

Station Name Water Well near Geronimo Creek @ Laubach Rd

TCEQ Segment No. 1804A  
 TCEQ Station Id No. GB714  
 Monitoring Type Well  
 Latitude 29.627383 Longitude -97.949522

\*The coordinates associated with this site description were changed in November of 2009\*

\*The previous data associated with this site description was unrepresentative, because the water spicket sampled received treated water\*

\*The new well location is a handdug well approximately 25 feet deep and is sampled by lowering a bucket into the well shaft\*

Parameter	Parameter Code	Date and 24 hour time										
		5/26/09	11/11/09	2/25/10	5/17/10	7/20/10	11/27/12	1/2/13	3/25/13	9/18/13	2/3/14	5/6/14
Season			Fall	Dry	Wet	Dry						
Weather Conditions			Wet								Dry	Dry
E coli (organisms/100 mL)	31699	<1	4	<1	30	1	<1	<1	330	11	<1	210
Suspended Solids (mg/L)	00530	<1.0	23.7	9	10.3	47.3	4.00	4.00	9.40	26.1	4.20	16.3
Turbidity (NTU)	82079	<0.50	5.6	2.5	4.7	35.7	1.3	0.2	1.1	14.6	1.0	12.5
pH	00400	7.8	7.1	7.3	7.3	7	7.7	7.4	7.4	7.0	7.4	
Temperature (C)	00010	24.4	21.8	19.7	21.7	22.1	21.5	20.1	18.4	22.8	16.8	21.9
Dissolved Oxygen (mg/L)	00300	8.9	9.7	9.2	7.8	10.1	7.6	8.1	7.6	7.1	8.5	7.4
Conductivity (umhos/cm)	00094	531	833	812	808	801	816	804	809	817	823	788
Total Phosphorus (mg/L)	00665	<0.05	<0.05	<0.05	<0.05	0.05	<0.02	0.02	0.02	0.02	0.02	<0.02
Nitrate-N (mg/L)	00620	0.95	18.7	17.8	17.3	13.6	18.6	17.0	18.5	19.7	18.2	19.4
Chloride (mg/L)	00940	30	17	16.4	14	16.5	17.7	17.2	17.6	19.9	20.3	21.2
Sulfate (mg/L)	00945	33.3	56.3	58.9	53.7	57.9	53.0	51.7	52.5	53.5	50.7	53.8
Total Hardness (mg/L)	00900	248	379	332	311	361	305	339	298	284	282	279
Ammonia-N (mg/L)	00610	0.6	0.1	<0.10	0.1	0.18	0.14	0.12	0.20	0.15	<0.10	0.77
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.0	1	<1.0	<1.0	<1.0	<1.00	<1.00	<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	<1.00	<1.00	1.25	<1.0	<1.0	<1.0
TKN	00625						<0.20	<0.20	<0.20	<0.20		<0.200
Selenium Tot				5.72								
Arsenic Diss				2.23								
Cadmium, Dissolved				<1.00								
Copper, Dissolved				2.27								
Lead, Dissolved				<1.00								
Nickel, Dissolved				1.12								
Silver, Dissolved				<1.00								
Zinc, Dissolved				8.82								
Aluminum, Dissolved				15.8								
Chromium, Dissolved				1.43								
Mercury, Total				<0.150								

Parameter	Parameter Code	Date and 24 hour time										
		7/21/14	11/5/14	1/28/15	3/16/15	7/6/15	10/27/15	1/11/16	4/12/16	7/18/16	10/17/16	2/16/17
Weather Conditions		Dry	Wet	Wet	Dry	Dry	Dry	Dry	Wet	Dry	Dry	Wet
E coli (organisms/100 mL)	31699	4	<10	<10	1	<1	<1	<1	5	<1	<1	<1
Suspended Solids (mg/L)	00530	2.30	37.5	10.80	2.40	3.90	0.70	2.00	<0.50	3.70	-	0.50
Turbidity (NTU)	82079	2.0	32.9	3.4	1.6	2.4	<0.5	0.7	0.6	2.4	0.9	<0.5
pH	00400	6.9	7.2	7.1	7.4	7.2	7.0	7.5	7.2	7.2	6.9	7.0
Temperature (C)	00010	24.3	20.3	18.6	19.7	22.2	22.2	18.2	21.4	24.8	23.4	20.4
Dissolved Oxygen (mg/L)	00300	3.1	7.7	8.0	7.8	6.8	5.8	7.7	6.5	7.9	5.7	6.9
Conductivity (umhos/cm)	00094	820	771	797	796	778	787	753	769	788	752	782
Total Phosphorus (mg/L)	00665	<0.02	0.02	<0.02	<0.02	0.02	<0.02	<0.02	0.02	0.02	<0.02	0.02
Nitrate-N (mg/L)	00620	18.3	17.3	19.2	18.3	16.0	13.6	15.0	20.3	20.7	14.9	16.9
Chloride (mg/L)	00940	20.2	20.2	22	19.8	18.9	17.3	17.2	15.9	16.6	15.4	13.4
Sulfate (mg/L)	00945	52.0	52.6	53.7	51.2	53.4	50.4	51.7	48.6	48.9	46.9	41.4
Total Hardness (mg/L)	00900	304	324	328	310	299	272	277	289	294	295	388
Ammonia-N (mg/L)	00610	0.17	0.20	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.0	<1.0	<1.0	1.34	<1.00	<1.00	<1.00	<1.00	<1.0	<1.00	
Pheophytin (mg/m <sup>3</sup> )	32218	6.65	<1.0	<1.0	<1.0	<1.00	<1.00	<1.00	<1.00	<1.0	<1.00	
TKN	00625	<0.20	<0.20	0.24	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Parameter	Parameter Code	Date and 24 hour time		
		4/6/17	6/13/17	9/13/17
Weather Conditions		Dry	Dry	Dry
E coli (organisms/100 mL)	31699	1	2	<1
Suspended Solids (mg/L)	00530	1.60	7.60	1.40
Turbidity (NTU)	82079	1.2	2.4	<0.5
pH	00400	7.0	7.1	7.2
Temperature (C)	00010	21.6	24.5	23.7
Dissolved Oxygen (mg/L)	00300	6.2	5.6	6.5
Conductivity (umhos/cm)	00094	764	763	749
Total Phosphorus (mg/L)	00665	<0.02	<0.02	<0.02
Nitrate-N (mg/L)	00620	16.5	13.7	16.9
Chloride (mg/L)	00940	14.6	17.5	15.3
Sulfate (mg/L)	00945	40.4	52.4	46.4
Total Hardness (mg/L)	00900	290	298	293
Ammonia-N (mg/L)	00610	0.16	<0.10	<0.10
Chlorophyll a (mg/m <sup>3</sup> )	32211	<1.00		<1.00
Pheophytin (mg/m <sup>3</sup> )	32218	<1.00		<1.00
TKN	00625	<0.20	<0.20	<0.20