

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									
		2/18/08	3/12/08	4/9/08	5/7/08	6/11/08	6/26/08	7/3/08	8/6/08	8/18/08	9/9/08
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 ³)	32211	7	3.7	3.6	2.2						
Pheophytin (mg/m ³)	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									
		10/7/08	11/12/08	12/4/08	1/7/09	2/4/09	3/10/09	3/16/09	5/5/09	6/3/09	7/6/09
Weather Conditions (Wet or Dry)		Dry	Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet
Rainfall (Inches)* within last 7 days		0.42"	0.02"	0.06"	0.00"	0.00"	0.00"	2.47"	0.03"	0.08"	0.37"
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 ³)	32211										
Pheophytin (mg/m ³)	32218										
TKN	00625										

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Parameter	Parameter Code	Date and 24 hour time									
		8/3/09	9/3/09	9/15/09	10/5/09	11/4/09	12/1/09	1/12/10	2/3/10	3/10/10	4/14/10
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	DRY	2	0	0.6	0.06	10.8	0.4	0
E coli (organisms/100 mL)	31699				790	42	29	12	2310	130	10
Suspended Solids (mg/L)	00530				140	7.7	8.7	5	67	7.7	11
Turbidity (NTU)	82079				203	25.8	16.8	7.2	60.4	8	8.8
pH	00400				7.8	7.8	7.8	7.9	7.9	7.9	7.9
Temperature (C)	00010				23.3	15.9	11.5	6.7	9.5	19.1	20.1
Dissolved Oxygen (mg/L)	00300				6.4	6.8	10.5	12.2	11.6	9.8	9
Conductivity (umhos/cm)	00094				230	316	322	392	340	361	483
Total Phosphorus (mg/L)	00665				0.13	0.19	0.2	0.09	0.15	0.06	0.06
Nitrate-N (mg/L)	00620				1.39	0.35	0.159	0.09	0.22	<0.05	<0.05
Chloride (mg/L)	00940				7.87	3.6	6.03	9.91	8.33	9.18	10.1
Sulfate (mg/L)	00945				14.6	21.2	33	39.4	33.6	31.2	38
Total Hardness (mg/L)	00900				104	141	149	182	159	162	216
Ammonia-N (mg/L)	00610				1.04	0.15	0.14	<0.10	<0.10	0.1	0.14
Chlorophyll a (mg/m ³)	32211				1.7		<1.0	<1.0	1.3	4.4	6.3
Pheophytin (mg/m ³)	32218				<1.0		<1.0	<1.0	<1.0	<1.0	1.4
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		5/4/10	6/16/10	7/6/10	8/3/10	9/1/10	9/8/10	10/7/10	11/15/10	12/2/10	1/24/11
Rainfall (Inches)* within last 7 days	Dry	0.00"	Wet	Wet	Wet	Dry	Wet	Dry	Dry	Dry	Dry
Flow (cfs)	00061	0	0.5	0	0	0	0	0	DRY	DRY	0
E coli (organisms/100 mL)	31699	10	61	77	190	12	14000	10			11
Suspended Solids (mg/L)	00530	13	13.3	20	77.7	44.5		7.4			5
Turbidity (NTU)	82079	18.4	9.5	20	49.8	81.6		10.3			8.6
pH	00400	8	8.1	7.8	7.9	7.7	7.9	7.6			7.6
Temperature (C)	00010	19.2	31.9	30.1	27.6	29.9	25.7	16.5			7.4
Dissolved Oxygen (mg/L)	00300	6.3	8.4	5.7	6.5	5.4	9.8	6.7			6.1
Conductivity (umhos/cm)	00094	470	354	204	413	411	177	430			473
Total Phosphorus (mg/L)	00665	0.09	0.14	0.12	0.19	0.13	0.2	0.1			0.13
Nitrate-N (mg/L)	00620	<0.05	<0.05	<0.05	<0.05	<0.05	0.18	0.09			0.10
Chloride (mg/L)	00940	9.21	7.82	6.69	10.9	14.1		6.51			13.9
Sulfate (mg/L)	00945	21.7	26.8	14.6	17.6	24.4		33.4			33.9
Total Hardness (mg/L)	00900	195	157	186	206	183		197			220
Ammonia-N (mg/L)	00610	0.19	0.14	<0.10	0.19	0.57	0.11	0.27			0.13
Chlorophyll a (mg/m ³)	32211	13	4.9	8.9	14.6	10		1.7			14.5
Pheophytin (mg/m ³)	32218	2.4	8.6	8.8	13.6	6.3		<1.0			<1.0
TKN	00625										

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Parameter	Parameter Code	Date and 24 hour time									
		4/18/11	5/13/11	6/2/11	7/12/11	8/1/11	9/13/11	10/11/11	11/7/11	12/6/11	1/10/12
Rainfall (Inches)* within last 7 days	Dry	0.00"	Wet	Dry	Dry	Dry	Dry	Wet	Dry	Wet	Dry
Flow (cfs)	00061	0	DRY	DRY	DRY	DRY	DRY	DRY	DRY	0	0
E coli (organisms/100 mL)	31699	4								1550	130
Suspended Solids (mg/L)	00530	47								73.3	6
Turbidity (NTU)	82079	25.5								177	17.8
pH	00400	7.8								7.8	8.1
Temperature (C)	00010	23.4								9.2	12.7
Dissolved Oxygen (mg/L)	00300	6.7								8.8	4.6
Conductivity (umhos/cm)	00094	679								162	283
Total Phosphorus (mg/L)	00665	0.14								0.16	0.09
Nitrate-N (mg/L)	00620	0.14								0.22	0.06
Chloride (mg/L)	00940	20.4								2.25	2.01
Sulfate (mg/L)	00945	67.8								3.57	3.34
Total Hardness (mg/L)	00900	322								90	135
Ammonia-N (mg/L)	00610	0.82								0.10	0.18
Chlorophyll a (mg/m ³)	32211	23.3								5.9	<1.0
Pheophytin (mg/m ³)	32218	11.3								<1.0	<1.0
TKN	00625	1.78								0.59	0.65

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		1/31/12	2/13/12	3/6/12	4/4/12	5/2/12	6/14/12	7/10/12	7/16/12	8/14/12	9/5/12
Rainfall (Inches)* within last 7 days	Wet	6.52"	Wet	Wet	Wet	Dry	Dry	Dry	Wet	Dry	Dry
Flow (cfs)	00061		4.7	0.6	3.6	0.0	0.0	0.0	<0.01	0	DRY
E coli (organisms/100 mL)	31699	1610	100	51	280	22	27	690	90	93	
Suspended Solids (mg/L)	00530	182	38.8	14.6	35.6	54.3	31.0	101	18.2	24.8	
Turbidity (NTU)	82079	43.3	43.3	14.8	51.4	35.8	18.1	70.6		17.1	
pH	00400	7.9	8.0	8.0	7.8	8.0	7.7	7.8	7.7	7.3	
Temperature (C)	00010	14.8	11.5	16.7	24.3	24.5	26.7	25.8	28.7	27.3	
Dissolved Oxygen (mg/L)	00300	8.8	9.8	8.2	5.8	8.5	3.8	2.2	7.3	2.7	
Conductivity (umhos/cm)	00094	215	266	376	352	470	489	450	316	490	
Total Phosphorus (mg/L)	00665	0.22	0.10	0.09	0.17	0.27	0.12	0.22	0.11	0.12	
Nitrate-N (mg/L)	00620	0.54	0.22	<0.05	0.31	<0.05	0.18	0.05	0.11	0.18	
Chloride (mg/L)	00940		4.57	5.75	5.34	6.52	6.78	7.60		6.8	
Sulfate (mg/L)	00945		24.4	35.7	35	21.2	13.5	13.2		9.7	
Total Hardness (mg/L)	00900		118	165	146	215	226	213		218	
Ammonia-N (mg/L)	00610	0.66	0.28	0.34	0.20	0.31	0.26	0.49	0.14	0.2	
Chlorophyll a (mg/m ³)	32211		1.3	7.6	2.3	86.2	32.9	69.6		23.5	
Pheophytin (mg/m ³)	32218		5.4	<1.0	<1.0	61.7	15.6	37.9		13.1	
TKN	00625	0.98	0.79	0.96	1.20	2.05	1.69	2.48	1.14	1.47	

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		10/1/12	12/18/12	1/15/13	2/4/13	2/19/13	3/20/13	4/3/13	6/5/13	7/2/13	8/7/2013
Rainfall (Inches)* within last 7 days		1.97"	0.45"	1.92"	0.02"	0.00"	0.29"	3.02"	.08"	.55"	0.00"
Flow (cfs)	00061	0	DRY	0	DRY	DRY	DRY	0.0	DRY	DRY	DRY
E coli (organisms/100 mL)	31699	790		84				>2400			
Suspended Solids (mg/L)	00530	48		31.5				166			
Turbidity (NTU)	82079	58		43.3				201			
pH	00400	8		7.7				8.0			
Temperature (C)	00010	21.9		8.6				16.2			
Dissolved Oxygen (mg/L)	00300	3.6		4				6.8			
Conductivity (umhos/cm)	00094	234		233				193			
Total Phosphorus (mg/L)	00665	0.17		0.11				0.22			
Nitrate-N (mg/L)	00620	0.08		<0.05				0.59			
Chloride (mg/L)	00940	1.78		2.85				2.67			
Sulfate (mg/L)	00945	10.8		12.1				6.05			
Total Hardness (mg/L)	00900	94.6		97.6				108			
Ammonia-N (mg/L)	00610	0.24						0.38			
Chlorophyll a (mg/m ³)	32211	<1		<1.00				<1.0			
Pheophytin (mg/m ³)	32218	79.6		13.3				<1.0			
TKN	00625	0.61						0.83			

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Parameter	Parameter Code	Date and 24 hour time									
		9/10/13	9/24/13	#####	11/18/13	12/4/13	01/13/14	2/5/14	3/10/14	4/9/14	5/8/14
Rainfall (Inches)* within last 7 days		0.23"	2.97"	1.95"	0.0"	0.67"	0.41"	0.21"	0.88"	0.44"	0.0"
Flow (cfs)	00061	Dry	0.0	<0.01	12	0.9	<0.01	0.00	0.00	0.00	Dry
E coli (organisms/100 mL)	31699		260	5	53	120	47	460	>2400	86	
Suspended Solids (mg/L)	00530		16.0	2.70	112	14.7	11.4	17.2	11.4	19.2	
Turbidity (NTU)	82079		49.2	16.2	44.0	18.6	10.6	15.3	32.1	16.5	
pH	00400		7.9	7.7	8.0	7.7	7.7	7.8	7.7	8.0	
Temperature (C)	00010		23.1	24.6	20.1	15.1	12.3	9.4	13.0	19.0	
Dissolved Oxygen (mg/L)	00300		3.6	3.0	8.4	6.7	8.2	10.2	7.8	6.9	
Conductivity (umhos/cm)	00094		193	237	215	314	386	429	438	533	
Total Phosphorus (mg/L)	00665		0.21	0.25	0.13	0.11	0.13	0.09	0.06	0.07	
Nitrate-N (mg/L)	00620		0.26	0.19	<0.05	0.13	<0.05	0.14	0.17	0.21	
Chloride (mg/L)	00940		1.42	2.80	2.76	5.21	6.45	6.46	8.03	9.17	
Sulfate (mg/L)	00945		2.89	7.90	13.2	18.4	15.9	15.3	13.4	7.01	
Total Hardness (mg/L)	00900		89.0	105	117	141	192	202	198	239	
Ammonia-N (mg/L)	00610		0.12	0.17	<0.10	<0.10	<0.10	<0.10	0.44	0.29	
Chlorophyll a (mg/m ³)	32211		1.10	6.56	19.3	2.25	14.6	21.2	---	7.06	
Pheophytin (mg/m ³)	32218		<1.0	<1.0	1.36	<1.0	<1.0	1.66	---	4.29	
TKN	00625		0.56	<0.20	0.99	0.29	1.48		0.855	1.51	

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		5/15/14	6/10/14	7/2/14	8/6/14	9/3/14	9/9/14	9/22/14	9/22/14	10/6/14	11/3/14
Rainfall (Inches)* within last 7 days		4.34"	0.09"	0.03	0.00"	0.01"	1.41"	4.37"	4.37"	.38"	.17"
Flow (cfs)	00061	0.00	0.00	0.0	DRY	DRY	DRY	6.4	DRY	DRY	DRY
E coli (organisms/100 mL)	31699	1400	63	43				300			
Suspended Solids (mg/L)	00530	28.3	6.30	12.1				28.8			
Turbidity (NTU)	82079		6.1	9.7							
pH	00400	7.8	7.6	7.4				7.6			
Temperature (C)	00010	17.6	25.8	26.4				25.8			
Dissolved Oxygen (mg/L)	00300	4.0	2.8	2.9				6.8			
Conductivity (umhos/cm)	00094	253	413	455				970			
Total Phosphorus (mg/L)	00665	0.10	0.14	0.07				0.80			
Nitrate-N (mg/L)	00620	0.50	<0.05	<0.05				4.02			
Chloride (mg/L)	00940			6.95	7.43						
Sulfate (mg/L)	00945		19.3	9.57							
Total Hardness (mg/L)	00900		179	198							
Ammonia-N (mg/L)	00610	0.36	0.31	0.46				0.28			
Chlorophyll a (mg/m ³)	32211		2.25	<1.0							
Pheophytin (mg/m ³)	32218		<1.0	8.96							
TKN	00625	1.09	1.57	1.49				1.06			

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Parameter	Parameter Code	11/6/14	12/1/14	1/5/15	1/27/15	2/3/15	2/25/15	3/11/15	4/8/15	4/21/15	5/7/15
Rainfall (Inches)* within last 7 days		2.85"	0"	1.18"	3.26"	.49"	0.00"	2.19"	Dry	Dry	Wet
Flow (cfs)	00061	0.00	0.0	0.0	6.7	1.2	<0.01	35.0	3.20	24	4.00
E coli (organisms/100 mL)	31699	>2400	68	100	660	81	6	2900	550	200	550
Suspended Solids (mg/L)	00530	75.2	61.8	89.2	54.8	18.9	8.29	68.0	46.4	69.7	45.0
Turbidity (NTU)	82079	201	68.5	280		37.8		63.8	33.3		35.8
pH	00400	9.7	7.3	9.2	7.8	7.8	8.6	7.6	7.8	7.8	7.6
Temperature (C)	00010	15.4	15.4	6.5	14.2	9.3	13.2	13.4	23.1	22.2	25.1
Dissolved Oxygen (mg/L)	00300	8.7	7.0	10.5	10.0	9.0	10.8	9.5	7.3	8.0	7.3
Conductivity (umhos/cm)	00094	162	178	161	231	225	335	284	366	279	352
Total Phosphorus (mg/L)	00665	0.07	0.08	0.11	0.21	0.14	0.09	0.18	0.09	0.22	0.09
Nitrate-N (mg/L)	00620	0.24	0.30	0.33	0.40	0.13	<0.05	0.43	<0.05	0.35	0.05
Chloride (mg/L)	00940	2.62	4.34	3.90		6.22		5.71	7.61		5.58
Sulfate (mg/L)	00945	7.07	10.8	10.1		19.5		22.7	29.4		25.0
Total Hardness (mg/L)	00900	121	99.0	141		125		125	159		207
Ammonia-N (mg/L)	00610	0.25	0.34	0.29	0.17	<0.10	0.10	0.21	0.19	0.20	0.11
Chlorophyll a (mg/m ³)	32211	3.29	<1.0	2.21		8.4		4.38	8.72		10.1
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1.0		<1.0		<1.0	5.05		5.31
TKN	00625	1.01	1.04	1.01	0.82	0.69	0.93	0.32	0.68	1.09	0.74

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Parameter	Parameter Code	6/9/15	7/9/15	8/3/15	9/17/15	10/7/15	10/29/15	11/18/15	12/2/15	12/15/15	1/5/16
Rainfall (Inches)* within last 7 days		Dry	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet	Dry
Flow (cfs)	00061		0.0	0.0	DRY	DRY	0.0	43	0.5	13	0.7
E coli (organisms/100 mL)	31699	55	56	<1			740	1300	460	4100	210
Suspended Solids (mg/L)	00530	27.3	35.2	58.3			24.0	54.5	12.8	75.5	17.9
Turbidity (NTU)	82079	20.4	34.2	117			28.5	59.8	13.7		18.4
pH	00400	7.8	8.2	8.8			7.9	7.8	7.8	7.8	8.0
Temperature (C)	00010	29.3	27.9	34.8			20.4	17.5	13.3	15.0	9.3
Dissolved Oxygen (mg/L)	00300	6.9	4.9	10.6			5.5	8.9	9.6	9.0	11.2
Conductivity (umhos/cm)	00094	249	371	275			245	226	284	332	374
Total Phosphorus (mg/L)	00665	0.15	0.10	0.18			0.10	0.10	0.05	0.11	0.05
Nitrate-N (mg/L)	00620	0.11	<0.05	<0.05			0.42	0.14	<0.05	0.44	<0.05
Chloride (mg/L)	00940	3.71	5.49	9.90			2.12	2.60	2.92		4.99
Sulfate (mg/L)	00945	13.9	25.1	11.9			14.0	21.1	21.1		37.2
Total Hardness (mg/L)	00900	117	169				107	104	129		165
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10			<0.10	0.11	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	6.23	23.0	4.58			3.24	4.78	9.05		9.11
Pheophytin (mg/m ³)	32218	3.74	5.45	2.36			<1.00	<1.00	<1.00		2.01
TKN	00625	0.77	1.42	1.08			0.97	0.98	0.81	1.21	0.86

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

		Date and 24 hour time									
Parameter	Parameter Code	2/3/16	3/1/16	3/15/16	4/6/16	5/2/16	5/25/16	6/8/16	7/12/16	7/28/16	8/1/16
Rainfall (Inches)* within last 7 days		Dry	Dry	Wet	Dry	Wet	Wet	Wet	Dry	Wet	Wet
Flow (cfs)	00061	0.00	0.0	4.4	0.00	27*	32*	101*	0.00	0	0.00
E coli (organisms/100 mL)	31699	5	400	1700	290	24000	430	350	6	150	20
Suspended Solids (mg/L)	00530	15.4	52.4	58.0	38.8	14.4	61.0	11.2	67.1	180	85.5
Turbidity (NTU)	82079	18.3	44.5		31.7	157		34.2	81.3		163
pH	00400	8.3	8.4	8.0	7.7	7.6	7.6	7.5	8.1	8.0	8.4
Temperature (C)	00010	16.4	26.4	23.8	18.2	20.4	25.9	27.4	33.4	33.8	35.9
Dissolved Oxygen (mg/L)	00300	12.4	10.8	9.0	7.0	7.5	7.4	7.0	5.7	2.4	8.8
Conductivity (umhos/cm)	00094	448	338	412	431	277	271	262	382	350	326
Total Phosphorus (mg/L)	00665	0.05	0.11	0.07	0.09	0.3	0.16	0.15	0.13	0.27	0.18
Nitrate-N (mg/L)	00620	<0.05	<0.05	0.46	<0.05	0.32	0.06	0.05	<0.05	<0.05	<0.05
Chloride (mg/L)	00940	9.18	10.7		8.28	7.52		4.28	7.85		10.7
Sulfate (mg/L)	00945	56.5	35.1		37.7	22.1		26	16.9		18.0
Total Hardness (mg/L)	00900	205	155		189	150		115	177		151
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	1.84	16.1		15.8	29.5		12.2	5.58		14.6
Pheophytin (mg/m ³)	32218	1.07	1.51		<1.0	<1.0		2.63	1.50		2.95
TKN	00625	1.05	1.40	0.77	1.09	1.11	0.84	0.24	0.94	1.76	1.56

* Estimate due to high flows

*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

Date and 24 hour time

Parameter	Parameter Code	9/7/16	10/24/16	11/14/16	12/6/16	1/30/17	2/20/17	3/13/17	4/3/17	5/8/17	6/5/17
Rainfall (Inches)* within last 7 days		0.078"	0.02"	0.75"	3.02"	0.00"	2.61"	0.70"	2.08"	0.00"	1.93"
Flow (cfs)	00061	0.40	0.00	0.0	12*	0.9	Too High	40	7.8	0.00	0.00
E coli (organisms/100 mL)	31699	130	9	440	10000	260	40000	7300	2100	78	260
Suspended Solids (mg/L)	00530	18.3	42.4	83.4	83.8	35.4	63.0	87.7	65.0	82.0	108
Turbidity (NTU)	82079	23.8	51.4	111	74.9	35.1	203	79.2	50.7	66.3	161
pH	00400	7.7	8.0	8.0	7.6	7.9	7.5	7.7	7.7	8.0	8.5
Temperature (C)	00010	30.1	20.9	19.7	12.7	11.2	17.4	16.3	22.7	25.1	27.5
Dissolved Oxygen (mg/L)	00300	7.6	7.0	9.5	9.7	7.6	7.7	8.8	7.9	7.9	7.5
Conductivity (umhos/cm)	00094	381	332	282	304	373	275	355	333	461	262
Total Phosphorus (mg/L)	00665	0.06	0.07	0.08	0.36	0.09	0.35	0.17	0.11	0.15	0.15
Nitrate-N (mg/L)	00620	<0.05	<0.05	0.05	1.19	0.48	0.88	0.22	0.14	<0.05	0.09
Chloride (mg/L)	00940	6.84	6.28	6.48	8.67	91.0	7.57	9.19	12.2	12.9	8.50
Sulfate (mg/L)	00945	30.0	17.8	18.8	36.9	64.2	27.0	34.0	51.4	36.8	16.0
Total Hardness (mg/L)	00900	174	149.0	122	129	164	167	169	168	207	136
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	8.69	7.18	13.6	9.88	23.7	7.48	15.2	48.5	8.72	44.3
Pheophytin (mg/m ³)	32218	<1.00	1.48	3.70	<1.00	1.20	2.43	2.82	<1.00	2.66	2.03
TKN	00625	0.71	0.80	1.10	1.43	1.08	2.20	1.02	1.44	1.80	1.85

*Estimate due to high flows

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

Date and 24 hour time

Parameter	Parameter Code	7/24/17	8/7/17	9/6/17	10/17/17	2/21/18	3/13/18	4/4/18	5/8/18	6/18/18	7/10/18
Rainfall (Inches)* within last 7 days		0.00"	2.92"	0.00"	0.00"	0.33"	0.00"	0.00"	2.50"	0.00"	0.00"
Flow (cfs)	00061	0.0	0.00	66*	0.1	0.0	0.0	37	1.1		0
E coli (organisms/100 mL)	31699	12	13000	82	320	0.17	8	980	1300		300
Suspended Solids (mg/L)	00530	450	175	40.4	13.2	23.4	95.3	69.7	35.8		45.2
Turbidity (NTU)	82079	1247	235	17.3	21.0	27.4	29.4	37.1	26.5		57.5
pH	00400	7.3	8.1	7.7	7.7	8.1	8.1	7.7	8.3		7.7
Temperature (C)	00010	37.5	24.8	27.8	17.3	13.6	19.9	21.2	25.8		26.5
Dissolved Oxygen (mg/L)	00300	1.6	6.3	6.8	6.5	9.8	10.9	7.6	8.7		5
Conductivity (umhos/cm)	00094	378	187	256	380	440	471	270	882		261
Total Phosphorus (mg/L)	00665	0.94	0.23	0.22	0.09	0.08	0.07	0.28	0.08		0.07
Nitrate-N (mg/L)	00620	<0.05	0.68	<0.05	<0.05	<0.05	<0.05	0.18	<0.05		<0.05
Chloride (mg/L)	00940	20.3	2.40	4.51	6.56	11.4	12	6.37	9.24		4.14
Sulfate (mg/L)	00945	29.8	13.1	23.2	29.4	28.4	30.6	26.3	37		21.9
Total Hardness (mg/L)	00900	312	121	108	165	203	219	117	163		109
Ammonia-N (mg/L)	00610	0.70	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	<0.10		<0.10
Chlorophyll a (mg/m ³)	32211	101	<1.00	18.3	2.16	9.58	8.44	8.81	13.7		15.4
Pheophytin (mg/m ³)	32218	42.2	9.34	3.53	1.03	1.68	<1.00	1.42	2.7		4.24
TKN	00625	7.59	1.33	1.26	0.98	1.25	0.92	1.18	1.36		1.48

*Estimate due to high flows

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

Date and 24 hour time

Parameter	Parameter Code	8/6/18	9/10/18	10/9/18	11/19/18	12/5/18	12/19/18	1/9/19	2/20/19	3/26/19	4/4/19
Rainfall (Inches)* within last 7 days		0.00"	1.37"	1.49"	0.15"	0.03"	0.03"	2.58"	0.15"	0.00"	0.04"
Flow (cfs)	00061	0.00	0.0	0.0	1.80	0.1	16.0	15	0.05	0	0.00
E coli (organisms/100 mL)	31699	2	8200	870	20	170	630	260	150	3	110
Suspended Solids (mg/L)	00530	544.0	132	315.0	18.1	19.8	24.8	40.3	508	77.7	1340.0
Turbidity (NTU)	82079	621	194	324	22.4	11.7		75	220	85	550
pH	00400	8.2	8.1	7.7	7.6	7.6	7.7	7.7	7.6	8.0	8
Temperature (C)	00010	33.8	24.6	26.9	10.4	11.7	12.3	13	16	21.7	20.3
Dissolved Oxygen (mg/L)	00300	8.8	5.6	5.8	5.9	11.9	9.5	9.9	10	7.9	6.5
Conductivity (umhos/cm)	00094	324	157	336	349	312	250	234	407	460	470
Total Phosphorus (mg/L)	00665	0.37	0.13	0.22	0.11	0.08	0.18	0.16	0.37	0.14	0.38
Nitrate-N (mg/L)	00620	<0.05	0.23	<0.05	0.13	0.12	0.31	0.22	<0.05	<0.05	<0.05
Chloride (mg/L)	00940	13.8	1.82	4.19	8.92	10		4.9	9.29	10.7	11.9
Sulfate (mg/L)	00945	22.1	9.03	21.4	38.2	37.2		22.5	31.8	26.6	26.4
Total Hardness (mg/L)	00900	172	102	178	154	177		110	216	230	271
Ammonia-N (mg/L)	00610	<0.10	0.18	<0.10	<0.10	<0.10	0.21	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	75.3	2.1	13.4	3.74	<1.00		2.72	15	11.4	38.4
Pheophytin (mg/m ³)	32218	38.3	<1.00	16.7	1.33	<1.00		<1.00	7.85	2.62	23.6
TKN	00625	1.87	0.50	1.33	0.57	0.46	0.74	0.69	0.195	0.99	1.77

* Estimate due to high flows

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

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

Station Name

Elm Creek at CR 233