

Station name Alligator Creek @ Huber Rd (Headwater)

TCEQ Segment No. 1804A
 TCEQ Station Id No. 20743 GB701
 Monitoring Type Routine
 Latitude 29.676511 Longitude -97.990778

Parameter	Parameter Code	Date and 24 hour time										
		9/24/08	11/25/08	12/15/08	1/27/09	2/24/09	3/31/09	4/29/09	5/26/09	6/29/09	7/20/09	8/10/09
Season		Fall	Fall	Winter	Winter	Winter	Spring	Spring	Spring	Summer	Summer	Summer
Weather Conditions									Dry	Dry	Dry	Dry
Flow (cfs)	00061	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0	0	0	0
E coli (organisms/100 mL)	31699	38	190	70	39	12	8	96	150	870	520	1200
Suspended Solids (mg/L)	00530	19	4	5	11.7	12	14	18.3	18	35.7	66.5	79.5
Turbidity (NTU)	82079	15.4	4.02	3.9	8.88	12.5	18.3	21.3	19.3	34.5	57.7	73.9
pH	00400	7.3	7.2	7.5	7.5	7.5	7.4	7.5	7.4	7.5	7.5	7.8
Temperature (C)	00010	24.8	16.2	14.9	16.3	17.9	18.1	22.3	23.6	28.9	26.6	23.9
Dissolved Oxygen (mg/L)	00300	3.4	8.9	8.8	7.5	10.5	8.2		3.2	3.6	1.6	2.1
Conductivity (umhos/cm)	00094	576	590	614	627	616	644	632	598	595	587	550
Total Phosphorus (mg/L)	00665	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	<0.05	0.05	0.09	0.1	0.17
Nitrate-N (mg/L)	00620	0.09	1.94	5.15	10.6	7	6.9	4.26	0.16	0.09	<0.05	0.1
Chloride (mg/L)	00940	11.6	10.6	11.2	13.9	12.4	11.5	13.6	15.2	15.1	14.1	18.5
Sulfate (mg/L)	00945	19.6	19.3	24.5	35.1	32.6	31.7	34.1	29.3	15	9.64	10.2
Total Hardness (mg/L)	00900	3.4	247	254	269	281	291	276	254	236	221	197
Ammonia-N (mg/L)	00610	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	8.12	<0.10	0.15	<0.10	0.11
Chlorophyll a (mg/m ³)	32211	5.3	3.6	1	3.5	2.3	3.1		5.5	5.3	8.2	12.8
Pheophytin (mg/m ³)	32218	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		1.2	2.1	3.8	1.5

Parameter	Parameter Code	Date and 24 hour time									
		9/14/09	10/6/09	11/11/09	12/08/09	1/15/10	2/8/10	2/25/10	3/8/10	3/11/10	4/19/10
Weather Conditions		Dry	Wet	Wet	Wet						
Flow (cfs)	00061	0	0.4	<0.01	0.02	0.36	0.05		<0.01		<0.01
E coli (organisms/100 mL)	31699	30	130	17	29	24000	30		20	620	
Suspended Solids (mg/L)	00530	25.7	12.3	3.3	19.7	7.7	53		37.3	11	
Turbidity (NTU)	82079	21.7	26.7	3.4	9.2	14.6	33.3		2.6	5	
pH	00400	7.3	7.5	7.2	7.7	7.7	7.8		7.5	7.7	
Temperature (C)	00010	23.1	25	20.2	13.5	11.8	14.8		16.5	19.4	
Dissolved Oxygen (mg/L)	00300	3.9	4.6	7.4	11.2	9.1	10.7		8.9	11.8	
Conductivity (umhos/cm)	00094	613	273	570	531	246	382		642	581	
Total Phosphorus (mg/L)	00665	0.07	0.22	<0.05	0.06	0.19	0.13		<0.05	0.06	
Nitrate-N (mg/L)	00620	<0.05	0.61	0.12	1.78	0.71	8.28		8.9	5.2	
Chloride (mg/L)	00940	21.1	5.84	12.9	12.5	11.7	9.31		19	12.9	
Sulfate (mg/L)	00945	15.5	12.8	22.2	28.4	29.6	20.7		39.1	30.9	
Total Hardness (mg/L)	00900	243	136	249	228	175	182		277	276	
Ammonia-N (mg/L)	00610	<0.10	0.12	<0.10	<0.10	<0.10	<0.10		<0.10	<0.10	
Chlorophyll a (mg/m ³)	32211	7.9	3.3	4.6	20	2.1	1		11.5	9	
Pheophytin (mg/m ³)	32218	2.4	<1.0	1.1	3.1	<1.0	<1.0		4.5	3.1	
Selenium, Tot									<3.00		
Arsenic, Diss									2.52		
Cadmium, Dissolved									<1.00		
Copper, Dissolved									<1.00		
Lead, Dissolved									<1.00		
Nickel, Dissolved									1.34		
Silver, Dissolved									<1.00		
Zinc, Dissolved									5.2		
Aluminum, Dissolved									11.9		
Chromium, Dissolved									1.08		
Mercury, Total									<0.150		

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Parameter	Parameter Code	Date and 24 hour time										
		5/17/10	6/17/10	7/20/10	8/9/10	9/24/12	10/18/12	11/27/12	12/11/12	2/6/13	3/25/13	4/16/13
Weather Conditions		Wet										
Flow (cfs)	00061	0.6	<0.01	<0.01	0	0.0	0.0	0.0	<0.01	<0.01	0.0	<0.01
E coli (organisms/100 mL)	31699	190	26	360	57	15	38	75	5	10	1200	130
Suspended Solids (mg/L)	00530	8.3	9	2.7	4.3	8.20	8.20	5.00	5.11	9.70	26.8	42.6
Turbidity (NTU)	82079	7.8	7.4	1.1	4.7	5.4	4.4	3.8	4.4	7.1	14.8	32.1
pH	00400	7.4	7.7	7.2	7.3	8.7	7.7	8.0	8.2	8.5	8.0	8.2
Temperature (C)	00010	25	29.4	26.5	27.2	32.1	21.6	15.5	14.8	22.3	17.2	27.7
Dissolved Oxygen (mg/L)	00300	3.7	8.9	6.5	4.6	11.4	3.0	6.8	11.8	17.6	8.6	9.0
Conductivity (umhos/cm)	00094	296	503	643	553	374	588	506	545	489	783	551
Total Phosphorus (mg/L)	00665	0.2	0.07	<0.05	<0.05	0.06	0.03	0.04	0.05	0.03	0.05	0.06
Nitrate-N (mg/L)	00620	1.41	4.84	3.34	0.13	0.15	0.22	0.22	0.21	0.23	0.14	0.08
Chloride (mg/L)	00940	7.3	7.55	10.2	10.3	9.03	10.0	10.7	12.2	13.8	16.1	17.6
Sulfate (mg/L)	00945	11	17.8	20	14.4	22.6	18.1	11.9	10.5	17.7	18.6	16
Total Hardness (mg/L)	00900	122	230	266	248	207	245	243	2.57	264	235	214
Ammonia-N (mg/L)	00610	0.26	<0.10	<0.10	0.13	0.18	0.14	0.18	0.16	0.15	0.19	0.18
Chlorophyll a (mg/m ³)	32211	3.5	2.9	2.6	1.9	30.8	<1.00	<1.00	<1.00	1.90	11.8	13.8
Pheophytin (mg/m ³)	32218	<1.0	7	2.8	2	60.9	6.36	2.49	2.67	11.3	6.96	5.25
TKN	00625					0.84	0.66	0.52	0.42	0.33	0.86	1.04

Parameter	Parameter Code	Date and 24 hour time										
		5/13/13	6/12/01	0724/13	8/6/13	9/18/13	9/23/13	10/9/13	11/11/13	12/9/13	1/14/14	2/3/14
Weather Conditions		Dry										
Flow (cfs)	00061	0.0	0.0	0.0	0.00	0.0	0.0	0.0	<0.01	0.00	0.00	0.0
E coli (organisms/100 mL)	31699	200	200	63	690	150	170	33	40	4	<1	27
Suspended Solids (mg/L)	00530	8.40	8.40	89.0	33.4	25.4	26.7	3.80	2.60	1.00	3.90	1.00
Turbidity (NTU)	82079	6.50		18.8	21.1	16.6	10.2	2.3	2.1	1.5	1.8	1.6
pH	00400	7.5	8.2	7.5	7.5	7.4	7.6	7.8	7.8	8.1	8.0	7.8
Temperature (C)	00010	25.0	31.6	28.4	28.1	27.4	22.2	21.2	18.9	7.6	11.8	9.1
Dissolved Oxygen (mg/L)	00300	4.8	9.5	3.9	5.1	5.0	5.5	6.3	8.3	12.3	10.9	9.1
Conductivity (umhos/cm)	00094	563	412	479	695	529	573	434	498	463	460	493
Total Phosphorus (mg/L)	00665	0.09	0.08	0.11	0.09	0.10	0.07	0.10	0.04	0.02	0.04	0.02
Nitrate-N (mg/L)	00620	0.09	0.24	0.14	0.13	0.08	0.08	0.16	0.23	0.23	0.21	0.25
Chloride (mg/L)	00940	20.4	10.8	13.7	16.2	23.1	19.6	5.15	8.71	7.78	8.99	9.88
Sulfate (mg/L)	00945	12.8	8.08	14.1	12.5	15.3	53.0	20.6	30.3	25.6	21.7	20.6
Total Hardness (mg/L)	00900	213	237	190	172	173	210	193	256	258	250	239
Ammonia-N (mg/L)	00610	0.73	0.14	0.14	0.16	0.54	0.46	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	8.01	8.99	22.1	11.4	7.61	7.03	7.15	7.00	<1.0	2.14	1.00
Pheophytin (mg/m ³)	32218	5.31	4.05	12.2	7.18	6.47	4.00	2.28	<1.0	<1.0	<1.0	<1.0
TKN	00625	1.28	0.51	1.17	1.21	1.89	1.27	0.43	0.66	0.58	0.45	

Parameter	Parameter Code	Date and 24 hour time										
		3/17/14	4/7/14	5/6/14	5/14/14	6/11/14	7/21/14	8/12/14	9/10/14	10/13/14	11/5/14	12/8/14
Weather Conditions		Dry										
Flow (cfs)	00061	0.0	0.0	0.0		0.00	0.0	0.0	0.0	0.0	0.00	0.00
E coli (organisms/100 mL)	31699	24	6	16	5800	57	>2400	100	16	56	6900	150
Suspended Solids (mg/L)	00530	9.70	3.50	9.70	111	3.10	6.37	6.60	5.17	22.4	91.6	4.00
Turbidity (NTU)	82079	4.1	2.6	9.9	147	2.6	7.2	4.0	5.8	18.0	61.6	4.8
pH	00400	8.1	8.0	7.7	8.3	7.9	7.4	7.7	8.1	8.0	7.5	6.9
Temperature (C)	00010	11.7	15.3	20.4	21.1	34.0	31.2	29.6	29.6	22.0	16.6	14.5
Dissolved Oxygen (mg/L)	00300	9.0	10.9	5.5	7.7	8.9	1.9	5.5	8.8	7.5	7.4	1.7
Conductivity (umhos/cm)	00094	512	491	445	255	413	469	356	371	517	529	503
Total Phosphorus (mg/L)	00665	0.02	0.03	0.08	0.26	0.08	0.08	0.07	0.09	0.09	0.09	0.27
Nitrate-N (mg/L)	00620	0.18	0.16	0.16	5.80	<0.05	<0.05	<0.05	<0.05	<0.05	0.10	<0.05
Chloride (mg/L)	00940	12.0	13.8	15.0	5.81	10.0	8.26	11.6	18.6	16.9	17.4	8.65
Sulfate (mg/L)	00945	16.8	10.7	5.62	6.99	10.6	4.07	3.40	4.40	43.2	84.9	42.3
Total Hardness (mg/L)	00900	204	186	166	118	257	183	153	138	210	214	217
Ammonia-N (mg/L)	00610	0.30	0.26	0.41	0.39	0.28	0.70	0.17	0.40	0.94	0.26	0.33
Chlorophyll a (mg/m ³)	32211	---	29.9	4.51	28.6	6.11	3.44	3.94	4.46	3.77	28.2	2.97
Pheophytin (mg/m ³)	32218	---	9.37	<1.0	<1.0	<1.0	<1.0	1.72	1.76	2.37	8.29	<1.0
TKN	00625	0.585	0.963	1.28	1.71	0.73	1.19	1.59	1.79	1.79	1.74	1.47

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Parameter	Parameter Code	Date and 24 hour time										
		1/14/15	1/28/15	2/10/15	3/16/15	4/13/15	5/19/15	6/10/15	7/7/15	8/17/15	9/10/15	10/20/15
Weather Conditions (Wet or Dry)		Dry	Wet	Wet	Dry	Dry	Wet	Dry	Dry	Dry	Wet	Dry
Flow (cfs)	00061	0.0	0.0	0.0	0.0	<0.01	0.40	0.0	0.01	0.0	0.0	0.00
E coli (organisms/100 mL)	31699	5	30	<2	1	10	1300	32	29	24	310	110
Suspended Solids (mg/L)	00530	9.10	10.20	2.40	4.30	2.50	19.4	3.50	4.30	9.60	8.50	12.5
Turbidity (NTU)	82079	7.1	15.1	1.8	5.1	2.2	26.1	2.5	3.2	5.5	5.8	9.4
pH	00400	8.2	7.4	7.7	7.4	7.6	7.6	7.3	7.6	7.4	7.4	7.6
Temperature (C)	00010	6.5	13.0	15.2	17.3	22.6	27.3	26.7	26.3	26.7	27.0	19.4
Dissolved Oxygen (mg/L)	00300	13.1	9.6	8.4	8.0	5.7	3.4	11.4	6.8	2.5	3.2	4.0
Conductivity (umhos/cm)	00094	401	522	519	460	515	204	636	699	636	614	631
Total Phosphorus (mg/L)	00665	0.07	0.11	0.04	0.08	0.06	0.23	0.05	0.03	0.06	0.04	0.04
Nitrate-N (mg/L)	00620	0.36	15.8	<0.05	0.30	6.05	0.26	1.44	4.75		<0.05	<0.05
Chloride (mg/L)	00940	7.78	9.6	9.74	8.30	9.2	3.18	20.4	23.5	24.2	25.6	25.5
Sulfate (mg/L)	00945	26.6	34.8	3.90	29.5	18.2	4.25	29.3	35.6	13.9	9.76	7.52
Total Hardness (mg/L)	00900	193	185	232	200	228	138	246	281	265	255	271
Ammonia-N (mg/L)	00610	0.21	0.20	<0.10	0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	10.3	<1.0	3.68	2.67	<1.0	2.97	5.04	6.53	2.97	5.55	2.08
Pheophytin (mg/m ³)	32218		<1.0	<1.0	<1.0	1.40	<1.0	2.64	2.20	1.19	3.53	1.62
TKN	00625	0.73	0.36	0.56	0.72	0.42	0.21	0.67	0.62	1.06	1.22	1.06

Parameter	Parameter Code	Date and 24 hour time										
		11/3/15	12/7/15	1/11/16	2/8/16	3/8/16	4/12/16	5/9/16	6/1/16	7/18/16	8/15/16	9/12/16
Weather Conditions (Wet or Dry)		Wet	Dry	Dry	Dry	Dry	Wet	Dry	Wet	Dry	Dry	Dry
Flow (cfs)	00061	0.06	0.1	0.04	0.06	0.1	0.10	0.20	60*	0.09	0.2	0.2
E coli (organisms/100 mL)	31699	360	78	14	4	3	25	27	5800	34	130	8
Suspended Solids (mg/L)	00530	12.2	2.30	2.00	3.20	1.80	1.20	0.50	44.2	1.20	1.10	1.20
Turbidity (NTU)	82079	16.2	2.1	1.8	1.9	1.6	3.3	2.4	49.8	1.5	1.2	0.9
pH	00400	7.4	7.4	7.8	7.6	7.4	7.2	7.4	7.6	7.6	7.0	7.1
Temperature (C)	00010	21.0	14.1	11.9	12.3	21.3	20.5	23.3	23.2	28.6	25.8	25.5
Dissolved Oxygen (mg/L)	00300	2.9	6.8	9.8	10.5	7.8	4.5	6.2	6.6	8.8	2.9	2.3
Conductivity (umhos/cm)	00094	358	633	672	627	566	607	627	203	696	666	697
Total Phosphorus (mg/L)	00665	0.14	0.02	<0.02	0.02	0.02	0.02	0.05	0.24	0.02	0.02	0.03
Nitrate-N (mg/L)	00620	0.45	5.32	4.88	7.26	5.63	4.96	8.60	0.30	12.2	8.80	9.30
Chloride (mg/L)	00940	5.34	15.7	17.0	15.7	12.3	10.8	10.4	4.66	8.84	8.65	8.96
Sulfate (mg/L)	00945	9.07	29.6	35.4	41.1	35.3	30.5	32.2	6.26	31.4	30.6	28.1
Total Hardness (mg/L)	00900	154	267	276	247	219	242	267	86.6	269	272	281
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	1.96	1.42	1.16	2.94	2.34	4.92	7.45	4.17	2.88	2.43	2.05
Pheophytin (mg/m ³)	32218	<1.00	<1.00	<1.00	<1.0	<1.0	<1.0	1.00	<1.0	<1.0	<1.0	<1.0
TKN	00625	0.94	0.51	0.85	1.01	0.58	0.64	0.18	1.02	<0.20	<0.20	<0.20

* Estimate due to high flows

Parameter	Parameter Code	Date and 24 hour time							
		10/17/16	11/15/16	12/8/16	1/25/17	2/16/17	3/20/17	4/6/17	5/9/17
Weather Conditions (Wet or Dry)		Dry	Dry	Wet	Dry	Wet	Dry	Dry	Dry
Flow (cfs)	00061	0.20	0.3	0.6	0.10	0.1	0.80	0.50	0.5
E coli (organisms/100 mL)	31699	38	74	190	43	490	76	120	130
Suspended Solids (mg/L)	00530	-	1.60	10.80	4.20	4.50	1.70	5.80	6.10
Turbidity (NTU)	82079	1.5	1.5	12.9	4.0	7.2	8.6	6.0	4.5
pH	00400	7.0	7.1	7.1	7.6	7.2	7.2	7.2	7.2
Temperature (C)	00010	24.5	19.7	12.7	17.1	16.2	21.3	19.7	21.6
Dissolved Oxygen (mg/L)	00300	4.5	5.9	8.6	10.0	7.5	6.4	7.8	6.8
Conductivity (umhos/cm)	00094	717	732	466	694	575	729	719	734
Total Phosphorus (mg/L)	00665	0.02	0.03	0.16	0.03	0.03	0.04	0.02	0.02
Nitrate-N (mg/L)	00620	12.2	11.7	5.24	14.1	8.32	13.0	15.5	18.20
Chloride (mg/L)	00940	8.75	11.7	12.9	11.8	13.4	11.1	10.0	10.5
Sulfate (mg/L)	00945	30.7	33.7	24.7	33.3	25.9	32.1	33.7	32.5
Total Hardness (mg/L)	00900	297	285	189	291	217	296	277	293
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.22	0.11
Chlorophyll a (mg/m ³)	32211	2.11	<1.00	<1.00	1.96	2.05	3.03	1.28	4.15
Pheophytin (mg/m ³)	32218	<1.00	<1.00	<1.00	<1.00	1.23	<1.00	1.01	1.12
TKN	00625	<0.20	<0.20	0.50	<0.20	0.85	0.567	<0.20	<0.20

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