

Station name                    Andrews Branch at CR 131  
TCEQ Segment No.                1810  
TCEQ Station Id No.              12538  
Monitoring Type                  Targeted  
Latitude 30.0303630              Longitude -97.8273200

Parameter	Code	Date and 24 hour time					Date and 24 hour time					
		3/19/2008	5/13/2008	7/9/2008	8/19/2008	10/13/2008	2/17/2009	3/17/2009	9/16/2009	7/14/2010	9/8/2010	10/20/2010
Weather Conditions (Dry or Wet)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Dry	Wet	Dry
Rainfall (Inches)* within last 7 days		1.00"	0.04"	0.44"	1.35"	0.42"	0.06"	2.47"	4.08"	1'64"	4.51"	0.00"
Flow (cfs)	00061	3.8	0.90	1	1.2	0.7	0.55	0.68	1	0.9	121	0.8
E coli (organisms/100 mL)	31699	6800	330	96	130	64	150	41	510	490	1790	38
pH	00400	7.93	7.67	7.5	7.7	7.6	7.7	7.8	7.7	7.7	7.7	7.9
Temperature (C)	00010	16.3	22.1	26.5	26.6	23.5	14.1	16.1	23.6	28.1	26.6	20.4
Dissolved Oxygen (mg/L)	00300	9.51	5.27	6.1	6.7	7.4	8.5	10.2	6.4	6	8.6	6.7
Conductivity (umhos/cm)	00094	769	1557	1590	1340	1570	1480	1410	1330	1460	440	1520
Total Phosphorus (mg/L)	00665	0.21	0.29	0.28	0.22	0.22	0.18	0.17	0.16	0.34	0.21	0.29
Nitrate-N (mg/L)	00620	2.66	2.49	5.54	9.65	14.6	17	6.98	9.92	10.1	1.14	10.5
Ammonia-N (mg/L)	00610	<0.10	0.10	0.10	0.14	0.11	0.23	0.12	0.15	0.12	0.13	0.15

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

Parameter	Code	Date and 24 hour time				Date and 24 hour time			
		4/19/2011	6/22/2011	7/27/2011	10/11/2011				
Weather Conditions (Dry or Wet)		Dry	Wet	Dry	Wet				
Rainfall (Inches)* within last 7 days		0.00"	1.34"	0.00"	1.82"				
Flow (cfs)	00061	0.9	6.1	0.6	0.1				
E coli (organisms/100 mL)	31699	130	10460	280	290				
pH	00400	7.8	7.8	7.8	8.0				
Temperature (C)	00010	23.3	23.4	27	23.5				
Dissolved Oxygen (mg/L)	00300	6.7	5.6	6.3	1.0				
Conductivity (umhos/cm)	00094	1650	636	1600	836				
Total Phosphorus (mg/L)	00665	0.30	0.44	0.34	0.28				
Nitrate-N (mg/L)	00620	22.6	3.14	20.3	20.6				
Ammonia-N (mg/L)	00610	0.35	0.33	0.22	0.20				
TKN	00625	1.03	2.30	0.71	0.83				
Suspended Solids	00530	47.5	708	22.3	22.9				

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

Station name Boggy Creek Springs  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20508  
 Monitoring Type Spring  
 Latitude 29.870000 Longitude -97.710278

Parameter	Parameter Code	Date and 24 hour time						
		3/19/2008	7/9/2008	10/13/2008	2/16/2009	4/19/2011	6/22/2011	10/11/2011
Weather Conditions (Wet or Dry)		1036 Wet	1025 Dry	1319 Dry	1528 Dry	1315 Dry	1246 Wet	1133 Wet
Rainfall (Inches)* within last 7 days		1.00"	0.44"	0.42"	0.50"	0.00"	1.34"	1.82"
Flow (cfs)	00061	0.10	0.2	0.7	0.05	0.3	0.2	<0.01
E coli (organisms/100 mL)	31699	640	64	120	160	190	9800	200
Suspended Solids (mg/L)	00530	10	8	1.7	10.7	1.80	31	6.90
pH	00400	7.47	7.5	7.6	7.5	7.7	7.6	7.6
Temperature (C)	00010	15.8	24.2	21.5	14.4	21.6	24.5	21
Dissolved Oxygen (mg/L)	00300	7.03	5	6.3	7.7	6.1	4.9	5.5
Conductivity (umhos/cm)	00094	674	673	680	1450	714	645	706
Total Phosphorus (mg/L)	00665	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.02
Nitrate-N (mg/L)	00620	5.4	5.58	7.04	6.22	8.28	5.76	6.28
Chloride (mg/L)	00940	13.7	11.8	12.8	14.4	13.1	13.3	12.5
Sulfate (mg/L)	00945	43.3	45.2	47.7	48.4	45.7	47.3	47.2
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	0.18	0.31	0.19	0.14
TKN	00625					0.39	0.73	0.40

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

Station name Brushy Creek at FM 2001 (dwnstrm NRCS 12)

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20482  
 Monitoring Type Targeted  
 Latitude 30.033032 Longitude -97.771327

Parameter	Parameter Code	Date and 24 hour time									
		3/19/2008	5/13/2008	7/9/2008	8/19/2008	10/13/2008	3/17/2009	9/16/2009	11/23/2009	3/16/2010	7/14/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		1.00"	0.04"	0.44"	1.35"	0.42"	2.47"	4.08"	1.43"	0.86"	1.64"
Flow (cfs)	00061	1.2	dry	dry	dry	dry	dry	dry	0	0.6	dry
E coli (organisms/100 mL)	31699	6800							110	200	
pH	00400	7.83							7.7	8.1	
Temperature (C)	00010	21.9							12.5	16.2	
Dissolved Oxygen (mg/L)	00300	6.88							7.9	11.6	
Conductivity (umhos/cm)	00094	534							260	425	
Total Phosphorus (mg/L)	00665	0.23							0.09	0.05	
Nitrate-N (mg/L)	00620	0.08							0.09	<0.05	
Ammonia-N (mg/L)	00610	<0.10							0.43	<0.1	

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

Parameter	Parameter Code	Date and 24 hour time						
		9/8/2010	10/20/2010	4/19/2011	6/22/2011	7/27/2011	10/11/2011	
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	
Rainfall (Inches)* within last 7 days		4.51"	0.00"	0.00"	1.34"	0.00"	1.82"	
Flow (cfs)	00061	<0.01	Dry	0	dry	dry	dry	
E coli (organisms/100 mL)	31699	600		4				
pH	00400	7.8		7.9				
Temperature (C)	00010	29.1		25.3				
Dissolved Oxygen (mg/L)	00300	6.1		6.3				
Conductivity (umhos/cm)	00094	462		1100				
Total Phosphorus (mg/L)	00665	0.46		0.10				
Nitrate-N (mg/L)	00620	5.7		<0.05				
Ammonia-N (mg/L)	00610	0.47		0.42				

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

Station name Brushy Creek at SH 21  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20487  
 Monitoring Type Targeted  
 Latitude 29.978394 Longitude -97.765739

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	2/16/2009	3/17/2009	9/15/2009	10/5/2009	3/16/2010
Weather Conditions (Wet or Dry)		1453	1412	1437	1325	1455	1434	1200	1458	1529	1504
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet
		1.80"	0.03"	0.67"	1.06"	0.42"	0.50"	2.47"	4.19"	1.01"	0.86"
Flow (cfs)	00061	1	0	dry	dry	dry	0.01	0.05	dry	3.6	0.6
E coli (organisms/100 mL)	31699	400	79				1	135		1380	120
pH	00400	7.8	7.8				7.5	7.7		7.8	7.6
Temperature (C)	00010	18	20.7				14.4	14.4		23.8	16.1
Dissolved Oxygen (mg/L)	00300	7.79	10				7.3	7.3		9.3	10.5
Conductivity (umhos/cm)	00094	680	993				1430	1370		476	446
Total Phosphorus (mg/L)	00665	0.14	0.1				0.05	0.25		0.15	0.06
Nitrate-N (mg/L)	00620	2.83	<0.05				<0.05	0.19		1.5	<0.05
Ammonia-N (mg/L)	00610	<0.10	0.31				0.2	0.15		0.45	<0.1

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

Parameter	Parameter Code	Date and 24 hour time							
		5/18/2010	7/13/2010	9/8/2010	10/20/2010	4/18/2011	6/21/2011	7/27/2011	10/11/2011
Weather Conditions (Wet or Dry)		1505	1509	1255	1143	1459	1343	1132	1304
Rainfall (Inches)* within last 7 days		Wet	Dry	Wet	Dry	Dry	Dry	Dry	Dry
		1.01"	1.64"	4.51"	0.00"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	0.3	<0.01	10	0	0	Dry	Dry	Dry
E coli (organisms/100 mL)	31699	930	30	7270	21	64			
pH	00400	7.8	8	7.8	8.1	7.6			
Temperature (C)	00010	25	28.6	25.7	18.7	22			
Dissolved Oxygen (mg/L)	00300	6.2	6.3	9.4	7.1	2.5			
Conductivity (umhos/cm)	00094	723	811	406	726	1430			
Total Phosphorus (mg/L)	00665	0.11	0.07	0.33	0.12	0.16			
Nitrate-N (mg/L)	00620	0.22	<0.05	0.36	0.09	0.17			
Ammonia-N (mg/L)	00610	0.14	<0.10	0.11	0.14	0.46			

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

Station name Brushy Creek at Rocky Road (upstream of NRCS 14)  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20488  
 Monitoring Type Routine  
 Latitude 29.961136 Longitude -97.747981

Parameter	Code	Date and 24 hour time										
		2/18/2008	3/12/2008	4/9/2008	5/7/2008	6/11/2008	6/26/2008	7/3/2008	8/6/2008	8/18/2008	9/9/2008	10/7/2008
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		1.12"	1.89"	0.11"	0.28"	0.19"	0.60"	0.44"	0.00"	1.06"	0.15"	0.42"
Flow (cfs)	00061	<0.01	<0.01	<0.01	<0.01	dry	dry	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	145	5480	20	260							
Suspended Solids (mg/L)	00530	18.3	68.4	14.7	18.7							
Turbidity (NTU)	82079	22.6	53.8	19.4	22.6							
pH	00400	7.87	7.61	7.39	7.3							
Temperature (C)	00010	13.7	14.6	22.2	22.2							
Dissolved Oxygen (mg/L)	00300	9.3	8.85	1.72	0.6							
Conductivity (umhos/cm)	00094	1108	544	715	684							
Total Phosphorus (mg/L)	00665	0.05	0.27	0.19	0.14							
Nitrate-N (mg/L)	00620	0.1	1.44	<0.05	0.19							
Chloride (mg/L)	00940	123	36.4	55.2	60.8							
Sulfate (mg/L)	00945	149	64.8	58.8	42							
Total Hardness (mg/L)	00900	344	197	251	227							
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	0.18							
Chlorophyll a (mg/m <sup>3</sup> )	32211	2.3	9.7	32.9	26.2							
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	4.8	3.4							
TKN	00625											

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

Parameter	Code	Date and 24 hour time										
		11/12/2008	12/4/2008	1/7/2009	2/4/2009	3/10/2009	3/17/2009	5/5/2009	6/3/2009	7/6/2009	8/3/2009	9/3/2009
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		0.02"	0.06"	0.00"	0.00"	0.00"	2.47"	0.03"	0.08"	0.37"	0.17"	0.00"
Flow (cfs)	00061	dry	dry	dry	dry	dry	<0.01	<0.01	dry	dry	dry	dry
E coli (organisms/100 mL)	31699						130	240				
Suspended Solids (mg/L)	00530						11	3				
Turbidity (NTU)	82079							3.26				
pH	00400						7.5	7.3				
Temperature (C)	00010						12.6	22				
Dissolved Oxygen (mg/L)	00300						6.6	1.9				
Conductivity (umhos/cm)	00094						1390	1290				
Total Phosphorus (mg/L)	00665						0.1	0.09				
Nitrate-N (mg/L)	00620						<0.05	<0.05				
Chloride (mg/L)	00940						193	194				
Sulfate (mg/L)	00945						173	131				
Total Hardness (mg/L)	00900						378	342				
Ammonia-N (mg/L)	00610						0.13	0.1				
Chlorophyll a (mg/m <sup>3</sup> )	32211						3.3	1.2				
Pheophytin (mg/m <sup>3</sup> )	32218						<1.0	<1.0				
TKN	00625											

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

Parameter	Code	Date and 24 hour time										
		9/15/2009	10/5/2009	11/4/2009	12/1/2009	1/12/2010	2/3/2010	3/10/2010	4/14/2010	5/4/2010	6/16/2010	7/6/2010
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Wet	Dry	Wet	Wet	Dry	Dry	Wet	Wet
Rainfall (Inches)* within last 7 days		4.19"	1.01"	0.06"	1.35"	0.02"	2.08"	0.12"	0.00"	0.00"	2.27"	2.44"
Flow (cfs)	00061	dry	3.6	0	14			1.2	0	0	0	0
E coli (organisms/100 mL)	31699		1370	83	43	6	1790	1990	81	150	86	41
Suspended Solids (mg/L)	00530		30	10	10.7	4.3	232	10	17.3	12.7	29.7	10.7
Turbidity (NTU)	82079		60.3	17.5	17.6	4.7	112	10.5	19.1	9.4	24.6	13.1
pH	00400		7.7	7.7	7.6	7.9	8	8	7.4	7.4	7.6	7.4
Temperature (C)	00010		25.2	15.7	11.5	7.5	9.5	18.3	19.5	19.8	30.3	27
Dissolved Oxygen (mg/L)	00300		6.7	5.3	9.4	12.3	12	9.4	4.6	2.4	4.2	2.2
Conductivity (umhos/cm)	00094		380	499	572	806	461	559	577	1060	558	577
Total Phosphorus (mg/L)	00665		0.16	0.21	0.05	<0.05	0.17	<0.05	0.11	0.11	0.16	0.10
Nitrate-N (mg/L)	00620		1.37	0.06	<0.05	0.3	0.26	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride (mg/L)	00940		13	19.8	27.9	70.1	24.8	37.3	34.6	109	45.5	41
Sulfate (mg/L)	00945		39.8	60.8	70.4	118	47.7	59.7	46.6	103	52.5	28.7
Total Hardness (mg/L)	00900		154	180	224	260	237	195	256	288	212	204
Ammonia-N (mg/L)	00610		0.32	0.33	0.14	0.1	<0.10	<0.10	0.14	0.18	0.14	0.10
Chlorophyll a (mg/m <sup>3</sup> )	32211		<1.0	6.5	<1.0	<1.0	2.5	2.3	11.9	11.6	17.8	16.7
Pheophytin (mg/m <sup>3</sup> )	32218		<1.0	1.2	<1.0	<1.0	<1.0	<1.0	2.9	2.7	23	10
TKN	00625											

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

Station name Brushy Creek at Rocky Road (upstream of NRCS 14)  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20488  
 Monitoring Type Routine  
 Latitude 29.961136 Longitude -97.747981

Parameter	Parameter Code	Date and 24 hour time										
		8/3/2010	9/1/2010	9/8/2010	10/7/2010	11/15/2010	12/2/2010	1/24/2011	4/18/2011	5/13/2011	6/2/2011	7/12/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Wet	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		1.21"	0.03"	4.51"	0.00"	0.42"	0.01"	0.00"	0.00"	1.73"	0.00"	0.00"
Flow (cfs)	00061	0	dry	Flood	0	0	0	<0.01	0	dry	dry	dry
E coli (organisms/100 mL)	31699	19		4610	10	140	10	120	5			
Suspended Solids (mg/L)	00530	13		214	31.4	36	18.7	43.7	37.5			
Turbidity (NTU)	82079	16		216	34.2	29.2	20.5	44.2	13.3			
pH	00400	7.4		7.7	7.6	7.5	7.5	7.7	8.1			
Temperature (C)	00010	27.4		25.9	17.4	14.9	10.1	7.6	21			
Dissolved Oxygen (mg/L)	00300	4.1		6.4	2.7	2.3	3.2	7.6	9.5			
Conductivity (umhos/cm)	00094	624		747	722	645	758	590	1170			
Total Phosphorus (mg/L)	00665	0.13		0.21	0.05	0.08	0.08	0.1	0.20			
Nitrate-N (mg/L)	00620	0.69		0.58	0.13	0.11	0.21	0.69	0.07			
Chloride (mg/L)	00940	54.6		98.7	64.9	42.7	58.1	52.3	162			
Sulfate (mg/L)	00945	54.6		73.5	64.9	31.6	12.5	66.9	63.3			
Total Hardness (mg/L)	00900	204		252	212	242	316	197	324			
Ammonia-N (mg/L)	00610	0.2		0.24	0.16	0.13	0.12	0.16	0.63			
Chlorophyll a (mg/m <sup>3</sup> )	32211	17.9		<1.0	6.8	7.5	11.1	13.1	95.1			
Pheophytin (mg/m <sup>3</sup> )	32218	19.2		<1.0	1	1.2	1.1	<1.0	22			
TKN	00625								2.58			

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

Parameter	Parameter Code	Date and 24 hour time				
		08/01/2011	9/13/2011	10/11/2011	11/07/11	12/06/11
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		0.05"	0.00"	1.82"	0.01"	2.09"
Flow (cfs)	00061	dry	dry	dry	dry	1
E coli (organisms/100 mL)	31699					690
Suspended Solids (mg/L)	00530					
Turbidity (NTU)	82079					
pH	00400				7.6	
Temperature (C)	00010				9	
Dissolved Oxygen (mg/L)	00300				10.1	
Conductivity (umhos/cm)	00094				1340	
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 <sup>3</sup> )	32211					
Pheophytin (mg/m <sup>3</sup> )	32218					
TKN	00625					

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

Station name 11060-001 Buda and GBRA

TCEQ Segment No. 1810  
 TCEQ Station Id No. 99923  
 Monitoring Type Wastewater effluent  
 Latitude 30.056882 Longitude -97.835838

Parameter	Parameter Code	Date and 24 hour time										
		5/13/2008 1200	8/13/2008 1216	11/04/2008 1231	2/25/2009 1152	4/26/2011 1351	5/31/2011 1311	6/14/2011 1139	7/19/2011 1238	8/16/2011 1159	9/20/2011 1338	10/18/2011 1311
Weather Conditions (Wet or Dry)												
Rainfall (Inches)* within last 7 days		0.04"	0.03"	0.02"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"
Flow (cfs)	00061	0.50	1.52	0.28	1.2	1.1	1.1	2	1.3	2	1	1.8
E coli (organisms/100 mL)	31699	<1	<1	<1	25	<1	4	<1	<1	2	<1	12
Suspended Solids (mg/L)	00530	<1.0	<1.0	3	<1.0	2.20	1.40	1.10	2.00	2.70	1	1
pH	00400	7.64	7.6	7.6	7.6	7.4	7.6	7.8	7.8	7.4	7.7	7.7
Temperature (C)	00010	24.9	29.6	25.7	21.3	27.3	28.4	28.5	30.7	30.6	29.4	25.4
Dissolved Oxygen (mg/L)	00300	8.30	7.2	8.2	9	7.7	7.9	7.6	7.2	7.4	7.7	8.9
Conductivity (umhos/cm)	00094	1514	1060	1560	1510	1540	1490	1570	1570	1530	1540	1450
Total Phosphorus (mg/L)	00665	0.45	0.26	0.33	0.26	0.49	0.41	0.44	0.24	0.42	0.39	0.46
Nitrate-N (mg/L)	00620	23.9	16.8	16.4	23.6	16.1	20.4	22.2	23.3	25.7	22.9	16.7
Chloride (mg/L)	00940	204	132	X	204	277	238	258	256	261	259	235
Sulfate (mg/L)	00945	116	152	X	132	128	123	121	119	106	113	104
Ammonia-N (mg/L)	00610	<0.20	<.20	<0.20	<0.20	0.20	0.28	<0.20	<0.20	<0.20	<0.20	<0.20
BOD (mg/L)	00310	4.1	2.5	<2.1	<2.1		2	2	31	2	1	<1
CBOD (mg/L)	00310	4.7	2.4	<2.1	<2.1		2	2	<1	1	1	<1
COD (mg/L)	00335	<20.0	<20	33.9	<20.0		24	16.8	<10.0	<10.0	13	13
TKN	00625						0.90	0.70	0.61	0.85	0.57	0.76

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

Station name Bunton Branch at Dacy Lane

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20502  
 Monitoring Type Targeted  
 Latitude 30.0094444 Longitude -97.8466667

Parameter	Parameter Code	New Site										
		5/13/2008	7/9/2008	8/19/2008	10/13/2008	2/17/2009	3/17/2009	9/16/2009	3/16/2010	5/19/2010	7/14/2010	
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet	Dry	
Rainfall (Inches)* within last 7 days		0.04"	0.44"	1.35"	0.42"	0.06"	2.47"	4.08"	0.86"	1.01"	1.64"	
Flow (cfs)	00061	<0.01	<0.01	dry	dry	<0.01	0.03	0.5	3.4	0.8	0.05	
E coli (organisms/100 mL)	31699	16	44			31	280	50	3550	820	150	
pH	00400	7.16	7.4			7.2	7.6	7.6	7.3	7.6	7.4	
Temperature (C)	00010	21	26.4			14.1	14.3	23.5	14.6	24.3	27.3	
Dissolved Oxygen (mg/L)	00300	2.04	1.1			5.6	8.5	5.9	10.5	6.5	9.2	
Conductivity (umhos/cm)	00094	897	548			526	443	644	508	587	1040	
Total Phosphorus (mg/L)	00665	0.06	0.07			<0.05	0.08	0.06	0.07	0.05	0.06	
Nitrate-N (mg/L)	00620	<0.05	0.14			0.09	0.45	0.46	0.71	0.19	0.19	
Ammonia-N (mg/L)	00610	0.11	0.16			0.16	<0.10	0.12	<0.1	0.36	0.17	

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

Parameter	Parameter Code	9/8/2010	10/20/2010	4/19/2011	7/27/2011	10/11/2011
		Weather Conditions (Wet or Dry)	1445	1056	1036	1040
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Dry	Dry
		4.51"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	45	<0.01	Site Inaccessible	dry	dry
E coli (organisms/100 mL)	31699	2910	18			
pH	00400	7.6	7.6			
Temperature (C)	00010	26.3	19.2			
Dissolved Oxygen (mg/L)	00300	4.5	5.4			
Conductivity (umhos/cm)	00094	349	977			
Total Phosphorus (mg/L)	00665	0.22	<0.05			
Nitrate-N (mg/L)	00620	1.03	<0.05			
Ammonia-N (mg/L)	00610	0.12	0.10			

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



Station name Bunton Branch at Heidenreich Ln

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20481  
 Monitoring Type Targeted  
 Latitude 29.971198 Longitude -97.818635

Parameter	Parameter Code	Date and 24 hour time									
		3/19/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	3/17/2009	9/16/2009	11/23/2009	3/16/2010	7/14/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		1.00"	0.03"	0.67"	1.06"	0.42"	2.47"	4.08"	1.43"	0.86"	1.64"
Flow (cfs)	00061	1.1	dry	dry	dry	dry	dry	dry	8	1.2	0.03
E coli (organisms/100 mL)	31699	1100							630	2360	140
pH	00400	8.03							7.9	7.7	8
Temperature (C)	00010	16							15.2	15.6	30.5
Dissolved Oxygen (mg/L)	00300	12							10.2	12.1	9.6
Conductivity (umhos/cm)	00094	812							708	738	670
Total Phosphorus (mg/L)	00665	0.06							0.05	<0.05	0.06
Nitrate-N (mg/L)	00620	0.8							0.68	1.82	0.09
Ammonia-N (mg/L)	00610	<0.10							0.14	<0.1	0.17

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

Parameter	Parameter Code	Date and 24 hour time				
		10/20/2010	4/19/2011	6/22/2011	7/27/2011	10/11/2011
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		0.00"	0.00"	1.34"	0.00"	1.82"
Flow (cfs)	00061	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699					
pH	00400					
Temperature (C)	00010					
Dissolved Oxygen (mg/L)	00300					
Conductivity (umhos/cm)	00094					
Total Phosphorus (mg/L)	00665					
Nitrate-N (mg/L)	00620					
Ammonia-N (mg/L)	00610					

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

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9/8/2010  
1405  
Wet  
4.51"

=====  
58

1940  
7.8  
26.3  
9.4  
313  
0.22  
0.2  
0.12

Station name Clear Fork Plum Creek at Old Luling Road (CR213)

TCEQ Segment No. 1810  
 TCEQ Station Id No. 14945  
 Monitoring Type Targeted  
 Latitude 29.826294 Longitude -97.667809

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/18/2010
Weather Conditions (Wet or Dry)		1553 Wet	1600 Dry	1546 Dry	1400 Wet	1726 Dry	1611 Dry	1556 Wet	1620 Wet	1543 Wet	1610 Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.35"	0.42"	0.50"	2.47"	1.63"	4.19"	1.01"
Flow (cfs)	00061	4.7	0.81	0.28	0.77	0	0.39	0.81	0.68	0.4	9.1
E coli (organisms/100 mL)	31699	2000	50	110	1500	56	250	20	720	400	280
pH	00400	7.68	7.6	7.7	7.6	7.2	7.7	7.8	7.6	7.6	7.8
Temperature (C)	00010	16.2	22.3	26.6	25.8	20.4	15.2	14.4	20.8	24.7	24.7
Dissolved Oxygen (mg/L)	00300	8.5	5.7	7.6	4.4	3	10.1	10.2	6.6	3.8	7.3
Conductivity (umhos/cm)	00094	503	680	706	649	693	697	680	651	905	421
Total Phosphorus (mg/L)	00665	0.34	<0.05	0.12	0.18	0.06	<0.05	<0.05	0.05	0.14	0.15
Nitrate-N (mg/L)	00620	5.40	0.05	0.17	0.25	0.17	1.76	1.12	0.49	1.88	2.36
Ammonia-N (mg/L)	00610	0.11	0.1	0.1	0.17	0.1	0.19	0.1	0.12	0.26	0.15

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

Parameter	Parameter Code	Date and 24 hour time					
		07/13/2010	9/8/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		1615 Dry	1013 Wet	1535 Dry	1558 Dry	1503 Dry	1559 Wet
Rainfall (Inches)* within last 7 days		1.64"	4.51"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	3.2	4.1	1.3	0.7	0	0
E coli (organisms/100 mL)	31699	270	540	35	43	110	140
pH	00400	8.1	7.8	7.9	7.8	8.4	7.6
Temperature (C)	00010	28.3	25.7	19.9	22.1	32.1	21.8
Dissolved Oxygen (mg/L)	00300	7.6	9.2	7.6	6.8	9.9	7.1
Conductivity (umhos/cm)	00094	694	572	651	694	643	843
Total Phosphorus (mg/L)	00665	0.05	0.11	<0.05	<0.05	0.11	0.24
Nitrate-N (mg/L)	00620	2.74	1.45	3.12	1.04	0.15	0.18
Ammonia-N (mg/L)	00610	<0.10	0.1	0.16	0.31	0.60	0.59
TKN	00625			0.56		0.56	1.33
Total Suspended Solids	00530						4.20

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

Station name Clear Fork Plum Creek at Farmers Road

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20490  
 Monitoring Type Targeted  
 Latitude 29.920943 Longitude -97.794519

Parameter	Parameter Code	Date and 24 hour time									
		3/19/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	02/16/2009	3/17/2009	9/15/2009	11/23/2009	3/16/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.00"	0.03"	0.67"	1.06"	0.42"	0.50"	2.47"	4.19"	1.43"	0.86"
Flow (cfs)	00061	<0.01	0	dry	dry	dry	dry	dry	dry	0	0
E coli (organisms/100 mL)	31699	<100	27							300	10
pH	00400	8.19	7.6							7.5	7.3
Temperature (C)	00010	14.7	21.1							13.7	15.4
Dissolved Oxygen (mg/L)	00300	11.4	6.6							6.8	10.8
Conductivity (umhos/cm)	00094	459	534							240	533
Total Phosphorus (mg/L)	00665	0.10	0.15							0.24	0.06
Nitrate-N (mg/L)	00620	0.15	<0.05							0.5	1.04
Ammonia-N (mg/L)	00610	<0.10	0.29							0.35	<0.1

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

Parameter	Parameter Code	Date and 24 hour time						
		5/18/2010	7/13/2010	9/8/2010	10/20/2010	4/18/2011	6/21/2011	10/11/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Wet	Dry	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		1.01"	1.64"	4.51"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	<0.01	0	0	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	3080	10	750				
pH	00400	8	8	7.6				
Temperature (C)	00010	30.4	30.9	28.3				
Dissolved Oxygen (mg/L)	00300	8.6	7.4	6.2				
Conductivity (umhos/cm)	00094	379	512	850				
Total Phosphorus (mg/L)	00665	0.2	0.13	0.12				
Nitrate-N (mg/L)	00620	0.33	<0.05	0.4				
Ammonia-N (mg/L)	00610	0.13	<0.10	0.13				

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

Station name Clear Fork Plum Creek at PR 10 (State Park)

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20493  
 Monitoring Type Targeted  
 Latitude 29.852633 Longitude -97.696935

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/14/2010
Weather Conditions (Wet or Dry)		1533 Wet	1531 Dry	1530 Dry	1423 Wet	1340 Dry	1550 Dry	1424 Wet	1556 Wet	1523 Wet	1539 Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67	1.35"	0.42"	0.50"	2.47"	1.63"	4.19"	0.20"
Flow (cfs)	00061	0.88	<0.01	<0.01	0.23	0.09	0.69	0.9	1.2	0.4	9.5
E coli (organisms/100 mL)	31699	1700	68	65	520	47	130	290	290	370	220
pH	00400	7.79	7.8	8.1	7.8	7.8	7.9	7.9	7.9	7.8	8
Temperature (C)	00010	16.3	21.7	25.9	26.2	22.7	15	14.7	21.9	25.4	25.2
Dissolved Oxygen (mg/L)	00300	9.11	7.2	9.6	6.9	8.4	10.5	11.4	8.8	5.5	7.6
Conductivity (umhos/cm)	00094	544	694	700	600	632	720	707	694	419	404
Total Phosphorus (mg/L)	00665	0.39	<0.05	<0.05	0.05	<0.05	0.05	<0.05	0.06	0.13	0.13
Nitrate-N (mg/L)	00620	5.44	0.12	2.1	1.16	1.53	3.33	2.76	1.71	1.88	2
Ammonia-N (mg/L)	00610	0.10	<0.10	0.11	0.12	<0.10	0.17	<0.10	<0.10	0.14	0.16

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

Parameter	Parameter Code	Date and 24 hour time					
		07/13/2010	9/8/2010	10/19/2010	04/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		1557 Dry	1040 Wet	1513 Dry	1535 Dry	1427 Dry	1510 Wet
Rainfall (Inches)* within last 7 days		1.64"	4.51"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	2.8	2.6	0.9	1.2	0.01	1.9
E coli (organisms/100 mL)	31699	50	160	19	33	34	240
pH	00400	8.1	7.9	8	7.9	8.1	7.8
Temperature (C)	00010	27.4	25.4	20.1	21.7	27.2	22.1
Dissolved Oxygen (mg/L)	00300	7.9	10.5	9.8	9.1	9.2	7.1
Conductivity (umhos/cm)	00094	730	784	702	710	603	591
Total Phosphorus (mg/L)	00665	0.05	<0.05	<0.05	<0.05	0.06	0.06
Nitrate-N (mg/L)	00620	4.24	3.62	5.3	3.42	0.38	0.96
Ammonia-N (mg/L)	00610	0.12	0.11	<0.10	0.30	0.18	0.16
TKN	00625		0.49	0.24	0.49	0.24	0.56
Suspended Solids	00530		13.6	4.2	13.6	4.2	12.0

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

Station name Clear Fork Plum Creek at Salt Flat Road  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12556  
 Monitoring Type Routine  
 Latitude 29.760135 Longitude -97.602083

Parameter	Date and 24 hour time										
	Parameter Code	2/18/2008	3/12/2008	4/9/2008	5/7/2008	6/11/2008	7/3/2008	8/6/2008	8/19/2008	9/9/2008	10/7/2008
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		1.12"	1.89"	0.11"	0.28"	0.19"	0.44"	0.00"	1.35"	0.15"	0.42"
Flow (cfs)	00061	4.3	13	3.1	2.8	0.11	<0.01	0	0	0	Dry
E coli (organisms/100 mL)	31699	220	12030	35	170	5	8	3	41	4	
Suspended Solids (mg/L)	00530	2.3	94.7	5.7	21.7	11.3	22.7	10		5	
Turbidity (NTU)	82079	2.98	115	4.26	13.6	6.35	10.2	6.96		3.74	
pH	00400	7.97	7.63	7.68	7.67	7.68	7.1	7.5	7	7.5	
Temperature (C)	00010	14.9	14	22.6	21.9	26.3	24	25.9		25.6	
Dissolved Oxygen (mg/L)	00300	13.1	9.3	5.74	5.28	9.28	1.2	6.3	4	7.4	
Conductivity (umhos/cm)	00094	925	517	975	972	1300	4850	6180	5840	1280	
Total Phosphorus (mg/L)	00665	<0.05	0.54	0.05	0.08	0.19	0.1	0.06	0.07	0.11	
Nitrate-N (mg/L)	00620	2.08	1.39	0.98	0.62	0.15	1.06	2.32	0.11	<0.05	
Chloride (mg/L)	00940	93.2	23.8	94.4	105	218	1394	1991		242	
Sulfate (mg/L)	00945	88	35.1	76.4	82.3	54.1	43.2	47.5		44.5	
Total Hardness (mg/L)	00900	335	181	360	357	415	1370	1596		324	
Ammonia-N (mg/L)	00610	<0.10	0.16	0.11	0.15	0.12	<0.10	0.1	0.26	0.17	
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.0	3.5	4.3	2.2	3.9	11.5	2.5		4.2	
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	1.8	2.3	2.6	1.5	<1.0	2.4		1.7	

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

Parameter	Date and 24 hour time										
	Parameter Code	11/12/2008	12/4/2008	01/07/2009	2/4/2009	3/10/2009	3/16/2009	4/28/2009	5/5/2009	6/3/2009	7/6/2009
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Dry	Wet	Wet	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.02"	0.06"	0.00"	0.00"	0.00"	2.47"	1.63"	0.03"	0.08"	0.37"
Flow (cfs)	00061	Dry	0.15	0.19	<0.01	1.1	1.4	3.6	0.63	0.02	dry
E coli (organisms/100 mL)	31699		3150	150	120	250	120	6130	51	17	
Suspended Solids (mg/L)	00530		17	8.3	2	5.3			11.3	17.3	
Turbidity (NTU)	82079		5.84	5.28	3.66	3.61			6.18	10.5	
pH	00400		7.4	7.6	7.9	7.8	7.7	7.6	7.5	7.5	
Temperature (C)	00010		10.6	10.2	9.4	22.1	14.6	20.9	23.7	25.6	
Dissolved Oxygen (mg/L)	00300		3.1	11.2	11.8	8.7	3.8	6.8	5.4	6.4	
Conductivity (umhos/cm)	00094		1250	877	860	890	774	543	926	2530	
Total Phosphorus (mg/L)	00665		0.31	<0.05	<0.05	0.05	<0.05	0.12	0.16	0.1	
Nitrate-N (mg/L)	00620		0.24	<0.05	0.12	0.15	<0.05	0.66	0.11	<0.05	
Chloride (mg/L)	00940		173	90	80.7	98.5			124	604	
Sulfate (mg/L)	00945		79.2	94.1	88.4	75.3			60	45.3	
Total Hardness (mg/L)	00900		458	328	303	285			318	705	
Ammonia-N (mg/L)	00610		0.16	0.42	0.22	<0.10	<0.10	0.26	0.45	0.16	
Chlorophyll a (mg/m <sup>3</sup> )	32211		2.5	<1.0	<1.0	4			1.4	5.3	
Pheophytin (mg/m <sup>3</sup> )	32218		<1.0	<1.0	<1.0	<1.0			<1.0	2.5	

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

Parameter	Date and 24 hour time										
	Parameter Code	8/3/2009	9/3/2009	9/15/2009	10/5/2009	11/4/2009	12/1/2009	1/12/2010	2/3/2010	3/10/2010	4/14/2010
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Wet	Dry	Wet	Dry	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		0.17"	0.00"	4.19"	1.01"	0.06"	1.35"	0.02"	2.08"	0.12"	0.00"
Flow (cfs)	00061	dry	dry	0.4	111	1.7	7	2.3	9	10	6.2
E coli (organisms/100 mL)	31699			390	1040	260	79	32	230	270	210
Suspended Solids (mg/L)	00530			15.7	196	18	5.3	2.7	5.3	3.7	3.3
Turbidity (NTU)	82079			18.7	195	49.9	5.7	4.9	7	3	1.7
pH	00400			7.5	7.8	7.7	7.5	7.8	7.8	7.8	7.9
Temperature (C)	00010			23.5	23.9	16.7	12.5	6.5	10.8	18.4	19.6
Dissolved Oxygen (mg/L)	00300			5.1	8.2	9.3	10.7	11.6	12.2	10.3	12.2
Conductivity (umhos/cm)	00094			651	257	705	769	1100	791	846	1070
Total Phosphorus (mg/L)	00665			0.2	0.42	0.19	0.12	<0.05	0.06	<0.05	<0.05
Nitrate-N (mg/L)	00620			<0.05	0.05	0.97	0.693	3.02	1.72	2.05	1.46
Chloride (mg/L)	00940			94.6	10.7	91.1	77.5	119	68.4	79.9	106
Sulfate (mg/L)	00945			63.7	20.3	58.6	73.1	124	74.3	70.9	99
Total Hardness (mg/L)	00900			206	136	245	303	418	302	308	380
Ammonia-N (mg/L)	00610			0.35	0.12	0.44	0.12	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m <sup>3</sup> )	32211			<1.0	<1.0	<1.0	<1.0	1.3	2.9	1.5	1.6
Pheophytin (mg/m <sup>3</sup> )	32218			<1.0	<1.0	<1.0	<1.0	1.3	<1.0		<1.0

TKN 00625  
 \*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

Station name Clear Fork Plum Creek at Salt Flat Road  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12556  
 Monitoring Type Routine  
 Latitude 29.760135 Longitude -97.602083

Parameter	Date and 24 hour time										
	Parameter Code	5/4/2010	6/16/2010	7/6/2010	8/3/2010	9/1/2010	9/7/2010	10/7/2010	11/15/2010	12/2/2010	1/24/2011
Weather Conditions (Wet or Dry)		Dry	Wet	Wet	Wet	Dry	Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	2.27"	2.44"	1.21"	0.03"	3.73"	0.00"	0.42"	0.01"	0.00"
Flow (cfs)	00061	3.1	9.5	1.8	1.1	0.4	3.9	2.6	1.7	1.5	2.7
E coli (organisms/100 mL)	31699	74	310	440	50	36	2480	70	120	66	550
Suspended Solids (mg/L)	00530	7.3	7	8	3.3	3		4.9	2.5	25.3	4
Turbidity (NTU)	82079	5.2	5.1	7.1	3.1	2.3		3	1.6	8.2	3.8
pH	00400	7.8	7.8	7.8	7.7	7.7	7.6	8	7.8	7.9	7.7
Temperature (C)	00010	20	28.7	28.2	26.9	28.4	24.9	17.5	14.7	11.1	8.5
Dissolved Oxygen (mg/L)	00300	8.5	7.6	7.5	10	7.2	9.6	9.4	7.4	9.9	10
Conductivity (umhos/cm)	00094	1180	530	858	946	1280	1000	890	736	874	786
Total Phosphorus (mg/L)	00665	<0.05	0.9	0.08	0.05	0.07	0.12	<0.05	<0.05	0.07	<0.05
Nitrate-N (mg/L)	00620	1.04	1.02	0.86	0.36	<0.05	0.1	0.17	2.37	0.46	1.84
Chloride (mg/L)	00940	125	38.4	84.2	128	288		92.4	38.4	74	71.5
Sulfate (mg/L)	00945	97.5	34	60.7	78.8	50.9		92	73.1	74.6	78.2
Total Hardness (mg/L)	00900	420	222	303	328	390		306	274	332	287
Ammonia-N (mg/L)	00610	0.13	0.14	0.14	0.16	0.11	0.13	0.11	0.12	0.25	0.14
Chlorophyll a (mg/m <sup>3</sup> )	32211	3.9	1.2	<1.0	<1.0	<1.0		1.1	<1.0	7.6	1.2
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	1.9	<1.0
TKN	00625										

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

Parameter	Date and 24 hour time									
	Parameter Code	4/18/2011	5/13/2011	6/2/2011	7/12/2011	8/1/2011	9/13/2011	10/10/2011	11/07/11	12/06/11
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	1.73"	0.00"	0.00"	0.05"	0.00"	1.82"	0.01"	2.09"
Flow (cfs)	00061	0.08	0.6	<0.01	0	dry	dry	dry	dry	5
E coli (organisms/100 mL)	31699	140	>2420	11	7					1300
Suspended Solids (mg/L)	00530	6	6.60	5	48					
Turbidity (NTU)	82079	2.5	3.8	2.6	17.7					
pH	00400	7.7	7.6	7.6	7.6					7.7
Temperature (C)	00010	20.4	23.1	25.6	27.6					9.7
Dissolved Oxygen (mg/L)	00300	6.3	4.5	4.9	4.6					10
Conductivity (umhos/cm)	00094	1020	937	2230	6540					920
Total Phosphorus (mg/L)	00665	0.07	0.18	0.12	0.07					
Nitrate-N (mg/L)	00620	0.23	0.27	0.24	0.27					
Chloride (mg/L)	00940	124	119	546	<1.0					
Sulfate (mg/L)	00945	75.2	68.5	44.9	29.0					
Total Hardness (mg/L)	00900	332	313	696	1732					
Ammonia-N (mg/L)	00610	0.29	0.20	0.38	<0.10					
Chlorophyll a (mg/m <sup>3</sup> )	32211	1	2.4	1	157					
Pheophytin (mg/m <sup>3</sup> )	32218	1.7	<1.0	<1.0	4.9					
TKN	00625	0.54	0.95	0.88	2.96					

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

Station name Clear Fork Springs  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20507  
 Monitoring Type Spring  
 Latitude 29.874722 Longitude -97.737500

Parameter	Parameter Code	Date and 24 hour time						
		3/19/2008	7/9/2008	10/13/2008	2/16/2009	4/19/2011	6/21/2011	10/11/2011
Weather Conditions (Wet or Dry)		1657 Wet	955 Dry	1258 Dry	1506 Dry	1245 Dry	1412 Dry	1102 Wet
Rainfall (Inches)* within last 7 days		1.00"	0.44"	0.42"	0.50"	0.00"	0.00"	1.82"
Flow (cfs)	00061	4.1	<0.01	<0.01	0.51	0.9	0.4	0.6
E coli (organisms/100 mL)	31699	860	120	2420	610	91	120	460
Suspended Solids (mg/L)	00530	21.3	7	9.7	8.3	7.80	7.40	13.3
pH	00400	7.69	7.6	7.6	7.7	7.7	8.1	7.6
Temperature (C)	00010	16.3	24.8	22.6	15.4	22.1	26.8	21.4
Dissolved Oxygen (mg/L)	00300	8.34	6.4	7.3	10.1	7.6	5.7	7.1
Conductivity (umhos/cm)	00094	776	806	788	805	795	767	853
Total Phosphorus (mg/L)	00665	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	0.03
Nitrate-N (mg/L)	00620	5.6	5.22	6.6	6.4	6.48	5.48	5.36
Chloride (mg/L)	00940	27.4	29.2	26.3	24.1	26.2	25.9	26.6
Sulfate (mg/L)	00945	78.4	96.5	85.9	86.1	92	84.4	93.2
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.01	0.13	0.29	0.22	0.13
TKN	00625					0.49	0.36	0.36

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











Station name Copperas Creek at Tenney Creek Road (dwnstrm Cal-Maine)

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20498  
 Monitoring Type Targeted  
 Latitude 29.752690 Longitude -97.485810

Parameter	Parameter Code	Date and 24 hour time									
		03/12/08	05/12/08	7/7/2008	8/18/2008	10/13/2008	3/16/2009	4/28/2009	9/15/2009	10/5/2009	3/16/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.89"	0.03"	0.67"	1.06"	0.42"	2.47"	1.63"	4.19"	1.01"	0.86"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	dry	1.3	0.03
E coli (organisms/100 mL)	31699									10	3450
pH	00400									7.5	7.2
Temperature (C)	00010									25	14.5
Dissolved Oxygen (mg/L)	00300									5.8	6.4
Conductivity (umhos/cm)	00094									249	1810
Total Phosphorus (mg/L)	00665									0.72	0.14
Nitrate-N (mg/L)	00620									0.05	1.2
Ammonia-N (mg/L)	00610									0.37	0.206

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

Parameter	Parameter Code	Date and 24 hour time					
		7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		1.64"	3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	<0.01	0.04	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	180	17000				
pH	00400	7.6	7.4				
Temperature (C)	00010	26.9	24.5				
Dissolved Oxygen (mg/L)	00300	6.7	8.7				
Conductivity (umhos/cm)	00094	984	407				
Total Phosphorus (mg/L)	00665	0.12	0.93				
Nitrate-N (mg/L)	00620	0.22	0.62				
Ammonia-N (mg/L)	00610	0.46	0.32				

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

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5/18/2010  
1103  
Wet  
1.01"

=====  
0.3

290  
7.5  
25  
6.4  
685  
0.36  
0.08  
0.2

Station name Cowpen Creek at Schuelke Rd

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20489  
 Monitoring Type Targeted  
 Latitude 29.980675 Longitude -97.711878

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	3/17/2009	9/15/2009	10/5/2009	11/23/2009	3/16/2010
Weather Conditions (Wet or Dry)		1431	1400	1420	1312	1448	1330	1428	1524	1056	1441
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Wet
		1.80"	0.03"	0.67"	1.06"	0.42"	2.47"	4.19"	1.01"	1.43"	0.86"
Flow (cfs)	00061	<0.01	dry	dry	dry	dry	dry	dry	dry	9.3	0
E coli (organisms/100 mL)	31699	46100								270	160
pH	00400	7.35								7.6	7
Temperature (C)	00010	20.3								15.3	16.2
Dissolved Oxygen (mg/L)	00300	3.27								10	10
Conductivity (umhos/cm)	00094	415								262	314
Total Phosphorus (mg/L)	00665	0.39								0.28	0.06
Nitrate-N (mg/L)	00620	1.02								0.44	<0.05
Ammonia-N (mg/L)	00610	<0.01								0.5	<0.1

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

Parameter	Parameter Code	Date and 24 hour time							
		5/18/2010	7/13/2010	9/8/2010	10/20/2010	4/18/2011	6/21/2011	10/11/2011	
Weather Conditions (Wet or Dry)		1425	1441	1242	1314	1411	1341	1232	
Rainfall (Inches)* within last 7 days		Wet	Dry	Wet	Dry	Dry	Dry	Dry	
		1.01"	1.64"	4.51"	0.00"	0.00"	0.00"	1.82"	
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	
E coli (organisms/100 mL)	31699								
pH	00400								
Temperature (C)	00010								
Dissolved Oxygen (mg/L)	00300								
Conductivity (umhos/cm)	00094								
Total Phosphorus (mg/L)	00665								
Nitrate-N (mg/L)	00620								
Ammonia-N (mg/L)	00610								

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

Station name Dry Creek at FM 672  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20491  
 Monitoring Type Routine  
 Latitude 29.904499 Longitude -97.639690

Parameter	Date and 24 hour time											
	Parameter Code	2/18/2008	3/12/2008	4/9/2008	5/7/2008	6/26/2008	6/11/2008	7/3/2008	8/6/2008	8/18/2008	9/9/2008	10/7/2008
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		1.12"	0.03"	0.11"	0.28"	0.60"	0.19"	0.44"	0.00"	1.06"	0.15"	0.42"
Flow (cfs)	00061	dry	11	dry	dry	dry	dry	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699		4160									
Suspended Solids (mg/L)	00530		16.7									
Turbidity (NTU)	82079		22									
pH	00400		7.41									
Temperature (C)	00010		15.9									
Dissolved Oxygen (mg/L)	00300		8.88									
Conductivity (umhos/cm)	00094		281									
Total Phosphorus (mg/L)	00665		0.34									
Nitrate-N (mg/L)	00620		0.7									
Chloride (mg/L)	00940		6.04									
Sulfate (mg/L)	00945		9.2									
Total Hardness (mg/L)	00900		94									
Ammonia-N (mg/L)	00610		<0.10									
Chlorophyll a (mg/m <sup>3</sup> )	32211		3									
Pheophytin (mg/m <sup>3</sup> )	32218		<1.0									

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

Parameter	Date and 24 hour time											
	Parameter Code	11/12/2008	12/04/2008	1/7/2009	3/10/2009	3/16/2009	5/5/2009	6/3/2009	7/6/2009	8/3/2009	9/3/2009	10/5/2009
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Wet	Dry	Dry	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.02"	0.06"	0.31"	0.00"	2.47"	0.03"	0.08"	0.37"	0.17"	0.00"	1.01"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	1.1
E coli (organisms/100 mL)	31699											1150
Suspended Solids (mg/L)	00530											15.5
Turbidity (NTU)	82079											24
pH	00400											7.6
Temperature (C)	00010											23.8
Dissolved Oxygen (mg/L)	00300											6.7
Conductivity (umhos/cm)	00094											222
Total Phosphorus (mg/L)	00665											0.25
Nitrate-N (mg/L)	00620											3.78
Chloride (mg/L)	00940											7.04
Sulfate (mg/L)	00945											13.1
Total Hardness (mg/L)	00900											85.2
Ammonia-N (mg/L)	00610											0.28
Chlorophyll a (mg/m <sup>3</sup> )	32211											1.2
Pheophytin (mg/m <sup>3</sup> )	32218											<1.0

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

Parameter	Date and 24 hour time											
	Parameter Code	11/4/2009	12/1/2009	1/12/2010	3/10/2010	4/14/2010	5/4/2010	6/16/2010	7/6/2010	8/3/2010	9/1/2010	10/7/2010
Weather Conditions (Wet or Dry)		Dry	Wet	Wet	Wet	Dry	Dry	Dry	Dry	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		0.06"	1.35"	0.02"	0.12"	0.00"	0.00"	0.00"	2.44"	1.21"	0.03"	3.73"
Flow (cfs)	00061	0	0.03	0	0.2	0	dry	0.2	0	dry	dry	dry
E coli (organisms/100 mL)	31699	610	700	620	1990	48		330	140			
Suspended Solids (mg/L)	00530	15	241	11	25.7	30.3		33.3	10			
Turbidity (NTU)	82079	6	115	8.1	14.7	11.6		25.6	24.6			
pH	00400	7.2	7.9	7.8	7.7	7.3		7.9	7.6			
Temperature (C)	00010	16	11	4.6	18.8	18.6		30.3	20.6			
Dissolved Oxygen (mg/L)	00300	5.7	11.1	12.1	8.8	5.2		6.3	5.6			
Conductivity (umhos/cm)	00094	380	217	374	530	696		276	327			
Total Phosphorus (mg/L)	00665	0.47	0.37	0.41	0.11	0.4		0.35	0.23			
Nitrate-N (mg/L)	00620	0.07	0.127	0.1	<0.05	<0.05		0.1	0.8			
Chloride (mg/L)	00940	6.17	4.38	10.7	29.1	27.2		6.15	6.19			
Sulfate (mg/L)	00945	12.8	12.5	19	54.2	36.3		13.4	14.8			
Total Hardness (mg/L)	00900	115	117	192	218	270		118	136			
Ammonia-N (mg/L)	00610	0.12	0.19	0.66	<0.10	0.39		0.17	0.18			



Chlorophyll a (mg/m <sup>3</sup> )	32211	1.3	10.9	31.6	<1.0	44.9	10.5	6.5
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	14.4	<1.0	9.8	16.7	6.8

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

Parameter	Parameter Code	Date and 24 hour time								
		11/15/2010	12/2/2010	1/24/2011	4/18/2011	5/13/2011	7/12/2011	8/1/2011	9/13/2011	
Rainfall (Inches)* within last 7 days		0.42"	0.01"	0.00"	0.00"	1.73"	0.00"	0.05"	0.00"	
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	dry	
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 <sup>3</sup> )	32211									
Pheophytin (mg/m <sup>3</sup> )	32218									

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

Station name Dry Creek at FM 713  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20495  
 Monitoring Type Targeted  
 Latitude 29.857500 Longitude -97.580278

Parameter	Parameter Code	Date and 24 hour time									
		3/12/2008	5/12/2008	7/7/2008	10/13/2008	3/16/2009	4/28/2009	9/15/2009	10/5/2009	3/16/2010	5/18/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Dry	Wet	Wet	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.89"	0.03"	0.67"	0.42"	2.47"	1.63"	4.19"	1.01"	0.86"	1.01"
Flow (cfs)	00061	0.07	dry	dry	dry	dry	dry	dry	3.2	0.2	1
E coli (organisms/100 mL)	31699	1610							720	420	530
pH	00400	7.84							7.7	7.2	7.4
Temperature (C)	00010	17.4							23.5	15.4	23.7
Dissolved Oxygen (mg/L)	00300	10.2							6.7	9.4	5.1
Conductivity (umhos/cm)	00094	1694							168	2170	419
Total Phosphorus (mg/L)	00665	0.15							0.27	0.21	0.26
Nitrate-N (mg/L)	00620	0.10							1.24	0.4	0.13
Ammonia-N (mg/L)	00610	0.11							0.32	<0.1	0.26

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

Parameter	Parameter Code	Date and 24 hour time					
		7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		1.64"	3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	0	0	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	10	440				
pH	00400	8.7	7.7				
Temperature (C)	00010	31.2	25.3				
Dissolved Oxygen (mg/L)	00300	13.6	10.6				
Conductivity (umhos/cm)	00094	1460	525				
Total Phosphorus (mg/L)	00665	0.17	0.27				
Nitrate-N (mg/L)	00620	0.14	2.79				
Ammonia-N (mg/L)	00610	0.14	0.17				

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

Station name Elm Creek at CR 233  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12558  
 Monitoring Type Routine  
 Latitude 29.941452 Longitude -97.699623

Parameter	Parameter Code	Date and 24 hour time									
		2/18/2008	3/12/2008	4/9/2008	5/7/2008	6/11/2008	6/26/2008	7/3/2008	8/6/2008	8/18/2008	9/9/2008
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Dry	Dry	Dry	Dry	Dry	Wet	Dry
Rainfall (Inches)* within last 7 days		1.12"	1.89"	0.11"	0.28"	0.19"	0.60"	0.44"	0.00"	1.06"	0.15"
Flow (cfs)	00061	0	0.9	0	0	dry	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	40	17330	20	300						
Suspended Solids (mg/L)	00530	17.7	44.7	6.7	12.3						
Turbidity (NTU)	82079	16.7	44.3	13.6	13						
pH	00400	7.57	7.55	7.46	7.2						
Temperature (C)	00010	14.6	14.8	21.4	22.8						
Dissolved Oxygen (mg/L)	00300	6.49	6.06	3.48	0.3						
Conductivity (umhos/cm)	00094	643	387	456	535						
Total Phosphorus (mg/L)	00665	0.12	0.45	0.18	0.19						
Nitrate-N (mg/L)	00620	0.1	1.16	<0.05	0.18						
Chloride (mg/L)	00940	19.7	10.9	12.1	13.4						
Sulfate (mg/L)	00945	13.2	34.5	16.9	4.3						
Total Hardness (mg/L)	00900	280	132	216	237						
Ammonia-N (mg/L)	00610	0.1	0.24	0.2	1.24						
Chlorophyll a (mg/m <sup>3</sup> )	32211	7	3.7	3.6	2.2						
Pheophytin (mg/m <sup>3</sup> )	32218	3.2	<1.0	1.2	1						
TKN	00625										

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

Parameter	Parameter Code	Date and 24 hour time									
		11/12/2008	12/04/2008	1/7/2009	02/04/2009	3/10/2009	3/16/2009	5/5/2009	6/3/2009	7/6/2009	8/3/2009
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet	Dry
Rainfall (Inches)* within last 7 days		0.02"	0.06"	0.00"	0.00"	0.00"	2.47"	0.03"	0.08"	0.37"	0.17"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
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 <sup>3</sup> )	32211										
Pheophytin (mg/m <sup>3</sup> )	32218										
TKN	00625										

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

Parameter	Parameter Code	Date and 24 hour time									
		9/15/2009	10/5/2009	11/4/2009	12/1/2009	1/12/2010	2/3/2010	3/10/2010	4/14/2010	5/4/2010	6/16/2010
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Wet	Dry	Wet	Wet	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		4.19"	1.01"	0.06"	1.35"	0.02"	2.08"	0.12"	0.00"	0.00"	2.27"
Flow (cfs)	00061	dry	2	0	0.6	0.06	10.8	0.4	0	0	0.5
E coli (organisms/100 mL)	31699		790	42	29	12	2310	130	10	10	61
Suspended Solids (mg/L)	00530		140	7.7	8.7	5	67	7.7	11	13	13.3
Turbidity (NTU)	82079		203	25.8	16.8	7.2	60.4	8	8.8	18.4	9.5
pH	00400		7.8	7.8	7.8	7.9	7.9	7.9	7.9	8	8.1
Temperature (C)	00010		23.3	15.9	11.5	6.7	9.5	19.1	20.1	19.2	31.9
Dissolved Oxygen (mg/L)	00300		6.4	6.8	10.5	12.2	11.6	9.8	9	6.3	8.4
Conductivity (umhos/cm)	00094		230	316	322	392	340	361	483	470	354
Total Phosphorus (mg/L)	00665		0.13	0.19	0.2	0.09	0.15	0.06	0.06	0.09	0.14
Nitrate-N (mg/L)	00620		1.39	0.35	0.159	0.09	0.22	<0.05	<0.05	<0.05	<0.05
Chloride (mg/L)	00940		7.87	3.6	6.03	9.91	8.33	9.18	10.1	9.21	7.82
Sulfate (mg/L)	00945		14.6	21.2	33	39.4	33.6	31.2	38	21.7	26.8
Total Hardness (mg/L)	00900		104	141	149	182	159	162	216	195	157
Ammonia-N (mg/L)	00610		1.04	0.15	0.14	<0.10	<0.10	0.1	0.14	0.19	0.14
Chlorophyll a (mg/m <sup>3</sup> )	32211		1.7		<1.0	<1.0	1.3	4.4	6.3	13	4.9
Pheophytin (mg/m <sup>3</sup> )	32218		<1.0		<1.0	<1.0	<1.0	<1.0	1.4	2.4	8.6
TKN	00625										

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

Station name Elm Creek at CR 233  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12558  
 Monitoring Type Routine  
 Latitude 29.941452 Longitude -97.699623

Parameter	Parameter Code	Date and 24 hour time									
		8/3/2010	9/1/2010	9/8/2010	10/7/2010	11/15/2010	12/2/2010	1/24/2011	4/18/2011	5/13/2011	06/02/2011
Rainfall (Inches)* within last 7 days		1.21"	0.03"	4.51"	0.00"	0.42"	0.01"	0.00"	0.00"	1.73"	0.00"
Flow (cfs)	00061	0	0	0	0	dry	dry	0	0	dry	dry
E coli (organisms/100 mL)	31699	190	12	14000	10			11	4		
Suspended Solids (mg/L)	00530	77.7	44.5		7.4			5	47		
Turbidity (NTU)	82079	49.8	81.6		10.3			8.6	25.5		
pH	00400	7.9	7.7	7.9	7.6			7.6	7.8		
Temperature (C)	00010	27.6	29.9	25.7	16.5			7.4	23.4		
Dissolved Oxygen (mg/L)	00300	6.5	5.4	9.8	6.7			6.1	6.7		
Conductivity (umhos/cm)	00094	413	411	177	430			473	679		
Total Phosphorus (mg/L)	00665	0.19	0.13	0.2	0.1			0.13	0.14		
Nitrate-N (mg/L)	00620	<0.05	<0.05	0.18	0.09			0.10	0.14		
Chloride (mg/L)	00940	10.9	14.1		6.51			13.9	20.4		
Sulfate (mg/L)	00945	17.6	24.4		33.4			33.9	67.8		
Total Hardness (mg/L)	00900	206	183		197			220	322		
Ammonia-N (mg/L)	00610	0.19	0.57	0.11	0.27			0.13	0.82		
Chlorophyll a (mg/m <sup>3</sup> )	32211	14.6	10		1.7			14.5	23.3		
Pheophytin (mg/m <sup>3</sup> )	32218	13.6	6.3		<1.0			<1.0	11.3		
TKN	00625								1.78		

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

Parameter	Parameter Code	Date and 24 hour time				
		8/1/2011	9/13/2011	10/11/2011	11/07/11	12/06/11
Rainfall (Inches)* within last 7 days		0.05"	0.00"	1.82"	0.01"	2.09"
Flow (cfs)	00061	dry	dry	dry	dry	0
E coli (organisms/100 mL)	31699					1550
Suspended Solids (mg/L)	00530					
Turbidity (NTU)	82079					
pH	00400					7.8
Temperature (C)	00010					9.2
Dissolved Oxygen (mg/L)	00300					8.8
Conductivity (umhos/cm)	00094					162
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 <sup>3</sup> )	32211					
Pheophytin (mg/m <sup>3</sup> )	32218					
TKN	00625					

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

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10/7/2008  
1325  
Dry  
0.42"  
=====  
dry

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9/3/2009  
1246  
Dry  
0.00"  
=====  
dry

---

7/6/2010  
1451  
Wet  
2.44"  
=====  
0  
77  
20  
20  
7.8  
30.1  
5.7  
204  
0.12  
<0.05  
6.69  
14.6  
186  
<0.10  
8.9  
8.8

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7/12/2011  
1238  
Dry  
0.00"  
=====  
dry

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=====

Station name Elm Creek at SH 21  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20483  
 Monitoring Type Targeted  
 Latitude 29.997951 Longitude -97.743359

Parameter	Date and 24 hour time										
	Parameter Code	3/13/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	3/17/2009	9/15/2009	10/5/2009	3/16/2010	5/18/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.06"	0.42"	2.47"	4.19"	1.01"	0.86"	1.01"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	0	0.1	dry
E coli (organisms/100 mL)	31699								320	160	
pH	00400								7.6	7.2	
Temperature (C)	00010								26.2	16.3	
Dissolved Oxygen (mg/L)	00300								7.4	9	
Conductivity (umhos/cm)	00094								469	414	
Total Phosphorus (mg/L)	00665								0.19	0.09	
Nitrate-N (mg/L)	00620								1.4	<0.05	
Ammonia-N (mg/L)	00610								0.34	<0.1	

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

Parameter	Date and 24 hour time							
	Parameter Code	7/13/2010	9/8/2010	10/20/2010	4/18/2011	6/21/2011	7/27/2011	10/11/2011
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		1.64"	4.51"	0.00"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699							
pH	00400							
Temperature (C)	00010							
Dissolved Oxygen (mg/L)	00300							
Conductivity (umhos/cm)	00094							
Total Phosphorus (mg/L)	00665							
Nitrate-N (mg/L)	00620							
Ammonia-N (mg/L)	00610							

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

Station name Hines Branch @ Tenney Creek Rd

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20510  
 Monitoring Type Targeted  
 Latitude 29.76672 Longitude -97.55702

Parameter	Parameter Code	Date and 24 hour time									
		3/12/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	3/16/2009	4/28/2009	9/15/2009	10/5/2009	3/16/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.89"	0.03"	0.67"	1.06"	0.42"	2.47"	1.63"	4.19"	1.01"	0.86"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	dry	0	0
E coli (organisms/100 mL)	31699									750	60
pH	00400									7.6	7.4
Temperature (C)	00010									23.1	15.2
Dissolved Oxygen (mg/L)	00300									4.4	7.6
Conductivity (umhos/cm)	00094									147	485
Total Phosphorus (mg/L)	00665									0.17	0.06
Nitrate-N (mg/L)	00620									0.78	1.55
Ammonia-N (mg/L)	00610									0.13	0.226

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

Parameter	Parameter Code	Date and 24 hour time						
		5/18/2010	7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		1.01"	1.64"	3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	<0.01	0	0	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	750	70	4000				
pH	00400	7.3	7.1	7.7				
Temperature (C)	00010	22	26.4	24.8				
Dissolved Oxygen (mg/L)	00300	3.6	4.2	5.9				
Conductivity (umhos/cm)	00094	218	102	187				
Total Phosphorus (mg/L)	00665	0.11	0.16	0.37				
Nitrate-N (mg/L)	00620	0.78	<0.05	<0.05				
Ammonia-N (mg/L)	00610	0.4	0.27	0.13				

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





Station name 11041-002 City of Kyle and Aquasource

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20486  
 Monitoring Type Wastewater effluent  
 Latitude 29.969940 Longitude -97.831670

Parameter	Parameter Code	Date and 24 hour time									
		5/27/2008	8/13/2008	11/04/2008	2/25/2009	4/26/2011	5/31/2011	6/14/2011	7/19/2011	8/16/2011	9/20/2011
Rainfall (Inches)* within last 7 days		1423 0.02"	1310 0.03"	1106 0.02"	1249 0.00"	1211 0.00"	1222 0.00"	1109 0.00"	1208 0.00"	1129 0.00"	1309 0.00"
Flow (cfs)	00061	3.33	3	2.24	2.9	2.2	2.6	2.6	0.5	1.4	3.6
E coli (organisms/100 mL)	31699	<1	27	12	<1	2170	4840	1970	180	2850	>4840
Suspended Solids (mg/L)	00530	4	4.3	6.3	8.7	22	5.10	5	23.6	19.6	11.3
pH	00400	7.5	7.4	7.6	7.6	7.7	7.9	7.4	7.7	7.4	7.2
Temperature (C)	00010	27.5	29.9	26.9	23	26.8	28	28.6	30.1	30.8	30.3
Dissolved Oxygen (mg/L)	00300	8.02	7.3	8.1	9.2	7.6	7.9	7.5	7.4	7.2	7.5
Conductivity (umhos/cm)	00094	1282	1170	1210	1160	1210	1150	1150	1230	1150	1220
Total Phosphorus (mg/L)	00665	4.07	5.7	4.63	4.11	3.82	3.69	4.01	4.12	5.22	3.50
Nitrate-N (mg/L)	00620	15.1	23.8	12.4	15.2	29.6	25.6	23.7	26.5	33.8	22.8
Chloride (mg/L)	00940	167	149	X	142	150	142	142	158	133	157
Sulfate (mg/L)	00945	94.2	97	X	83.3	107	89.2	79.5	91	76	77.8
Ammonia-N (mg/L)	00610	4.21	0.21	0.28	0.5	<0.20	<0.20	<0.20	<0.20	0.28	0.26
BOD (mg/L)	00310	4.5	<2.1	2.4	<2.1		2	2	1	4	2
CBOD (mg/L)	00310	5.2	<2.1	<2.1	<2.1		2	1	2	3	<1
COD (mg/L)	00335	<20.0	<20	48.9	50.4		22.1	20.8	21.4	34	15.1
TKN	00625						1.23	1.21	1.15	3.04	1.33

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

Parameter	Parameter Code	10/18/2011
Rainfall (Inches)* within last 7 days	1442	0.00"
Flow (cfs)	00061	2
E coli (organisms/100 mL)	31699	10
Suspended Solids (mg/L)	00530	16
pH	00400	7.2
Temperature (C)	00010	27.1
Dissolved Oxygen (mg/L)	00300	8.4
Conductivity (umhos/cm)	00094	1160
Total Phosphorus (mg/L)	00665	4.42
Nitrate-N (mg/L)	00620	29.9
Chloride (mg/L)	00940	149
Sulfate (mg/L)	00945	92.3
Ammonia-N (mg/L)	00610	0.25
BOD (mg/L)	00310	2
CBOD (mg/L)	00310	2
COD (mg/L)	00335	27.7
TKN	00625	1.32

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

Station name 10210-001 Lockhart #1 and GBRA

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20492  
 Monitoring Type Wastewater effluent  
 Latitude 29.884318 Longitude -97.662874

Parameter	Parameter Code	Date and 24 hour time									
		5/13/2008	8/13/2008	11/04/2008	2/18/2009	4/26/2011	5/31/2011	6/14/2011	7/19/2011	8/16/2011	9/20/2011
Rainfall (Inches)* within last 7 days		0.04"	0.03"	0.02"	0.06"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"
Flow (cfs)	00061	0.62	3	0.99	0.36	0.9	1	0.9	0.6	0.5	0.5
E coli (organisms/100 mL)	31699	<1	10	19	<1	23	77	230	820	<1	1
Suspended Solids (mg/L)	00530	2.7	3.3	3	3.3	<0.50	2.20	12.7	2.50	1.30	2.00
pH	00400	7.75	7.6	7.5	7.8	7.4	7.5	7.5	7.3	7.2	7.3
Temperature (C)	00010	25.1	29.6	24.9	21.5	26	27.9	28.6	30.2	30.8	29.4
Dissolved Oxygen (mg/L)	00300	8.37	7.2	8.3	9.6	8	7.9	7.6	7.4	7.4	7.0
Conductivity (umhos/cm)	00094	838	863	826	852	777	892	969	1010	1020	992
Total Phosphorus (mg/L)	00665	5.32	2.62	2.88	2.74	1.91	2.03	3.29	3.30	3.47	2.85
Nitrate-N (mg/L)	00620	15	16.2	12.7	11	13.7	9.88	16.9	26.3	26	13.6
Chloride (mg/L)	00940	78.6	114	X	95	114	97.8	112	123	109	116
Sulfate (mg/L)	00945	59.8	58.1	X	59.3	70.6	66	68.3	72.5	49.2	65.3
Ammonia-N (mg/L)	00610	1.17	1.91	1.04	1.57	<0.20	<0.20	0.21	<0.20	<0.20	1.61
BOD (mg/L)	00310	3.2	2.3	<2.1	3		0.96	1	<1	1	1
CBOD (mg/L)	00310	<1.9	<2.1	<2.1	3		0.89	0.8	<1	1	1
COD (mg/L)	00335	<20	<20	41.4	45.1		12.6	10.9	10.9	21.4	<10.0
TKN	00625						0.79	0.84	0.76	1.34	2.70

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

Parameter	Parameter Code	10/18/2011
Rainfall (Inches)* within last 7 days		0.00"
Flow (cfs)	00061	0.5
E coli (organisms/100 mL)	31699	<1
Suspended Solids (mg/L)	00530	1.30
pH	00400	6.9
Temperature (C)	00010	25.9
Dissolved Oxygen (mg/L)	00300	8.5
Conductivity (umhos/cm)	00094	879
Total Phosphorus (mg/L)	00665	2.81
Nitrate-N (mg/L)	00620	14.2
Chloride (mg/L)	00940	96
Sulfate (mg/L)	00945	56.5
Ammonia-N (mg/L)	00610	0.89
BOD (mg/L)	00310	1
CBOD (mg/L)	00310	1
COD (mg/L)	00335	19.3
TKN	00625	1.73

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

Station name 10210-002 Lockhart #2 and GBRA

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20494  
 Monitoring Type Wastewater effluent  
 Latitude 29.871627 Longitude -97.621926

Parameter	Parameter Code	Date and 24 hour time									
		5/13/2008	8/13/2008	11/04/2008	2/18/2009	4/26/2011	5/31/2011	6/14/2011	7/19/2011	8/16/2011	9/20/2011
Rainfall (Inches)* within last 7 days		1335 0.04"	1053 0.03"	1005 0.02"	1413 0.06"	1059 0.00"	1102 0.00"	1017 0.00"	1045 0.00"	1029 0.00"	1213 0.00"
Flow (cfs)	00061	1.4	1.18	0.98	1.7	1.5	1.4	1.4	1.5	1.7	2
E coli (organisms/100 mL)	31699	57	78	160	240	9	12	4	8	43	26
Suspended Solids (mg/L)	00530	4	5.3	21.7	5	4.20	6	3.1	3.60	7.56	4.40
pH	00400	7.78	7.7	7.6	7.7	7.8	7.8	7.7	7.7	7.6	7.6
Temperature (C)	00010	23.9	28	22.6	20.8	25.4	26.8	26.9	28.5	28.6	26.7
Dissolved Oxygen (mg/L)	00300	8.86	7.4	8.8	9.8	7.9	7.8	7.4	7.6	7.6	7.7
Conductivity (umhos/cm)	00094	948	925	926	962	1010	967	1080	1060	1050	1060
Total Phosphorus (mg/L)	00665	2.82	4.92	3.88	2.74	2.02	0.73	3.3	2.79	2.96	3.24
Nitrate-N (mg/L)	00620	0.15	16	13.6	8	0.22	0.15	0.62	13.7	15.4	7.32
Chloride (mg/L)	00940	114	114	X	112	148	132	151	139	119	153
Sulfate (mg/L)	00945	60.2	58.1	X	55.4	61.6	56.2	62.3	59.3	42.2	55.1
Ammonia-N (mg/L)	00610	<0.20	0.2	<0.20	0.52	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
BOD (mg/L)	00310	<1.9	<2.1	<2.1	<2.1	1	1	<1	<1	<1	<1
CBOD (mg/L)	00310	<1.9	<2.1	<2.1	<2.1	1	1	<1	<1	<1	<1
COD (mg/L)	00335	43.9	<20	53.9	<20.0	14.5	12.9	13	15.1	13	13
TKN	00625					0.94	2.39	0.78	1.06	0.83	

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

Parameter	Parameter Code	10/18/2011
Rainfall (Inches)* within last 7 days		1144 0.00"
Flow (cfs)	00061	1.6
E coli (organisms/100 mL)	31699	24
Suspended Solids (mg/L)	00530	4.90
pH	00400	7.5
Temperature (C)	00010	23.7
Dissolved Oxygen (mg/L)	00300	8.9
Conductivity (umhos/cm)	00094	935
Total Phosphorus (mg/L)	00665	2.62
Nitrate-N (mg/L)	00620	0.53
Chloride (mg/L)	00940	107
Sulfate (mg/L)	00945	44.1
Ammonia-N (mg/L)	00610	<0.20
BOD (mg/L)	00310	<1
CBOD (mg/L)	00310	<1
COD (mg/L)	00335	15.1
TKN	00625	0.91

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

Station name Lockhart Springs  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20509  
 Monitoring Type Spring  
 Latitude 29.886656 Longitude -97.668058

Parameter	Parameter Code	Date and 24 hour time						
		3/19/2008	7/9/2008	10/13/2008	2/16/2009	4/19/2011	6/21/2011	10/11/2011
Weather Conditions (Wet or Dry)		1106 Wet	931 Dry	1417 Dry	1308 Dry	1345 Dry	1240 Dry	1025 Wet
Rainfall (Inches)* within last 7 days		1.00"	0.44"	0.42"	0.50"	0.00"	0.00"	1.82"
Flow (cfs)	00061	1.5	0.64	0.45	0.76	0.9	0.4	1.3
E coli (organisms/100 mL)	31699	200	290	430	160	390	770	370
Suspended Solids (mg/L)	00530	----	4.3	2	1.7	4.20	3.5	1.90
pH	00400	8.01	7.6	7.8	7.9	8	8.1	7.3
Temperature (C)	00010	16.6	24.8	24	16.4	23.6	26.3	22.1
Dissolved Oxygen (mg/L)	00300	11.3	5.4	8.5	11.8	9	4.7	3.6
Conductivity (umhos/cm)	00094	773	776	794	805	805	787	896
Total Phosphorus (mg/L)	00665	<0.05	0.05	<0.05	<0.05	0.05	0.05	0.05
Nitrate-N (mg/L)	00620	9.6	7.35	9.65	10.4	11.4	9.24	8.56
Chloride (mg/L)	00940	21.8	26.4	27.1	29.4	34.9	31.8	36.3
Sulfate (mg/L)	00945	52.8	63.5	64.6	65	67.8	60.4	65.9
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	0.11	0.36	0.18	0.13
TKN	00625					0.48	0.39	0.46

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











Station name 10582-002 City of Luling  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20499  
 Monitoring Type Wastewater effluent  
 Latitude 29.685416 Longitude -97.627428

Parameter	Parameter Code	Date and 24 hour time										
		5/13/2008	8/19/2008	11/04/2008	2/18/2009	4/26/2011	5/31/2011	6/14/2011	7/19/2011	8/18/2011	9/20/2011	10/18/2011
Rainfall (Inches)* within last 7 days		1430 0.04"	1114 1.35"	931 0.02"	1327 0.06"	1014 0.00"	1014 0.00"	948 0.00"	1008 0.00"	1153 0.00"	1140 0.00"	1113 0.00"
Flow (cfs)	00061	0.31	1.6	0.51	0.32	0.3	0.2	0.2	0.04	0.09	0.1	0.4
E coli (organisms/100 mL)	31699	<1	<1	<1	<1	1	3	<1	<1	<1	<1	<1
Suspended Solids (mg/L)	00530	8.7	23	5.3	38.3	11	12.2	8.2	4	7.62	6.30	12
pH	00400	7.58	7.7	7.2	7.1	7.2	7	7	7	6.9	7.1	6.9
Temperature (C)	00010	25.1	28	21.5	20.4	24.8	26.6	26.9	6.3	29.8	27.3	20.4
Dissolved Oxygen (mg/L)	00300	7.68	3.8	8.3	8.8	7.2	7	7.2	6.3	6.6	6.9	8.2
Conductivity (umhos/cm)	00094	1026	836	963	936	1000	923	917	890	880	899	883
Total Phosphorus (mg/L)	00665	1.84	2.24	3.03	4.89	3.99	4.40	4.07	4.28	3.90	4.03	3.93
Nitrate-N (mg/L)	00620	0.19	9.79	11.1	19.8	20	25.2	16.9	13.1	7.60	8.72	11.1
Chloride (mg/L)	00940	134	118	X	113	149	117	126	134	121	128	131
Sulfate (mg/L)	00945	60.2	50	X	49.6	52.9	45.5	48.5	44.7	31.4	40.2	42.4
Ammonia-N (mg/L)	00610	0.92	2.37	<0.20	0.3	0.22	0.56	<0.20	<0.20	0.22	<0.20	<0.20
BOD (mg/L)	00310	<1.9	18	2.1	4	3	3	3	25	1	1	1
CBOD (mg/L)	00310	3.6	23	2.2	4	3	3	3	49	2	1	1
COD (mg/L)	00335	38.5	94.3	28.9	58.3	29.6	22.1	26.7	15.1	19.3	23.5	27.7
TKN	00625						2.01	1.23	1	1.51	1.07	1.43

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









Station name Plum Creek at Biggs Road (CR 131)

TCEQ Segment No. 1810  
 TCEQ Station Id No. 12642  
 Monitoring Type Targeted  
 Latitude 29.699576 Longitude -97.603849

Parameter	Parameter Code	Date and 24 hour time									
		3/12/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/18/2010
Weather Conditions (Wet or Dry)		1155 Wet	1003 Dry	1103 Dry	1137 Wet	1033 Dry	1016 Dry	1104 Wet	1147 Wet	1058 Wet	1006 Wet
Rainfall (Inches)* within last 7 days		1.89"	0.03"	0.67"	1.35"	0.42"	0.50"	2.47"	1.63"	4.19	1.01"
Flow (cfs)	00061	120	5.9	2.7	20	2.8	6.4	21	34	12	95
E coli (organisms/100 mL)	31699	11200	91	86	1400	460	330	170	2280	1020	570
pH	00400	7.70	7.9	7.9	7.8	7.9	7.9	7.8	7.7	7.7	7.7
Temperature (C)	00010	13.9	22.3	25.1	25.1	22.7	14.7	13.4	20.4	25.5	23.5
Dissolved Oxygen (mg/L)	00300	9.25	6.2	6.6	3.6	7.3	8.9	9.4	8	5.5	7
Conductivity (umhos/cm)	00094	432	1120	1520	1340	1290	1160	1180	806	536	485
Total Phosphorus (mg/L)	00665	0.98	0.6	0.98	1.14	0.45	1.08	1.69	0.91	0.79	0.34
Nitrate-N (mg/L)	00620	2.00	0.09	0.37	0.22	1.71	2.9	3.75	2.13	1.27	1.16
Ammonia-N (mg/L)	00610	0.12	0.19	<0.10	0.13	<0.10	0.22	0.12	0.14	0.24	0.19

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

Parameter	Parameter Code	Date and 24 hour time						
		7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011	
Weather Conditions (Wet or Dry)		1038 Dry	1110 Wet	1206 Dry	1031 Dry	1003 Dry	1130 Wet	
Rainfall (Inches)* within last 7 days		1.64"	3.73"	0.00"	0.00"	0.00"	1.82"	
Flow (cfs)	00061	27.9	13	6.5	5.8	2.2	11	
E coli (organisms/100 mL)	31699	210	2480	120	250	210	510	
pH	00400	7.9	7.9	8.1	8.00	7.9	7.7	
Temperature (C)	00010	27.9	25.8	19.9	20	27.5	22.2	
Dissolved Oxygen (mg/L)	00300	6.8	10.6	8	7.3	4.8	4.9	
Conductivity (umhos/cm)	00094	998	1200	1110	1230	1470	1380	
Total Phosphorus (mg/L)	00665	0.44	0.82	0.66	0.82	1.34	1.59	
Nitrate-N (mg/L)	00620	2.23	2.76	4.26	2.53	0.40	0.50	
Ammonia-N (mg/L)	00610	0.11	0.14	0.21	0.33	0.19	0.12	
TKN	00625				0.72	0.57	0.77	
Suspended Solids	00530				25.2	21	75.6	

\*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										
		02/15/08	03/12/08	04/09/08	05/07/08	06/11/08	07/03/08	8/6/2008	8/19/2008	09/09/08	10/07/08	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 <sup>3</sup> )	32211	2	7.7	1.5	4.8	<1.0	6	1.4		2.4	2	<1.0
Pheophytin (mg/m <sup>3</sup> )	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		0.9		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										
		12/04/08	01/07/09	02/04/09	03/10/09	3/16/09	4/7/09	4/28/09	5/05/09	6/03/09	07/06/09	08/03/09
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 <sup>3</sup> )	32211	<1.0	1.1	3.9	2		1.2		4.6	1.4	15	9.1
Pheophytin (mg/m <sup>3</sup> )	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			0.62			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										
		09/03/09	09/15/09	10/05/09	11/4/2009	12/01/09	1/12/10	2/3/2010	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	219	92.2
Sulfate (mg/L)	00945	56.6	14.9	56	89	130	69.9	106	125	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 <sup>3</sup> )	32211	3.2		<1	<1.0	<1	<1.0	1.8	2.5	1.4	1.3	2.3
Pheophytin (mg/m <sup>3</sup> )	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

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										
		7/6/2010	8/3/2010	9/8/2010	10/7/2010	11/15/2010	12/02/10	01/05/11	02/07/11	03/03/11	04/05/11	05/13/11
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
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 <sup>3</sup> )	32211	<1.0	<1.0	2.5	<1.0	1.1	<1.0	1.4	1	1.1	1.3	3
Pheophytin (mg/m <sup>3</sup> )	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

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

Parameter	Parameter Code	Date and 24 hour time							
		06/02/11	07/12/11	08/01/11	09/13/11	10/10/2011	11/07/11	12/06/11	
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Wet	Dry	Wet	
Rainfall (Inches)* within last 7 days		0.00"	0.00"	0.05"	0.00"	1.82"	0.01"	2.09"	
Flow (cfs)	00061	3.8	2	2.6	1	11	2.7	43	
E coli (organisms/100 mL)	31699	39	65	12	9	440	86	210	
Suspended Solids (mg/L)	00530	13.7	34	16.3	15.1	13.8	15		
Turbidity (NTU)	82079	9.4	22.3	6.2	8.7	7.1	9.9		
pH	00400	7.8	8.2	8.1	8.2	7.6	7.9	7.7	
Temperature (C)	00010	25.9	29.2	29.3	25.6	22	18.3	10.7	
Dissolved Oxygen (mg/L)	00300	4.4	5.5	5.7	5.6	8.2	5.9	9.1	
Conductivity (umhos/cm)	00094	1240	1710	1840	2440	1710	1540	1080	
Total Phosphorus (mg/L)	00665	1.13	0.24	1.61	1.27	1.5	0.48		
Nitrate-N (mg/L)	00620	0.55	0.49	0.23	0.59	0.1	1.06		
Chloride (mg/L)	00940	171	260	276	349	254	230		
Sulfate (mg/L)	00945	77.1	90.5	68.7	90	63.7	84.1		
Total Hardness (mg/L)	00900	246	304	291	326	292	304		
Ammonia-N (mg/L)	00610	0.16	0.25	0.21	0.13	0.15	0.14		
Chlorophyll a (mg/m <sup>3</sup> )	32211	2.3	2.6	3.1	1.9	<1.0	1.2		
Pheophytin (mg/m <sup>3</sup> )	32218	<1	<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		

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











Station name Plum Creek at CR 186  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12648  
 Monitoring Type Targeted  
 Latitude 29.881869 Longitude -97.630368

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/18/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.35"	0.42"	0.50"	2.47"	1.63"	4.19"	1.01"
Flow (cfs)	00061	18	3.1	1.1	2	0.9	3.2	6	5.1	10.6	22
E coli (organisms/100 mL)	31699	1000	130	96	860	70	370	150	330	680	460
pH	00400	7.83	8	8	8	7.9	8	8	8	7.8	7.8
Temperature (C)	00010	15.8	20.6	25.7	25.1	23.6	14.1	14.6	22.3	24	24.1
Dissolved Oxygen (mg/L)	00300	9.00	8.1	7.3	7.1	7.1	10.8	12.1	9.1	7.1	7.5
Conductivity (umhos/cm)	00094	638	812	927	1170	916	1120	1060	740	433	559
Total Phosphorus (mg/L)	00665	0.44	0.99	0.94	1.18	1.08	2.07	2.04	1.67	0.78	0.31
Nitrate-N (mg/L)	00620	1.58	1.08	7.99	0.97	9.31	9.48	9.06	2.91	1.66	1.54
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	0.11	<0.10	0.15	0.15	0.1	0.15	0.19

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

Parameter	Parameter Code	Date and 24 hour time				
		9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	184	3.2	2	1.1	1.9
E coli (organisms/100 mL)	31699	>24200	390	250	290	960
pH	00400	8	8.2	8	8.2	7.8
Temperature (C)	00010	24.9	20.8	21.5	27	22.2
Dissolved Oxygen (mg/L)	00300	10.4	10.1	8.30	4.6	6.7
Conductivity (umhos/cm)	00094	281	909	964	962	1100
Total Phosphorus (mg/L)	00665	0.65	0.90	1.2	1.19	1.36
Nitrate-N (mg/L)	00620	1.64	12.7	9.95	8.52	3.62
Ammonia-N (mg/L)	00610	0.1	0.15	0.15	0.23	0.18
TKN	00625			0.86	0.50	0.92
Suspended Solids	00530			51.4	26.2	34.6

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







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7/13/2010  
1241  
Dry  
1.64"

=====  
6.3

540  
8.2  
28.2  
7.9  
808  
0.67  
5.72  
<0.10

=====

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										
		2/18/2008	3/12/2008	4/9/2008	5/7/2008	6/11/2008	7/3/2008	8/6/2008	8/19/2008	9/9/2008	10/7/2008	11/12/2008
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		1.12"	1.89"	0.11"	0.28"	0.19"	0.44"	0.00"	1.35"	0.15"	0.42"	0.02"
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	7.8
Temperature (C)	00010	15.1	14.9	22.8	22.6	26.7	25.4	26.9		25.2	26.5	23.7
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
Conductivity (umhos/cm)	00094	1054	561	942	857	969	861	838		1290	892	936
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
Nitrate-N (mg/L)	00620	8	1.40	3.56	3.72	5.04	4.1	6.78		2.44	5.41	13.6
Chloride (mg/L)	00940	105	27	95.2	65.7	105	77.9	77.8			84.5	95.5
Sulfate (mg/L)	00945	103	40.4	85.6	71.4	77.5	68.5	69			64.3	68.8
Total Hardness (mg/L)	00900	323	176	307	296	298	267	291			276	319
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
Chlorophyll a (mg/m <sup>3</sup> )	32211	1	4	1.2	1.2	2.1	3.5	6.7			1.8	3.6
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	1.9	<1.0	<1.0	<1.0	1.3	<1.0			<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625											

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

Parameter	Parameter Code	Date and 24 hour time										
		12/4/2008	1/7/2009	3/16/2009	4/28/2009	5/5/2009	6/3/2009	7/6/2009	8/3/2009	9/3/2009	9/15/2009	10/5/2009
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet
Rainfall (Inches)* within last 7 days		0.06"	0.00"	2.47"	1.63"	0.03"	0.08"	0.37"	0.17"	0.00"	4.19"	1.01"
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 <sup>3</sup> )	32211	<1.0	<1.0			1.1	2	3.7	1.7	2.4		<1
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0			<1.0	<1.0	<1.0	<1.0	1.2		<1
Total Kjeldahl Nitrogen (mg/L)	00625											1.68

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

Parameter	Parameter Code	Date and 24 hour time										
		11/4/2009	12/1/2009	1/12/2010	2/3/2010	3/10/2010	4/14/2010	5/4/2010	6/16/2010	7/6/2010	8/3/2010	9/7/2010
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Wet	Wet	Dry	Dry	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		0.06"	1.35"	0.02"	2.08"	0.12"	0.00"	0.00"	2.27"	2.44"	1.21"	3.73"
Flow (cfs)	00061	21	13	10.9	1010	24.9	8.4	6.3	14.6	10.6	4.3	187
E coli (organisms/100 mL)	31699	61	160	16	280	160	160	73	110	480	260	>24200
Suspended Solids (mg/L)	00530	19.7	12	2	17.3	12	1	9.7	26.3	36.7	42.3	
Turbidity (NTU)	82079	14.6	16.4	3	14.8	6.9	9.2	7.8	19.1	28.2	13.5	
pH	00400	8	7.7	8.2	7.9	7.9	8	8	7.8	8	8	7.8
Temperature (C)	00010	18.1	13.2	8.1	11	18.6	20	20.9	28.1	28.3	27.4	25.3
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	9.6
Conductivity (umhos/cm)	00094	670	801	916	735	827	1000	1000	742	646	827	372
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	0.83
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	2.25
Chloride (mg/L)	00940	45.5	67.7	83.8	50.1	68.6	91.2	92.4	68.6	56.1	67.2	
Sulfate (mg/L)	00945	55.6	89	106	72.8	73.6	98.8	95.4	71.3	64	76.5	
Total Hardness (mg/L)	00900	239	310	331	278	290	326	324	237	218	286	
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 <sup>3</sup> )	32211	<1	<1	1	<1.0	1.5	4.1	<1	1.2	<1.0	1.5	
Pheophytin (mg/m <sup>3</sup> )	32218	<1	<1	<1.0	<1.0	1.3	3.5	<1	1.1	<1.0	2	
Total Kjeldahl Nitrogen (mg/L)	00625		0.84		0.94		0.91		0.71		0.75	

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

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										
		9/15/2010	10/7/2010	11/15/2010	12/2/2010	1/5/2011	2/7/2011	3/3/2011	4/5/2011	05/13/11	6/2/2011	7/12/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		0.00"	0.00"	0.42"	0.01"	0.05"	0.21"	0.00"	0.18"	1.73"	0.00"	0.00"
Flow (cfs)	00061	51	6.4	4.9	5.4	6.3	9.8	6.3	5.5	3.6	3.1	1.3
E coli (organisms/100 mL)	31699	360	79	190	96	190	36	210	210	13000	410	330
Suspended Solids (mg/L)	00530	38.7	9.4	5.9	6.2	6.1	2.6	12.4	11	21.3	30.8	25.8
Turbidity (NTU)	82079	30.5	5.2	2.8	3.2	4.5	2.8	5.2	7.3	12.5	22.8	16.0
pH	00400	8	8.1	7.9	8	8	8.3	8.1	8	7.7	8.1	8.0
Temperature (C)	00010	28.3	18.7	15.7	22.6	14.1	9.7	15.7	18.2	22.9	26.5	27.8
Dissolved Oxygen (mg/L)	00300	6.5	9	8.1	10.2	9.9	13.4	10.1	8.3	6.3	7.7	6.6
Conductivity (umhos/cm)	00094	681	865	1030	1020	909	902	981	1040	827	1000	960
Total Phosphorus (mg/L)	00665	0.55	0.93	1.74	1.47	1.21	1.06	1.05	1.26	1.28	1.38	1.73
Nitrate-N (mg/L)	00620	3.34	9.42	16.3	13.2	9.6	7.64	6.96	4	3.79	6.56	6.28
Chloride (mg/L)	00940	75.8	81.8	96.2	104	89.4	75.3	106	128	95.2	119	102
Sulfate (mg/L)	00945	65.8	72.2	82.7	79.9	77	75.4	89	76.9	66.6	78.6	73.7
Total Hardness (mg/L)	00900	201	269	320	323	278	292	296	291	248	318	286
Ammonia-N (mg/L)	00610	<0.10	0.13	0.10	0.11	0.13	0.13	0.13	0.22	0.16	0.13	0.18
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	1.2	2.4	4.9	5.0
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1	1.5	1.8	<1	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.58	0.58	0.61	0.61	0.53	0.53	0.79	1.37	0.7	0.7	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				
		8/1/2011	9/13/2011	10/10/2011	11/7/2011	12/6/2011
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		0.05"	0.00"	1.82"	0.01"	2.09"
Flow (cfs)	00061	1.6	2	3.1	1.6	23
E coli (organisms/100 mL)	31699	550	200	910	190	410
Suspended Solids (mg/L)	00530	18.4	15.5	38.5	15.8	
Turbidity (NTU)	82079	7.1	8.2	18.6	8.1	
pH	00400	8	7.8	7.8	7.9	7.8
Temperature (C)	00010	28.8	25.7	22.5	20.1	10.8
Dissolved Oxygen (mg/L)	00300	7.4	8.2	6.8	8.4	10.4
Conductivity (umhos/cm)	00094	990	1030	1140	1030	1040
Total Phosphorus (mg/L)	00665	2.69	2.27	1.65	1.8	
Nitrate-N (mg/L)	00620	16.1	10	3.5	11.4	
Chloride (mg/L)	00940	102	115	135	117	
Sulfate (mg/L)	00945	64.4	56.8	86	75.6	
Total Hardness (mg/L)	00900	262	276	296	300	
Ammonia-N (mg/L)	00610	0.17	<0.10	<0.10	0.1	
Chlorophyll a (mg/m <sup>3</sup> )	32211	3.2	1.6	2	4.9	
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	
Total Kjeldahl Nitrogen (mg/L)	00625	0.67	0.54	0.68	0.51	

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











Station name Plum Creek at CR 233  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12649  
 Monitoring Type Targeted  
 Latitude 29.937758 Longitude -97.725391

Parameter	Parameter Code	Date and 24 hour time										
		3/13/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	2/16/2009	3/16/2009	9/15/2009	5/18/2010	7/13/2010	9/8/2010
Weather Conditions (Wet or Dry)		1402 Wet	1331 Dry	1405 Dry	1247 Wet	1701 Dry	1401 Dry	1525 Wet	1436 Wet	1435 Wet	1451 Dry	1231 Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.06"	0.42"	0.50"	2.47"	4.19"	1.01"	1.64"	4.51"
Flow (cfs)	00061	25	1.4	0.57	6.6	1.9	1.5	5	5.6	15.3	5.5	Flood
E coli (organisms/100 mL)	31699	900	120	73	880	63	99	120	370	480	45	10460
pH	00400	7.88	7.9	7.7	7.8	7.7	7.8	7.9	7.7	7.8	8.1	7.8
Temperature (C)	00010	16.4	21.6	26.9	26.3	22.7	14.4	12.3	23.8	24.5	28.3	26.5
Dissolved Oxygen (mg/L)	00300	8.93	6.7	5.9	5.9	5.9	8	10.8	6.1	6.7	7.5	10.8
Conductivity (umhos/cm)	00094	717	775	1350	1200	1240	1290	1170	524	587	775	223
Total Phosphorus (mg/L)	00665	0.34	1.94	2.59	3.03	3.17	4.08	0.98	0.61	0.26	0.86	0.75
Nitrate-N (mg/L)	00620	1.26	8.53	3.33	4.55	12.3	14.6	4.34	0.38	1.09	3.86	0.49
Ammonia-N (mg/L)	00610	<0.10	0.1	0.1	0.12	<0.10	0.2	0.11	0.36	0.17	0.12	0.2

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

Parameter	Parameter Code	Date and 24 hour time			
		10/20/2010	4/18/2011	6/21/2011	10/11/2011
Weather Conditions (Wet or Dry)		1254 Dry	1423 Dry	1331 Dry	1246 Wet
Rainfall (Inches)* within last 7 days		0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	1.4	0.9	0.7	0.8
E coli (organisms/100 mL)	31699	77	180	210	520
pH	00400	7.9	7.8	8.1	7.7
Temperature (C)	00010	20	21.1	28.3	21.7
Dissolved Oxygen (mg/L)	00300	6.8	6.6	5.5	5.5
Conductivity (umhos/cm)	00094	1070	1230	1330	1280
Total Phosphorus (mg/L)	00665	2.16	3.15	3.18	3.96
Nitrate-N (mg/L)	00620	16.6	19.7	18.4	18.6
Ammonia-N (mg/L)	00610	0.14	0.33	0.21	0.40
TKN	00625		0.88	1.05	0.82
Suspended Solids	00530		13	28.8	16.0

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











Station name Plum Creek at FM 1322  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12643  
 Monitoring Type Targeted  
 Latitude 29.752783 Longitude -97.592958

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/18/2010
Weather Conditions (Wet or Dry)		1044	1030	1115	1149	1054	1029	1139	1200	1110	1037
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet
		1.80"	0.03"	0.67"	1.35"	0.42"	0.50"	2.47"	1.63"	4.19"	1.01"
Flow (cfs)	00061	60	4.3	2.4	12.5	1.7	5.2	10.9	18	11.1	47
E coli (organisms/100 mL)	31699	1500	150	53	2400	270	400	150	570	680	750
pH	00400	7.75	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.7	7.7
Temperature (C)	00010	15.4	21.5	26.8	25.3	22.9	14.9	12.5	21.4	23.4	23.7
Dissolved Oxygen (mg/L)	00300	8.51	5.7	6.1	5	6.6	8.4	9.9	6.7	4.7	6.7
Conductivity (umhos/cm)	00094	671	988	1210	964	994	1060	1200	1000	531	487
Total Phosphorus (mg/L)	00665	0.62	0.92	1.11	1.22	1.53	0.53	2.14	1.8	0.9	0.38
Nitrate-N (mg/L)	00620	1.67	0.07	1.36	3.17	8.74	4.48	7.08	4.6	2.23	0.91
Ammonia-N (mg/L)	00610	0.11	0.12	0.12	0.13	<0.10	0.17	0.1	0.12	0.18	0.17

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

Parameter	Parameter Code	Date and 24 hour time				
		9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		1140	1218	1110	1046	1221
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Dry	Wet
		3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	7.9	2.6	2.2	1.4	6.3
E coli (organisms/100 mL)	31699	3650	88	170	140	860
pH	00400	7.8	8	8	7.8	7.7
Temperature (C)	00010	25.3	19.7	20.9	27.4	22.1
Dissolved Oxygen (mg/L)	00300	10.9	7.7	7.5	4.5	5.9
Conductivity (umhos/cm)	00094	959	977	1130	1140	1120
Total Phosphorus (mg/L)	00665	1.18	0.89	1.08	0.46	1.75
Nitrate-N (mg/L)	00620	3.88	5.96	3.42	1.09	2.43
Ammonia-N (mg/L)	00610	0.17	0.12	0.26	0.21	0.10
TKN	00625			0.81	0.74	0.79
Suspended Solids	00530			41.3	35.3	132

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







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7/13/2010  
1053  
Dry  
1.64"

=====  
7.4

110  
7.8  
27.7  
6.7  
944  
0.74  
3.42  
0.12

=====

Station name Plum Creek at Heidenreich Lane

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20484  
 Monitoring Type Targeted  
 Latitude 29.963415 Longitude -97.830645

Parameter	Parameter Code	Date and 24 hour time										
		3/19/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/17/2009	3/17/2009	9/16/2009	7/14/2010	9/8/2010	10/20/2010
Weather Conditions (Wet or Dry)		1241	1447	1443	1708	1510	1116	1244	1222	1224	1350	1210
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Dry	Wet	Dry
		1.00"	0.03"	0.67"	1.35"	0.42"	0.06"	2.47"	4.08"	1.64"	4.51"	0.00"
Flow (cfs)	00061	8	2.2	1.5	2	1.3	3.2	2.8	3.1	3.3	192	2.7
E coli (organisms/100 mL)	31699	2100	770	1050	9200	>4410	770	1100	1840	2780	>24200	1050
pH	00400	7.74	7.56	7.6	7.8	7.7	7.7	7.8	7.8	7.7	7.7	7.8
Temperature (C)	00010	17	24.4	29.9	29.1	27.4	20.9	21.7	27.7	28.4	25.8	25.7
Dissolved Oxygen (mg/L)	00300	11.2	5.33	6.2	5.7	7	7.8	7.8	6.2	5.6	7.1	6.4
Conductivity (umhos/cm)	00094	529	1123	1260	1090	1200	1120	1050	1020	1070	308	1140
Total Phosphorus (mg/L)	00665	0.71	3.88	3.9	2.9	4.96	3.98	2.95	2.59	2.71	0.33	3.51
Nitrate-N (mg/L)	00620	3.2	12.3	7.05	11	19.1	16.4	14.9	20.4	14.7	0.65	26
Ammonia-N (mg/L)	00610	<0.10	0.84	5.3	1.63	0.17	0.2	0.25	0.19	0.21	0.32	0.15

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

Parameter	Parameter Code	Date and 24 hour time			
		4/19/2011	6/22/2011	7/27/2011	10/11/2011
Weather Conditions (Wet or Dry)		1154	1147	1140	1522
Rainfall (Inches)* within last 7 days		Dry	Wet	Dry	Wet
		0.00"	1.34"	0.00"	1.82"
Flow (cfs)	00061	1.4	27	0.3	0.5
E coli (organisms/100 mL)	31699	2760	>24200	>4840	4920
pH	00400	7.7	7.8	7.7	7.6
Temperature (C)	00010	25.3	23.2	28.9	28.4
Dissolved Oxygen (mg/L)	00300	5.9	5.6	5.5	7.6
Conductivity (umhos/cm)	00094	1150	316	1000	1290
Total Phosphorus (mg/L)	00665	3.88	0.95	3.84	3.92
Nitrate-N (mg/L)	00620	25.3	2.33	26.5	27
Ammonia-N (mg/L)	00610	0.35	0.52	0.27	0.18
TKN	00625	1.31	2.29	0.96	0.83
Suspended Solids	00530	25.5	359	6.90	9.90

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











Station name Plum Creek at Lehman Rd.

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20503  
 Monitoring Type Targeted  
 Latitude 29.9911450 Longitude -97.8581790

Parameter	Date and 24 hour time										
	Parameter Code	5/13/2008	7/9/2008	8/19/2008	10/13/2008	2/17/2009	3/17/2009	9/16/2009	3/16/2010	5/19/2010	7/14/2010
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		0.04"	0.44"	1.35"	0.42"	0.06"	2.47	4.08"	0.86"	1.01"	1.64"
Flow (cfs)	00061	0.04	<0.01	<0.01	0	0	0.09	0.2	7.2	1.2	0.2
E coli (organisms/100 mL)	31699	260	21	97	260	260	300	540	780	450	260
pH	00400	7.32	7.3	7.5	7.3	7.2	7.7	7.6	7	7.8	7.5
Temperature (C)	00010	22	28.7	31	23.7	13.9	16.3	24.5	15.8	25.4	26.8
Dissolved Oxygen (mg/L)	00300	5.54	8	8.2	4.1	5	7.5	5.5	12.1	7.6	6.9
Conductivity (umhos/cm)	00094	616	489	522	600	778	558	397	578	503	667
Total Phosphorus (mg/L)	00665	<0.05	<0.05	0.05	0.07	<0.05	<0.05	0.08	<0.05	<0.05	<0.05
Nitrate-N (mg/L)	00620	<0.05	0.05	<0.05	<0.05	<0.05	0.18	1.07	0.85	0.35	0.70
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	0.23	<0.10	<0.10	0.14	<0.1	0.14	<0.10

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

Parameter	Date and 24 hour time						
	Parameter Code	9/8/2010	10/20/2010	4/19/2011	6/22/2011	7/27/2011	10/11/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		4.51"	0.00"	0.00"	1.34"	0.00"	1.82"
Flow (cfs)	00061	148	0.1	<0.01	5.9	0	0
E coli (organisms/100 mL)	31699	3870	27	5	19860	120	17330
pH	00400	7.7	7.5	7.1	7.9	7.3	7.5
Temperature (C)	00010	26.8	21.5	21.2	23.3	26.5	23.2
Dissolved Oxygen (mg/L)	00300	5.6	6.6	1.7	6.9	3.1	1.1
Conductivity (umhos/cm)	00094	343	704	784	244	800	607
Total Phosphorus (mg/L)	00665	0.14	<0.05	0.08	0.17	<0.05	0.15
Nitrate-N (mg/L)	00620	0.66	0.49	0.19	0.64	0.09	0.18
Ammonia-N (mg/L)	00610	0.13	0.11	0.23	0.34	0.24	0.11
TKN	00625			0.54	1.22	0.61	1.21
Suspended Solids	00530			24.6	47.5	8.0	10.0

\*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										
		2/15/2008	3/12/2008	4/9/2008	5/7/2008	6/11/2008	7/3/2008	8/6/2008	8/19/2008	9/9/2008	10/7/2008	11/12/2008
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 <sup>3</sup> )	32211	2.2	2.9	<1.0	<1.0	<1.0	4.7	3		<1.0	<1.0	<1
Pheophytin (mg/m <sup>3</sup> )	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										
		12/4/2008	1/7/2009	2/4/2009	3/10/2009	3/17/2009	4/7/2009	5/5/2009	6/3/2009	7/6/2009	8/3/2009	9/3/2009
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
Sulfate (mg/L)	00945	105	94.4	90.2	85.8		95.5	94	79.6		79.6	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 <sup>3</sup> )	32211	<1.0	1.1	4.7	1.3		<1.0	8.7	<1.0	2.6	<1.0	<1.0
Pheophytin (mg/m <sup>3</sup> )	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										
		9/16/2009	10/5/2009	11/4/2009	12/1/2009	1/12/2010	2/3/2010	3/10/2010	4/14/2010	5/4/2010	6/16/2010	7/6/2010
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 <sup>3</sup> )	32211		2.2	3	<1	2.6	1.7	1.4	<1	1.3	1.2	3.3
Pheophytin (mg/m <sup>3</sup> )	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										
		8/3/2010	9/8/2010	10/7/2010	11/15/2010	12/2/2010	1/5/2011	2/7/2011	3/3/2011	4/5/2011	5/13/2011	6/2/2011
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Dry	Dry	Dry	Wet	Dry	Wet	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 <sup>3</sup> )	32211	<1	1.1	<1.0	<1.0	<1.0	<1.0	1.7	1.4	2.5	1.2	2
Pheophytin (mg/m <sup>3</sup> )	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					
		7/12/2011	8/1/2011	9/13/2011	10/10/2011	11/7/2011	12/6/2011
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	0.05"	0.00"	1.82"	0.01"	2.09"
Flow (cfs)	00061	0.5	0.2	0.6	0.4	0.3	4
E coli (organisms/100 mL)	31699	310	1050	600	360	270	680
Suspended Solids (mg/L)	00530	28.8	16.9	13.5	21.3	7.9	
Turbidity (NTU)	82079	24.1	12.2	11.3	12.1	4.7	
pH	00400	7.9	7.8	7.7	7.7	7.6	7.8
Temperature (C)	00010	27.7	27.9	24.5	21.7	19.4	9.8
Dissolved Oxygen (mg/L)	00300	6.2	6.6	6.3	6.6	7	10.9
Conductivity (umhos/cm)	00094	1240	1230	1250	1230	1340	1600
Total Phosphorus (mg/L)	00665	3.86	3.79	4.25	4	5.24	
Nitrate-N (mg/L)	00620	19.5	27.3	24	29.3	34.8	
Chloride (mg/L)	00940	164	153	155	146	180	
Sulfate (mg/L)	00945	95.7	101	84.2	77.1	88.9	
Total Hardness (mg/L)	00900	301	298	293	287	310	
Ammonia-N (mg/L)	00610	0.23	0.1	<0.10	0.18	0.12	
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.0	<1.0	<1.0	<1.0	<1.0	
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Kjeldahl Nitrogen (mg/L)	00625	0.75	0.87	0.95	0.77	0.7	

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









Station name Plum Creek at Youngs Ln (CR 197)

TCEQ Segment No. 1810  
 TCEQ Station Id No. 12645  
 Monitoring Type Targeted  
 Latitude 29.821800 Longitude -97.584232

Parameter	Parameter Code	Date and 24 hour time									
		3/12/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/18/2010
Weather Conditions (Wet or Dry)		1318 Wet	1118 Dry	1149 Dry	1227 Wet	1127 Dry	1109 Dry	1234 Wet	1312 Wet	1201 Wet	1150 Wet
Rainfall (Inches)* within last 7 days		1.89"	0.03"	0.67"	1.35"	0.42"	0.85"	2.47"	1.63"	4.19"	1.01"
Flow (cfs)	00061	64	5.6	2	7.5	2.4	3.9	11.5	8.2	10.1	31
E coli (organisms/100 mL)	31699	3870	120	110	830	160	150	100	720	1210	660
pH	00400	7.80	7.9	7.8	7.8	7.8	8	8	7.8	7.7	7.8
Temperature (C)	00010	14.5	21.4	26.1	25.3	22.9	14.3	13.4	21.1	23.7	23.7
Dissolved Oxygen (mg/L)	00300	9.17	6.5	6.3	6.4	7.3	10.4	11.2	7.7	6	6.8
Conductivity (umhos/cm)	00094	601	884	1020	727	1020	1140	1140	954	468	555
Total Phosphorus (mg/L)	00665	0.72	1.05	1.13	0.92	2.05	2.14	2.8	1.18	0.93	0.33
Nitrate-N (mg/L)	00620	1.70	0.17	2.27	4.75	10.7	4.9	10.7	4.38		1.16
Ammonia-N (mg/L)	00610	0.14	0.1	0.11	0.14	<0.10	0.14	<0.10	0.17	0.17	0.15

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

Parameter	Parameter Code	Date and 24 hour time					
		7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		1154 Dry	1247 Wet	1250 Wet	1207 Dry	1121 Dry	1318 Wet
Rainfall (Inches)* within last 7 days		1.64"	3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	6.2	16	4.7	3.1	1.5	6
E coli (organisms/100 mL)	31699	360	3260	76	260	380	17330
pH	00400	8	7.9	8	8.00	8	7.6
Temperature (C)	00010	27.4	25.3	20	20.7	27.7	21.7
Dissolved Oxygen (mg/L)	00300	7.3	9.2	8	7.6	4.7	5
Conductivity (umhos/cm)	00094	856	761	952	1070	1100	624
Total Phosphorus (mg/L)	00665	0.71	1.3	1.06	1.11	0.47	0.85
Nitrate-N (mg/L)	00620	2.49	3.06	8.16	4.78	2.84	1.71
Ammonia-N (mg/L)	00610	0.1	0.13	0.15	0.30	0.24	<0.10
TKN	00625				0.82	0.74	0.71
Suspended Solids	00530				55.7	44	69

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











Station name Plum Creek downstream of NRCS 1 spillway  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20480  
 Monitoring Type Targeted  
 Latitude 30.019034 Longitude -97.878859

Parameter	Parameter Code	Date and 24 hour time										
		3/19/2008	5/13/2008	7/9/2008	8/19/2008	10/13/2008	2/17/2009	3/17/2009	9/16/2009	5/19/2010	7/14/2010	9/8/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		1.00"	0.04"	0.44"	1.35"	0.42"	0.06"	2.47"	4.08"	1.01"	1.64"	4.51"
Flow (cfs)	00061	3.3	0	0	0	0	0	0	0	1.1	0	30
E coli (organisms/100 mL)	31699	70	70	110	190	1120	13	31	160	20	5	1190
pH	00400	8.12	7.6	7.7	7.8	7.8	8.1	8.7	7.5	8.3	7.7	7.9
Temperature (C)	00010	16.8	20.8	29.1	25.5	23.8	13.4	15.4	23.9	27.8	28.8	26.2
Dissolved Oxygen (mg/L)	00300	9.24	2.2	6	7.6	8.5	1.5	10.1	3.1	11.2	4.9	8.1
Conductivity (umhos/cm)	00094	360	605	1000	577	903	1050	703	693	139	386	268
Total Phosphorus (mg/L)	00665	0.06	0.36	0.68	0.52	0.24	0.8	0.73	0.87	0.07	0.19	0.08
Nitrate-N (mg/L)	00620	0.10	0.88	0.22	<0.05	1.13	<0.05	<0.05	0.57	<0.05	<0.05	0.17
Ammonia-N (mg/L)	00610	<0.10	0.32	2.07	0.11	0.17	0.18	<0.10	0.15	0.16	0.1	0.16

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

Parameter	Parameter Code	Date and 24 hour time				
		10/20/2010	4/18/2011	6/22/2011	7/27/2011	10/11/2011
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	0.00"	1.34"	0.00"	1.82"
Flow (cfs)	00061	0	0	0	0	0
E coli (organisms/100 mL)	31699	6	17	520	93	120
pH	00400	7.4	9.3	8.3	7.8	8.4
Temperature (C)	00010	21	24.6	24.2	27.5	27.2
Dissolved Oxygen (mg/L)	00300	0.4	8.3	2.9	4.4	16.1
Conductivity (umhos/cm)	00094	467	1020	992	1640	1420
Total Phosphorus (mg/L)	00665	0.21	0.29	0.12	0.18	0.24
Nitrate-N (mg/L)	00620	0.08	7.84	0.45	0.11	6.52
Ammonia-N (mg/L)	00610	0.23	0.22	0.46	2.81	<0.10
TKN	00625		2.69	3.18	3.98	2.85
Suspended Solids	00530		52	90	62	13.7

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











Station name Plum Creek upstream of US 183  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 18343  
 Monitoring Type Targeted  
 Latitude 29.923288 Longitude -97.678864

Parameter	Parameter Code	Date and 24 hour time										
		3/13/2008	5/12/2008	7/7/2008	8/19/2008	10/13/08	2/16/2009	3/16/2009	9/15/2009	5/18/2010	7/13/2010	9/8/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.35"	0.42"	0.85"	2.47"	4.19"	1.01"	1.64"	4.51"
Flow (cfs)	00061	18	0.03	0.24	3	1	1.8	5.7	31	29	0.01	618
E coli (organisms/100 mL)	31699	1200	12	36	230	49	88	90	560	680	110	>24200
pH	00400	7.83	7.8	7.8	7.9	7.9	8.1	7.9	7.8	7.9	7.9	7.7
Temperature (C)	00010	16.3	21	26.1	25.4	22.5	14.7	15.6	24.4	24.9	28.2	25.6
Dissolved Oxygen (mg/L)	00300	9.07	5.2	5.4	6.8	6.6	12	11.5	6.6	7.1	8.4	10.7
Conductivity (umhos/cm)	00094	694	881	1310	1180	1250	1250	883	412	569	823	256
Total Phosphorus (mg/L)	00665	0.37	1.27	2.43	1.73	1.73	3.42	0.94	0.71	0.3	0.82	1.73
Nitrate-N (mg/L)	00620	0.72	0.4	0.13	1.71	0.35	10.3	2.13	1.14	1.17	3.36	0.63
Ammonia-N (mg/L)	00610	<0.10	0.11	0.13	0.15	0.11	0.15	0.11	0.13	0.18	0.11	0.15

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

Parameter	Parameter Code	Date and 24 hour time			
		10/19/2010	4/18/2011	6/21/2011	10/11/2011
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	4.3	0.04	0.01	0.1
E coli (organisms/100 mL)	31699	220	99	46	50
pH	00400	7.8	7.7	8	7.7
Temperature (C)	00010	19.2	18.8	27.6	21.1
Dissolved Oxygen (mg/L)	00300	6.3	4.5	4.9	5.8
Conductivity (umhos/cm)	00094	1030	1210	1430	1330
Total Phosphorus (mg/L)	00665	1.37	2.44	2.88	3.18
Nitrate-N (mg/L)	00620	9.8	10.1	5.12	8.48
Ammonia-N (mg/L)	00610	0.15	0.30	0.22	<0.10
TKN	00625		0.8	0.92	0.91
Suspended Solids	00530		10	17	16.1

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









Station name Porter Creek at Dairy Road  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 12559  
 Monitoring Type Targeted  
 Latitude 29.973520 Longitude -97.812572

Parameter	Parameter Code	Date and 24 hour time									
		3/19/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/17/2009	3/17/2009	9/16/2009	3/16/2010	7/14/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		1.00"	0.03"	0.67"	1.35"	0.42"	0.06"	2.47"	4.08"	0.86"	1.64"
Flow (cfs)	00061	2.9	0.19	dry	dry	dry	0.12	1.1	0.8	1.7	0.3
E coli (organisms/100 mL)	31699	600	69				480	930	1940	1410	390
pH	00400	8.17	8.3				7.9	8.2	8.1	7.8	7.9
Temperature (C)	00010	14.3	20.8				13.8	17.6	24.7	15.2	28.9
Dissolved Oxygen (mg/L)	00300	11.5	12.1				9.6	11.3	8.9	10.9	6.4
Conductivity (umhos/cm)	00094	1024	1100				1710	1620	1400	759	760
Total Phosphorus (mg/L)	00665	0.1	<0.05				0.05	0.08	0.09	0.08	0.16
Nitrate-N (mg/L)	00620	0.8	<0.05				0.55	0.77	0.32	<0.05	0.08
Ammonia-N (mg/L)	00610	0.1	<0.10				0.22	<0.10	0.38	<0.1	0.13

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

Parameter	Parameter Code	Date and 24 hour time						
		9/8/2010	10/20/2010	4/19/2011	6/22/2011	7/27/2011	10/11/2011	
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	
Rainfall (Inches)* within last 7 days		4.51"	0.00"	0.00"	1.34"	0.00"	1.82"	
Flow (cfs)	00061	54	0.6	0	0	dry	dry	
E coli (organisms/100 mL)	31699	1530	88	8	>24200			
pH	00400	7.9	7.9	7.9	7.9			
Temperature (C)	00010	27.2	20	24	25.8			
Dissolved Oxygen (mg/L)	00300	6.4	7.2	5.7	6.6			
Conductivity (umhos/cm)	00094	757	657	1540	953			
Total Phosphorus (mg/L)	00665	0.2	0.09	0.07	0.15			
Nitrate-N (mg/L)	00620	0.06	<0.05	0.08	0.78			
Ammonia-N (mg/L)	00610	0.13	0.12	0.70	0.30			
TKN	00625				1.50			

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











Station name Porter Creek Tributary @ Quail Cove

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20504  
 Monitoring Type Targeted  
 Latitude 30.024378 Longitude -97.822186

Parameter	Parameter Code	New Site				Date and 24 hour time					
		5/13/2008	7/9/2008	8/19/2008	10/13/2008	3/17/2009	9/16/2009	3/16/2010	7/14/2010	9/8/2010	10/20/2010
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Wet	Wet	Wet	Dry		Dry
Rainfall (Inches)* within last 7 days		0.04"	0.44"	1.35"	0.42"	2.47"	4.08"	0.86"	1.64"	4.51"	0.00"
Flow (cfs)	00061	dry	dry	dry	dry	dry	0	0.2	dry	dry	dry
E coli (organisms/100 mL)	31699						3650	40			
pH	00400						7.6	7.2			
Temperature (C)	00010						24.1	13.6			
Dissolved Oxygen (mg/L)	00300						3.2	8.9			
Conductivity (umhos/cm)	00094						314	837			
Total Phosphorus (mg/L)	00665						0.22	0.12			
Nitrate-N (mg/L)	00620						0.7	0.15			
Ammonia-N (mg/L)	00610						0.37	0.125			

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

Parameter	Parameter Code	New Site				Date and 24 hour time					
		4/19/2011	6/22/2011	7/27/2011	10/11/2011						
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry						
Rainfall (Inches)* within last 7 days		0.00"	1.34"	0.00"	1.82"						
Flow (cfs)	00061	dry	dry	dry	dry						
E coli (organisms/100 mL)	31699										
pH	00400										
Temperature (C)	00010										
Dissolved Oxygen (mg/L)	00300										
Conductivity (umhos/cm)	00094										
Total Phosphorus (mg/L)	00665										
Nitrate-N (mg/L)	00620										
Ammonia-N (mg/L)	00610										

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









Station name Richmond Branch at Porters Creek @ Dacy Lane

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20505  
 Monitoring Type Targeted  
 Latitude  
 Longitude

Parameter	Parameter Code	Date and 24 hour time									
		3/19/2008	5/13/2008	7/9/2008	8/19/2008	10/13/2008	2/17/2009	3/17/2009	9/16/2009	7/14/2010	9/8/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		1.00"	0.04"	0.44"	1.35"	0.42"	0.06"	2.47"	4.08"	1.64"	4.51"
Flow (cfs)	00061	1	<0.01	dry	0.04	0	0	0.16	0.1	0.04	4.3
E coli (organisms/100 mL)	31699	6800	690		400	690	64	170	720	370	1260
pH	00400	7.83	7.64		6.7	7.3	7.7	7.6	7.8	7.8	7.7
Temperature (C)	00010	17.7	22.6		28.1	21.5	14.2	15.6	24.5	28.4	26.8
Dissolved Oxygen (mg/L)	00300	9.66	5.54		6.7	3	8.2	8.4	6.6	8	5.1
Conductivity (umhos/cm)	00094	708	837		605	720	900	763	880	760	442
Total Phosphorus (mg/L)	00665	0.12	<0.05		0.06	0.11	<0.05	0.09	0.05	<0.05	0.19
Nitrate-N (mg/L)	00620	0.66	0.06		0.07	0.07	<0.05	0.81	1.01	0.14	3.89
Ammonia-N (mg/L)	00610	<0.10	<0.10		<0.10	0.21	0.18	<0.10	0.13	0.13	0.25

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

Parameter	Parameter Code	Date and 24 hour time				Date and 24 hour time
		10/20/2010	4/19/2011	6/22/2011	7/27/2011	10/11/2011
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		0.00"	0.00"	1.34"	0.00"	1.82"
Flow (cfs)	00061	<0.01	0	1.1	dry	dry
E coli (organisms/100 mL)	31699	140	53	18600		
pH	00400	7.6	7.6	7.9		
Temperature (C)	00010	20.5	22.7	23.2		
Dissolved Oxygen (mg/L)	00300	5.2	0.7	6.5		
Conductivity (umhos/cm)	00094	918	1050	341		
Total Phosphorus (mg/L)	00665	<0.05	0.14	0.43		
Nitrate-N (mg/L)	00620	0.14	0.18	1.40		
Ammonia-N (mg/L)	00610	0.15	0.20	0.76		
TKN	00625		1.22	2.56		
Suspended Solids	00530		12.4	1330		

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











Station name Salt Branch at Salt Flat Rd (upstrm of Luling WWTF)

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20501  
 Monitoring Type Targeted  
 Latitude 29.687082 Longitude -97.640094

Parameter	Parameter Code	Date and 24 hour time									
		3/12/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	10/5/2009
Weather Conditions-Wet or Dry		1135	951	1055	1106	1021	1007	1049	1118	1041	1210
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet
		1.89"	0.03"	0.67"	1.06"	0.42"	0.85"	2.47"	1.63"	4.19"	1.01"
Flow (cfs)	00061	0.04	0	dry	0	0	0	0	1.6	0	5
E coli (organisms/100 mL)	31699	440	110		13800	>4840	1680	1500	6130	350	3650
pH	00400	7.4	7.6		6.9	7.7	7	7.5	7.3	7.4	7.6
Temperature (C)	00010	13.2	19.1		25.8	21.8	12.3	11.2	20.6	23.1	23.9
Dissolved Oxygen (mg/L)	00300	2.68	2.8		1.4	1.8	2	5	6.7	2.8	5.8
Conductivity (umhos/cm)	00094	1326	3460		1210	1100	950	741	700	565	272
Total Phosphorus (mg/L)	00665	0.38	0.77		0.7	4.13	0.64	0.28	0.4	0.35	0.35
Nitrate-N (mg/L)	00620	0.10	0.57		0.07	<0.05	<0.05	0.46	0.3	1.33	0.29
Ammonia-N (mg/L)	00610	0.27	1.76		0.23	24	0.48	0.16	0.21	0.16	0.32

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

Parameter	Parameter Code	Date and 24 hour time							
		5/18/2010	7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011	
Weather Conditions-Wet or Dry		946	1026	1050	1155	1010	951	1113	
Rainfall (Inches)* within last 7 days		Wet	Dry	Dry	Dry	Dry	Dry	Wet	
		1.01"	1.64"	0.00"	0.00"	0.00"	0.00"	1.82"	
Flow (cfs)	00061	2.6	<0.01	8	Dry	0	Dry	0	
E coli (organisms/100 mL)	31699	2040	70	24200		490		3170	
pH	00400	7.4	7.5	8.1		7.6		7.7	
Temperature (C)	00010	22	26.2	24.8		19.2		21.8	
Dissolved Oxygen (mg/L)	00300	5.3	3.4	7.3		1.9		1.3	
Conductivity (umhos/cm)	00094	578	1440	107		6600		540	
Total Phosphorus (mg/L)	00665	0.35	0.34	0.31		0.45		0.32	
Nitrate-N (mg/L)	00620	0.26	0.23	0.19		0.28		0.13	
Ammonia-N (mg/L)	00610	0.17	0.23	0.14		0.56		0.12	
TKN	00625							1.12	
Total Suspended Solids	00530							13.3	

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











Station name Salt Branch at FM 1322

TCEQ Segment No. 1810  
 TCEQ Station Id No. 12555  
 Monitoring Type Targeted  
 Latitude 29.676201 Longitude -97.624745

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/18/2010
Weather Conditions (Wet or Dry)		1005 Wet	0922 Dry	1049 Dry	1050 Wet	1000 Dry	943 Dry	1115 Wet	1038 Wet	951 Wet	1017 Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.35"	0.42"	0.85"	2.47"	1.63"	4.19"	1.01"
Flow (cfs)	00061	<0.01	<0.01	<0.01	3.7	<0.01	0.18	0.36	9.5	0.2	10
E coli (organisms/100 mL)	31699	100	17	120	11000	690	140	2190	9800	320	9210
pH	00400	7.42	7.4	7.3	7.5	7.1	7.7	7.6	7.4	7.2	7.6
Temperature (C)	00010	15.7	21.6	25.6	24.8	22.4	14.4	12.7	19.6	23.4	22.1
Dissolved Oxygen (mg/L)	00300	5.56	2.7	2.1	4.3	5	9.3	5	11.1	2.9	5.6
Conductivity (umhos/cm)	00094	3516	1500	1000	476	972	1060	806	1140	1940	715
Total Phosphorus (mg/L)	00665	0.98	3.45	2.36	0.84	3.28	3.37	1.56	0.24	1.49	0.45
Nitrate-N (mg/L)	00620	0.52	0.08	0.14	0.23	11.1	9.84	2.12	1.36	0.47	0.52
Ammonia-N (mg/L)	00610	0.17	0.21	0.67	0.64	0.17	0.22	0.21	0.25	0.6	0.24

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

Parameter	Parameter Code	Date and 24 hour time					
		7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		1005 Dry	1121 Wet	1137 Dry	1046 Dry	1021 Dry	1144 Wet
Rainfall (Inches)* within last 7 days		1.64"	3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	0.3	3.4	<0.01	<0.01	0.2	0.1
E coli (organisms/100 mL)	31699	150	13000	160	84	55	930
pH	00400	7.5	7.5	7.7	7.6	7.4	7.5
Temperature (C)	00010	27.5	25.1	19.3	20	27	22.1
Dissolved Oxygen (mg/L)	00300	5.2	8.6	5.9	5.5	3.3	3.5
Conductivity (umhos/cm)	00094	1350	902	1170	1190	959	1000
Total Phosphorus (mg/L)	00665	1.93	3.69	4.02	3.57	3.63	2.95
Nitrate-N (mg/L)	00620	1.25	3.24	7.76	14.6	5.00	4.59
Ammonia-N (mg/L)	00610	0.21	0.21	2.59	0.33	0.30	0.54
TKN	00625				1.26	1.34	1.63
Suspended Solids	00530				7	67.5	9.20

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









Station name 14431-001 Shadow Creek

TCEQ Segment No. 1810  
 TCEQ Station Id No. 99936  
 Monitoring Type Wastewater effluent  
 Latitude 30.056882 Longitude -97.835838

Parameter	Parameter Code	Date and 24 hour time									
		5/13/2008	8/13/2008	11/04/2008	2/25/2009	4/26/2011	5/31/2011	6/14/2011	7/19/2011	8/16/2011	9/20/2011
Rainfall (Inches)* within last 7 days		1227 0.04"	1147 0.03"	1205 0.02"	1126 0.00"	1255 0.00"	1357 0.00"	1239 0.00"	1417 0.00"	1336 0.00"	1424 0.00"
Flow (cfs)	00061	0.14	3	0.29	0.08	0.2	0	0	0.1	0.09	0.1
E coli (organisms/100 mL)	31699	<1	<1	16	<1	<1	<1	<1	1300	<1	<1
Suspended Solids (mg/L)	00530	<1.0	1.3	1.3	1.7	3.70	1.40	1.30	1.20	0.60	<1.25
pH	00400	7.94	7.7	7.8	7.8	7.9	7.8	7.9	7.9	7.8	7.8
Temperature (C)	00010	24.7	29.4	25.4	21	26.3	29	29.2	31.7	30.7	28.9
Dissolved Oxygen (mg/L)	00300	8.23	6.8	8.2	9.2	7.8	7.6	7.3	7.2	7.0	7.6
Conductivity (umhos/cm)	00094	1358	1390	1370	1330	1340	1330	1430	1330	1200	1180
Total Phosphorus (mg/L)	00665	0.43	0.38	0.43	0.29	0.24	0.10	0.34	0.38	0.28	1.14
Nitrate-N (mg/L)	00620	0.52	10.7	13	12.3	15.8	6.84	9.88	13.2	2.55	3.76
Chloride (mg/L)	00940	191	197	X	192	188	184	214	200	171	164
Sulfate (mg/L)	00945	137	173	X	124	191	125	136	123	81	74.4
Ammonia-N (mg/L)	00610	6.01	<0.2	<0.20	<0.20	<0.20	5.48	<0.20	<0.20	2.91	1.53
BOD (mg/L)	00310	2.7	<2.1	<2.1	<2.1		1	1	<1	<1	<1
CBOD (mg/L)	00310	3.1	<2.1	<2.1	2		3	1	12	1	<1
COD (mg/L)	00335	35.8	<20	41.4	<0.20		22.1	10.9	<10.0	10.9	<10.0
TKN	00625						6	0.96	1.20	4.17	2.47

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

Parameter	Parameter 10/18/2011	
	Code	1402
Rainfall (Inches)* within last 7 days		0.00"
Flow (cfs)	00061	0.2
E coli (organisms/100 mL)	31699	1
Suspended Solids (mg/L)	00530	1.20
pH	00400	7.6
Temperature (C)	00010	26.0
Dissolved Oxygen (mg/L)	00300	8.7
Conductivity (umhos/cm)	00094	1200
Total Phosphorus (mg/L)	00665	0.59
Nitrate-N (mg/L)	00620	9.16
Chloride (mg/L)	00940	165
Sulfate (mg/L)	00945	96.0
Ammonia-N (mg/L)	00610	0.93
BOD (mg/L)	00310	<1
CBOD (mg/L)	00310	<1
COD (mg/L)	00335	19.3
TKN	00625	1.76

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











Station name 14377-001 GBRA Sunfield WWTP

TCEQ Segment No. 1810  
 TCEQ Station Id No. 99937  
 Monitoring Type Wastewater effluent  
 Latitude  
 Longitude

Parameter	Parameter Code	Date and 24 hour time							
		4/26/2011	5/31/2011	6/14/2011	7/19/2011	8/16/2011	9/20/2011	10/18/2011	
Rainfall (Inches)* within last 7 days		1425 0.00"	1337 0.00"	1204 0.00"	1359 0.00"	1320 0.00"	1359 0.00"	1341 0.00"	
Flow (cfs)	00061	0.06	0	0.1	0.3	0.02	0.2	0.2	
E coli (organisms/100 mL)	31699	<1	<1	<1	<1	<1	<1	<1	
Suspended Solids (mg/L)	00530	3.60	1.10	2.50	1.00	1.20	1.33	1	
pH	00400	7.4	7.5	7.5	7.7	7.6	7.7	7.7	
Temperature (C)	00010	25.7	27.1	27.3	29.4	28.9	26.2	21.0	
Dissolved Oxygen (mg/L)	00300	7.9	7.9	7.2	7.4	7.5	8.5	9.3	
Conductivity (umhos/cm)	00094	1180	1150	1210	1270	1100	1160	1150	
Total Phosphorus (mg/L)	00665	0.45	0.33	0.36	0.38	0.43	0.45	0.45	
Nitrate-N (mg/L)	00620	63.5	55.2	56.5	52.5	50	53.5	51.5	
Chloride (mg/L)	00940	81.9	80.5	83.7	105	68.8	84.8	0.78	
Sulfate (mg/L)	00945	190	177	185	184	154	176	154	
Ammonia-N (mg/L)	00610	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
BOD (mg/L)	00310		3	4	20	<1	<1	<1	
CBOD (mg/L)	00310		3	4	21	<1	<1	<1	
COD (mg/L)	00335		27.9	<10.0	<10.0	<10.0	<10.0	10.9	
TKN	00625		0.71	0.61	0.80	0.85	0.24	0.44	

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











Station name Tenney Creek at Tenney Creek Road

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20496  
 Monitoring Type Targeted  
 Latitude 29.796080 Longitude -97.562103

Parameter	Code	Date and 24 hour time									
		3/12/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	3/16/2009	4/28/2009	9/15/2009	10/5/2009	3/16/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.89"	0.03"	0.67"	1.06"	0.42"	2.47"	1.63"	4.19"	1.01"	0.86"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	dry	0	0
E coli (organisms/100 mL)	31699									960	<10
pH	00400									7.9	7.4
Temperature (C)	00010									23	15.2
Dissolved Oxygen (mg/L)	00300									6.9	4.8
Conductivity (umhos/cm)	00094									141	766
Total Phosphorus (mg/L)	00665									0.65	0.36
Nitrate-N (mg/L)	00620									0.47	0.2
Ammonia-N (mg/L)	00610									0.12	<0.1

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

Parameter	Code	Date and 24 hour time						
		5/18/2010	7/13/2010	9/7/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		1.01"	1.64"	3.73"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	2	dry	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	520						
pH	00400	7.8						
Temperature (C)	00010	23.5						
Dissolved Oxygen (mg/L)	00300	6.8						
Conductivity (umhos/cm)	00094	212						
Total Phosphorus (mg/L)	00665	0.32						
Nitrate-N (mg/L)	00620	0.16						
Ammonia-N (mg/L)	00610	0.18						

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









Station name Town Creek at Market Street

TCEQ Segment No. 1810  
 TCEQ Station Id No. 12557  
 Monitoring Type Targeted  
 Latitude 29.885462 Longitude -97.665213

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/19/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	5/18/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.35"	0.42"	0.50"	2.47"	1.63"	4.19"	1.01"
Flow (cfs)	00061	1.3	0.84	0.74	2.3	0.7	0.54	0.66	0.54	0.2	1.3
E coli (organisms/100 mL)	31699	110	160	220	16000	340	140	70	270	560	310
pH	00400	7.98	8	7.9	7.9	7.9	8	8	8	7.9	7.9
Temperature (C)	00010	18.7	20.6	26.4	25.3	23.9	16	20.1	22.7	25.1	23.6
Dissolved Oxygen (mg/L)	00300	10.3	9.1	9.9	8	8.7	11.9	11	10.3	7.5	7.5
Conductivity (umhos/cm)	00094	870	763	816	454	790	802	780	695	885	824
Total Phosphorus (mg/L)	00665	0.08	<0.05	0.05	0.18	<0.05	0.07	0.05	0.07	0.08	0.06
Nitrate-N (mg/L)	00620	10.3	0.69	8.01	3.9	9.58	10.4	8.88	7.06	9.32	8.24
Ammonia-N (mg/L)	00610	<0.10	0.13	<0.10	<0.10	0.1	0.21	<0.10	<0.10	0.12	0.13

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

Parameter	Parameter Code	Date and 24 hour time					
		7/13/2010	9/8/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		1.64"	4.51"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	1.1	1.6	0.8	0.6	0.5	1.3
E coli (organisms/100 mL)	31699	330	7700	170	460	390	860
pH	00400	8	7.8	8.1	8.1	8.1	7.7
Temperature (C)	00010	26.9	25.5	22.6	22.9	26	23.1
Dissolved Oxygen (mg/L)	00300	9.1	10.4	8.8	10.3	4.6	6.8
Conductivity (umhos/cm)	00094	437	643	791	255	783	700
Total Phosphorus (mg/L)	00665	0.06	0.15	0.05	0.07	0.05	0.07
Nitrate-N (mg/L)	00620	9.3	6.49	12.4	11.3	10.5	7.40
Ammonia-N (mg/L)	00610	<0.10	0.12	0.17	0.24	0.24	0.14
TKN	00625					0.24	0.56
Total Suspended Solids	00530						12.0

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











Station name Town Creek west of Lockhart

TCEQ Segment No. 1810  
 TCEQ Station Id No. 16709  
 Monitoring Type Targeted  
 Latitude 29.892423 Longitude -97.691030

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	3/16/2009	4/28/2009	9/15/2009	10/5/2009	3/16/2010
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Wet	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.06"	0.42"	2.47"	1.63"	4.19"	1.01"	0.86"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	dry	dry	0	0
E coli (organisms/100 mL)	31699									60	<10
pH	00400									7.6	6.4
Temperature (C)	00010									25.8	13.3
Dissolved Oxygen (mg/L)	00300									6.4	11.2
Conductivity (umhos/cm)	00094									152	248
Total Phosphorus (mg/L)	00665									0.93	0.15
Nitrate-N (mg/L)	00620									0.62	0.05
Ammonia-N (mg/L)	00610									0.15	<0.1

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

Parameter	Parameter Code	Date and 24 hour time						
		5/18/2010	7/13/2010	9/9/2010	10/19/2010	4/18/2011	6/21/2011	10/11/2011
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Dry	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		1.01"	1.64"	4.51"	0.00"	0.00"	0.00"	1.82"
Flow (cfs)	00061	<0.01	dry	0	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	120		>24200				
pH	00400	7.7		7.5				
Temperature (C)	00010	22.2		27.3				
Dissolved Oxygen (mg/L)	00300	4.3		9.4				
Conductivity (umhos/cm)	00094	327		335				
Total Phosphorus (mg/L)	00665	0.48		0.83				
Nitrate-N (mg/L)	00620	3.14		<0.05				
Ammonia-N (mg/L)	00610	0.51		0.11				

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









Station name Unnamed Tributary @ FM 150

TCEQ Segment No. 1810  
TCEQ Station Id No. 20479  
Monitoring Type

Parameter	Date and 24 hour time Parameter Code	4/19/2011	6/22/2011	10/11/2011
		959	954	1416
Weather Conditions (Wet or Dry)		Dry	Wet	Dry
Rainfall (Inches)* within last 7 days		0.00"	1.34"	1.82"
=====				
Flow (cfs)	00061	dry	dry	dry
E coli (organisms/100 mL)	31699			
pH	00400			
Temperature (C)	00010			
Dissolved Oxygen (mg/L)	00300			
Conductivity (umhos/cm)	00094			
Total Phosphorus (mg/L)	00665			
Nitrate-N (mg/L)	00620			
Ammonia-N (mg/L)	00610			

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











Station name West Fork Plum Creek at Biggs Rd (CR131)  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20500  
 Monitoring Type Routine  
 Latitude 29.699616 Longitude -97.611752

Parameter	Parameter Code	Date and 24 hour time									
		2/18/2008	3/12/2008	4/9/2008	5/7/2008	6/11/2008	7/3/2008	8/6/2008	8/19/2008	9/9/2008	10/07/2008
Weather Conditions (Wet or Dry)		Wet	Wet	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry
Rainfall (Inches)* within last 7 days		1.12"	1.89"	0.11"	0.28"	0.19"	0.44"	0.00"	1.35"	0.15"	0.42"
Flow (cfs)	00061	<0.01	<0.01	<0.01	0	0	0	0	0	0	0
E coli (organisms/100 mL)	31699	351	10	27	28	44	55	9	2500	27	49
Suspended Solids (mg/L)	00530	110	60	36.7	37.5	97	78	62.8		70	410
Turbidity (NTU)	82079	67.8	37.5	29.7	38.6	169	147	177		269	1193
pH	00400	7.84	8.31	7.86	8.2	8.31	8.7	9		8.5	8.7
Temperature (C)	00010	14.6	13.8	23.3	23.4	28.3	25.3	27.6		24.5	26.8
Dissolved Oxygen (mg/L)	00300	2.83	8.67	0.61	1.4	4.5	2.6	7.2		5.4	1.3
Conductivity (umhos/cm)	00094	2541	2484	3060	3250	4295	5870	6630		2160	3700
Total Phosphorus (mg/L)	00665	0.25	0.38	0.43	0.49	1.06	1.02	1.38		0.84	0.76
Nitrate-N (mg/L)	00620	0.1	0.39	0.44	0.44	<0.05	1.06	1.03		0.32	<0.05
Chloride (mg/L)	00940	456	415	418	565	788	1309	681			775
Sulfate (mg/L)	00945	18.3	20.9	18	6.35	5.36	11.1	21.2			38.1
Total Hardness (mg/L)	00900	185	143	148	145	141	125	105			106
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	0.42	0.3	0.27		<0.10	0.98
Chlorophyll a (mg/m <sup>3</sup> )	32211	30	3	52.6	31	23	70.6	241			94.2
Pheophytin (mg/m <sup>3</sup> )	32218	9.3	2.7	16.5	9.9	14	25.7	68			16.1

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

Parameter	Parameter Code	Date and 24 hour time									
		11/12/2008	12/04/2008	1/7/2009	2/04/2009	3/10/2009	3/16/2009	4/28/2009	5/5/2009	6/3/2009	7/6/2009
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Dry	Wet	Wet	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.02"	0.06"	0.00"	0.00"	0.00"	2.47"	1.63"	0.03"	0.08"	0.37"
Flow (cfs)	00061	dry	dry	dry	dry	dry	dry	0.24	0	0	0
E coli (organisms/100 mL)	31699							1050	11	1	16
Suspended Solids (mg/L)	00530							73.5	17.5	60	21
Turbidity (NTU)	82079							41.6	12	46.8	25.5
pH	00400							7.4	7.5	7.8	8.6
Temperature (C)	00010							21.4	25.8	27.1	30.6
Dissolved Oxygen (mg/L)	00300							4.3	2.7	4.8	5.1
Conductivity (umhos/cm)	00094							964	668	1590	1350
Total Phosphorus (mg/L)	00665							0.5	0.65	0.63	0.47
Nitrate-N (mg/L)	00620							0.06**	<0.05	<0.05	<0.05
Chloride (mg/L)	00940							182	173	254	412**
Sulfate (mg/L)	00945							31.4	21.1	4.23	5.1**
Total Hardness (mg/L)	00900							133	128	158	106
Ammonia-N (mg/L)	00610							0.1	<0.10	<0.10	0.22
Chlorophyll a (mg/m <sup>3</sup> )	32211							20.3	22.1	89.5	17.6
Pheophytin (mg/m <sup>3</sup> )	32218							1.9	4.4	26.5	6.8

\*\*Analysis results from sample run outside of prescribed holding time.

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

Parameter	Parameter Code	Date and 24 hour time									
		8/3/2009	9/3/2009	9/15/2009	10/5/2009	11/4/2009	12/1/2009	1/12/2010	2/3/2010	3/10/2010	4/14/2010
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Wet	Dry	Wet	Dry	Wet	Wet	Dry
Rainfall (Inches)* within last 7 days		0.17"	0.00"	4.19"	1.01"	0.06"	1.35"	0.02"	2.08"	0.12"	0.00"
Flow (cfs)	00061	dry	dry	0	85	<0.01	1.3	<0.01	0.33	0.02	<0.01
E coli (organisms/100 mL)	31699			910	1860	60	47	6	100	91	79
Suspended Solids (mg/L)	00530			439	137	12.3	39.7	9.7	30	19	82
Turbidity (NTU)	82079			1543	161	32.4	39.9	11.7	29.2	9.6	72.9
pH	00400			8.2	7.8	7.6	7.4	7.8	7.7	7.7	8
Temperature (C)	00010			24.2	23.9	15.8	11.9	7.7	10.3	18.4	21
Dissolved Oxygen (mg/L)	00300			4.1	6.7	5.6	5.6	12.8	10	8.6	6.7
Conductivity (umhos/cm)	00094			224	211	473	710	1920	1620	2820	3500
Total Phosphorus (mg/L)	00665			0.55	0.35	0.39	0.21	0.1	0.14	0.08	0.46
Nitrate-N (mg/L)	00620			1.36	0.88	0.06	0.098	0.26	0.27	0.42	0.06
Chloride (mg/L)	00940			8.38	6.45	0.4	96	328	247	488	635
Sulfate (mg/L)	00945			10.3	9.41	12.3	25.8	50.7	45.9	78.8	52.7
Total Hardness (mg/L)	00900			284	92.5	120	151	250	199	257	270
Ammonia-N (mg/L)	00610			0.36	0.1	0.56	0.4	<0.10	<0.10	<0.10	0.1
Chlorophyll a (mg/m <sup>3</sup> )	32211			1.2	1.1	<1.0	2.2	22.4	46.3	9.6	121
Pheophytin (mg/m <sup>3</sup> )	32218			<1.0	<1.0	<1.0	3.1	3	15.5	3.3	30.7

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

Station name West Fork Plum Creek at Biggs Rd (CR131)  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20500  
 Monitoring Type Routine  
 Latitude 29.699616 Longitude -97.611752

Parameter	Parameter Code	Date and 24 hour time									
		5/4/2010	6/16/2010	7/6/2010	8/3/2010	9/1/2010	9/8/2010	10/7/2010	11/15/2010	12/2/2010	1/24/2011
Weather Conditions (Wet or Dry)		Dry	Wet	Wet	Wet	Dry	Wet	Dry	Dry	Dry	Dry
Rainfall (Inches)* within last 7 days		0.00"	2.27"	2.44"	1.21"	0.03"	4.51"	0.00"	0.42"	0.01"	0.00"
Flow (cfs)	00061	<0.01	<0.01	0	0	0	<0.01	0	0	0	<0.01
E coli (organisms/100 mL)	31699	160	36	18	690	240	1420	65	190	6	240
Suspended Solids (mg/L)	00530	28.7	36.7	18.7	115	38		30	54	14.4	16.5
Turbidity (NTU)	82079	25.4	30.3	24.8	113	106		50.9	188	123	53.2
pH	00400	7.8	7.8	7.5	7.8	8.6		7.6	8.3	7.7	8.1
Temperature (C)	00010	22.7	33.7	32.4	28.8	32.7	26.1	17.5	14	7.1	7.2
Dissolved Oxygen (mg/L)	00300	6.7	5.6	7.4	5.9	11.4	6.6	7.9	3.5	5.6	10.2
Conductivity (umhos/cm)	00094	2190	610	955	1310	1900	901	1480	1210	1870	2400
Total Phosphorus (mg/L)	00665	0.2	0.33	0.28	0.4	0.66	0.28	0.14	0.29	0.31	0.27
Nitrate-N (mg/L)	00620	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	0.18	0.12	<0.05	0.32
Chloride (mg/L)	00940	332	60.9	143	118	353		224	176	275	407
Sulfate (mg/L)	00945	37.4	15.8	7.62	5.89	5.17		19.1	46.1	41.2	54.5
Total Hardness (mg/L)	00900	219	146	142	152	126		114	151	168	179
Ammonia-N (mg/L)	00610	<0.10	0.14	<0.10	0.1	0.18	<0.10	0.14	<0.10	0.31	0.1
Chlorophyll a (mg/m <sup>3</sup> )	32211	8.2	3.1	5.1	5.3	33.9		8.5	15.2	<1.0	34.3
Pheophytin (mg/m <sup>3</sup> )	32218	4.3	5.9	6.5	11.9	21.4		3.5	<1	1.3	2.7
TKN	00625										

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

Parameter	Parameter Code	Date and 24 hour time								
		4/18/2011	5/13/2011	6/2/2011	7/12/2011	8/1/2011	9/13/2011	10/10/2011	11/07/11	12/06/11
Weather Conditions (Wet or Dry)		Dry	Wet	Dry	Dry	Dry	Dry	Wet	Dry	Wet
Rainfall (Inches)* within last 7 days		0.00"	1.73"	0.00"	0.00"	0.05"	0.00"	1.82"	0.01"	2.09"
Flow (cfs)	00061	0	0	0	0	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	30	420	79	3					
Suspended Solids (mg/L)	00530	26.3	30.3	42.5	20					
Turbidity (NTU)	82079	41.3	59.8	73.4	44.7					
pH	00400	8.3	8.6	8.6	9.2					
Temperature (C)	00010	22	28.3	28.3	29.3					
Dissolved Oxygen (mg/L)	00300	4.5	7.8	4	4.8					
Conductivity (umhos/cm)	00094	3500	4400	5750	6540					
Total Phosphorus (mg/L)	00665	0.27	0.37	0.28	0.06					
Nitrate-N (mg/L)	00620	0.48	0.19	0.52	0.43					
Chloride (mg/L)	00940	891	969	1384	<1.0					
Sulfate (mg/L)	00945	10.8	13.6	11.4	92.6					
Total Hardness (mg/L)	00900	160	115	137	67.1					
Ammonia-N (mg/L)	00610	0.20	0.12	<0.10	0.14					
Chlorophyll a (mg/m <sup>3</sup> )	32211	20.2	45.4	26.3	15.3					
Pheophytin (mg/m <sup>3</sup> )	32218	9.3	<1	4.9	1.7					
TKN	00625	6.2	2.56	3.90	4.40					

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













Station name West Fork Plum Creek at FM 671

TCEQ Segment No. 1810  
 TCEQ Station Id No. 20497  
 Monitoring Type Targeted  
 Latitude 29.782009 Longitude -97.681234

Parameter	Parameter Code	Date and 24 hour time									
		3/13/2008	5/12/2008	7/7/2008	8/18/2008	10/13/2008	2/16/2009	3/16/2009	4/28/2009	9/15/2009	11/23/2009
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Wet	Dry	Dry	Wet	Wet	Wet	Wet
Rainfall (Inches)* within last 7 days		1.80"	0.03"	0.67"	1.06"	0.42"	0.50"	2.47"	1.63"	4.19"	1.43"
Flow (cfs)	00061	0.08	dry	dry	dry	dry	dry	dry	dry	dry	1.1
E coli (organisms/100 mL)	31699	1200									760
pH	00400	7.49									7.7
Temperature (C)	00010	16.4									15.4
Dissolved Oxygen (mg/L)	00300	5.34									10.1
Conductivity (umhos/cm)	00094	2306									380
Total Phosphorus (mg/L)	00665	0.05									0.15
Nitrate-N (mg/L)	00620	<0.05									0.75
Ammonia-N (mg/L)	00610	<0.10									0.41

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

Parameter	Parameter Code	Date and 24 hour time								
		3/16/2010	5/18/2010	7/13/2010	9/8/2010	10/19/2010	4/18/2011	6/21/2011	10/10/2011	11/14/11
Weather Conditions (Wet or Dry)		Wet	Wet	Wet	Wet	Dry	Dry	Dry	Wet	Dry
Rainfall (Inches)* within last 7 days		0.86"	1.01"	1.64"	4.51"	0.00"	0.00"	0.00"	1.82"	0.01"
Flow (cfs)	00061	0.04	0.1	<0.01	dry	dry	dry	dry	dry	dry
E coli (organisms/100 mL)	31699	770	410	10						
pH	00400	7.3	7.6	7.6						
Temperature (C)	00010	15	24.8	28.5						
Dissolved Oxygen (mg/L)	00300	11.5	5.8	5.6						
Conductivity (umhos/cm)	00094	2470	691	1660						
Total Phosphorus (mg/L)	00665	<0.05	0.2	0.11						
Nitrate-N (mg/L)	00620	0.12	0.31	0.06						
Ammonia-N (mg/L)	00610	<0.1	0.22	<0.10						

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







