TABLE 5

TNRCC Segment 1803
TNRCC Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

Parameter	Parameter Code	Date and 24 hour time 5/29/90 1510	6/26/90 1530	7/23/90 945	8/8/90 1439	9/10/90 1310	10/8/90 1400	11/6/90 1340	12/5/90 1330	1/22/91 1419	2/12/91 1430	3/20/91 1530	4/16/91 1530
Flow (cfs)		1120	526	907	1030	933	459	550	537	8290	1480	1330	10300
Fecal Coliform(org/100mL)	31616	40	10	725	104	262	28	92	20	2600	150	60	2100
Suspended Solids(mg/L)	530	54.1	18	87.5	74.9	24.6	12.4	17.6	13.5	463	59	37.9	376
Turbidity(NTU)	82079	37	16	46	42	18	8.5	12	8	250	40	20	160
pH	400	7.94	8.08	7.84	7.96	7.96	7.83	8.15	7.8	8.01	7.77	8.26	7.71
Temperature(C)	10	29.51	31.54	28.28	30.1	28.41	28.51	18.18	14.45	10.2	16.89	18.94	22.7
Dissolved Oxygen(mg/L)	300	8.26	11.45	6.7	7.29	7.06	7.64	9.19	9.91	9.76	10.51	9.08	5.27
Conductivity(umhos/cm)	94	463	444	467	476	460	469	532	503	245	431	508	265
Total Phosphorus(mg/L)	665	0.26	0.07	0.29	0.25	0.13	0.09	0.11	0.13	1.47	0.27	0.22	1
Nitrate-N(mg/L)	620	0.32	0.35	1.4	0.7	0.46	0.55	0.3	1.13	3.2	1.3	0.15	1.49
Water Quality Index		84.07	88.32	0	76.71	52.42	88.01	85.94	90.66	0	79.1	86.47	0

Parameter	Parameter Code	Date and 24 hour time 5/14/91 1422	6/3/91 1342	7/9/91 1435	8/8/91 1315	9/3/91 1405	10/15/91 1555	11/21/91 1514	1/14/92 1522	3/16/92 1438	4/27/92 1454	5/12/92 1658	6/10/92 1448
Flow (cfs)		2510	1540	1660	794	807	884	950	8540	8930	6980	3000	12200
Fecal Coliform(org/100mL)	31616	275	15	242	48	1038	875	148	256	164	194	48	625
Suspended Solids(mg/L)	530	141	35.4	53	12.8	60	17.3	21.4	158	170	184	47.1	180
Turbidity(NTU)	82079	66	24	42.5	15	32.5	16	17	64	73	74	25	82
pH	400	8.06	8	7.74	7.09	7.87	8.45	7.96	8.08	8.11	8.1	7.92	7.5
Temperature(C)	10	24.29	29.83	29.2	28.11	28.53	23.86	16.7	13.83	17.6	22.55	23.17	26.51
Dissolved Oxygen(mg/L)	300	7.22	7.06	6.35	8.12	6.98	8.24	8.89	9.75	8.99	7.85	7.52	6.14
Conductivity(umhos/cm)	94	210	494	362	499	497	553	500	454	512	550	611	350
Total Phosphorus(mg/L)	665	0.41	0.11	0.38	0.09	0.17	0.1	0.14	0.3	0.26	0.11	0.1	0.43
Nitrate-N(mg/L)	620	0.28	0.74	0.72	0.59	0.6	0.81	0.85	1.26	1.29	1.2	1.4	1.18
Water Quality Index		44.16	84.32	54.43	89.55	0.00	0.00	79.08	48.14	67.91	61.76	86.75	0

Parameter	Parameter Code	Date and 24 hour time 7/28/92 1415	8/17/92 1445	9/15/92 1535	10/20/92 1502	11/24/92 1444	12/15/92 1529	1/20/93 1413	2/24/93 1315	3/24/93 1437	4/22/93 1649	5/27/93 1500	6/23/93 1417
Flow (cfs)		2570	2090	1750	1240	3150	1420	1820	1850	3590	1490	10400	7440
Fecal Coliform(org/100mL)	31616	78	388	64	40	575	250	84	56	5000	12	1900	5300
Suspended Solids(mg/L)	530	56.1	64.60	34.20	20.40	54.80	8.90	18.10	27.20	99.7	20.2	58.4	294
Turbidity(NTU)	82079	35	43.0	27.0	22.0	43.0	10.0	20.0	18.0	58	22	38	102
pH	400	8.06	8.33	8.07	7.94	8.08	8.35	7.90	8.51	7.91	7.85	8.07	7.92
Temperature(C)	10	29.16	28.47	28.16	22.86	17.51	14.32	13.06	16.23	18.8	21.53	23.5	27.08
Dissolved Oxygen(mg/L)	300	6.9	6.85	6.75	8.08	8.60	8.92	9.77	9.08	8.04	8.81	7.07	5.73
Conductivity(umhos/cm)	94	544	556	578	590	517	587	590	543	493	575	464	353
Total Phosphorus(mg/L)	665	0.14	0.17	0.11	0.10	0.21	0.16	0.11	0.10	0.7	0.11	0.24	0.49
Nitrate-N(mg/L)	620	1.34	1.06	1.10	0.93	1.40	1.30	1.22	1.20	0.97	1.2	0.98	0.9
Water Quality Index		80.04	6.59	82.71	89.14	0.00	55.47	84.95	84.58	0	91.21	0	0

TABLE 5 (Cont)

TNRCC Segment 1803
TNRCC Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

Parameter	Parameter Code	Date and 24 hour time 7/19/93 1444	8/10/93 1513	9/28/93 1625	10/15/93 1421	11/16/93 1535	12/28/93 1745	1/18/94 1445	2/22/94 1501	3/22/94 1424	4/22/94 1435	5/17/94 1615	6/20/94 1822
Flow (cfs)		1060	949	746	838	922	940	844	928	1190	989	14300	
Fecal Coliform(org/100mL)	31616	20	24	20	194	24	26	100	48	68	24	4500	36
Suspended Solids(mg/L)	530	19	18.8	15	19.2	14.5	12.8	14	20.1	33.8	29	1036	23.6
Turbidity(NTU)	82079	10.7	7.5	6.9	15	7.7	6	8.5	20	30	25	620	22
pH	400	7.82	8.2	7.45	7.99	8.12	8.11	8.3	8.17	8.02	8.17	7.51	8.01
Temperature(C)	10	30.4	31.3	26.76	24.52	17.98	13.36	13.54	17.8	21.37	22.42	22.93	29.23
Dissolved Oxygen(mg/L)	300	7.6	7.81	7.98	7.63	8.45	10.01	10.18	8.9	7.63	7.99	5.08	7.22
Conductivity(umhos/cm)	94	557	553	561	594	584	582	561	520	550	549	282	513
Total Phosphorus(mg/L)	665	0.08	0.06	0.08	0.07	0.10	0.02	0.02	0.15	0.19	0.14	1.85	0.11
Nitrate-N(mg/L)	620	0.77	1.1	0.8	1.0	0.8	1.3	2.7	1.5	1.3	0.49	1.3	0.93
Water Quality Index		85.87	83.26	90.50	70.28	89.13	88.18	82.51	88.06	85.99	88.04	0	84.94

Parameter	Parameter Code	Date and 24 hour time 7/19/94 1542	8/23/94 939	9/20/94 912	10/18/94 1013	11/29/94 1416	12/13/94 1005	1/16/95 1005	2/7/95 1000	3/14/95 943	4/26/95 916	5/30/95 918	6/12/95 942
Flow (cfs)													
Fecal Coliform(org/100mL)	31616	6	20	39	4200	38	20	74	28	32600	20	215	56
Suspended Solids(mg/L)	530	12.9	32.6	15	133	22.4	11.1	27.8	6.6	516	22.8	27.5	52.1
Turbidity(NTU)	82079	23	22	15	76	17	7	22	3.6	93	13	20	29
pH	400	8	7.77	7.8	7.62	7.91	8.14	8.11	8.01	7.81	8.18	8.02	8.11
Temperature(C)	10	32.04	29.57	25.91	22.75	19.14	15.55	15.09	15.02	17.16	22.25	27.72	27.62
Dissolved Oxygen(mg/L)	300	7.56	6.17	6.34	7.97	8.52	9.62	9.22	10.76	7.43	8.14	8.18	6.76
Conductivity(umhos/cm)	94	524	537	533	314	564	530	528	621	330	590	540	480
Total Phosphorus(mg/L)	665	0.07	0.08	0.07	0.37	0.13	0.09	0.18	0.04	1.04	0.18	0.13	0.31
Nitrate-N(mg/L)	620	0.56	0.6	0.99	1.2	1.54	1.43	1.2	1.2	1.07	1.31	1.2	0.8
Water Quality Index		83.75	84.54	87.5	0	89.63	89.54	85.24	90.94	0	88.37	64.45	82.1

Parameter	Parameter Code	Date and 24 hour time 7/17/95 920	8/21/95 924	9/25/95 913	10/17/95 939	11/27/95 950	12/18/95 945	1/8/96 1440	2/12/96 946
Flow (cfs)									
Fecal Coliform(org/100mL)	31616	6	10	8	16	22	312	8	31
Suspended Solids(mg/L)	530	16.5	8.7	9.8	9	8.1	10.9	6.4	7
Turbidity(NTU)	82079	13	7	8.1	6.5	5.7	5.7	3.8	4.5
pH	400	8.17	8.19	8.25	8.3	8.21	8.16	7.5	7.97
Temperature(C)	10	30.47	29.42	24.14	20.85	17.73	18.71	9.75	14.93
Dissolved Oxygen(mg/L)	300	6.87	7.56	7.49	8	9.01	8.81	11.48	9.78
Conductivity(umhos/cm)	94	500	530	535	551	539	527	523	518
Total Phosphorus(mg/L)	665	0.1	0.35	0.11	0.12	0.13	0.23	0.04	0.11
Nitrate-N(mg/L)	620	0.94	0.68	0.94	0.74	1.11	0.78	1.15	0.85
Water Quality Index		83.72	84.59	88.17	88.7	89.6	41.14	89.3	90.22

TABLE 5 (Cont)

TNRCC Segment 1803
TNRCC Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

		Date and 24 hour time											
	Parameter	3/20/96	4/23/96	5/28/96	6/24/96	7/22/96	8/19/96	9/23/96	10/21/96	11/11/96	12/16/96	1/27/97	2/11/97
Parameter	Code	950	942	924	931	940	921	940	1315	1053	1036	1005	1325
Flow (cfs)									302	759	560	650	457
Fecal Coliform(org/100mL)	31616	32	12	2	4	5	24	2400	34	22	33	78	44
Suspended Solids(mg/L)	530	8.4	11.5	17	8.3	3.7	7.7	138	11.1	10.3	10.4	10.8	14.6
Turbidity(NTU)	82079	3.7	5.5	9.5	5.1	4.2	6.9	112	6.9	6.4	7.1	22	13
pH	400	8.26	8.13	8.28	8	8.13	8.05	7.66	7.7	7.94	7.79	7.76	8.24
Temperature(C)	10	18.19	24.59	29.03	30.43	30.99	29.86	26.18	23.55	18.94	15.92	15.53	12.36
Dissolved Oxygen(mg/L)	300	8.28	6.84	6.99	7.5	6.71	6.99	5	7.9	7.56	9.11	8.97	10.48
Conductivity(umhos/cm)	94	516	622	586	563	597	603	264	560	563	578	431	553
Total Phosphorus(mg/L)	665	0.08	0.11	0.1	0.08	0.11	0.12	0.37	0.15	0.11	0.14	0.41	0.05
Nitrate-N(mg/L)	620	0.79	0.84	0.53	0.22	<.2	<.02	1.0	0.6	0.9	0.967	0.97	0.39
Chloride(mg/L)	940								31.6	45.6	35.3	25.1	64
Sulfate(mg/L)	945								39.9	40.9	40.2	8.25	35.5
Total Hardness(mg/L)	900								222.0	237.0	242	177	250
Ammonia-N(mg/L)	610								0.04		0.06		0.13
E. coli(org/100mL)	31648								2.0	4.0	8	50	44
Chlorophyll a(mg/m^3)	32211								1.0	2.9	<1.0	<1.0	<1.0
Water Quality Index		88.62	87.59	84.2	85.7	83.62	84.91	-2780.07	90.67	89.70	90.31	86.55	86.37

		Date and 24 hour time											
	Parameter	3/25/97	4/22/97	5/19/97	6/9/97	7/16/97	8/25/97	9/30/97	10/27/97	11/18/97	12/8/97	1/13/98	2/11/98
Parameter	Code	1008	959	1003	942	1358	1035	1030	934	1415	1120	1437	1348
Flow (cfs)		1360		4870	14800	6390	1380	990	674	865	550	2020	4089
Fecal Coliform(org/100mL)	31616	56	72	420	860	1818	50	50	52	252	216	348	18800
Suspended Solids(mg/L)	530	37	54.5	112	304	153	9.2	12.2	12.1	12	14	32.3	275
Turbidity(NTU)	82079	22	39	52	84	71	3.8	6.3	7.5	8.8	22	7.3	94
pH	400	8.03	8.04	7.3	7.55	8.13	8.16	8.13	8	7.98	7.67	7.9	8.03
Temperature(C)	10	20.33	20.71	24.4	24.47	26.95	29.35	26.51	19.8	13.02	14.56	16.28	16.11
Dissolved Oxygen(mg/L)	300	8.58	7.87	6.13	5.42	7.39	7.28	7.78	8.25	10.09	9.46	5.95	9.13
Conductivity(umhos/cm)	94	485	466	289	205	372	515	574	566	553	540	534	486
Total Phosphorus(mg/L)	665	0.19	0.16	0.36	0.74	0.42	0.18	0.13	0.12	0.16	0.19	0.19	0.64
Nitrate-N(mg/L)	620	0.67	0.69	0.52	0.43	0.63	0.6	0.4	0.9	1.1	0.36	0.88	0.74
Chloride(mg/L)	940	27.7	35	28.5	8.4	10.3	19.2	19.0	26.1	30.8	28.8	24	24.1
Sulfate(mg/L)	945	30.9	28.8	9.6	6.4	3.4	30.0	26.2	29.9	35.3	33.9	30.3	42.4
Total Hardness(mg/L)	900	202	210	130	114	184	220.0	312.0	277.0	268.0	264	244	192
Ammonia-N(mg/L)	610		0.15		0.16		0.0		0.1		0.1		0.22
E. coli(org/100mL)	31648	42	72	340	440	50	26.0	38.0	21.0	212.0	156	300	18200
Chlorophyll a(mg/m^3)	32211	<1	<1	2.7	<1.0	<1.0	1.0	1.8	1.3	1.8	2.7	1.8	<1.0
Water Quality Index		87.93	85.22	0	0	0	84.26	86.72	89.12	57.35	69.76	25.95	0

		Date and 24 hour time											
	Parameter	3/19/98	4/15/98	5/19/98	6/22/98	7/16/98	8/27/98	9/14/98	10/29/98	11/11/98	12/09/98	1/13/99	2/10/99
Parameter	Code	1447	1330	1408	1505	1503	1442	1447	1502	1445	1004	1458	1412
Flow (cfs)		8010	1660	827	707	586	2000	2880		5290	6240	2030	1650
Fecal Coliform(org/100mL)	31616	2100	38	360	0	0	233	450	207	100	80	113	46
Suspended Solids(mg/L)	530	625	22	10.6	10.1	10.1	28.5	30	266	119	65.4	14.3	9.9
Turbidity(NTU)	82079	270	22.5	7.8	13.8	13.8	36	30	91	45	32.5	7.4	11
pH	400	7.64	7.79	7.98	8.09	7.44	7.36	7.93	7.66	7.8	7.65	7.63	7.78
Temperature(C)	10	18.13	23.04	27.73	32.17	33.68	29.56	27.33	22.33	18.63	19.54	15.49	21.06
Dissolved Oxygen(mg/L)	300	8.46	8.26	8.07	8.07	7.96	6.4	6.56	7.6	8.96	8.44	9.55	8.54
Conductivity(umhos/cm)	94	345	528	548	507	466	397	454	495	544	521	646	651
Total Phosphorus(mg/L)	665	0.91	0.15	0.21	<0.01	<0.01	0.29	0.2	0.4	<0.01	0.02	0.14	0.02
Nitrate-N(mg/L)	620	0.66	0.74	0.76	1.16	0.52	1.24	0.68	1.2	1.06	0.98	1.4	1.7
Chloride(mg/L)	940	10.9	26	27.8	26	27	22.7	23.9	20.9	20.7	18	33.2	37.2
Sulfate(mg/L)	945	14.4	30.8	29.9	29.8	26.4	34.9	28.1	8.1	28.9	24.2	36.4	38
Total Hardness(mg/L)	900	210	235	231	229	190	151	177	171	244	282	282	226
Ammonia-N(mg/L)	610		0.17		0.07		0.1		0.16				0.04
E. coli(org/100mL)	31648	1500	32	312	0	0	38	162	207	92	2	113	38
Chlorophyll a(mg/m^3)	32211	<1.0	1.1	2.3	11	8.7	<0.1	4	<0.1		<0.1	2.9	2.8
Water Quality Index		0	90.08	23.86	75.87	84.73	58.99	0	17.01	81.44	86.28	84.84	90.6

TABLE 5 (Cont)

TNRCC Segment 1803
TNRCC Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

		Date and 24 hour time											
	Parameter	3/16/99	4/14/99	5/11/99	6/22/99	7/13/99	8/18/99	9/20/99	10/18/99	11/29/99	12/15/99	1/17/00	2/15/00
Parameter	Code	1650	1430	1405	1522	1444	1323	1430	1455	1330	1135	1457	1421
Flow (cfs)		1370	1260	1220	2130		717	579	482	442	563	543	609
Fecal Coliform(org/100mL)	31616	24	10	44	108	54	72	20	24	28	18	18	13
Suspended Solids(mg/L)	530	8.6	9.1	12	16.8	15.2	14.1	6.4	9.4	7.8	9.2	11.1	12.3
Turbidity(NTU)	82079	7	11.5	10	10.1	12	12	8	5.6	6.45	12	8.4	12
pH	400	8.47	7.83	8.05	8.05	8.08	8.09	8.17	8.31	8.01	8	8.03	8.02
Temperature(C)	10	19.32	24.9	25.96	28.28	31	32.46	29.4	24.36	16.9	14.43	17.63	18.39
Dissolved Oxygen(mg/L)	300	9.63	7.82	7.76	8.14	7.61	7.66	7.9	7.69	10.18	10.58	9.42	9.58
Conductivity(umhos/cm)	94	689	644	598	534	539	523	545	525	579	594	585	573
Total Phosphorus(mg/L)	665	0.1	0.03	0.14	0.26	0.141	0.06	0.028	0.066	0.12	0.16	0.062	0.099
Nitrate-N(mg/L)	620	0.95	0.84	1	0.7	1.38	0.565	0.65	0.77	0.98	1.01	1.76	1.23
Chloride(mg/L)	940	38.3	45.6	35.3	29.9	24.6	30.7	34.8	35.3	38.7	36.2	35.2	35.9
Sulfate(mg/L)	945	34.8	34.9	30.4	36.6	35	28.4	29.4	27.6	30.3	30.2	29.2	30.4
Total Hardness(mg/L)	900	264	262	243	242	260	238	234	209	258	242	256	254
Ammonia-N(mg/L)	610		0.07		0.09		0.17		0.11		0.09		0.14
E. coli(org/100mL)	31648	20	30	30	20	4	72	<1	14	24	13	16	13
Chlorophyll a(mg/m^3)	32211	2.9	5.2	7.7	7	5.8	4.5	4.6	1.9	3.1	<1	4.3	3.3
Water Quality Index		88.44	90.09	87.5									

		Date and 24 hour time											
	Parameter	3/14/00	4/24/00	5/29/00	6/19/00	7/19/00	8/29/00	9/19/00	10/30/00	11/20/00	12/11/00	1/23/01	2/20/01
Parameter	Code	1416	1424	1640	1410	1321	1504	1439	1351	1428	1436	1556	1447
Flow (cfs)		638	660	469	996	422	245	283	559	12600	2040	2920	2350
Fecal Coliform(org/100mL)	31616	<11	10	8	45	1	42	6	16	14200	22	400	112
Suspended Solids(mg/L)	530	27.6	16.2	16.6	27.2	13.2	9.5	12	12.7	302	25.8	46.4	27.6
Turbidity(NTU)	82079	22	18	9.4	25	12	69	14	8.5	96	17	35	18
pH	400	8.23	8.12	8.45	8.23	8.09	8.26	8.3	7.67	7.94	8.25	7.84	7.99
Temperature(C)	10	20.01	26.03	30.2	30.57	32.48	32	29.89	25.1	12.75	15.38	10.07	16.58
Dissolved Oxygen(mg/L)	300	9.2	8	6.95	6.34	7.87	20.14	9.96	8.79	11.93	10.35	13.48	10.46
Conductivity(umhos/cm)	94	575	621	546	457	548	543	582	542	285	513	448	568
Total Phosphorus(mg/L)	665	0.167	0.169	0.26	0.24	0.11	0.05	0.04	0.06	0.51	0.14	0.22	0.14
Nitrate-N(mg/L)	620	1.02	1.01	0.84	0.759	0.308	0.078	0.196	1.02	0.76	0.928	0.91	1.21
Chloride(mg/L)	940	36.6	42	33.8	35.8	34.8	38.9	36.5	36.8	146	21.7	21.7	30
Sulfate(mg/L)	945	24.6	34.3	36	10.4	35.6	36.4	33.8	32.8	5	33.3	25.8	33.6
Total Hardness(mg/L)	900	243	252	243	186	221	256	212	242	237	242	192	260
Ammonia-N(mg/L)	610		0.21		0.17		0.13		0.04		0.23		<0.02
E. coli(org/100mL)	31648	<11	10	2	16	0	32	2	4	2200	20	360	<2
Chlorophyll a(mg/m^3)	32211	<1	3.3	9.7	2.7	11	25.4	19.8	5.3	1.1	1.5	<1	1.7
Water Quality Index													

		Date and 24 hour time											
	Parameter	3/13/01	4/16/01	5/14/01	6/25/01	7/10/01	8/14/01	9/10/01	10/16/01	11/13/01	12/19/01	1/21/02	2/19/02
Parameter	Code	1436	1600	1429	1550	1529	1525	1511	1521	1448	1010	1239	1022
Flow (cfs)		2370	1670	1780	1050	923	578	6590	2640	1100	6720	1710	1419
Fecal Coliform(org/100mL)	31616	50	52	14	8	2	34	4800	200	17	**		
Suspended Solids(mg/L)	530	28.2	25.4	35.8	13.6	16.6	13.7	185	28	12.2	176	12.8	13
Turbidity(NTU)	82079	20	18	20.5	6.5	12	9.7	82	25	6.5	83	6.3	4.4
pH	400	8.25	8.6	8.06	8.06	8.14	7.58	8.46	7.77	8.23	7.89	8.13	8.19
Temperature(C)	10	17.93	21.59	26.45	30.3	31.59	31.78	26.2	22.35	21.25	15.27	14.67	15.66
Dissolved Oxygen(mg/L)	300	10.38	9.58	8.35	8.84	8.12	8.17	6.23	7.95	9.07	9.13	10.51	12.22
Conductivity(umhos/cm)	94	8.25	530	540	568	576	570	281	560	539	333	437	567
Total Phosphorus(mg/L)	665	0.109	0.11	0.17	0.08	0.06	0.09	0.62	0.16	0.11	0.56	0.09	0.12
Nitrate-N(mg/L)	620	0.97	1.14	1.08	0.74	1.04	0.68	0.99	0.85	0.78	0.52	1.1	1
Chloride(mg/L)	940	26.6	21.6	23	29.4	30.4	34.2	11.5	22.4	24.8	16	25.5	10.5
Sulfate(mg/L)	945	33	28.2	27	25.4	28.2	25.8	3.6	7.8	12.2	4.9	27.9	10.4
Total Hardness(mg/L)	900	219	337	257	239	234	214	180	178	249	238	243	277
Ammonia-N(mg/L)	610		<0.02		<0.02		0.05		0.04		0.04		0.02
E. coli(org/100mL)	31699	12	44	4	4	2	1	1200	170	17	726	23	19
Chlorophyll a(mg/m^3)	32211	<1	<1.0	<1	6.1	6.1	3.4	<1	<1	6.1	4.5	<1	11.6
Pheophytin (mg/m^3)	32218										<1	1.8	5.4

** Fecal Coliform was dropped from the list of parameters analyzed. E. coli is used for the Water Quality Index (126org/100mL).

TABLE 5 (Cont)

TCEQ Segment 1803
TCEQ Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

		Date and 24 hour time											
	Parameter	3/19/02	4/25/02	5/20/02	6/12/02	7/22/02	8/12/02	9/24/02	10/21/02	11/11/02	12/19/02	1/8/03	2/26/03
Parameter	Code	1424	1418	1405	1409	1417	1432	1420	1128	1433	1348	1012	1013
Flow (cfs)		1220	1250	1110	947	7830	2210	6250	2950	6290	3540	3760	6976
E. coli(org/100mL)	31699	17	34	19	15	69	43	41	517	236	99	114	1230
Suspended Solids(mg/L)	530	8.8	18.6	11.6	21.4	205	50	39.8	129	246	32.7	39.7	196
Turbidity(NTU)	82079	12	17	5.3	13	86	34	43	51	88	26	23	97
pH	400	8.12	8.11	8.15	8.04	7.69	7.9	8	7.85	7.75	7.83	8.45	7.4
Temperature(C)	10	20.12	27.55	25.04	30.31	28.8	29.6	25	21.6	18.4	16.8	13.6	11.9
Dissolved Oxygen(mg/L)	300	10.16	8.06	8.54	7.35	6.98	7.92	8.42	8.27	8.9	9.45	9.66	11
Conductivity(umhos/cm)	94	578	629	512	575	432	562	419	541	508	586	592	359
Total Phosphorus(mg/L)	665	0.04	0.08	0.05	0.15	0.21	0.07	0.13	0.21	0.37	0.16	0.15	0.4
Nitrate-N(mg/L)	620	1.2	1.4	0.75	0.79	0.45	0.57	0.32	0.06	0.29	0.52	0.55	0.61
Chloride(mg/L)	940	32	38	33.3	31.3	10.9	22.6	10.3	26.5	20.3	29.5	24	16.9
Sulfate(mg/L)	945	32	37.3	33.7	30.8	15.2	26.8	14.9	29.3	27.5	37.2	30.8	25.2
Total Hardness(mg/L)	900	279	224	257	265	278	284	266	341	357	303	280	244
Ammonia-N(mg/L)	610		0.03		<0.02		<0.02		0.02		0.02		0.06
Chlorophyll a (mg/m^3)	32211	7.4	3.3	9.6	14.7	<1	3.9	<1	<1	<1	<1	2.9	3.7
Pheophytin (mg/m^3)	32218	2.8	3.8	3	<1	21.5	13.2	3.6	4	4.5	2.1	<1	4.7

		Date and 24 hour time											
	Parameter	3/20/03	4/15/03	5/14/03	6/24/03	7/28/03	8/19/03	9/11/03	10/07/04	11/05/03	12/03/03	01/13/04	02/17/04
Parameter	Code	1450	1501	1011	254	1521	1115	1427	1331	1430	1105	1439	1446
Flow (cfs)		1770	1870	1780	1620	1390	1300	1030	1050	1060	981	974	1270
E. coli(org/100mL)	31699	36	17	53	15	19	8	42	285	40	44	20	517
Suspended Solids(mg/L)	530	18.7	24.7	6.9	18.9	8.1	1.8	14.5	12.3	9.8	6	10	36.3
Turbidity(NTU)	82079	12	13	17	11	7.5*	0.5	16.9	5.23	10.5	6.55	9.41	34.5
pH	400	7.52	7.76	7.61	7.72	8.03	8.08	8.15	8.3	8.11	8.17	8.13	8
Temperature(C)	10	12	22.3	27.3	31.1	30.8	25.2	29.7	23.2	23.9	17	13.8	13
Dissolved Oxygen(mg/L)	300	9.51	9.4	8.52	8.85	7.53	9.42	7.41	8.19	8.03	10.4	13.1	8.32
Conductivity(umhos/cm)	94	691	666	634	551	557	578	566	588	566	611	625	525
Total Phosphorus(mg/L)	665	0.1	0.07	0.1	0.06	0.08	0.05	0.56	0.04	0.08	0.2	0.09	0.15
Nitrate-N(mg/L)	620	0.78	0.63	0.56	0.59	0.44	0.64	0.91	1	0.57	0.87	1.2	0.85
Chloride(mg/L)	940	39.4	33.4	30.8	24.2	24.6	90.4	26.1	25.7	25.7	28.5	28.4	31.2
Sulfate(mg/L)	945	45.8	38.2	37.9	33.8		30.7	30.7	30.8	30.4	33.2	32.4	34.3
Total Hardness(mg/L)	900	300	279	280	275	248	233	231	240	258	270	260	231
Ammonia-N(mg/L)	610		0.05		0.02		0.02		0.02		0.02		0.04
Chlorophyll a (mg/m^3)	32211	4.27	6.74	6.67	6	1.9	1.5	1.6	3.6	2.6	<5.0	<5.0	<5.0
Pheophytin (mg/m^3)	32218	5.51	2.51	2.67	3.5	5.9	3	4.2	<1.0	<1.0	<3.0	<3.0	<3.0

*Estimated value - Sample was analyzed outside of holding time

		Date and 24 hour time											
	Parameter	03/05/04	04/14/04	05/19/04	06/17/04	7/15/04	8/10/04	9/14/04	10/18/04	11/5/04	12/6/04	1/11/05	2/7/05
Parameter	Code	1448	1354	1420	1448	1445	1348	1430	1444	1505	1530	1348	1420
Flow (cfs)		1130	6340	1900	*	5060	1670	1380	1780	4930	7840	3740	4110
E. coli(org/100mL)	31699	148	432	152	396	48	179	88	125	365	168	57	216
Suspended Solids(mg/L)	530	19.2	89.2	42.2	240	144	51.8	29.2	52.2	191	474	27.6	49.5
Turbidity(NTU)	82079	23.5	82.5	56.4	196	107	35.4	24.3	31.7	154	161	18.1	38.1
pH	400	8.08	8.3	7.93	7.58	7.74	8	8.06	7.89	7.78	7.95	7.81	7.81
Temperature(C)	10	19	17.6	25.6	27.8	28.1	30.8	27.9	24.8	20.3	17.4	17.6	13
Dissolved Oxygen(mg/L)	300	8.99	9.6	6.63	6.1	6.48	7.47	7.69	8.16	9.07	12	10.2	11
Conductivity(umhos/cm)	94	582	399	446	394	558	554	550	469	371	480	646	559
Total Phosphorus(mg/L)	665	0.11	0.11	0.28	0.43	0.27	0.1	0.05	0.2	0.28	0.18	0.12	0.13
Nitrate-N(mg/L)	620	0.62	0.32	0.38	0.62	0.7	0.29	0.34	0.37	0.68	0.7	1.42	1.51
Chloride(mg/L)	940	33.1	17.9	22.3	16.6	19.1	25.2	24.2	21.1	13.3	17.2	30	27.9
Sulfate(mg/L)	945	37	20.9	25.2	21.4	23.3	27.4	26.2	21.6	19.3	30	38.2	36
Total Hardness(mg/L)	900	235	290	195	250	274	261	265	218	238	323	295	268
Ammonia-N(mg/L)	610		0.08		0.03		0.02		0.02		0.04		0.04
Chlorophyll a (mg/m^3)	32211	<5.0	<5.0	<5.0	<5.0	<5	5.3	2.5	<	<1	<1	3.1	1.7
Pheophytin (mg/m^3)	32218	<3.0	12.6	<3.0	<3.0	<3	3	<3	<3	<3	5.9	<3	<3

*Flow Gauge Out of Service

TABLE 5 (Cont)

TCEQ Segment 1803
TCEQ Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

Parameter	Parameter Code	Date and 24 hour time 3/2/05 1431	4/5/05 1454	5/3/05 1333	6/7/05 1450	7/7/05 1412	8/1/05 1401	9/9/05 1528	10/7/05 1011	11/2/05 1510	12/7/05 1428	1/4/06 1456	2/2/06 1517
Flow (cfs)		3630	2390	1880	2080	1240	1090	956	835	966	763	771	783
E. coli(org/100mL)	31699	1044	73	24	13	12	30	17	22	160	58	50	41
Suspended Solids(mg/L)	530	113	28.6	33.7	40.8	61.1	29	24.3	26.1	15.3	52.3	25.7	33.3
Turbidity(NTU)	82079	84.3	21.7	22.8	26	29	25.4	19.5	11.9	12.3	29.6	14	21.2
pH	400	7.65	7.77	7.88	8.11	8.1	8.08	8.05	8.1	8.25	8.08	8.14	8.08
Temperature(C)	10	16.4	21.1	23	29.8	32.1	30.7	29.5	25.6	19.6	13.8	16.6	16.6
Dissolved Oxygen(mg/L)	300	10.38	9.22	9.39	7.73	8.15	11.17	7.9	7.24	9.81	11.5	11.7	10.6
Conductivity(umhos/cm)	94	584	610	503	545	537	534	466	538	554	381	430	600
Total Phosphorus(mg/L)	665	0.05	0.05	<0.05	0.08	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	0.08
Nitrate-N(mg/L)	620	1.03	1.14	1.2	1.35	1	1	1.08	1.02	1.37	1.43	1.44	1.48
Chloride(mg/L)	940	38	30	26.8	24.7	28.6	25.9	25.6	26.6	29.2	28.7	29.3	29.9
Sulfate(mg/L)	945	43.8	34.5	32.3	30.2	35.6	29.5	29.4	30	31.3	32.9	34.6	34.5
Total Hardness(mg/L)	900	276	288	273	259	252	260	257	247	246	282	273	280
Ammonia-N(mg/L)	610		0.04		0.04		0.03		0.02		0.02		0.03
Chlorophyll a (mg/m^3)	32211	2.3	2.2	4.5	5.2	7.3	6.2	4.8	2.4	2.7	1.4	7.4	2.4
Pheophytin (mg/m^3)	32218	3.4	<3	<3	<3	3.7	<3	2.3	<1	<1	3	4	1.8

Parameter	Parameter Code	Date and 24 hour time 3/3/06 1604	4/5/06 1527	5/2/06 1452	6/7/06 1500	7/12/06 1524	8/10/06 1358	9/6/06 1443	10/12/06 1521	11/1/06 1534	12/5/06 1451	1/9/07 1544	2/6/07 1452
Flow (cfs)		788	683	669	623	509	318	269	376	427	421	766	918
E. coli(org/100mL)	31699	23	16	44	18	40	37	12	21	25	26	355	93
Suspended Solids(mg/L)	530	17.7	30.7	40.7	28.7	95.3	35	19.7	19	22.3	6	12.3	36
Turbidity(NTU)	82079	14.3	19	22	23.4	27.3	22.2	19.9	14.9	14	6.3	19.1	43.3
pH	400	8.13	8.23	8.11	8.19	8.2	8.1	8.08	8.14	8.27	8.16	7.83	8.12
Temperature(C)	10	19.8	24.9	26.8	29.6	31.3	31.5	27.9	25.9	21.9	12.5	13.1	12.6
Dissolved Oxygen(mg/L)	300	11.2	10.3	9.06	8.9	8.84	8.89	8.98	8.34	10.4	11.3	10.6	11.9
Conductivity(umhos/cm)	94	530	568	548	514	503	524	541	511	554	645	549	583
Total Phosphorus(mg/L)	665	0.06	<0.05	0.1	0.08	0.15	<0.05	<0.05	<0.05	0.06	0.06	0.18	0.16
Nitrate-N(mg/L)	620	1.36	1.18	0.97	0.34	0.4	0.24	0.14	0.43	0.78	0.9	1.3	1.44
Chloride(mg/L)	940	29.6	30.7	29.6	31.1	30.4	34.4	38.6	31.6	28.3	32.1	25.2	22.9
Sulfate(mg/L)	945	35	35.3	33.5	34.9	35.5	33.9	35.4	31.2	30.5	32.1	28.1	34.6
Total Hardness(mg/L)	900	236	209	258	216	248	44.5	204	200	244	248	214	243
Ammonia-N(mg/L)	610		0.02		0.02		0.02		<0.02		0.02		0.02
Chlorophyll a (mg/m^3)	32211	5	2.6	5.1	7.4	10	5	4.2	2.5	2.2	1.5	1.6	<1
Pheophytin (mg/m^3)	32218	<1	<1	1.2	2.1	<1	<1	<1	<1	<1	<1	<1	<1

Parameter	Parameter Code	Date and 24 hour time 3/6/07 1508	4/3/07 1500	5/8/07 1442	6/12/07 1437	7/11/07 1339	8/7/07 1434	9/13/07 1426	10/12/07 1358	11/13/07 1358	12/11/07 1453	1/8/08 1500	2/13/08 1458
Flow (cfs)	00061	541	11500	3620	3410	6530	7560	6780	1970	1420	1310	1130	1060
E. coli(org/100mL)	31699	22	1100	410	17	200	64	30	20	30	50	38	44
Suspended Solids(mg/L)	00530	22	470	145	126	237	241	102	62.3	31.7	20.3	20.3	33.3
Turbidity(NTU)	82079	10.9	199	133	81.1	173	157	60.9	18.5	18.4	12.5	11.8	15.4
pH	00400	8.16	7.57	7.81	8.03	7.86	7.98	8.05	7.98	8.04	8.13	8.2	8.2
Temperature(C)	00010	16.8	22.4	24.4	27.5	27.7	28.1	27.8	26.6	21.7	18.4	16.5	17.3
Dissolved Oxygen(mg/L)	00300	13.9	6.53	9.35	11	7.47	7.34	7.53	9.66	9.19	10.5	12.4	11.9
Conductivity(umhos/cm)	00094	588	355	388	470	380	442	495	565	607	575	558	566
Total Phosphorus(mg/L)	00665	0.06	0.34	0.22	0.07	0.24	0.16	0.1	0.06	0.06	0.07	<0.05	0.05
Nitrate-N(mg/L)	00620	0.85	0.57	0.73	0.54	0.51	0.54	0.75	0.91	1.25	1.36	1.18	1.31
Chloride(mg/L)	00940	28.6	12.1	7.2	16.4	12.8	12.6	13.4	22.7	26.4	22.7	25.4	29.9
Sulfate(mg/L)	00945	35.1	15.6	20.6	23.4	18.6	18.4	19.4	27.9	33	28.1	30.5	36.5
Total Hardness(mg/L)	00900	262	224	184	256	276	265	311	274	279	313	254	281
Ammonia-N(mg/L)	00610		0.04		0.02		0.11		<0.10		0.11		0.12
Chlorophyll a (mg/m^3)	32211	3.7	<1	<1	<1	<1	1.3	<1	5.4	3.2	2	17.4	6.5
Pheophytin (mg/m^3)	32218	<1	<1	<1	<1	<1	<1	<1	<1.0	<1	<1	5.9	2.7
Total Kjeldahl Nitrogen (mg/L)	00625								<0.5		<0.5		<0.50

TABLE 5 (Cont)

TCEQ Segment 1803
TCEQ Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

Parameter	Parameter Code	Date and 24 hour time 3/17/08 1431	4/11/08 1232	5/5/08 1404	6/12/08 1424	7/1/08 1447	8/4/08 1453	9/10/08 1420	10/8/08 1439	11/10/08 1401	12/10/08 1329	1/6/09 1330	2/3/09 1354
Flow (cfs)	00061	948	817	747	611	581	551	624	401	523	567	517	489
E. coli(org/100mL)	31699	23	33	20	49	27	13	10	27	220	180	46	16
Suspended Solids(mg/L)	00530	53.3	34	23.7	26	40.7	19	17.3	22.7	15.3	15	14	18.3
Turbidity(NTU)	82079	22.1	27.7	15.5	27.8	36	26.7	17.9	16.5	14.1	13.9	11.7	13.1
pH	00400	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8	8	8.2	8.2	8.2
Temperature(C)	00010	19.4	24.9	24.9	31.3	30.9	32.5	30.2	25.2	19.2	13.8	13.3	13.4
Dissolved Oxygen(mg/L)	00300	10.3	8.3	8.2	13.2	8.2	8.8	8.3	9.4	9.2	10.6	10.5	11.3
Conductivity(umhos/cm)	00094	583	583	565	510	525	486	476	522	527	578	541	525
Total Phosphorus(mg/L)	00665	0.14	0.11	0.06	0.06	0.06	0.06	<0.05	<0.05	0.06	0.06	0.06	<0.05
Nitrate-N(mg/L)	00620	1.31	1.15	0.9	0.54	0.46	0.4	0.47	0.54	0.63	0.89	1.19	0.66
Chloride(mg/L)	00940	36.1	30.8	34.1	28.3	28.6	27.9	25.4	28.7	31.8	30.6	36.8	31.1
Sulfate(mg/L)	00945	44.2	36.6	35.4	31.5	32.5	31.8	26.7	30.9	33.4	30.9	37.2	32.3
Total Hardness(mg/L)	00900	258	280	266	229	233	220	206	217	231	254	280	259
Ammonia-N(mg/L)	00610		<0.10		<0.1		0.14		<0.1		0.12		<0.1
Chlorophyll a (mg/m^3)	32211	50	1.4	7.4	7.8	8.9	6	4.1	1.5	2	1.1	<1	1.6
Pheophytin (mg/m^3)	32218	4.7	<1.0	2	2.1	1.1	1.1	<1	<1	<1	<1	1.2	<1
Total Kjeldahl Nitrogen (mg/L)	00625		0.24		0.34		0.47		<0.2		0.24		<0.2

Parameter	Parameter Code	Date and 24 hour time 3/11/09 1409	4/13/09 1417	5/6/09 1340	6/2/09 1414	7/08/09 1417	8/11/09 1445	9/09/09 1351	10/12/09 1413	11/10/09 1506	12/07/09 1514	1/13/10 1332	2/9/10 1411
Flow (cfs)	00061	495	344	478	381	196	174	227	2180	1190	1280	506	3480
E. coli(org/100mL)	31699	65	22	51	59	16	3	170	1520	170	490	11	550
Suspended Solids(mg/L)	00530	19.3	40	23	37.7	42.3	26.3	59	195	37.7	500	7	213
Turbidity(NTU)	82079	12.2	25.1	14.9	18.7	33.8	20.6	40	147	23.6	203	4.6	160
pH	00400	7.4	8.1	8	8.3	8.2	8.2	8.2	7.9	8.1	7.9	8	8
Temperature(C)	00010	21.9	22.5	27.7	29.6	32.8	31.5	29	22	20.4	11.5	9.4	13.1
Dissolved Oxygen(mg/L)	00300	8.8	11.7	8.7	10.9	8.1	8.4	8.6	7.5	10.5	11.9	13	11.1
Conductivity(umhos/cm)	00094	553	563	531	517	527	534	531	354	517	436	598	427
Total Phosphorus(mg/L)	00665	<0.05	0.08	0.14	0.09	0.09	0.07	0.09	0.25	0.11	0.19	<0.05	0.23
Nitrate-N(mg/L)	00620	0.71	0.74	0.81	0.15	0.07	<0.05	<0.05	0.86	0.98	0.84	0.81	0.9
Chloride(mg/L)	00940	30.1	34.6	34	32.9	39.5	36.2	36.2	16.4	22.7	19.8	31.1	14.4
Sulfate(mg/L)	00945	30.8	34.4	34.6	30.3	31.4	34.6	31.6	26	29.1	30.2	38.8	26.5
Total Hardness(mg/L)	00900	231	264	213	231	242	212	219	192	262	228	280	275
Ammonia-N(mg/L)	00610		<0.1		<0.1		0.11		<0.10		0.26		<0.1
Chlorophyll a (mg/m^3)	32211	4	2.8	6.6	9.2	7.3	4.6	7.3	1.1	1	<1	6.7	<1
Pheophytin (mg/m^3)	32218	1.3	1.1	<1	1.2	1.2	<1	<1	<1	<1	<1	1.2	<1
Total Kjeldahl Nitrogen (mg/L)	00625		0.31		0.62		0.36		0.83		0.72		0.97

Parameter	Parameter Code	Date and 24 hour time 3/3/10 1435	4/20/10 1352	5/5/10 1428	6/15/10 1432	7/12/10 1508	8/4/10 1430	9/14/10 1430	10/6/10 1435	11/18/10 1428	12/1/10 1358	1/3/11 1350	2/9/11 1348
Flow (cfs)	00061	2420	3770	1450	2710	1860	957	2080	984	751	774	740	558
E. coli(org/100mL)	31699	39	840	28	180	88	20	70	22	52	78	40	26
Suspended Solids(mg/L)	00530	57	185	33	184	80.5	37.3	152	24.8	33	20.6	16.2	18.8
Turbidity(NTU)	82079	22.8	110	36.9	143	47.2	31.6	107	20.3	22.8	15.9	13.4	11.4
pH	00400	8.2	8	8.3	7.8	8.2	8.3	7.9	8.2	8.2	8.2	8.2	8.2
Temperature(C)	00010	15.4	21.6	25.3	29.9	31.3	32.3	29.4	23.1	17.2	15.6	12.6	10.7
Dissolved Oxygen(mg/L)	00300	10.5	7.9	9.3	6.6	8.5	11.3	6.8	8.9	9.7	10	10.6	11.7
Conductivity(umhos/cm)	00094	573	477	529	369	516	535	408	529	569	570	570	537
Total Phosphorus(mg/L)	00665	0.08	0.22	0.06	0.19	0.12	0.06	0.17	<0.05	0.06	0.06	0.05	<0.05
Nitrate-N(mg/L)	00620	1.23	0.98	0.82	0.59	0.96	0.79	0.89	0.88	1.07	1.29	1.21	1.05
Chloride(mg/L)	00940	24.6	22.4	23.7	13.1	25.1	29.6	15.2	21.5	26.4	26.6	29.5	30.8
Sulfate(mg/L)	00945	31.8	28.4	30.2	19.6	29.3	32.5	24.6	25.4	29.5	29.7	31.9	33.3
Total Hardness(mg/L)	00900	288	266	234	214	261	251	245	244	278	278	254	249
Ammonia-N(mg/L)	00610		0.13		<0.1		0.13		0.1		<0.1		0.11
Chlorophyll a (mg/m^3)	32211	2.5	1.6	2	<1	2.9	2.3	<1	1	1.6	1.4	<1	2.8
Pheophytin (mg/m^3)	32218	<1	<1	<1	<1	2.5	2.1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625		0.75		1.17		0.32		<0.2		0.22		<0.2

TABLE 5 (Cont)

TCEQ Segment 1803
TCEQ Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

		Date and 24 hour time											
	Parameter	3/2/11	4/4/11	5/24/11	6/6/11	7/11/11	8/2/11	9/14/11	10/17/11	11/8/11	12/8/11	1/4/2012	2/9/2012
Parameter	Code	1406	1430	1435	1442	1422	1457	1408	1458	1412	1359	1447	1403
Flow (cfs)	00061	688	719	491	321	221	190	135	300	280	479	396	1070
E. coli(org/100mL)	31699	26	54	55	11	31	11	11	24	200	75	46	270
Suspended Solids(mg/L)	00530	57	66.5	52	37.3	28.1	30	20.2	23.5	18.2	20.3	17	94.3
Turbidity(NTU)	82079	39.5	23.1	35.3	25.4	22	22	18.4	19.3	13.7	15.6	12.1	75.8
pH	00400	8.2	8.2	8.4	8.3	8.3	8.3	8.1	7.1	8.2	8	8.2	8.1
Temperature(C)	00010	19.5	23.7	29.2	31.1	32.5	33.4	30	25.5	21.5	11.6	12.2	15
Dissolved Oxygen(mg/L)	00300	9.4	8.3	8.9	9	7.5	8.2	7.9	8.6	9.6	11.4	11.3	9.5
Conductivity(umhos/cm)	00094	558	573	553	451	520	500	554	509	532	599	611	456
Total Phosphorus(mg/L)	00665	0.08	0.16	0.08	0.05	0.05	0.05	0.04	0.06	0.04	0.06	0.08	0.16
Nitrate-N(mg/L)	00620	1.27	1	0.47	0.06	0.09	0.07	<0.05	0.18	0.29	1.05	1.14	1.17
Chloride(mg/L)	00940	31.3	31.3	39.7	35.4	39.1	38	45.1	30.1	36.6	32.9	32.3	23.4
Sulfate(mg/L)	00945	34.1	32.5	35.3	33.4	34.2	33.1	37.8	27.9	34.7	32.7	34.7	30.5
Total Hardness(mg/L)	00900	256	280	258	218	211	195	196	212	222	240	251	208
Ammonia-N(mg/L)	00610		0.12		<0.1		<0.1	0.13		0.12		0.25	
Chlorophyll a (mg/m^3)	32211	2.6	6.8	20.9	19.9	4.8	6.4	4.1	2.8	2.7	1.2	<1.0	<1.0
Pheophytin (mg/m^3)	32218	1.1	3.1	1.2	1.1	<1	<1	<1	<1	<1	<1	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625		0.42		0.49		0.33	0.34	0.26	0.32	0.38	0.27	0.53

		Date and 24 hour time											
	Parameter	3/7/12	4/11/12	5/3/12	6/12/12	7/12/12	8/15/12	9/6/12	10/15/12	11/13/12	12/19/12	1/9/13	2/11/13
Parameter	Code	1432	1533	1415	1458	1156	1203	1057	1043	1029	1017	1030	1033
Flow (cfs)	00061	683	847	526	593	5730	299	306	485	393	493	533	471
E. coli(org/100mL)	31699	31	50	24	11	3100	15	16	56	43	130	590	37
Suspended Solids(mg/L)	00530	20.5	35.2	13	18	2010	28.2	27.6	22.6	13.1	28.4	22.7	25.8
Turbidity(NTU)	82079	13.4	26	7	13.8	1461	19.8	20	14.5	12	16.7	15.8	18.3
pH	00400	8.2	8	8.1	8.3	7.8	8	8	8	8	7.8	8.2	8.1
Temperature(C)	00010	19.3	25.5	27.9	31.6	24.8	31	29.8	24.5	18.7	17.2	12	17.4
Dissolved Oxygen(mg/L)	00300	9.3	8.4	9	8.8	7.6	7.8	7.6	8	9.3	9.3	10.3	9
Conductivity(umhos/cm)	00094	578	553	595	528	266	478	514	520	531	560	553	556
Total Phosphorus(mg/L)	00665	0.08	0.08	0.03	0.05	0.91	0.04	0.11	0.05	0.05	0.06	0.04	0.05
Nitrate-N(mg/L)	00620	1.38	1.03	0.66	0.38	0.42	0.18	0.31	0.73	0.46	0.73	0.85	0.96
Chloride(mg/L)	00940	30.2	29.2	34.3	29.2	11.4	33.1	33.9	31.2	30.6	33.8	32.1	34.1
Sulfate(mg/L)	00945	36.3	35.6	35.2	31.5	12.6	33.1	33	32.7	32.3	33.7	33.5	35
Total Hardness(mg/L)	00900	257	254	235	216	656	200	211	218	211	242	241	238
Ammonia-N(mg/L)	00610	0.3		0.36				0.15		0.16		0.12	
Chlorophyll a (mg/m^3)	32211	3.7	5.4	2.6	9.2	7.5	4	4.27	<1	<1	<1	<1	2.63
Pheophytin (mg/m^3)	32218	<1	<1	3.3	3.3	4.9	1.6	1.02	4.88	5.4	3.42	2.56	3.45
Total Kjeldahl Nitrogen (mg/L)	00625	0.32	0.37	0.28	0.47	2.45	0.35	0.27	0.41	0.22	<0.2	0.43	0.45

		Date and 24 hour time											
	Parameter	3/18/13	4/15/13	5/15/13	6/4/13	7/8/2013	8/8/13	9/11/13	10/7/13	11/13/13	12/3/13	1/16/14	2/6/14
Parameter	Code	1032	1031	1045	1039	1106	1205	1111	1046	1013	1046	1020	1012
Flow (cfs)	00061	393	419	416	571	261	182	168	2237	1580	740	506	411
E. coli(org/100mL)	31699	19	28	31	15	42	10	32	88	110	65	30	25
Suspended Solids(mg/L)	00530	23.8	24.4	35.8	58.7	33.4	51.8	34.3	51.8	113	21.5	5.80	4.50
Turbidity(NTU)	82079	14.3	19.7	29.4	49	27.6	40.8	28.2	62.1	88.8	16	2.9	2.9
pH	00400	7.9	8.2	8.2	8.1	8.2	8.1	8.1	8.4	8	8.2	8.0	7.8
Temperature(C)	00010	21.6	22.6	25	28.9	30.2	31.4	28.4	24.9	17.3	14.1	11.2	9.4
Dissolved Oxygen(mg/L)	00300	9.2	8.1	7.6	7.2	6.8	7	7.2	8.4	9.3	9.7	11.3	12.1
Conductivity(umhos/cm)	00094	465	536	548	465	477	523	507	359	276	547	536	601
Total Phosphorus(mg/L)	00665	0.04	0.08	0.1	0.12	0.03	0.06	0.06	0.14	0.13	0.09	0.02	0.02
Nitrate-N(mg/L)	00620	0.56	0.7	0.47	0.74	0.09	0.11	0.06	0.95	1	1.39	0.52	0.67
Chloride(mg/L)	00940	36.1	33.6	36.6	26.3	30	39.4	39.7	21.5	16.4	25.9	33.7	38.6
Sulfate(mg/L)	00945	36.5	35.3	31.4	28.5	30.9	34.7	33.4	26.1	24.4	33.3	37.5	38.6
Total Hardness(mg/L)	00900	221	221	217	206	197	212	195	156	200	244	229	234
Ammonia-N(mg/L)	00610	0.15		<0.1		0.14		0.17		<0.1		<0.10	
Chlorophyll a (mg/m^3)	32211	6.7	2.71	5.87	6.68	7.34	5.07	3.2	<1	1.82	1.07	3.59	3.20
Pheophytin (mg/m^3)	32218	5.8	<1	3.1	<1	3.96	2.53	2.15	5.07	<1	<1	2.21	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.4	0.52	0.45	0.52	0.2	0.29	<0.2		0.5		0.42	

TABLE 5 (Cont)

TCEQ Segment 1803
TCEQ Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

		Date and 24 hour time											
	Parameter	3/12/14	4/14/14	5/7/14	6/12/14	7/7/14	8/11/14	8/21/14	9/4/14	10/8/14	11/12/14	12/3/14	1/7/15
Parameter	Code	1035	1117	1015	1101	1121	1253	1314	1110	1050	1008	1035	1111
Flow (cfs)	00061	613	356	255	476	402	145	113	130	320	405	414	427
E. coli(org/100mL)	31699	370	29	10	24	58	16	6	23	30	78	61	59
Suspended Solids(mg/L)	00530	25.4	20.2	17.0	16.0	28.3	23.0	30.1	24.6	15.2	20.7	18.0	16.4
Turbidity(NTU)	82079	17.9	11.1	9.1	12.0	23.0	14.4		17.0	8.4	16.4	15.8	11.9
pH	00400	8.0	7.9	8.0	7.8	7.8	8.0	8.0	8.4	8.3	8.3	7.7	8.4
Temperature(C)	00010	15.3	23.2	24.5	30.0	30.1	31.7	31.0	29.9	27.0	16.1	14.6	10.2
Dissolved Oxygen(mg/L)	00300	9.8	8.0	7.9	7.4	7.1	7.3	8.1	6.9	7.5	9.3	9.4	11.4
Conductivity(umhos/cm)	00094	593	583	551	478	489	518	523	539	578	514	507	554
Total Phosphorus(mg/L)	00665	0.05	0.04	0.04	0.12	0.08	0.05	0.04	0.03	0.68	0.06	0.09	0.07
Nitrate-N(mg/L)	00620	0.79	0.32	0.13	0.46	0.12	<0.05	<0.05	<0.05	0.68	0.46	0.59	0.75
Chloride(mg/L)	00940	42.3	43.8	44.4	28.1	32.7	40.9		45.8	46.4	41.4	33.0	40.2
Sulfate(mg/L)	00945	40.6	40.0	37.6	29.4	30.2	33.2		33.7	37.1	36.8	37.1	37.2
Total Hardness(mg/L)	00900	246	223	229	199	188	202		200	207	210	204	243
Ammonia-N(mg/L)	00610	0.69		0.19		0.26		0.15	0.24		0.14		0.21
Chlorophyll a (mg/m^3)	32211	---	3.06	2.67	9.66	4.40	40.0	4.09	<1.0	1.42	2.14	1.11	1.00
Pheophytin (mg/m^3)	32218	----	<1.0	1.40	<1.0	<1.0	<1.00		<1.0	<1.0	<1.00	<1.0	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.565		0.356		0.39		0.55	0.43		<0.20		0.31

		Date and 24 hour time											
	Parameter	2/4/15	3/10/15	4/7/15	5/11/15	6/24/15	7/8/15	8/5/15	9/21/15	10/5/15	11/16/15	12/8/15	1/6/16
Parameter	Code	1020	1109	1105	1018	1105	1043	1040	1022	1008	1000	1049	1009
Flow (cfs)	00061	671	3330	583	905	6940	2140	1140	677	585	2750	1710	
E. coli(org/100mL)	31699	78	>24000	49	6	280	59	100	140	33	130	93	120
Suspended Solids(mg/L)	00530	30.3	750	21.1	40.7	225	79.2	53.2	26.1	24.3	101	25.9	20.9
Turbidity(NTU)	82079	24.1	378	14.9	30.1	168	44.2	34.1	19.1	19.2	81.7	20.2	12.2
pH	00400	8.1	7.6	8.1	8.1	8.0	8.0	8.0		8.2	8.0	8.1	8.1
Temperature(C)	00010	11.9	12.8	23.2	26.8	25.2	28.5	30.8		24.8	20.0	14.8	13.0
Dissolved Oxygen(mg/L)	00300	10.2	9.3	8.1	7.4	9.6	7.1	7.1	7.7	8.1	8.5	9.9	10.8
Conductivity(umhos/cm)	00094	528	290	542	503	378	522	543	538	540	469	559	553
Total Phosphorus(mg/L)	00665	0.10	0.39	0.09	0.13	0.16	0.08	0.04	0.03	0.03	0.10	0.06	0.06
Nitrate-N(mg/L)	00620		0.36	0.79	1.03	0.65	0.89	0.87		0.81	0.93	1.11	1.06
Chloride(mg/L)	00940	27.4	12.7	36.4	26.9	14.6	25.3	27.3	28.1	30.2	18.4	26.1	
Sulfate(mg/L)	00945	35.6	14.9	39.7	30.3	19.3	27.5	30.6	45.6	30.2	24.5	31.0	
Total Hardness(mg/L)	00900	250	289	229	249	270	278	264	236	225	240	266	
Ammonia-N(mg/L)	00610		0.11		<0.10	<0.10	0.10		<0.10		<0.10		
Chlorophyll a (mg/m^3)	32211	1.50	<1.0	2.79	2.49	1.34	3.34	5.34	4.33	3.74	<1.00	<1.00	
Pheophytin (mg/m^3)	32218	<1.0	5.45	<1.0	1.96	<1.00	<1.00	1.82	2.02	<1.00	<1.00	8.84	
Total Kjeldahl Nitrogen (mg/L)	00625		1.79		0.32	0.67	0.30		0.36		0.34		

		Date and 24 hour time											
	Parameter	2/9/16	3/2/16	04/11/16	5/4/16	6/9/16	7/13/16	8/9/16	9/6/16	10/5/16	11/17/16	12/15/16	1/10/17
Parameter	Code	1000	1050	1018	1034	1027	1016	1031	1101	1136	917	1023	1040
Flow (cfs)	00061	1100	999	1680	2640	8790	1550	1130	2170	1550	1150	1550	1340
E. coli(org/100mL)	31699	34	410	36	190	130	24	34	730	220	46	170	77
Suspended Solids(mg/L)	00530	16.1	38.8	3.90	127	265	28.1	46.9	112	42.4	23.4	46.3	14.0
Turbidity(NTU)	82079	11.6	18.3	22.6	80.7	234	38.9	30.8	77.4	33.4	17.9	36.1	9.9
pH	00400	8.1	7.9	7.9	8.0	7.9	7.9	8.0	8	8.0	7.9	7.8	8.0
Temperature(C)	00010	13.2	19.3	21.9	23.5	25.2	30.0	31.0	28.7	25.4	20.3	13.8	12.9
Dissolved Oxygen(mg/L)	00300	11.5	8.8	8.4	7.9	5.9	7.2	7.1	5	8.1	8.8	10.1	9.4
Conductivity(umhos/cm)	00094	579	578	582	526	440	535	519	490	548	588	428	577
Total Phosphorus(mg/L)	00665	0.02	0.08	0.05	0.13	0.17	0.04	0.04	0.18	0.07	0.06	0.15	0.04
Nitrate-N(mg/L)	00620	1.05	1.28	0.95	1.05	0.55	1.12	1.01	0.94	1.50	1.59	1.31	1.38
Chloride(mg/L)	00940	34.9	33.2	32.0	24.7	14.9	24.5	24.4	17.7	23.1	22.8	19.9	29.2
Sulfate(mg/L)	00945	37.4	35.8	34.6	32.9	20.0	28.1	28.2	21.4	29.3	25.8	28.4	34.9
Total Hardness(mg/L)	00900	253	265	263	260	327	251	249	247	254	261	199	264
Ammonia-N(mg/L)	00610		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10
Chlorophyll a (mg/m^3)	32211	17.6	6.72	6.36	2.14	1.78	2.94	4.34	8.72	1.65	1.34	<1.00	2.11
Pheophytin (mg/m^3)	32218	1.46	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.00	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625		0.36		0.47		0.23		0.63		<0.20		<0.20

TABLE 5 (Cont)

TCEQ Segment 1803
TCEQ Station 12592
Station Number 5 FM 766 Bridge over the Guadalupe River
Latitude 29/08/49 Longitude 97/19/02

Parameter	Parameter Code	Date and 24 hour time 2/27/17 1039	3/16/17 1034	4/18/17 1051	5/11/17 1012	6/8/17 959	7/19/17 1032	8/17/17 1002	9/19/17 1038	10/4/17 934	11/2/17 946	12/5/17 1015	1/18/18 957
Flow (cfs)	00061	2170	3220	2150	1200	1200	645	559	1360	1470	804	695	740
E. coli(org/100mL)	31699	220	930	190	32	28	40	13	29	690	47	60	13
Suspended Solids(mg/L)	00530	69.8	108	134	8.80	50.3	13.6	34.9	33.3	67.8	32.3	27.0	19.6
Turbidity(NTU)	82079	60.8	150	109	4.6	33.1	28.9	25.2	31.4	44.9	11.2	8.8	8.0
pH	00400	8.0	7.7	7.9	7.9	8.2	7.9	8.6	7.9	8	8.1	8.1	8.3
Temperature(C)	00010	19.5	17.8	23.3	24.8	28.5	30.8	30.8	28.5	26.6	19.6	19.6	8.6
Dissolved Oxygen(mg/L)	00300	8.0	8.7	8.0	7.5	5.1	7.2	7.1	4.8	7.2	8.8	8.7	11.6
Conductivity(umhos/cm)	00094	526	358	471	536	558	522	545	598	632	623	630	622
Total Phosphorus(mg/L)	00665	0.12	0.31	0.14	0.02	0.06	0.04	0.04	0.09	0.14	0.04	0.04	0.03
Nitrate-N(mg/L)	00620	1.38	1.12	1.06	1.14	1.57	1.04	0.92	0.97	1.59	1.38	1.55	1.86
Chloride(mg/L)	00940	21.1	16.5	20.1	27.4	30.4	31.0	29.9	33.1	40.4	36.6	34.8	36.0
Sulfate(mg/L)	00945	29.6	22.9	26.3	29.4	36.8	33.0	33.2	35.2	44.5	37.8	36.2	40.0
Total Hardness(mg/L)	00900	266	229	237	227	250	218	217	257	257	270	275	274
Ammonia-N(mg/L)	00610		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10
Chlorophyll a (mg/m^3)	32211	2.90	1.87	1.60	16.2	6.42	6.15	6.98	10.5	4.37	3.14	6.41	5.96
Pheophytin (mg/m^3)	32218	<1.00	1.4	<1.00	2.08	2.14	1.57	1.44	1.79	<1.00	<1.00	1.61	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625		1.38		0.75		0.72		0.36		0.33		0.20

Parameter	Parameter Code	Date and 24 hour time 2/19/18 940	3/12/18 1052	4/17/18 1050	5/17/18 1015	6/4/18 955	7/2/18 1055	8/2/18 940	9/18/18 1039	10/10/18 1011	11/1/18 1003	12/6/18 1129	1/10/19 958
Flow (cfs)	00061	720	677	756	573	441	353	318	2020	1380	5320	1200	2830
E. coli(org/100mL)	31699	34	65	56	17	13	21	20	470	990	3700	<10	290
Suspended Solids(mg/L)	00530	36	29.5	36.00	23.9	82	47	44.4	139	83.4	229	28.8	111.0
Turbidity(NTU)	82079	11.6	8.8	21.8	11.2	40.9	32.7	29.7	138	56.6	177	19	70
pH	00400	8.2	8.2	8	8.1	8	8.1	8.2	7.9	8.0	7.9	8	7.9
Temperature(C)	00010	17.1	18.9	21.3	28.6	30.8	31.2	30.4	27.5	26.8	19.7	17.6	13.7
Dissolved Oxygen(mg/L)	00300	9.6	9.2	8.5	7.6	6.7	7.1	6.8	6.8	7.1	6.4	9.1	10.1
Conductivity(umhos/cm)	00094	615	607	590	592	570	572	533	428	480	366	688	461
Total Phosphorus(mg/L)	00665	0.04	0.05	0.11	0.05	0.06	0.04	0.07	0.25	0.18	0.21	0.27	0.14
Nitrate-N(mg/L)	00620	1.79	1.41	1.42	1.27	0.66	0.54	0.37	1.04	1.20	0.64	2.9	1.07
Chloride(mg/L)	00940	37.3	37.5	35.7	38.8	41.3	43.1	39.6	23.9	22.8	<0.10	25.9	19.6
Sulfate(mg/L)	00945	40.1	39.1	39.5	42.8	41.9	39.1	38.8	31	27.1	0.76	29.9	27
Total Hardness(mg/L)	00900	274	264	256	244	234	229	216	228	232	248	263	254
Ammonia-N(mg/L)	00610		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10
Chlorophyll a (mg/m^3)	32211	9.38	14.5	8.37	12.4	15.1	13	8.54	3.87	2.85	2	1.57	4.27
Pheophytin (mg/m^3)	32218	0	<1.00	1.1	4.89	6.55	3.5	3.5	2.95	2.18	1.17	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625		0.43		0.79		0.64		0.66		0.76		0.41

Parameter	Parameter Code	Date and 24 hour time 2/6/19 1006	3/14/19 1000	04/24/19 957	5/20/19 1013	6/6/19 1010	7/2/19 1019	8/28/19 1102	9/11/19 1054	10/7/19 1050	11/6/19 1145	12/17/19 1030	1/30/20 1036
Flow (cfs)	00061	1810	1380	1210	2960	1660	1570	763	593	569	613	634	508
E. coli(org/100mL)	31699	60	45	40	63	45	68	29	81	16	84	72	91
Suspended Solids(mg/L)	00530	51.7	21.8	81.70	160	74.3	75.1	29.1	32.6	17.4	40	24.8	26.2
Turbidity(NTU)	82079	25	9.2	55	75	37	50	39	45	20	26	16	34
pH	00400	7.9	8.2	8.2	8.3	8.1	7.5	8.2	8.1	8.0	8.2	8.2	8.2
Temperature(C)	00010	17.7	20.7	23	26	29.2	29.0	31.2	29.2	28.3	19.7	14.2	14.8
Dissolved Oxygen(mg/L)	00300	9.4	9	8.4	7.6	4.8	4	7.2	7.4	7.7	9.5	10.4	9.8
Conductivity(umhos/cm)	00094	542	539	533	508	532	501	511	505	512	519	568	573
Total Phosphorus(mg/L)	00665	0.05	0.02	0.124	0.137	0.088	0.112	0.06	0.059	0.036	0.087	0.046	0.145
Nitrate-N(mg/L)	00620	1.28	1.41	1.65	1.05	1.17	1.31	1.03	0.991	1.02	1.64	1.36	1.59
Chloride(mg/L)	00940	27	0.23	30.7	21.1	26.5	29.2	32	30.3	32.4	27.9	34.6	35.3
Sulfate(mg/L)	00945	32	29.2	38.8	27	31.6	30.6	33.3	31.8	32.5	31.1	35.4	78.2
Total Hardness(mg/L)	00900	257	253	244	294	264	234	233	229	231	239	263	317
Ammonia-N(mg/L)	00610		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10
Chlorophyll a (mg/m^3)	32211	2.76	13.7	1.82	3.1	4.18	3.23	5	5.92	3	1.48	7.37	7.65
Pheophytin (mg/m^3)	32218	<1.00	1.28	<1.00	<1.00	<1.00	1.53	1.05	<1.00	1.57	<1.00	<1.00	1.75
Total Kjeldahl Nitrogen (mg/L)	00625		0.23		0.39		0.42		0.33		0.33		0.53