

Station Name Geronimo Creek @ Haberle Rd

TCEQ Segment No. 1804A  
 TCEQ Station Id No. 12576  
 Monitoring Type Routine  
 Latitude 29.633956 Longitude -97.943892

Parameter	Parameter Code	Date and 24 hour time										
		9/16/03	10/6/03	11/4/03	12/5/03	1/15/04	2/16/04	3/8/04	4/27/04	5/10/04	6/15/04	7/14/04
Flow (cfs)	00061	11.8	12.1	13.8	14.6	13.7	16.2	15.1	13.3	12.1	12.9	11.7
E. coli(org/100mL)	31699	106	560	96	216	1787	132	83	176	114	84	119
Suspended Solids(mg/L)	00530	12.2	29.7	5.5	6.4	5.9	7.1	6.7	15.9	13.2	5	5.6
Turbidity(NTU)	82079	15.2	16.6	5.62	6.53	8.01	6.43	5.72	12.2	8.29	9.59	4.98
pH	00400	7.83	7.94	8.01	7.96	7.61	7.86	7.68	7.71	7.85	7.67	7.61
Temperature(C)	00010	24.3	23	23.3	16.7	18.1	14.9	19.5	22.3	23.2	25.6	26.3
Dissolved Oxygen(mg/L)	00300	7.6	8.47	9.11	9.63	9.47	10.4	11.6	9.11	9.44	7	8.61
Conductivity(umhos/cm)	00094	845	911	701	807	909	872	916	893	921	854	946
Total Phosphorus(mg/L)	00665	0.66	0.05	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.09	0.09
Nitrate-N(mg/L)	00620	15.1	14.3	10.9	14	7.08	14.6	17.4	10	9.31	9.59	6.19
Chloride(mg/L)	00940	40	43.3	41.9	44.8	40.6	46.8	44.7	45.5	35.6	41.6	42
Sulfate(mg/L)	00945	59.4	64.7	64	67.8	61.9	66.8	63.7	62.7	55.3	62.1	64.1
Total Hardness(mg/L)	00900	281	313	317	321	314	321	303	325	313	301	311
Ammonia-N(mg/L)	00610		0.02		0.02		0.02		<0.02		0.04	
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1.0	2.6	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Pheophytin (mg/m <sup>3</sup> )	32218	1.3	<1.0	<1.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3

Parameter	Parameter Code	Date and 24 hour time										
		8/9/04	9/13/04	10/19/04	11/9/04	12/8/04	1/7/05	2/9/05	3/3/05	4/6/05	5/2/05	6/6/05
Flow (cfs)	00061	12.2	9.1	13.9	18.2	26.1	20.2	32	59	22.2	15.9	4.1
E. coli(org/100mL)	31699	-----	69	120	-----	150	219	644	4838	222	110	105
Suspended Solids(mg/L)	00530	6	3.3	8.6	9.1	4.8	10	23.6	60.7	6.9	6.3	6.1
Turbidity(NTU)	82079	3.9	4.1	9.2	8.7	4.1	6.8	24.9	76	5.2	6.5	5.2
pH	00400	7.72	7.77	7.73	7.73	7.72	7.64	7.58	7.81	7.6	7.76	7.79
Temperature(C)	00010	25	24.4	24	20.5	18.5	15.5	16	15	20.3	19.9	25.2
Dissolved Oxygen(mg/L)	00300	7.91	7.76	7.57	9.5	11.5	9.64	9.87	11.12	9.74	9.9	8.66
Conductivity(umhos/cm)	00094	815	982	870	897	930	905	710	485	897	875	530
Total Phosphorus(mg/L)	00665	<0.06	0.05	0.05	0.06	0.08	0.06	0.12	<0.05	0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	9.8	12.5	13.8	13.6	14.5	15.3	8.9	5.8	14.6	14.5	14.7
Chloride(mg/L)	00940	47.9	48.4	45.7	47.7	48.4	41	36.5	24.5	44.3	34.2	37.1
Sulfate(mg/L)	00945	65.3	65.1	62.7	66.9	72.5	69.7	53.9	32.5	65.4	57.5	58.6
Total Hardness(mg/L)	00900	308	308	306	322	322	322	248	184	321	310	304
Ammonia-N(mg/L)	00610	0.02		0.05		0.02		0.03		0.05		0.03
Chlorophyll a(mg/m <sup>3</sup> )	32211	2	<1	<1	<1	1.7	<1	1.6	4.7	2.5	<1	1.2
Pheophytin (mg/m <sup>3</sup> )	32218	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

Parameter	Parameter Code	Date and 24 hour time										
		7/6/05	8/4/05	9/8/05	10/7/05	11/4/05	12/9/05	1/5/06	2/1/06	3/2/06	4/4/06	5/4/06
Flow (cfs)	00061	12.1	13.5	11.9	11.3	11.5	13.6	13.6	10.4	11.5	11	9.68
E. coli(org/100mL)	31699	86	150	130	91	160	170	78	110	190	44	110
Suspended Solids(mg/L)	00530	5.9	8.7	8.7	11.3	8	6.7	11.3	6.7	5.3	6.3	6.3
Turbidity(NTU)	82079	3.2	6.2	3	6.5	4.3	4.8	5.9	4.7	5.2	5.7	5.6
pH	00400	7.69	7.7	7.69	7.82	7.8	7.8	7.87	7.76	7.75	7.84	7.75
Temperature(C)	00010	26.6	25.8	24.6	21.1	19.2	11.9	16.9	17.5	21.5	23.3	24
Dissolved Oxygen(mg/L)	00300	9.1	7.88	7.76	7.93	9.68	11.4	10.3	9.93	10.5	9.72	9.21
Conductivity(umhos/cm)	00094	855	865	858	887	873	876	879	888	855	855	836
Total Phosphorus(mg/L)	00665	0.05	0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	15.7	16.7	16.1	16.3	15.8	16.8	16	15	14.5	14.5	15.2
Chloride(mg/L)	00940	38.1	39.7	38.6	38.7	37.8	38.4	37.6	44.4	38.4	38.9	38.6
Sulfate(mg/L)	00945	68.5	61.7	58.9	58.5	57.6	58.6	59.8	74.8	62.8	64	81.6
Total Hardness(mg/L)	00900	294	322	299	325	316	330	300	320	291	313	320
Ammonia-N(mg/L)	00610		<0.02		0.04	0.02	0.03		0.02		0.03	
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin (mg/m <sup>3</sup> )	32218	<3	<3	<3	<1	<1	<3	1.1	<1	<1	<1	<1

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		6/5/06	7/10/06	8/7/06	9/8/06	10/10/06	11/3/06	12/6/06	1/8/07	2/5/07	3/8/07	4/4/07
		1435	1440	1612	1415	1642	1516	1350	1558	1541	1440	1755
Flow (cfs)	00061	9.4	9.3	3.4	7.5	8.6		6.5	9	12.9	12.8	11.6
E. coli(org/100mL)	31699	66	130	130	59	330	98	166	320	160	77	460
Suspended Solids(mg/L)	00530	7	19.7	7	10.3	7	5.3	6	7.3	10.7	20	19.3
Turbidity(NTU)	82079	4.4	16.9	7.4	7.1	7.31	5.61	5	5.3	7.3	8.4	18.6
pH	00400	7.8	7.84	7.79	7.74	7.74	7.83	7.88	7.68	7.75	7.78	7.79
Temperature(C)	00010	24.6	26.1	25.6	22.9	22.2	17.2	15	14.4	14.8	17.9	21.7
Dissolved Oxygen(mg/L)	00300	9.51	7.61	7.54	8.04	10.9	10.4	11.9	13	12	11.7	8.34
Conductivity(umhos/cm)	00094	840	786	825	821	781	871	920	922	944	928	825
Total Phosphorus(mg/L)	00665	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08
Nitrate-N(mg/L)	00620	14.9	13.7	15.2	14	14	14.8	15.9	5.64	14.2	14.3	11.1
Chloride(mg/L)	00940	36.7	41.2	39.5	36	34.4	37	40.2	41.8	41.8	37.6	20.6
Sulfate(mg/L)	00945	60	37	67.3	60.2	60	59.8	66.3	71	73.2	67.2	68.4
Total Hardness(mg/L)	00900	297	290	293	278	258	310	298	319	310	318	3
Ammonia-N(mg/L)	00610	0.04		0.1		<0.02		0.02		<0.02		0.04
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	1.1	1.8	1.2	<1	<1	<1	<1	<1	1.6	<1
Pheophytin (mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TKN (mg/L)	00625											

Parameter	Parameter Code	Date and 24 hour time										
		5/9/07	6/15/07	7/9/07	8/6/07	9/12/07	10/11/07	11/14/07	12/12/07	1/7/08	2/15/08	3/19/08
		1320	1405	1434	1453	1438	1449	1426	1650	1342	1438	1608
Flow (cfs)	00061	16	6.8	15	10	14.1	12	11	12	12	11	9.7
E. coli(org/100mL)	31699	450	90	160	110	80	88	140	150	130	99	61
Suspended Solids(mg/L)	00530	21	7	18.3	4.7	11	5.3	6	1	1.3	3.3	6
Turbidity(NTU)	82079	15	5.31	17.9	3.6	6.96	3.35	2.75	3.35	4	3.5	4.2
pH	00400	7.76	7.72	7.6	7.75	7.81	7.74	7.76	7.81	7.8	7.9	7.9
Temperature(C)	00010	23.6	26	26.2	26.4	24.4	24.2	21.9	16	19.2	18.4	18.8
Dissolved Oxygen(mg/L)	00300	10.5	7.49	7.05	8.07	9.52	9.43	8.91	8.9	8.2	9	9.3
Conductivity(umhos/cm)	00094	928	915	722	923	888	889	897	851	834	810	849
Total Phosphorus(mg/L)	00665	<0.05	<0.05	0.14	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	13.4	14.8	10.3	12.3	12.8	11.8	12.1	14.2	8.24	11.4	11.7
Chloride(mg/L)	00940	32.9	43.8	37	47.5		48.3	45.4	38.2	39.3	42.4	40.9
Sulfate(mg/L)	00945	76.6	75.8	65	85		80.4	73.2	62.4	64.4	71.9	67.8
Total Hardness(mg/L)	00900	334	326	254	252	321	302	313	353	294	329	282
Ammonia-N(mg/L)	00610		0.03		0.04		<0.1		0.11		<0.1	
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	<1	1	<1	<1	<1	<1	1.6	<1	<1
Pheophytin (mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TKN (mg/L)	00625						<0.5		<0.5		0.52	

Parameter	Parameter Code	Date and 24 hour time										
		4/9/08	5/7/08	6/9/08	7/3/08	8/6/08	1439	1459	1439	1359	1245	1500
Season						Fall	Fall	Fall	Winter	Winter	Winter	
Weather Conditions						Wet	Wet	Wet	Wet	Wet	Wet	Dry
Flow (cfs)	00061	10.5	7.6	7.6	8.1	7	7.4	5.8	5.3	6.9	6.4	3.6
E. coli(org/100mL)	31699	91	58	74	46	82	100	88	280	91	240	110
Suspended Solids(mg/L)	00530	6.3	10	4	5.7	4	7.3	6	4	4.7	6	4.7
Turbidity(NTU)	82079	5.1	6.7	5.2	4.9	6.7	6.6	5.5	3.67	4.68	4.6	3.6
pH	00400	7.8	7.8	7.7	7.7	7.8	7.7	7.7	7.7	7.7	7.8	7.8
Temperature(C)	00010	22.4	22.5	26.4	24.9	26.7	25.6	23	20.6	13.9	16.5	16
Dissolved Oxygen(mg/L)	00300	8.2	8.4	8.9	8	7.4	10.3	7.8	7.9	8.7	8.9	10.8
Conductivity(umhos/cm)	00094	833	836	816	849	780	808	820	840	794	820	822
Total Phosphorus(mg/L)	00665	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	10.7	11.1	10.8	6.69	8.79	11.9		14	12.4	6.91	11.1
Chloride(mg/L)	00940	39.4	40.3	38	39.1	39.1	37.1	40	39.3	37.4	45.1	40.3
Sulfate(mg/L)	00945	69.9	68.8	65.6	65.7	65.7	57.8	66	68.1	62.8	71.7	65.4
Total Hardness(mg/L)	00900	305	297	281	289	284	261	282	299	312	298	291
Ammonia-N(mg/L)	00610	<0.1		<0.1		0.12		<0.1		0.1	0.1	<0.1
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
Pheophytin (mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TKN (mg/L)	00625	<0.2		0.35		<0.2		0.26		0.3		<0.2





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		8/6/13	9/18/13	9/23/13	10/9/13	11/11/13	12/9/13	1/14/14	2/3/14	3/17/14	4/7/14	5/6/14
Weather Conditions			Dry	Wet	Wet	Dry	Wet	Dry	Dry	Dry	Dry	Dry
Flow (cfs)	00061	2.3	2.8	3.9	2.8	3.0	3.5	3.6	3.5	3.1	2.5	2.7
E coli (organisms/100 mL)	31699	134	120	260	140	200	150	130	200	105	130	58
Suspended Solids (mg/L)	00530	5.20	5.50	8.10	9.20	8.10	3.50	5.50	4.30	6.50	8.40	4.60
Turbidity (NTU)	82079	3.6	3.4	4.9	9.1	7.5	3.4	4.4	3.5	3.9	6.6	5.1
pH	00400	7.8	7.6	7.9	7.9	7.8	7.8	7.7	7.3	7.8	7.8	7.5
Temperature (C)	00010	27.7	25.9	23.1	21.0	18.3	10.9	12.7	11.4	15.7	17.3	21.7
Dissolved Oxygen (mg/L)	00300	7.1	7.2	7.7	8.4	8.3	9.6	10.9	10.8	10.6	8.7	7.2
Conductivity (umhos/cm)	00094	731	734	709	751	827	829	854	836	801	812	767
Total Phosphorus (mg/L)	00665	0.22	0.02	0.03	0.06	0.03	<0.02	0.02	0.02	<0.02	<0.02	0.02
Nitrate-N (mg/L)	00620	8.20	9.10	7.70	9.30	10.4	8.80	9.50	9.90	8.60	8.3	8.50
Chloride (mg/L)	00940	32.3	31.8	32.5	31.8	36.4	35.2	36.7	35.2	36.5	37.7	36.5
Sulfate (mg/L)	00945	57.4	56.0	55.2	57.0	64.9	63.6	67.9	63.0	64.9	66.6	66.9
Total Hardness (mg/L)	00900	241	243	246	271	290	295	283	279	267	273	277
Ammonia-N (mg/L)	00610	0.16	0.15	0.16	<0.10	<0.10	<0.10	<0.10	<0.10	0.17	0.26	0.32
Chlorophyll a (mg/m <sup>3</sup> )	32211	1.42	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---	1.42	2.52
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	15.8	<1.0	---	1.52	<1.0
TKN(mg/l)	00625	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	0.281	<0.2

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		5/14/14	6/11/14	7/21/14	8/12/14	9/10/14	10/13/14	11/5/14	12/8/14	1/28/15	1/14/15	2/10/15
Weather Conditions		Wet	Dry	Dry	Dry	Wet	Wet	Wet	Dry	Wet	Dry	Wet
Flow (cfs)	00061		2.9	2.1	1.9	1.5		4.0	3.3	3.4	3.6	3
E coli (organisms/100 mL)	31699	16000	190	490	260	120	170	500	640	500	120	200
Suspended Solids (mg/L)	00530	357	7.40	3.40	6.90	5.10	4.50	9.30	6.50	10.40	4.90	7.40
Turbidity (NTU)	82079	506	7.9	6.7	4.8	4.9	4.0	7.1	5.4	15.1	3.7	5.4
pH	00400	8.1	7.5	7.5	8.2	7.7	7.9	7.9	7.5	7.7	8.0	7.8
Temperature (C)	00010	18.6	26.5	27.4	28.7	28.0	23.3	18.7	15.8	12.5	8.8	15.2
Dissolved Oxygen (mg/L)	00300	8.3	6.9	6.8	7.3	7.1	7.3	8.0	8.0	9.8	10.8	10.0
Conductivity (umhos/cm)	00094	250	795	750	726	633	722	704	796	547	769	748
Total Phosphorus (mg/L)	00665	0.51	0.04	0.02	0.02	<0.20	0.02	0.02	0.03	0.10	0.02	0.02
Nitrate-N (mg/L)	00620	2.24	6.9	6.90	7.00	7.00	7.60	7.63	8.7	5.60	9.10	8.50
Chloride (mg/L)	00940	5.77	35.1	32.9	32.5	31.7	31.0	31.8	32.4	24.5	36.3	34.9
Sulfate (mg/L)	00945	11.5	61.8	58.9	57.7	54.7	54.3	54.8	58.0	42.6	61.4	61.1
Total Hardness (mg/L)	00900	133	269	241	480	237	254	254	284	195	294	304
Ammonia-N (mg/L)	00610	0.32	0.34	0.20	0.12	0.20	0.15	0.22	0.30	0.22	0.12	<0.10
Chlorophyll a (mg/m <sup>3</sup> )	32211	5.07	1.25	<1.0	<1.00	<1.0	1.10	1.39	<1.0	1.16	<1.0	4.90
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	9.46	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TKN(mg/l)	00625	1.71	<0.20	<0.20	0.30	<0.20	<0.20	<0.20	<0.20	0.49	<0.20	

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		3/16/15	4/13/15	5/19/15	6/10/15	7/7/15	8/17/15	9/10/15	10/20/15	11/3/15	12/7/15	1/11/16
Weather Conditions		Dry	Dry	Wet	Dry	Dry	Dry	Wet	Dry	Wet	Dry	Dry
Flow (cfs)	00061	3.3	5.2	13.0	7.3	7.1	6.1	6.4	6.1	7.9	7.4	8.0
E coli (organisms/100 mL)	31699	120	2100	230	120	550	290	170	120	260	580	180
Suspended Solids (mg/L)	00530	7.00	13.9	35.3	8.70	14.3	6.20	7.00	7.90	15.8	6.00	7.00
Turbidity (NTU)	82079	6.0	11.7	39.7	7.0	9.6	6.5	7.1	5.7	19.4	5.0	5.9
pH	00400	7.8	7.7	7.7	7.8	7.9	7.7	7.7	7.8	7.6	7.9	8.0
Temperature (C)	00010	17.7	21.5	24.6	25.5	25.6	26.0	26.1	20.1	20.4	14.9	13.2
Dissolved Oxygen (mg/L)	00300	9.3	6.9	7.3	8.3	8.1	7.2	7.3	8.2	7.8	9.1	9.8
Conductivity (umhos/cm)	00094	664	708	324	884	870	822	808	781	560	806	817
Total Phosphorus (mg/L)	00665	0.05	0.12	0.22	0.03	0.02	0.02	<0.02	<0.02	0.11	0.02	0.02
Nitrate-N (mg/L)	00620	5.90	7.00	2.48	10.6	<0.05	11.0	11.3	11.1	4.53	10.9	12.1
Chloride (mg/L)	00940	29.0	36.0	12.6	41.8	40.9	35.0	33.2	30.3	20.9	32.8	35.2
Sulfate (mg/L)	00945	51.0	61.5	22.4	73.7	74.3	63.9	60.5	56.5	39.2	59.6	62.6
Total Hardness (mg/L)	00900	231	272	202	289	288	282	266	275	198	287	288
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 <sup>3</sup> )	32211	5.70	3.94	1.07	<1.00	<1.00	12.5	1.69	<1.00	<1.00	<1.00	1.25
Pheophytin (mg/m <sup>3</sup> )	32218	<1.0	1.29	<1.0	<1.00	1.07	2.18	<1.00	2.80	<1.00	<1.00	<1.00
TKN(mg/l)	00625	0.52	<0.20	0.81	<0.20	<0.20	<0.20	<0.20	<0.20	0.77	<0.20	0.70

