

Station Name Geronimo Creek @ SH 123

TCEQ Segment No. 1804A
 TCEQ Station Id No. 14932
 Monitoring Type Routine
 Latitude 29.669666 Longitude -97.966174

Parameter	Parameter Code	Date and 24 hour time										
		7/14/99	8/23/99	9/14/99	10/19/99	11/29/99	12/14/99	1/18/00	2/14/00	15/20/00	4/18/00	5/25/00
		1422	1550	1515	1420	1501	1528	1411	1530	1427	1411	1323
Flow (cfs)	61	4.49	4.04	3.9	3.73	3.83	3.76	4.69	1.98	5	3.59	4.35
Fecal Coliform(org/100mL)	31616	72	362	73	221	275	229	550	312	388	250	206
Suspended Solids(mg/L)	530	14.7	16.8	22.7	18.5	21	22.7	21.6	26	36.8	35.2	20
Turbidity(NTU)	82079	8.5	9.1	9	8.8	15	15	18	11.8	24.5	23.5	13
pH	400	7.63	24.34	7.84	8.06	7.73	7.57	7.87	7.83	7.85	7.78	8.3
Temperature(C)	10	25.18	8.01	24.85	18.99	20.92	19.1	21.49	21.25	20.54	21.83	24.15
Dissolved Oxygen(mg/L)	300	10.13	8.01	11.64	8.68	9.93	10.71	10.5	11.84	8.09	7.33	7.59
Conductivity(umhos/cm)	94	868	832	813	844	834	839	829	830	836	900	920
Total Phosphorus(mg/L)	665	0.07	<0.01	0.02	0.06	0.11	0.12	0.06	0.03	0.1	0.13	0.08
Nitrate-N(mg/L)	630	9.14	8.49	9.32	10.8	8.61	10.4	8.24	11.8	9.81	8.2	9.97
Chloride(mg/L)	940	44.8	47.5	49.4	50	44.5	49.5	50.2	50.2	47.5	52.2	47.4
Sulfate(mg/L)	945	52	48.2	40.6	42.8	47.8	53.6	47.8	50.8	49.2	39.9	49.6
Total Hardness(mg/L)	900	264	318	282	244	303	175	302	318	246	344	327
Ammonia-N(mg/L)	610		0.09		0.1		0.08		0.16		0.15	
E. coli(org/100mL)	31699	36	138	16	212	212	<4	262	262	375		
Chlorophyll a(mg/m ³)	32211	<1	3.2	1.1	<1.0	<1.0	<1.0	<1	1.3	<1	250	72
Total Dissolved Solids(mg/L)	70300										2.5	<1

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		6/28/00	7/19/00	8/13/00	9/26/00	10/31/00	11/28/00	12/18/00	1/15/01	2/21/01	3/22/01	4/17/01
		1128	1512	1113	1008	1432	900	1412	1513	1329	1124	1448
Flow (cfs)	61	4.7	5.7	4.2	3.07	3.2	5.1	10	5.27	5.09	3.4	941
Fecal Coliform(org/100mL)	31616	232	196	218	97	232	184	53	104	475	88	19
Suspended Solids(mg/L)	530	21	10.1	20.8	19.5	23.7	17.7	12	15	11.6	12.5	21.1
Turbidity(NTU)	82079	14.5	5.8	10	4.5	21	17	8	10.5	7.2	10	16
pH	400	7.53	7.75	6.98	7.59	7.28	7.55	7.93	7.73	7.79	7.57	8.05
Temperature(C)	10	23.12	26.73	23.27	19.02	23.88	19.97	18.22	17.68	20.57	18.8	23.6
Dissolved Oxygen(mg/L)	300	7.26	9.51	6.83	8.87	9.46	8.56	10.72	10	9.38	11.63	9.75
Conductivity(umhos/cm)	94	963	878	907	866	885	905	948	922	975	962	378
Total Phosphorus(mg/L)	665	0.14	0.02	0.07	0.04	0.06	0.07	0.05	0.05	0.05	0.1	0.13
Nitrate-N(mg/L)	630	9.5	10	10.7	10	10.6	10.35	9.5	9.18	11.3	11.4	1
Chloride(mg/L)	940	51	60.5	54.2	54.8	64	61.2	58	56.1	61.6	62.2	19.3
Sulfate(mg/L)	945	56.7	51.6	57	48.2	56.9	70.8	56.5	59.6	61.7	60.1	29.8
Total Hardness(mg/L)	900	319	305	261	306	310	348	317	326	356	333	349
Ammonia-N(mg/L)	610	0.16		0.1		0.04		0.05		0.03		0.03
Chlorophyll a(mg/m ³)	32211	180	180	138	84	156	8	52	104	450	72	19
Total Dissolved Solids(mg/L)	70300	2.3	<1	1.6	<1.0	<1	<1	<1	<1	2.3	2	3.9

Parameter	Parameter Code	Date and 24 hour time										
		5/1/01	6/21/01	7/9/01	8/9/01	9/11/01	10/10/01	11/19/01	12/19/01	1/15/02	2/19/02	3/21/02
		1533	1321	1023	1334	1130	1315	1327	1636	1531	1558	1527
Flow (cfs)	61	5.24	4	4.41	4.42	5.37	4.56	5.1	7.03	4.09	4.29	6.45
Fecal Coliform(org/100mL)	31616	116	108	172	430	1200	348	380	**			
Suspended Solids(mg/L)	530	21.4	5.75	13.1	13.8	40.4	18.2	28.8	17.8	7.4	14.4	19.9
Turbidity(NTU)	82079	20	4.5	7.5	8.5	18	13	17	11	6	5.7	11
pH	400	7.61	7.28	7.44	8.07	7.82	7.46	7.33	7.48	7.69	7.74	7.77
Temperature(C)	10	22.73	23.85	22.56	24.92	22.8	23.28	21.38	19.85	19.34	31.54	21.88
Dissolved Oxygen(mg/L)	300	10.61	9.77	7.02	9.97	8.15	8	7.45	8.75	12.47	12.38	11.93
Conductivity(umhos/cm)	94	920	953	950	930	953	949	901	910	975	920	914
Total Phosphorus(mg/L)	665	0.07	0.04	0.02	0.07	0.15	0.06	0.09	0.19	0.08	12	0.07
Nitrate-N(mg/L)	630	10.8	9.8	12.7	10.9	10.1	10.4	8.3	10.3	11	11.2	10.9
Chloride(mg/L)	940	61.2	38.4	90.7	63.6	79.5		74.1	64	87	69	69.7
Sulfate(mg/L)	945	49.4	46	48.4	41.7	62.4		55.4	37.6	54.8	49.3	58.7
Total Hardness(mg/L)	900	339	318	364	296	337	332	326	318	305	350	358
Ammonia-N(mg/L)	610		<0.02		0.03		0.03		<0.02		0.02	
Chlorophyll a(mg/m ³)	32211	96	102	48	130	740	196	300	99	66	178	365
Total Dissolved Solids(mg/L)	70300	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	1.1	<1	<1

**Fecal Coliform was dropped from the list of parameters analyzed. E. coli is used for the Water

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Parameter	Parameter Code	Date and 24 hour time										
		4/23/02	5/14/02	6/10/02	07/25/02	8/16/02	9/18/02	10/21/02	11/20/02	12/19/02	1/9/03	2/27/03
Flow (cfs)	61	5.47	5.39	4.93	7.43	7.32	7.26	8.26	12.8	15.6	13.8	19.1
E. coli(org/100mL)	31699	17	12.7	15.4	13.5	21.9	10.9	598	135	116	283	248
Suspended Solids(mg/L)	530	7	7.5	6.8	3.8	13	4.8	33.8	6.3	14.7	8.2	17.7
Turbidity(NTU)	82079	7.49	7.61	7.73	7.7	7.22	7.4	22	3.5	5.5	13	5.6
pH	400	21.14	21.07	24.66	25	23.1	24.8	7.69	7.38	7.37	7.78	7.7
Temperature(C)	10	6.75	10.28	10.71	9.4	6.7	8.54	21.5	20.4	19.5	17.9	15.6
Dissolved Oxygen(mg/L)	300	955	940	941	942	8.23	909	7.6	10.21	9.73	10.5	11.8
Conductivity(umhos/cm)	94	0.04	0.03	0.02	18.2	0.08	0.09	817	900	853	858	842
Total Phosphorus(mg/L)	665	11.6	9.95	12.8	0.03	10.4	13	0.14	0.07	0.05	0.05	<0.05
Nitrate-N(mg/L)	630	69.2	69	66.9	63.5	65.1	61.5	7.7	11.8	11.8	11	10.6
Chloride(mg/L)	940	60.1	57	55.4	55.2	63.5	72.3	50.5	52.5	48	44.4	43.4
Sulfate(mg/L)	945	292	323	363	350	356	316	53.8	58.9	56.9	54.3	58.9
Total Hardness(mg/L)	900	0.03		0.03		0.04		341	352	353	333	301
Ammonia-N(mg/L)	610	378	345	130	1203	579	65	0.02		<0.02		<0.02
Chlorophyll a(mg/m ³)	32211	2.8	<1	1.1	2.3	11.6	13.4	<1	<1	<1	<1	<1
Total Dissolved Solids(mg/L)	70300	6.9	3.3	3.1	9.2	<1	<1					
Pheophytin (mg/m ³)								3.2	4.2	1.03	1.13	1.35

Parameter	Parameter Code	Date and 24 hour time					
		3/19/03	4/16/03	5/15/03	6/25/03	7/29/03	8/19/03
Flow (cfs)	61	11.5	10.7	9.1	8.8	7.8	7.87
E. coli(org/100mL)	31699	163	99	156	1497	98	1440
Suspended Solids(mg/L)	530	11.8	5.3	9.3	10.4	9.1	9.3
Turbidity(NTU)	82079	5.4	9	4.5	6.2	3	10.4
pH	400	7.82	7.49	7.59	7.38	7.64	7.65
Temperature(C)	10	20.8	23.7	24.8	26	25.1	26.4
Dissolved Oxygen(mg/L)	300	12.3	11.4	11.3	9.65	7.94	11.5
Conductivity(umhos/cm)	94	862	862	867	869	847	866
Total Phosphorus(mg/L)	665	0.06	<0.05	0.05	0.05	0.03	0.06
Nitrate-N(mg/L)	630	11.8	10.8	12.2	12.6	8.8	11.4
Chloride(mg/L)	940	43.8	46	44.4	42.3	44.8	44.1
Sulfate(mg/L)	945	58.5	60.7	56.9	57.9	56.9	54.3
Total Hardness(mg/L)	900	305	312	313	311	319	318
Ammonia-N(mg/L)	610		0.02		0.02		0.02
Chlorophyll a(mg/m ³)	32211	1.69	<1	<1	1.5	<1	<1
Pheophytin (mg/m ³)	32218	<1					
Total Dissolved Solids(mg/L)			2.32	5.73	<1	4.4	<1

*This site was discontinued in the Clean Rivers Program in Sept. of 2003. Sampling was continued under the Geronimo Creek Watershed Protection Plan in 2008.

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Parameter	Parameter Code	Date and 24 hour time										
		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	10/17/16
Weather Conditions		Dry	Dry	Dry	Dry	Wet	Dry	Wet	Dry	Dry	Dry	Dry
Flow (cfs)	00061	4.1	5.2	4	4.4	4.4	5.4	70	5.1	7	6.6	6.3
E coli (organisms/100 mL)	31699	520	110	180	290	72	1200	6500	200	460	410	320
Suspended Solids (mg/L)	00530	14.9	18.7	8.70	13.5	2.60	9.00	49.0	7.40	12.5	14.8	-
Turbidity (NTU)	82079	10.8	14.2	4.9	9.9	8.6	4.0	67.4	6.5	11	11.6	10.5
pH	00400	7.8	7.9	7.7	7.6	7.4	7.5	7.5	7.5	7.3	7.5	7.5
Temperature (C)	00010	17.5	16.3	16.0	21.4	20.6	21.4	22.0	27.6	23.0	23.6	23.6
Dissolved Oxygen (mg/L)	00300	7.8	9.3	9.3	8.3	7.2	7.7	7.1	9.4	6.6	7.3	6.5
Conductivity (umhos/cm)	00094	772	777	767	768	774	763	214	720	741	760	769
Total Phosphorus (mg/L)	00665	0.03	0.02	0.02	0.04	0.02	0.03	0.27	0.02	0.03	0.03	0.03
Nitrate-N (mg/L)	00620	8.70	10.1	8.71	1.27	9.50	9.16	1.61	11.0	8.20	9.50	9.23
Chloride (mg/L)	00940	33.1	34.1	34.1	31.0	29.7	29.9	3.95	28.1	26.6	23.6	26.0
Sulfate (mg/L)	00945	51.7	54.4	55.4	52.8	51.7	51.5	5.20	49.0	46.3	42.2	47.3
Total Hardness (mg/L)	00900	286	269	284	284	282	272	93.6	267	272	281	298
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	0.24	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	<1.00	<1.00	<1.0	1.46	<1.0	1.99	1.17	1.28	1.81	1.07	<1.00
Pheophytin (mg/m ³)	32218	<1.00	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.00
TKN	00625	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.98	<0.20	<0.20	<0.20	<0.20

Parameter	Parameter Code	Date and 24 hour time			
		11/15/16	12/8/16	1/25/17	2/16/17
Weather Conditions		Dry	Wet	Dry	Wet
Flow (cfs)	00061	7.1	11	7.3	7.9
E coli (organisms/100 mL)	31699	320	330	170	490
Suspended Solids (mg/L)	00530	19.3	10.4	9.70	9.90
Turbidity (NTU)	82079	12.8	11.7	7.9	9.2
pH	00400	7.4	7.4	7.5	8.3
Temperature (C)	00010	20.6	16.6	19.4	19.7
Dissolved Oxygen (mg/L)	00300	7.7	9.2	9.7	9.9
Conductivity (umhos/cm)	00094	769	705	736	774
Total Phosphorus (mg/L)	00665	0.04	0.08	0.03	0.03
Nitrate-N (mg/L)	00620	9.48	8.54	9.60	9.88
Chloride (mg/L)	00940	26.2	27.2	29.0	25.4
Sulfate (mg/L)	00945	47.8	46.4	51.5	46.6
Total Hardness (mg/L)	00900	280	264	283	247
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m ³)	32211	<1.00	1.78	1.07	1.30
Pheophytin (mg/m ³)	32218	<1.00	<1.00	<1.00	<1.00
TKN	00625	<0.20	<0.20	<0.20	<0.20