	19	3	2.7	2.9	3.9
pH	00400	8.1	8	7.7	7.7	7.9	7.9	7.9	7.8	8	7.6	8
Temperature (C)	00010	17.4	20.4	24.1	23.5	28.6	27.3	11.9	14.2	12.8	13.6	15.5
Dissolved Oxygen (mg/L)	00300	9.2	7.5	7.3	5.7	5.9	6.2	9.4	7.4	8.4	9.2	8.5
Conductivity (umhos/cm)	00094	1340	393	524	348	1330	1400	826	1170	1190	1190	1160
Total Phosphorus (mg/L)	00665	0.533	0.279	0.473	1.1	0.612	0.959	0.312	0.83	0.69	0.739	1.25
Nitrate-N (mg/L)	00620	4.33	0.963	1.48	1.81	4.03	3.69	2.25	6.06	3.2	3.9	3.51
Chloride (mg/L)	00940	193	25.2	58.7		210	225	119	158	164	178	168
Sulfate (mg/L)	00945	108	30.1	38.5		89	88.3	71	79.1	85.7	93.1	92.8
Total Hardness (mg/L)	00900	359	167	176		327	320	210	320	338	316	300
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10		<0.10		<0.10	<0.10	<0.10	
Chlorophyll a (mg/m ³)	32211	2.4	2.76	5.07		4.58	3.26	<1.00	1.37	<1.00	1.56	<1.00
Pheophytin (mg/m ³)	32218	1.58	1.42	2.28		1.32	<1.00	<1.00	<1.00	1.73	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.75	0.93	1.02	2.55		0.91		0.78	0.77	1.1	

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

Station Name Plum Creek at CR 135
 TCEQ Segment No. 1810
 TCEQ Station Id No. 12640
 Monitoring Type Routine
 Latitude 29.657329 Longitude -97.601895

Parameter	Parameter Code	Date and 24 hour time	
		3/9/20	4/13/20
Weather Conditions (Wet or Dry)		11:42	1148
Rainfall (Inches)* within last 7 days		1.06"	0.24"
Flow (cfs)	00061	18	39
E coli (organisms/100 mL)	31699	170	250
Suspended Solids (mg/L)	00530	6.8	52.6
Turbidity (NTU)	82079	3.1	24
pH	00400	7.7	7.8
Temperature (C)	00010	17.0	18.9
Dissolved Oxygen (mg/L)	00300	9.6	8.4
Conductivity (umhos/cm)	00094	1190	634
Total Phosphorus (mg/L)	00665	1.08	0.492
Nitrate-N (mg/L)	00620	2.62	1.65
Chloride (mg/L)	00940	160	63
Sulfate (mg/L)	00945	97.6	54.7
Total Hardness (mg/L)	00900	301	201
Ammonia-N (mg/L)	00610	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	1.51	3.61
Pheophytin (mg/m ³)	32218	<1.00	2.65
Total Kjeldahl Nitrogen (mg/L)	00625	0.72	0.93

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

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Data after March 2017 is preliminary and subject to change during data review and validation process

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