

Station name Geronimo Creek @ FM 20  
 TCEQ Segment No. 1804A  
 TCEQ Station Id No. 12575  
 Monitoring Type Targeted  
 Latitude 29.6188 Longitude -97.932

Parameter	Parameter Code	Date and 24 hour time										
		5/26/09	8/20/09	9/14/09	10/6/09	1/15/10	4/19/10	7/20/10	10/18/12	12/11/12	3/25/13	5/13/13
Season		Spring	Summer	Fall	Fall							
Weather Conditions		Wet	Dry	Wet	Wet							Dry
Flow (cfs)	00061	5.2	3.5	4.2	7.2	94	6.9	8.6	4.3	5.8	4.2	4.0
E coli (organisms/100 mL)	31699	35	290	100	400	1100	4350	130	62	79	78	82
Suspended Solids (mg/L)	00530	5.7	7.7	4.7	36.3	48.7	80	7	3.30	3.00	4.40	5.50
Turbidity (NTU)	82079	2.42	5.8	5.3	38.2	31.5	105	6.8	2.5	2.3	2.4	3.80
pH	00400	7.9	7.9	7.8	7.8	7.5	7.8	7.8	7.7	8.0	7.9	7.9
Temperature (C)	00010	23.8	28.2	23.9	24.8	13.4	19.9	27.6	21.8	15.8	16.7	21.2
Dissolved Oxygen (mg/L)	00300	9.2	7.7	6.9	7.4	9.8	12.2	10.8	8.1	9.8	9.3	8.1
Conductivity (umhos/cm)	00094	831	801	825	560	788	483	904	872	884	854	820
Total Phosphorus (mg/L)	00665	<0.05	<0.05	<0.05	0.15	0.09	0.17	<0.05	<0.02	0.02	<0.02	0.02
Nitrate-N (mg/L)	00620	11.2	11	12.3	0.9	11.3	5.56	10.3	13.5	12.0	11.4	11.1
Chloride (mg/L)	00940	40.7	23.8	32.4	21.7	38.7	18.8	43.7	38.1	36.5	36.1	33.1
Sulfate (mg/L)	00945	81.3	51.5	70.2	37	80.9	42.5	91.3	77.7	76.9	74.7	68.1
Total Hardness (mg/L)	00900	291	259	286	192	307	172	307	287	294	281	278
Ammonia-N (mg/L)	00610	<0.10	0.14	0.32	0.14	<0.10	<0.10	<0.10	0.15	0.17	0.19	0.17
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.0	<1.0	<1.0	<1.0	16.6	<1.0	<1.0	<1.00	<1.00	1.07	<1.0
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	5.7	<1.0	<1.0	<1.00	<1.00	<1.0	<1.0
TKN	00625								<0.20	<0.20	<0.20	<0.20

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		6/12/13	9/18/13	9/23/13	12/9/13	3/17/14	5/14/14	7/21/14	9/10/14	11/5/14	12/8/14	1/28/15
Weather Conditions		Dry	Dry	Wet	Wet	Dry	Wet	Dry	Wet	Wet	Dry	Wet
Flow (cfs)	00061	4.3	4.2	4.8	5.4	4.6		2.9	2.9	5.6	4.3	4.2
E coli (organisms/100 mL)	31699	120	160	120	130	490	13000	110	360	600	93	310
Suspended Solids (mg/L)	00530	9.50	5.60	3.80	1.60	4.70	287	4.50	5.70	7.60	4.50	10.00
Turbidity (NTU)	82079		2.5	2.8	1.7	2.2	63.6	5.6	5.1	5.4	3.8	11.6
pH	00400	7.8	7.8	7.9	7.9	7.9	8.1	7.6	7.9	7.9	7.7	7.6
Temperature (C)	00010	26.2	25.2	22.3	11.0	14.6	19.1	26.6	27.5	18.6	16.3	12.7
Dissolved Oxygen (mg/L)	00300	7.2	7.4	7.6	10.3	9.4	8.1	7.2	7.7	7.9	9.0	9.8
Conductivity (umhos/cm)	00094	821	786	789	843	866	307	791	779	748	833	600
Total Phosphorus (mg/L)	00665	0.03	0.02	0.02	<0.02	<0.02	0.47	0.02	<0.20	0.02	0.02	0.09
Nitrate-N (mg/L)	00620	10.3	10.6	10.7	11.7	10.0	2.82	8.80	9.10	9.42	9.0	7.20
Chloride (mg/L)	00940	33.9	32.8	34.7	33.6	36.7	9.69	32.7	33.0	31.6	34.1	24.2
Sulfate (mg/L)	00945	68.3	66.1	67.2	67.5	71.7	19.3	66.1	66.1	62.9	69.4	51.4
Total Hardness (mg/L)	00900	271	262	263	292	278	133	258	251	262	288	239
Ammonia-N (mg/L)	00610	0.39	0.13	0.15	<0.10	0.18	0.34	0.17	0.18	0.19	0.27	0.19
Chlorophyll a (mg/m <sup>3</sup> )	32211	1.10	<1.0	<1.0	<1.0	---	<1.0	1.25	<1.0	<1.0	<1.0	1.13
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TKN	00625	<0.20	<0.20	<0.20	<0.20	<0.2	1.75	<0.20	<0.20	<0.20	<0.20	0.23

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		3/16/15	6/10/15	8/17/15	9/10/15	10/20/15	11/3/15	1/11/16	4/12/16	5/9/16	7/18/16	8/15/16
Weather Conditions		Dry	Dry	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Dry	Dry
Flow (cfs)	00061	4.6	12	9.3	10	10	12	12	11	12	14	14
E coli (organisms/100 mL)	31699	200	190	60	250	130	650	160	130	170	170	370
Suspended Solids (mg/L)	00530	7.50	8.20	5.50	6.10	7.40	17.2	6.20	1.80	2.50	3.60	5.10
Turbidity (NTU)	82079	6.2	6.1	4.2	5.3	3.4	19.4	5.2	5.6	3.9	4.2	5.1
pH	00400	7.8	8.5	7.7	7.7	7.9	7.5	8.1	7.6	7.7	7.6	7.6
Temperature (C)	00010	17.8	25.4	25.3	25.6	20.1	20.8	14.0	21.0	21.7	26.5	24.4
Dissolved Oxygen (mg/L)	00300	9.3	7.8	7.3	8.0	8.4	7.4	10.9	8.1	7.9	8.3	7.4
Conductivity (umhos/cm)	00094	684	925	877	859	822	600	850	828	825	844	810
Total Phosphorus (mg/L)	00665	0.04	0.03	<0.02	<0.02	<0.02	0.10	0.02	0.02	0.03	0.02	0.02
Nitrate-N (mg/L)	00620	7.70	12.1	13.5	13.7	13.2	6.54	11.8	13.3	12.7	17.3	12.0
Chloride (mg/L)	00940	26.7	42.9	34.0	31.3	28.8	19.0	34.7	29.7	30.1	29.6	27.4
Sulfate (mg/L)	00945	53.1	80.9	75.4	71.1	67.8	46.4	73.8	66.1	66.8	70.5	64
Total Hardness (mg/L)	00900	234	290	292	298	279	210	289	285	275	260	276
Ammonia-N (mg/L)	00610	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.26
Chlorophyll a (mg/m <sup>3</sup> )	32211	5.01	<1.00	1.42	1.30	1.36	<1.00	2.16	<1.00	1.51	1.04	<1.0
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0	<1.0	<1.0
TKN	00625	0.50	<0.20	<0.20	<0.20	<0.20	0.66	<0.20	<0.20	<0.20	<0.20	<0.20

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		10/17/16	12/8/16	2/16/17	4/6/17	5/9/17	6/13/17	7/13/17	9/13/17	10/16/17	2/22/18	4/16/18
Weather Conditions		Dry	Wet	Wet	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
Flow (cfs)	00061	14	24	11	21	23	20	17	19	18	17	17.0
E coli (organisms/100 mL)	31699	130	480	2400	180	160	200	410	100	170	310	130
Suspended Solids (mg/L)	00530	-	9.70	10.1	6.50	5.90	4.30	6.40	1.10	4.30	4.80	6.30
Turbidity (NTU)	82079	3.7	11.4	9.4	8.8	3.9	3.5	4.9	2.6	3.0	3.6	3.80
pH	00400	7.6	7.3	8.5	7.7	7.6	7.8	7.7	7.8	7.9	7.9	7.8
Temperature (C)	00010	24.0	15.4	17.6	19.9	21.6	24.5	26.1	22.5	21.7	16.4	19.4
Dissolved Oxygen (mg/L)	00300	7.7	9.7	10.1	8.6	7.9	8.0	8.2	7.6	8.5	9.4	8.7
Conductivity (umhos/cm)	00094	832	677	745	844	838	827	820	815	826	805	817
Total Phosphorus (mg/L)	00665	0.02	0.11	0.12	0.02	0.02	<0.02	<0.02	0.02	<0.02	0.02	0.02
Nitrate-N (mg/L)	00620	12.5	9.20	10.7	12.0	14.3	14.4	14.3	13.8	10.1	13.6	13.7
Chloride (mg/L)	00940	26.7	29.2	27.5	31.0	30.2	29.1	27.4	27.5	28.0	28.4	28.7
Sulfate (mg/L)	00945	66.2	62.7	51.9	56.9	68.0	71.8	66.3	62.2	64.7	62.5	63.8
Total Hardness (mg/L)	00900	290	237	210	291	291	284	277	289	290	292	295
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.00	<1.00	3.35	<1.00	2.91	1.07	1.16	<1.00	<1.00	1.66	<1.00
Pheophytin (mg/m <sup>3</sup> )	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
TKN	00625	<0.20	<0.20	0.48	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Parameter	Parameter Code	Date and 24 hour time	
		5/7/18	6/20/18
Weather Conditions		Wet	Dry
Flow (cfs)	00061	17	14
E coli (organisms/100 mL)	31699	130	300
Suspended Solids (mg/L)	00530	9.9	5.8
Turbidity (NTU)	82079	4.4	4.9
pH	00400	7.8	7.7
Temperature (C)	00010	21.9	24.3
Dissolved Oxygen (mg/L)	00300	8	7.4
Conductivity (umhos/cm)	00094	813	794
Total Phosphorus (mg/L)	00665	0.03	0.03
Nitrate-N (mg/L)	00620	14.2	14.1
Chloride (mg/L)	00940	29.2	27
Sulfate (mg/L)	00945	66	58.9
Total Hardness (mg/L)	00900	292	284
Ammonia-N (mg/L)	00610	<0.10	<0.10
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.00	1.04
Pheophytin (mg/m <sup>3</sup> )	32218	<1.00	<1.00
TKN	00625	<0.20	<.20



