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 10/14/96 1333	11/4/96 1506	12/9/96 1444	1/20/97 1519	2/27/97 850	3/18/97 1355	4/21/97 1502	5/30/97 945	6/16/97 1530	7/18/97 1015	8/26/97 1430
Flow (cfs)	61	3.44	2.31	2.55	2.53	2.2	2.42	2.18	2.32	1.9	1.33	1.81
Fecal Coliform(org/100mL)	31616	192	64	60	132	368	525	136	172	162	312	196
Suspended Solids(mg/L)	530	13	12.2	9.8	10.6	22	23.5	13.8	33	13	21.3	14.1
Turbidity(NTU)	82079	7.7	7.1	6.4	4.9	22	15.5	5.3	18.5	7.6	8.5	5.1
pH	400	7.45	7.69	7.95	7.97	7.64	8.2	7.93	6.54	7.45	7.6	7.59
Temperature(C)	10	21.93	20.06	18.6	17.26	14.73	20.58	22.9	21.56	24.7	22.62	24.12
Dissolved Oxygen(mg/L)	300	7.37	8.47	9.71	10.09	8.83	9.26	8.94	6.54	7.47	5.4	8.37
Conductivity(umhos/cm)	94	952	946	964	972	984	957	969	994	986	1013	755
Total Phosphorus(mg/L)	665	0.14	0.05	0.13	0.09	0.14	0.06	<0.05	0.06	0.09	0.39	0.14
Nitrate-N(mg/L)	630	8.5	8.95	9.3	8.3	7.8	9.1	9.3	10	16.9	9.1	7.7
Chloride(mg/L)	940	75.8	70.6	86.7	69.9	93.4	69.8	86.5	85.5	67.8	72.6	64.1
Sulfate(mg/L)	945	54.2	66.3	67.4	58.1	70.8	58.5	80.2	82.5	91.5	235	62
Total Hardness(mg/L)	900	254	324	320	306	333	330	296	315	364	347	325
Ammonia-N(mg/L)	610	0.06		0.05		0.08		0.07		0.06		0.04
E. coli(org/100mL)	31648	160	39	44	0	244	438	136	156	150	225	40
Chlorophyll a(mg/m^3)	32211	<1.0	<1.0	<1.0	1.33	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0

Parameter	Parameter Code	Date and 24 hour time 9/30/97 1430	10/21/97 1410	11/19/97 1527	12/10/97 1423	1/12/98 1511	2/9/98 1445	3/18/98 1314	4/13/98 1415	5/18/98 1532	6/23/98 1041	7/13/98 1515
Flow (cfs)	61	1	2.27	1.12	2.46	2.8	2.67	3.7	2.81	2.57	2.28	2
Fecal Coliform(org/100mL)	31616	88	124	375	172	412	240	1400	538	248	275	247
Suspended Solids(mg/L)	530	13	8.7	13	14.6	16.8	11.2	27.1	10.3	12.8	11.9	9.4
Turbidity(NTU)	82079	6	12	12	8.6	6.8	6.7	26.5	5.4	7.3	16.8	4.6
pH	400	7.8	7.71	8	7.82	7.64	7.78	7.8	7.96	7.85	7.5	7.6
Temperature(C)	10	23.98	21.98	17.09	16.8	20.55	18.42	21.24	21.55	23.17	23.91	25.37
Dissolved Oxygen(mg/L)	300	8.42	9	9.15	10.12	8.87	11.65	9.07	8.61	9.3	6.02	7.56
Conductivity(umhos/cm)	94	1012	966	943	941	935	960	795	941	900	928	856
Total Phosphorus(mg/L)	665	<0.05	0.06	0.06	0.08	<0.05	<0.05	0.19	<0.05	0.14	<0.01	<0.01
Nitrate-N(mg/L)	630	8.1	11.3	8.4	8.8	8.5	9.2	9.6	8.2	5.2	8.6	9.2
Chloride(mg/L)	940	60.4	61	68	67.8	60	65	50.6	72	64.8	64	54.1
Sulfate(mg/L)	945	67	73.1	72	66.6	53.5	11.6	82.2	65.5	54	63	51.9
Total Hardness(mg/L)	900	319	286	346	302	305	306	285	312	293	385	220
Ammonia-N(mg/L)	610		0.13		0.1		0.1		0.12		0.11	
E. coli(org/100mL)	31648	38	76	362	148	350	140	1200	600	244	212	48
Chlorophyll a(mg/m^3)	32211	<1.0	<1.0	<1.0	1.3	<1.0	2	1.3	<1.0	<1.0	<1.0	<1.0

Parameter	Parameter Code	Date and 24 hour time 8/26/98 1115	9/25/98 930	10/30/98 1300	11/30/98 1403	12/09/98 1529	1/20/99 856	2/09/99 1450	3/17/99 1430	4/15/99 855	5/19/99 1717	6/09/99 1331
Flow (cfs)	61	2.41	3.14	7	8.2	8.3	6.2	5.93	5.8	4.73	4.8	4.47
Fecal Coliform(org/100mL)	31616	975	676	308	100	84	101	204	36	85	58	84
Suspended Solids(mg/L)	530	23.3	20.2	8.1	7.4	17.4	19.6	18.7	18.7	21.2	15.7	14.2
Turbidity(NTU)	82079	7.2	17	3.3	3.8	8.7	13	9.3	9.3	16.5	11	12
pH	400	7.57	7.06	7.63	7.53	7.34	7.68	7.51	8.04	7.23	7.33	7.64
Temperature(C)	10	23.97	23.02	22.92	21.18	18.76	18.06	22.83	20.96	18	22.37	23.45
Dissolved Oxygen(mg/L)	300	6.16	6.43	6.16	7.61	7.32	7.16	9.14	9.96	7.17	8.99	8.28
Conductivity(umhos/cm)	94	912	817	988	964	940	970	906	941	919	833	882
Total Phosphorus(mg/L)	665	0.13	0.09	0.05	0.01	<0.01	0.1	0.04	0.11	0.06	0.1	0.13
Nitrate-N(mg/L)	630	7.5	8.6	9	11	9.2	10	12.2	5.8	12.9	6.57	10.5
Chloride(mg/L)	940	58.6	64	72.9	65.7	60.7	60.3	58.6	56.2	53.8	51.8	53.9
Sulfate(mg/L)	945	57.2	75	71	59.2	35	50	53.6	54.7	46.8	56	60.5
Total Hardness(mg/L)	900	311	247	261	253	331	287	254	322	342	252	337
Ammonia-N(mg/L)	610	0.11		0.06		0.05		0.04		0.13		0.14
E. coli(org/100mL)	31648	300	262	112	64	84	88	176	32	40	40	28
Chlorophyll a(mg/m^3)	32211	<1.0	<1.0	<1.0	<1.0	<1.0	1	<1.0	1.6	2.9	1.1	2.4
Total Dissolved Solids(mg/L)	70300			660								

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

Date and 24 hour time

Parameter	Parameter Code	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^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

Date and 24 hour time

Parameter	Parameter Code	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^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

Date and 24 hour time

Parameter	Parameter Code	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^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

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	4/23/02 925	5/14/02 1351	6/10/02 1415	07/25/02 1353	8/16/02 857	9/18/02 1535	10/21/02 1645	11/20/02 1323	12/19/02 1630	1/9/03 902	2/27/03 1330
		Date and 24 hour time										
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	3/19/03 1407	4/16/03 1700	5/15/03 1513	6/25/03 1538	7/29/03 1435	8/19/03 1615
		Date and 24 hour time					
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.

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

Date and 24 hour time

Parameter	Parameter Code	9/24/08 1317	11/25/08 1204	12/15/08 1126	1/27/09 1313	2/24/09 1558	3/31/09 1246	4/29/09 1213	5/26/09 1152	6/29/09 1213	7/20/09 1118	8/10/09 1154
Season		Fall	Fall	Winter	Winter	Winter	Spring	Spring	Spring	Summer	Summer	Summer
Weather Conditions		Wet	Wet	Wet	Wet	Dry	Wet	Wet	Wet	Dry	Dry	Dry
Flow (cfs)	00061	4.3	3.4	5	2.3	3	4.1	3.6	3.6	1.6	3.3	3.4
E coli (organisms/100 mL)	31699	250	460	727	330	260	520	670	740	220	190	640
Suspended Solids (mg/L)	00530	18	17.3	21	25.7	19.7	31.3	35	24.7	24	28.3	25.3
Turbidity (NTU)	82079	8.74	12.7	15	18.8	23.5	26.8	21.4	7.85	20.6	12.6	19.1
pH	00400	7.5	7.5	7.6	7.6	7.8	7.5	7.6	7.6	7.5	7.5	7.9
Temperature (C)	00010	23.2	17.1	16.9	19.5	21.2	19	21.9	21.8	24.1	24.4	27.2
Dissolved Oxygen (mg/L)	00300	9.2	9.1	7.7	7.2	12.8	8.2	7	7.6	7.5	5.5	6.5
Conductivity (umhos/cm)	00094	845	824	840	836	818	842	841	839	839	833	830
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	9.38	12	10.1	8.79	9.44	9.5	9.2	8.68	7.2	7.76	7.72
Chloride (mg/L)	00940	38.9	39	41.1	46.6	41.9	40.2	44	45.2	39.5	31.8	36.8
Sulfate (mg/L)	00945	50	54	57	63.8	58.2	57.6	65.8	65.5	65.3	50.9	58.7
Total Hardness (mg/L)	00900	273	319	315	317	304	318	310	321	308	306	306
Ammonia-N (mg/L)	00610	<0.10	<0.10	0.12	<0.10	<0.10	<0.1	0.13	<0.10	0.15	<0.10	0.14
Chlorophyll a (mg/m^3)	32211	1.6	<1.0	<1.0	2	1	<1.0	<1.0	<1.0	1.1	1.3	<1.0
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.1

Date and 24 hour time

Parameter	Parameter Code	9/14/09 1016	10/6/09 1119	11/11/09 1303	12/8/09 1413	1/15/10 1139	2/8/10 1545	3/8/10 1354	3/11/10 1137	4/19/10 1430	5/17/10 1113	6/17/10 1603
Season		Fall	Fall	Fall	Winter							
Weather Conditions		Wet	Wet	Wet	Wet			Wet			Wet	
Flow (cfs)	00061	2.9	3.6	2.6	2.9		2.2	3.1		2.9	4.9	3.6
E coli (organisms/100 mL)	31699	990	500	180	480	8700	320		220	3480	440	280
Suspended Solids (mg/L)	00530	50	22.3	15.3	35	63	39	22.7		87.5	37.7	13.3
Turbidity (NTU)	82079	32.5	35.6	13.2	25.8	58.6	31	8.1		67.1	30.7	16.6
pH	00400	7.5	7.5	7.6	7.5	7.6	7.6	7.6		7.6	7.6	7.7
Temperature (C)	00010	22.7	24.8	20.6	16.8	12.8	19.1	17.2		20.4	23.1	26.3
Dissolved Oxygen (mg/L)	00300	5.8	6.3	12.3	8.6	8.6	10.5	8.9		9.7	7	9.6
Conductivity (umhos/cm)	00094	849	568	860	873	393	826	908		765	582	830
Total Phosphorus (mg/L)	00665	<0.05	0.16	<0.05	0.05	0.34	0.05	<0.05		0.11	0.13	<0.05
Nitrate-N (mg/L)	00620	9.4	0.09	9.76	10.8	2.32	9.08	9.44		3.2	5.12	8.4
Chloride (mg/L)	00940	36.9	21.1	41.3	42.8	23.1	41.3	44.4		16.6	25.9	45.4
Sulfate (mg/L)	00945	57.6	35.7	63.5	70.6	33.3	68.9	66		32.2	39	69
Total Hardness (mg/L)	00900	321	211	321	328	186	305	322		281	226	321
Ammonia-N (mg/L)	00610	0.24	0.17	<0.10	0.1	0.13	<0.10	<0.10		0.11	0.16	0.15
Chlorophyll a (mg/m^3)	32211	<1.0	<1.0	<1.0	1.1	6.3	<1.0	1.2		1.1	1.3	1.2
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	1		<1.0	<1.0	2.3
TKN	00625											

Date and 24 hour time

Parameter	Parameter Code	7/20/10 1027	8/9/10 930	9/24/12 1259	10/18/13 1227	11/27/12 1258	12/11/12 1429	1/2/13 1321	2/6/13 1414	3/25/13 1259	4/16/13 1306	5/13/13 1154
Weather Conditions												Dry
Flow (cfs)	00061	3.8	3.5	2.1	2.3	2.5	2.6	2.5	2.6	2.1	2.2	1.6
E coli (organisms/100 mL)	31699	410	200	140	920	230	140	300	411	200	370	330
Suspended Solids (mg/L)	00530	10	16	24.7	22.0	28.6	27.0	29.0	21.6	28.0	38.5	29.8
Turbidity (NTU)	82079	16.6	16.3	19.7	15.4	20.9	19.5	23.0	19.3	21.3	27.2	24.9
pH	00400	7.4	7.5	7.8	7.8	7.8	8.0	7.4	7.6	7.8	7.6	7.5
Temperature (C)	00010	23.8	23.9	23.4	21.2	17.8	15.4	14.0	20.3	14.9	21.7	20.7
Dissolved Oxygen (mg/L)	00300	10.4	7	7.2	7.0	8.2	9.4	9.1	9.0	9.5	6.5	7.1
Conductivity (umhos/cm)	00094	867	740	834	849	824	825	809	802	800	808	802
Total Phosphorus (mg/L)	00665	<0.05	<0.05	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.04
Nitrate-N (mg/L)	00620	7.8	9.24	9.16	9.72	8.96	8.80	8.50	8.90	8.10	7.90	7.70
Chloride (mg/L)	00940	48.6	50.2	39.2	40.5	36.5	36.5	35.4	36.4	36.4	37.2	35.3
Sulfate (mg/L)	00945	71.8	73.2	65.5	67.2	59.7	59.7	58.4	59.5	60.0	61.9	59.1
Total Hardness (mg/L)	00900	314	311	298	294	295	297	298	294	287	294	294
Ammonia-N (mg/L)	00610	<0.10	0.12	0.20	0.13	0.34	0.16	0.30	0.14	0.15	0.10	0.23
Chlorophyll a (mg/m^3)	32211	<1.0	<1	1.11	<1.00	<1.00	<1.00	3.15	<1.0	2.63	<1.0	1.34
Pheophytin (mg/m^3)	32218	<1.0	1.2	1.16	4.78	9.32	<1.00	<1.00	2.44	1.46	1.85	2.40
TKN	00625			<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Station Name Geronimo Creek @ SH 123

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

		Date and 24 hour time										
	Parameter	6/12/13	7/24/13	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
Parameter	Code	1230	1151	1052	1305	1229	1111	1054	1509	1102	1554	1155
Weather Conditions		Dry	Dry	Dry	Dry	Wet	Wet	Dry	Wet	Dry	Dry	Dry
Flow (cfs)	00061	1.7	1.8	2.0	2.3	3.5	2.8	2.2	2.3	2.1	2.3	1.5
E coli (organisms/100 mL)	31699	130	160	130	270	380	170	1400	160	370	1300	650
Suspended Solids (mg/L)	00530	12.4	15.3	12.3	23.6	33.6	17.6	20.5	13.6	19.6	14.7	18.0
Turbidity (NTU)	82079		10.3	10.3	17.8	26.4	14.0	13.8	10.0	13.2	10.5	12.1
pH	00400	7.2	7.6	7.4	7.4	7.6	7.6	7.6	7.7	7.6	7.5	7.7
Temperature (C)	00010	23.4	25.2	25.9	24.9	21.8	20.5	19.7	14.2	14.1	12.5	14.6
Dissolved Oxygen (mg/L)	00300	6.7	7.6	5.7	6.2	6.5	7.1	7.3	8.6	8.8	10.9	9.6
Conductivity (umhos/cm)	00094	805	789	607	779	764	791	815	805	842	826	809
Total Phosphorus (mg/L)	00665	0.02	0.02	0.02	0.03	0.04	0.03	0.03	0.02	0.03	0.02	0.05
Nitrate-N (mg/L)	00620	7.50	6.30	6.20	7.10	7.60	7.90	8.40	8.30	7.90	8.60	7.00
Chloride (mg/L)	00940	35.2	35.9	35.2	35.3	34.7	36.1	36.9	35.0	36.7	36.5	37.0
Sulfate (mg/L)	00945	58.7	58.7	56.2	56.8	55.8	60.3	61.4	58.1	62.7	60	61.1
Total Hardness (mg/L)	00900	290	272	272	285	286	282	290	286	293	286	282
Ammonia-N (mg/L)	00610	0.14	0.13	0.11	0.17	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	0.29
Chlorophyll a (mg/m^3)	32211	<1.0	1.48	1.45	<1.0	<1.0	1.25	<1.0	<1.0	7.16	<1.0	---
Pheophytin (mg/m^3)	32218	1.58	<1.0	<1.0	1.40	<1.0	<1.0	<1.0	<1.0	<1.0	2.61	---
TKN	00625	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.2

		Date and 24 hour time										
	Parameter	4/7/14	5/6/14	5/14/14	6/11/14	7/21/14	8/12/14	9/10/14	10/13/14	11/5/14	12/8/14	1/14/15
Parameter	Code	1104	1128	1325	1508	1322	1639	1535	1555	1321	1223	1059
Weather Conditions		Dry	Dry	Wet	Dry	Dry	Dry	Wet	Wet	Wet	Dry	Dry
Flow (cfs)	00061	1.3	1.2	4.0	1.7	1.2	1.3	1.1	0.8	2.2	1.4	1.7
E coli (organisms/100 mL)	31699	1300	400	11600	200	260	280	490	180	4600	520	280
Suspended Solids (mg/L)	00530	32.6	14.7	132	11.8	12.4	17.2	28.0	19.9	19.8	15.4	17.7
Turbidity (NTU)	82079	23.2	17.8	160	12.1	13.4	13.4	20.1	11.9	13.1	11.3	14.1
pH	00400	7.7	7.6	7.5	7.3	7.3	7.7	7.5	7.8	7.6	7.6	7.8
Temperature (C)	00010	16.8	21.0	18.5	24.0	25.9	26.4	26.8	22.9	18.7	16.9	11.6
Dissolved Oxygen (mg/L)	00300	8.0	6.0	8.0	7.4	5.9	5.2	6.7	7.4	7.1	7.8	9.6
Conductivity (umhos/cm)	00094	816	767	437	839	789	772	766	703	702	788	773
Total Phosphorus (mg/L)	00665	0.02	0.03	0.20	0.02	0.02	<0.02	0.02	0.02	0.04	0.03	0.02
Nitrate-N (mg/L)	00620	7.50	7.40	4.40	6.90	6.80	6.40	6.40	7.00	5.98	6.8	7.40
Chloride (mg/L)	00940	38.2	35.5	15.7	37.4	34.2	33.9	33.3	32.6	33.3	34.0	37.1
Sulfate (mg/L)	00945	63.5	59.4	26.7	64.3	57.9	56.1	53.1	51.5	52.6	56.0	58.9
Total Hardness (mg/L)	00900	290	283	175	285	270	272	273	281	255	278	288
Ammonia-N (mg/L)	00610	0.30	0.36	0.35	0.24	0.21	0.18	0.45	0.15	0.18	0.25	<0.10
Chlorophyll a (mg/m^3)	32211	<1.0	<1.0	2.76	<1.0	<1.0	<1.00	<1.0	1.81	1.93	<1.0	<1.0
Pheophytin (mg/m^3)	32218	<1.0	<1.0	4.47	<1.0	4.76	1.10	<1.0	<1.0	<1.0	<1.0	<1.0
TKN	00625	0.380	<0.2	0.993	<0.20	<0.20	0.24	<0.20	<0.20	0.68	<0.20	<0.20

		Date and 24 hour time										
	Parameter	1/28/15	2/10/15	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
Parameter	Code	1202	1218	1232	1411	1235	1501	1231	1124	1016	1148	1244
Weather Conditions		Wet	Wet	Dry	Dry	Wet	Dry	Dry	Dry	Dry	Wet	Wet
Flow (cfs)	00061	2.3	2.2	2.2	2.2	6.2	3.4	3.8	3.6	3.8	3.4	4.3
E coli (organisms/100 mL)	31699	360	310	310	7700	390	340	580	250	460	260	2000
Suspended Solids (mg/L)	00530	21.1	15.7	22.4	33.0	31.6	7.30	10.5	15.6	20.2	20.0	16.5
Turbidity (NTU)	82079	18.2	12.9	15.9	28.9	27.6	5.4	8.6	12.4	16.8	13.8	12.1
pH	00400	7.6	7.7	7.7	7.4	7.5	7.6	7.7	7.4	7.5	7.7	7.6
Temperature (C)	00010	15.5	16.8	18.1	21.2	24.2	24.2	23.6	23.1	23.4	20.3	21.1
Dissolved Oxygen (mg/L)	00300	9.5	8.4	8.3	6.0	6.1	10.6	7.9	6.6	6.3	7.5	6.9
Conductivity (umhos/cm)	00094	764	771	779	743	464	827	821	810	793	770	736
Total Phosphorus (mg/L)	00665	0.04	0.02	0.03	0.06	0.17	0.02	0.02	<0.02	0.02	0.03	0.06
Nitrate-N (mg/L)	00620	7.20	7.00	7.20	6.90	4.30	9.10	9.40	9.20	9.14	9.52	8.32
Chloride (mg/L)	00940	36.8	35.2	35.3	34.9	21.7	38.5	38.2	34.8	32.6	31.0	31.0
Sulfate (mg/L)	00945	59.7	58.9	60.2	59.1	37.3	61.3	62.7	56.0	51.1	48.1	48.7
Total Hardness (mg/L)	00900	294	276	273	277	233	291	302	284	288	289	274
Ammonia-N (mg/L)	00610	0.16	<0.10	0.12	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	<1.0	<1.0	7.74	<1.0	1.64	1.48	<1.00	13.2	<1.00	<1.00	<1.00
Pheophytin (mg/m^3)	32218	<1.0	<1.0	<1.0	1.45	<1.0	1.42	<1.00	8.51	1.74	<1.00	<1.00
TKN	00625	<0.20	0.260	<0.20	<0.20	0.55	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

		Date and 24 hour time										
	Parameter	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
Parameter	Code	1045	1220	1208	1329	1253	1311	1027	1550	1306	1238	1230
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

		Date and 24 hour time										
	Parameter	11/15/16	12/8/16	1/25/17	2/16/17	3/20/17	4/6/17	5/9/17	6/13/17	7/13/17	8/14/17	9/13/17
Parameter	Code	1107	1424	1322	1338	1138	1222	1100	1311	1448	1340	1358
Weather Conditions		Dry	Wet	Dry	Wet	Dry	Dry	Dry	Dry	Dry	Dry	Dry
Flow (cfs)	00061	7.1	11	7.3	7.9	11.0	10	8.4	8.2	7.5	7.2	8.7
E coli (organisms/100 mL)	31699	320	330	170	490	340	160	610	180	610	340	240
Suspended Solids (mg/L)	00530	19.3	10.4	9.70	9.90	12.0	13.9	10.4	7.90	9.50	18.7	5.70
Turbidity (NTU)	82079	12.8	11.7	7.9	9.2	8.5	10.2	7.3	8.2	6.8	13.2	4.7
pH	00400	7.4	7.4	7.5	8.3	7.4	7.4	7.3	7.4	7.5	7.5	7.5
Temperature (C)	00010	20.6	16.6	19.4	19.7	21.2	20.1	21.5	23.7	25.4	24.8	22.2
Dissolved Oxygen (mg/L)	00300	7.7	9.2	9.7	9.9	7.7	8.5	7.0	7.6	9.4	7.8	7.4
Conductivity (umhos/cm)	00094	769	705	736	774	738	777	771	770	683	757	766
Total Phosphorus (mg/L)	00665	0.04	0.08	0.03	0.03	0.03	<0.02	0.03	0.02	0.02	0.04	0.02
Nitrate-N (mg/L)	00620	9.48	8.54	9.60	9.88	9.62	8.91	11.0	11.3	10.4	9.82	11.1
Chloride (mg/L)	00940	26.2	27.2	29.0	25.4	27.2	27.7	27.8	28.5	26.7	27.5	29.0
Sulfate (mg/L)	00945	47.8	46.4	51.5	46.6	52.2	49.1	50.4	52.9	46.2	45.9	48.4
Total Hardness (mg/L)	00900	280	264	283	247	287	267	286	285	266	291	285
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	0.94	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	<1.00	1.78	1.07	1.30	1.07	<1.00	3.17	<1.00	<1.00	1.25	<1.00
Pheophytin (mg/m^3)	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	<0.20	<0.20	0.181	<0.20	<0.20	<0.20	2.17	<0.20	<0.20

		Date and 24 hour time						
	Parameter	10/16/17	2/22/18	3/15/18	4/16/18	5/7/18	6/20/18	7/5/18
Parameter	Code	1144	1222	1200	1245	1210	1135	1430
Weather Conditions		Dry	Dry	Dry	Dry	Wet	Dry	Dry
Flow (cfs)	00061	8.0	7.7	7.5	7.9	8.3	7	6.4
E coli (organisms/100 mL)	31699	220	520	1000	1700	690	240	200
Suspended Solids (mg/L)	00530	15.3	7	10.60	9.40	9.3	24.1	19.8
Turbidity (NTU)	82079	10.3	7.9	7	5.1	4.2	11.4	11.8
pH	00400	7.6	7.6	7.4	7.8	7.6	7.5	7.5
Temperature (C)	00010	20.2	16.6	18.8	20.2	21.4	22.8	24.8
Dissolved Oxygen (mg/L)	00300	8.0	8.5	8.6	8.2	7.6	6.7	5.7
Conductivity (umhos/cm)	00094	779	771	779	773	767	756	741
Total Phosphorus (mg/L)	00665	0.02	0.03	0.03	0.02	0.03	0.03	0.03
Nitrate-N (mg/L)	00620	11.3	10.50	10.80	10.90	10.90	10.30	9.7
Chloride (mg/L)	00940	28.9	29.6	27.9	29.2	29.7	28.1	27.2
Sulfate (mg/L)	00945	49.1	50.1	46.4	50.4	50.1	46.2	44.7
Total Hardness (mg/L)	00900	294	292	291	290	290	289	283
Ammonia-N (mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a (mg/m^3)	32211	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.01
Pheophytin (mg/m^3)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	1.72	<1.00
TKN	00625	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20