



Station Name Geronimo Creek @ SH 123  
 TNRCC Segment No. 1804A  
 TNRCC Station Id No. 14932  
 Monitoring Type Routine  
 Latitude 29.669666 Longitude -97.966174

Parameter	Parameter Code	Date and 24 hour time										
		7/14/99 1422	8/23/99 1550	9/14/99 1515	10/19/99 1420	11/29/99 1501	12/14/99 1528	1/18/00 1411	2/14/00 1530	15/20/00 1427	4/18/00 1411	5/25/00 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 <sup>3</sup> )	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

Parameter	Parameter Code	Date and 24 hour time										
		6/28/00 1128	7/19/00 1512	8/13/00 1113	9/26/00 1008	10/31/00 1432	11/28/00 900	12/18/00 1412	1/15/01 1513	2/21/01 1329	3/22/01 1124	4/17/01 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 <sup>3</sup> )	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 1533	6/21/01 1321	7/9/01 1023	8/9/01 1334	9/11/01 1130	10/10/01 1315	11/19/01 1327	12/19/01 1636	1/15/02 1531	2/19/02 1558	3/21/02 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 <sup>3</sup> )	32211	96	102	48	130	740		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 <sup>3</sup> )	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 <sup>3</sup> )								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 <sup>3</sup> )	32211	1.69	<1	<1	1.5	<1	<1
Pheophytin (mg/m <sup>3</sup> )	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.





