TABLE 2

TNRCC Segment 1812
TNRCC Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time										
	Parameter	3/23/87	4/24/87	5/27/87	6/23/87	7/21/87	8/17/87	9/14/87	10/19/87	11/24/87	12/15/87	1/29/88	2/12/88
Parameter	Code	1200	1030	1115	946	925	1055	1015	1000	1436	945	1443	1400
Flow (cfs)	00060	1270	574	692	5470	2220	1460	1780	621	84	5.5	71	72
Fecal Coliform(org/100mL)	31616	22	16	37	18	23	24	668	33	88	67	0	0
Suspended Solids(mg/L)	00530	2	0.41	3.4	0.3	1.6	3.7	5.1	3.5	0.92	0.45	2.3	0.7
Turbidity(NTU)	82079	2.8	2.2	3.3	5.4	1.4	2.8	3.8	4.2	1.23	0.94	1.2	1.1
pH	00400	8.04	8.01	8.17	7.94	7.61	7.56	7.66	7.34	8.02	7.95	8.14	8.03
Temperature(C)	00010	13.82	15.12	28.6	16.8	21.4	24.85	25.51	21.92	19.74	8.03	13.1	11.26
Dissolved Oxygen(mg/L)	00300	10.29	9.89	7.02	9.1	8.44	8.22	7.85	8.23	9.7	10.24	11.18	11.97
Conductivity(umhos/cm)	00094	442	436	451	392	455	444	490	464	459	440	426	416
Total Phosphorus(mg/L)	00665	0.02	0.03	0.01	0.07	0.03	0.04	0.04	0.01	0.03	0.03	0.01	0.04
Nitrate-N(mg/L)	00630	1.4	0.78	1.6	5.4	0.7	0.76	0.25	7.6	0.07	0.3	0.44	0.32
Water Quality Index		90.26	91.25	86.03	90.64	93.27	92.51	0	90.84	89.35	82.3	90.55	90.26

		Date and 24 hour time										
	Parameter	3/28/88	4/25/88	5/16/88	6/29/88	7/27/88	8/29/88	9/29/88	10/27/88	11/22/88	12/20/88	1/12/89	2/14/89
Parameter	Code	1600	1150	1429	1404	1128	1513	1200	1335	950	1500	1145	1220
Flow (cfs)	00060	71	63	179	209	763	416	203	109	106	110	126	218
Fecal Coliform(org/100mL)	31616	12	91	10	26	30	16	36	30	37	50	54	38
Suspended Solids(mg/L)	00530	2.6	2.3	5.5	7.1	7	3.6	4.2	4.3	1	2.2	1.6	2.6
Turbidity(NTU)	82079	2.8	1.7	3.9	4.6	3.9	2.4	3	3.2	1.2	1.9	1.1	3.4
pH	00400	8.14	8.07	8.17	8.07	7.99	8.2	7.77	8.33	8.58	8.8	8.66	8.68
Temperature(C)	00010	21.03	22.04	19.74	22.5	16.8	20.2	21.18		11.23	16.2	13.68	13.65
Dissolved Oxygen(mg/L)	00300	9.84	7.89	9.62	9.13	10.34	10.35	9.08		9.78	9.93	9.87	10.2
Conductivity(umhos/cm)	00094	416	411	418	413	418	417	424	416	419	373	392	376
Total Phosphorus(mg/L)	00665	0.04	0.01	0.02	0.02	0.04	0.01	0.01	0.012	0.54	0.01	0.03	0.01
Nitrate-N(mg/L)	00630	0.33	1.1	1	0.9	0.5	0.61	0.36	0.13	0.36	0.5	0.58	0.25
Water Quality Index		92.86	87.09	92.11	91.93	92.37	92.89	93.12	90.42	83.53	85.93	85.01	85.93

		Date and 24 hour time										
	Parameter	3/13/89	4/10/89	5/8/89	6/8/89	7/11/89	8/15/89	9/11/89	10/18/89	11/28/89	12/29/89	1/22/90	2/26/90
Parameter	Code	1050	1230	1015	1008	1303	1330	1120	1334	1420	1058	1250	1045
Flow (cfs)	00060	246	257	161	110	121	54	70	116	171	130	97	125
Fecal Coliform(org/100mL)	31616	22	16	79	41	51	15	89	50	24	54	20	46
Suspended Solids(mg/L)	00530	4.4	2.4	10	6.6	7.3	5	7.1	5.7	10.4	4.2	1.4	4.9
Turbidity(NTU)	82079	4	2	9.8	3.7	7.4	4.8	5.8	4.5	3.5	6.4	2	3.9
pH	00400	8.41	8.2	7.52	7.6	8.29	8.16	8.48	8.17	8.66	8.87	8.59	8.02
Temperature(C)	00010	14.43	12.09	18.85	21.58	24.53	25.58	24.84	14.98	14.44	10.86	10.67	12.8
Dissolved Oxygen(mg/L)	00300	10	11	8.75	7.8	8.86	8.5	7.21	10.24	9.96	10.33	10.75	10.35
Conductivity(umhos/cm)	00094	377	380	385	386	381	383	383	399	384	381	398	381
Total Phosphorus(mg/L)	00665	0.02	0.01	0.02	0.04	0.04	0.04	0.02	0.01	0.01	0.02	0.02	0.06
Nitrate-N(mg/L)	00630	0.37	0.22	0.37	0.67	0.21	0.4	0.3	0.18	0.4	1.5	0.64	1.7
Water Quality Index		88.77	89.2	90.44	92.02	88.91	90.21	83.07	89.62	86.26	80.45	84.59	88.92

TABLE 2

TNRCC Segment 1812
TNRCC Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/21/90 1042	4/17/90 1044	5/30/90 956	6/25/90 1205	7/24/90 1120	8/9/90 915	9/11/90 850	10/9/90 850	11/5/90 1000	12/4/90 910	1/21/91 1010	2/11/91 1017
Flow (cfs)	00060	230	242	581	275	445	539	291	163	148	176	179	287
Fecal Coliform(org/100mL)	31616	36	66	72	94	140	94	300	1900	96	88	52	56
Suspended Solids(mg/L)	00530	9	6.4	7.6	6.8	10.4	8.2	7.8	39.4	3.7	4.2	3.1	6.9
Turbidity(NTU)	82079	4.1	5.6	4.8	5	5.7	3.7	4	31	2	2.5	2.5	4.1
pH	00400	8.16	8.26	7.8	8	7.8	7.82	7.77	7.53	8.5	7.98	8.61	7.68
Temperature(C)	00010	12.87	15.18	16.69	20.9	21.39	18.4	19.59	20.91	14.25	12.75	10.31	13.19
Dissolved Oxygen(mg/L)	00300	10.33	9.57	10.44	11.5	9.09	9.27	8.18	8.02	9.43	10.85	11	10.57
Conductivity(umhos/cm)	00094	401	370	369	383	395	391	389	335	373	398	477	390
Total Phosphorus(mg/L)	00665	0.06	0.016	0.04	<0.01	0.02	0.04	0.01	0.49	0.02	0.01	0.04	0.03
Nitrate-N(mg/L)	00630	1.26	0.45	<0.2	0.34	0.44	0.5	0.46	0.08	0.45	1.04	0.2	0.15
Water Quality Index		88.4	87.59	91.33	90.96	83.63	88.74	47.79	0	82.86	86.96	82.74	91.07

		Date and 24 hour time											
Parameter	Parameter Code	3/21/91 934	4/15/91 906	5/13/91 1000	6/4/91 1037	7/8/91 900	8/6/91 1130	9/4/91 955	10/14/91 1205	11/20/91 1130	12/27/91 1000	1/15/92 1050	2/27/92 900
Flow (cfs)	00060	555	313	423	355	374	203	176	324	322	2210	5140	104
Fecal Coliform(org/100mL)	31616	52	250	60	100	248	136	212	5	60	168	30	78
Suspended Solids(mg/L)	00530	7.3	7.4	8.6	6.2	8.6	9.5	10.1	5.3	2.6	16.2	7.8	1
Turbidity(NTU)	82079	4.8	4.5	6.75	7.5	7.2	4.8	5.4	3.9	7	9.5	11	0.8
pH	00400	8.13	8.21	8.19	7.44	7.73	8.26	8.03	8.4	7.95	8.23	8.25	8.23
Temperature(C)	00010	13.8	15.92	16.5	17.52	18.63	21.28	20.83	19.29	15.47	14.24	13.12	14.33
Dissolved Oxygen(mg/L)	00300	9.8	9.08	9.28	10.3	8.85	9.14	7.66	9.39	10.09	9.38	10.51	9.76
Conductivity(umhos/cm)	00094	378	414	418	403	416	421	408	469	396	406	381	503
Total Phosphorus(mg/L)	00665	0.14	0.03	0.03	0.01	0.08	0.03	0.03	0.01	0.14	0.02	0.03	0.02
Nitrate-N(mg/L)	00630	0.12	0.14	0.16	0.19	0.24	0.18	0.12	0.05	0.19	0.23	0.49	0.4
Water Quality Index		88.18	58.75	88.55	90.18	62.34	81.83	68.37	90.15	90.32	74.38	88.6	86.32

		Date and 24 hour time											
Parameter	Parameter Code	3/17/92 1210	4/29/92 926	5/13/92 1115	6/9/92 1046	7/29/92 945	8/18/92 909	9/16/92 1100	10/21/92 935	11/25/92 1100	12/16/92 1102	1/21/93 1127	2/25/93 1122
Flow (cfs)	00060	5380	5200	886	105	967	594	311	209	424	322	535	581
Fecal Coliform(org/100mL)	31616	8	16	38	36	55	40	50	114	112	62	24	96
Suspended Solids(mg/L)	00530	5.2	4.7	2.3	1.2	1.4	1	3.4	1.5	3.5	2.4	3.8	2.3
Turbidity(NTU)	82079	4	13	3	1	1.7	1.5	2.6	1.8	15	1.7	5.1	2.5
pH	00400	7.72	8.14	8.12	7.86	8.05	8.29	8.05	7.97	8.44	7.98	7.99	8.5
Temperature(C)	00010	14.39	17.22	18.8	22.5	22.8	22.29	24.27	22.26	15.25	12.8	12.26	14.23
Dissolved Oxygen(mg/L)	00300	10.35	9.12	9.2	7.85	8.08	7.57	7.51	7.45	9.71	10.71	10.78	11.02
Conductivity(umhos/cm)	00094	445	485	503	506	490	514	471	481	445	449	453	431
Total Phosphorus(mg/L)	00665	0.03	0.02	0.02	0.06	0.06	0.01	0.02	0.06	0.01	0.11	0.07	0.01
Nitrate-N(mg/L)	00630	0.75	0.77	0.7	0.57	0.53	0.16	0.2	0.29	0.38	0.35	0.32	0.3
Water Quality Index		92.44	90.5	90.86	91.06	89.56	88.35	88.86	84.42	82.24	88.59	89.67	84.45

TABLE 2

TNRCC Segment 1812
TNRCC Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/25/93 1135	4/19/93 1709	5/28/93 1232	6/22/93 1030	7/20/93 1152	8/11/93 1203	9/29/93 1440	10/14/93 1200	11/17/93 955	12/29/93 1430	1/19/94 1130	2/23/94 1104
Flow (cfs)	00060	465	459	304	385	136	123	128	120	152	132	134	144
Fecal Coliform(org/100mL)	31616	52	0	44	86	30	82	28	126	112	34	58	83
Suspended Solids(mg/L)	00530	1.6	1.6	2.3	2.7	4.3	9.6	8.5	8.2	5.2	1	2.1	4.2
Turbidity(NTU)	82079	2.6	2	2.4	2.8	2.7	4.7	3.4	2.6	2.9	1.6	2.2	9.9
pH	00400	8.46	8.16	8.18	8.18	8.12	8.08	7.89	7.88	8.11	8.39	8.35	8.33
Temperature(C)	00010	15.1	18.45	18.32	19.14	24.67	24.65	21.6	20.62	13.79	11.41	8.64	13.77
Dissolved Oxygen(mg/L)	00300	10.95	11.31	10.45	9.35	8.24	8.09	9.93	8.94	9.55	10.78	11.38	9.89
Conductivity(umhos/cm)	00094	448	444	435	448	443	440	452	503	422	387	391	370
Total Phosphorus(mg/L)	00665	0.18	0.03	0.03	0.06	0.04	0.05	0.3	0.01	0.03	0.01	0.04	0.05
Nitrate-N(mg/L)	00630	0.42	0.35	0.29	0.36	0.24	0.29	0.16	0.21	0.08	0.11	0.23	0.12
Water Quality Index		88.2	93.87	91.8	88	90.01	86.9	92.58	85.47	83.24	86.63	82.99	85.23

		Date and 24 hour time											
Parameter	Parameter Code	3/23/94 1331	4/13/94 1038	5/18/94 1016	6/21/94 1605	7/20/94 1146	8/24/94 1039	9/21/94 1047	10/19/94 1049	11/30/94 951	12/14/94 1029	1/17/95 1046	2/8/95 1033
Flow (cfs)	00060	221	228	819	451	141	93	101	116	283	283	390	283
Fecal Coliform(org/100mL)	31616	25	66	88	34	28	120	70	286	56	46	32	31
Suspended Solids(mg/L)	00530	31	4.2	21.2	3.9	7.1	9.1	8.1	10.8	4.8	3	7.3	1.1
Turbidity(NTU)	82079	28	7.5	9.6	3.1	4.4	5.7	4.7	5.6	2.5	1.7	4.6	0.53
pH	00400	7.96	8.2	7.84	8.12	8.05	7.74	7.84	7.81	7.89	7.96	8.05	7.98
Temperature(C)	00010	21.7	14.63	14.93	17.92	24.55	23.45	19.35	20.31	14.62	15.9	14.51	11.5
Dissolved Oxygen(mg/L)	00300	7.18	10.04	9.31	10.7	8.76	7.78	8.65	8.1	9.65	9.07	9.86	10.64
Conductivity(umhos/cm)	00094	490	385	398	391	392	414	404	403	408	400	415	460
Total Phosphorus(mg/L)	00665	0.17	0.06	0.07	0.1	0.03	0.05	0.01	0.33	0.02	0.06	0.09	0.02
Nitrate-N(mg/L)	00630	0.72	0.2	0.23	0.25	0.18	0.12	0.33	0.22	0.19	0.22	0.26	0.18
Water Quality Index		88.3	88.09	86.73	92.67	91.11	84.74	90.15	50.49	89.84	90.36	90.02	88.8

		Date and 24 hour time											
Parameter	Parameter Code	3/15/95 1032	4/27/94 908	5/18/95 1039	6/13/95 1056	7/18/95 1020	8/22/95 1047	9/26/95 1100	10/16/95 1047	11/28/95 1520	12/19/95 1331	1/9/96 1041	2/13/96 1201
Flow (cfs)	00060	316	380	207	587	385	103	124	114	200	155	132	123
Fecal Coliform(org/100mL)	31616	56	62	525	72	40	30	62	41	45	64	30	10
Suspended Solids(mg/L)	00530	2.4	9.9	12.3	6.5	3.6	4.7	8.7	4.9	3.1	4.7	3.2	2.2
Turbidity(NTU)	82079	2.3	5.5	7.5	2.7	2.1	2.6	4.9	2.9	2.1	3.1	2.5	2.5
pH	00400	8.08	8.23	8.03	8.29	8.3	8.36	8.3	8.11	8.33	8.51	8.27	8.44
Temperature(C)	00010	14.64	16.2	19.16	16.5	19.68	23.07	20.15	16.04	14.97	12.3	8.52	11.26
Dissolved Oxygen(mg/L)	00300	10	9.62	9.76	10	9.67	8.91	8.52	8.95	9.78	10.15	11.33	10.55
Conductivity(umhos/cm)	00094	410	430	450	430	400	380	422	420	399	388	370	372
Total Phosphorus(mg/L)	00665	0.08	0.1	0.06	0.09	0.18	0.13	0.06	0.15	0.12	0.13	0.02	0.09
Nitrate-N(mg/L)	00630	0.15	0.34	0.4	0.19	0.21	0.14	0.99	0.19	0.27	0.16	0.12	0.03
Water Quality Index		86.37	88.23	0	87.98	90.5	89.78	88.85	89.36	88.37	84.17	84.56	86.32

TABLE 2

TNRCC Segment 1812
TNRCC Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

Parameter	Parameter Code	Date and 24 hour time 3/21/96 1058	4/24/96 1645	5/29/96 1232	6/26/96 1432	7/23/96 1409	8/20/96 1418	9/24/96 1334	10/14/96 1115	11/4/96 1117	12/9/96 1103	1/20/97 1040	2/17/97 1030
Flow (cfs)	00060	126	129	114	52	36	29	109	102	227	187	176	136
Fecal Coliform(org/100mL)	31616	16	22	78	5000	48	16	40	58	56	64	36	52
Suspended Solids(mg/L)	00530	4.4	6.4	18.6	87.7	10.9	8.7	10.0	10.2	9.6	6.1	6.0	4.4
Turbidity(NTU)	82079	1.3	2.8	14	80	8.0	7.4	5.0	6.5	4.8	3.6	3.7	2.9
pH	00400	8.53	8.29	8.26	7.80	8.17	8.35	8.31	7.89	8.00	8.20	8.62	8.63
Temperature(C)	00010	12.66	16.66	22.10	26.30	30.10	29.13	24.60	18.36	15.21	13.38	11.35	10.76
Dissolved Oxygen(mg/L)	00300	10.53	9.55	8.39	6.86	8.00	7.81	9.40	8.71	9.68	10.29	10.74	11.50
Conductivity(umhos/cm)	00094	376	442	430	263	443	425	425	414	404	404	388	403
Total Phosphorus(mg/L)	00665	0.06	0.07	0.04	0.3	0.17	0.09	0.05	0.07	0.02	0.06	0.05	0.07
Nitrate-N(mg/L)	00630	0.12	0.16	0.19	0.48	0.56	0.05	0.11	0.12	0.15	0.06	0.18	0.15
Chloride(mg/L)	00940								27.5	18.0	33.8	18.6	23.1
Sulfate(mg/L)	00945								23.2	22.2	34.5	21.3	23.3
Total Hardness(mg/L)	00900								195	189	186	178	189
Ammonia-N(mg/L)	00610								0.05		0.08		0.13
E. coli(org/100mL)	31648								6	4	44	0	42
Chlorophyll a(mg/m^3)	32211 70300								1.4	<1.0	<1.0	1.87	<1.0
Water Quality Index		86.9	89.89	86.54	0	84.60	85.54	89.57	90.29	89.53	87.39	84.44	83.85

Parameter	Parameter Code	Date and 24 hour time 3/18/97 1040	4/21/97 1045	5/13/97 925	6/16/97 1050	7/15/97 1050	8/18/97 1215	9/29/97 1100	10/20/97 1105	11/17/97 1214	12/9/97 1233	1/12/98 1108	2/9/98 1049
Flow (cfs)	00060	988	1030	1040	3690	5290	725	279	180	183	242	732	988
Fecal Coliform(org/100mL)	31616	36	16	28	84	24	64	74	24	32	18	55	36
Suspended Solids(mg/L)	00530	9.2	3.6	5.3	10.1	8	1	1.4	1.6	<1.0	1.9	7.8	5.7
Turbidity(NTU)	82079	4.0	2.4	3.4	4.2	9.3	1.5	1.6	1.6	4.5	2.9	5.1	4
pH	00400	8.58	7.93	8.12	7.85	7.24	8.21	8.06	8.04	8.08	8.15	8.07	7.48
Temperature(C)	00010	13.01	15.13	15.77	19.11	22.45	24.00	24.31	21.61	14.28	15.65	13.71	12.68
Dissolved Oxygen(mg/L)	00300	11.43	9.92	9.64	9.45	8.52	10.6	8.90	8.45	11.08	10.99	10.3	11.09
Conductivity(umhos/cm)	00094	379	398	413	433	314	400	444	465	428	442	427	436
Total Phosphorus(mg/L)	00665	0.02	<0.05	<0.05	0.06	0.08	0.08	0.05	<0.05	<0.05	<0.05	0.1	<0.05
Nitrate-N(mg/L)	00630	0.30	0.36	0.27	0.39	0.42	0.28	0.47	0.61	0.15	0.34	0.39	0.25
Chloride(mg/L)	00940	19.1	25.2	29.2	16	6	10	11	10.6	15.8	16.5	13	14.6
Sulfate(mg/L)	00945	21.4	21.4	21.8	24.1	3	6.2	29.5	4.5	21.7	21.9	19.6	20.8
Total Hardness(mg/L)	00900	175	222	185	222	151	210	290	255	236	210	189	214
Ammonia-N(mg/L)	00610		0.08		0.09		0.08		0.06		0.08		
E. coli(org/100mL)	31648	36	16	28	60	24	20	52	18	28	14	2	28
Chlorophyll a(mg/m^3)	32211 70300	<1.0	<1.0	1.9	1.1	<1.0	1.3	1.1	<1.0	<1.0	<1.0	<1.0	1.1
Water Quality Index		87.06	91.81	90.54	89.62	94.16	91.01	89.04	91.44	91.34	92.08	88.68	91.93

Parameter	Parameter Code	Date and 24 hour time 3/17/98 1047	4/13/98 1039	5/18/98 1336	6/10/98 1138	7/13/98 1104	8/10/98 1040	9/15/98 1207	10/27/98 1340	11/10/98 1124	12/8/98 1215	1/11/99 1136	2/8/99 1031
Flow (cfs)	00060	2060	556	197	267	127		304	26	2740	2750	360	
Fecal Coliform(org/100mL)	31616	22	26	18	50	29	58	92	45	148	48	12	54
Suspended Solids(mg/L)	00530	14.9	2.6	1.2	3.4	4.9	6	5.2	1.4	15.4	4.1	2.1	2
Turbidity(NTU)	82079	8.4	2.8	2	3.5	3.4	5	5.4	2	5.3	4.1	3.7	2.6
pH	00400	8.43	8.56	8.21	8.03	7.78	7.84	8.20	7.62	7.85	7.62	7.03	7.41
Temperature(C)	00010	14.29	16.26	21.39	20.96	25.70	24.18	19.93	22.52	19.33	18.61	11.69	15.92
Dissolved Oxygen(mg/L)	00300	13.25	10.34	11	9.92	7.93	8.06	9.89	8.66	9.48	9.9	11.56	9.9
Conductivity(umhos/cm)	00094	434	438	422	430	416	433	452	569	408	362	412	408
Total Phosphorus(mg/L)	00665	0.09	<0.05	0.12	0.34	0.21	0.1	<0.01	0.04	<0.01	<0.01	0.06	0.03
Nitrate-N(mg/L)	00630	0.41	0.38	0.39	0.08	0.04	0.23	0.2	0.77	0.33	0.31	0.25	0.25
Chloride(mg/L)	00940	15.4	15.4	15.7	14.4	13.3	14.1	15.7	12.3	10.9	14.2	20.6	
Sulfate(mg/L)	00945	21.6	21.2	21	19.7	18.1	20.2	19.2	21.9	11.4	12.4	23.7	
Total Hardness(mg/L)	00900	204	203	207	177	160	237	177	256	180	164	224	
Ammonia-N(mg/L)	00610		0.11		0.08		0.06		0.07		0.06		
E. coli(org/100mL)	31648	22	30	11	22	22	12	56	45	128	36	6	
Chlorophyll a(mg/m^3)	32211	1.1	<1.0	<1.0	3	<1.0	<1.0	2.6	<1.0	1.1	<1.0	<1.0	
Total Dissolved Solids(mg/L)	70300								292				
Water Quality Index		91.02	88.79	93.51	92.15	90.94	89.96	88	26	82.2	93.79	92.85	

TABLE 2

TNRCC Segment 1812
TNRCC Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/15/99 1132	4/12/99 1120	5/12/99 1043	6/8/99 1156	7/12/99 1208	8/25/99 1147	9/25/99 1030	10/19/99 1121	11/10/99 1118	12/14/99 1118	1/24/00 1204	2/14/00 1120
Flow (cfs)	00060	154		142	197	350	112	96	101	101	97	98	105
Fecal Coliform(org/100mL)	31616	8	124	88	22	33	92	69	224	46	54	70	42
Suspended Solids(mg/L)	00530	<1.0	32.4	9.3	6.4	7.2	9.2	11.1	8	5.8	3.4	5.2	6
Turbidity(NTU)	82079	3.1	22	9.8	6.2	4	3.5	6	4.7	4.3	3	3.6	5
pH	00400	7.40	7.89	8.21	8.29	8.27	8.29	8.41	8.41	8.20	8.06	8.23	7.90
Temperature(C)	00010	14.08	19.45	19.81	22.34	19.86	23.09	22.44	14.23	16.72	10.72	13.15	14.35
Dissolved Oxygen(mg/L)	00300	10.75	8.76	9.38	9.37	12.94	9.18	9.55	10.29	9.8	11.08	10.32	10.15
Conductivity(umhos/cm)	00094	425	404	412	378	384	381	383	384	389	381	395	377
Total Phosphorus(mg/L)	00665	0.06	0.02	0.08	0.12	<0.01	<0.01	0.07	0.021	0.085	0.06	0.032	0.01
Nitrate-N(mg/L)	00630	0.26	0.04	0.32	0.38	0.44	0.17	0.162	1.2	0.123	0.161	0.226	<0.02
Chloride(mg/L)	00940	13.9	9.1	13.4	13.1	11.3	13	13.9	12.7	16.4	16.2	16.9	15.1
Sulfate(mg/L)	00945	21.5	21.7	20.2	18.8	19.3	5	17.8	33.3	19.6	24	22.8	20.8
Total Hardness(mg/L)	00900	188	198	179	209	228	196	206	175	201	204	198	202
Ammonia-N(mg/L)	00610		0.1		0.08		0.09		0.16		0.16		0.54
E. coli(org/100mL)	31648	8	124	52	18	12	48	12	188	28	48	38	42
Chlorophyll a(mg/m^3)	32211	<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3
Total Dissolved Solids(mg/L)	70300												

		Date and 24 hour time											
Parameter	Parameter Code	3/21/00 1305	4/18/00 1108	5/11/00 1148	6/26/00 1420	7/18/00 1429	8/13/00 937	9/18/00 1527	10/27/00 1556	11/27/00 1325	12/14/00 1200	1/22/01 1311	2/21/01 1107
Flow (cfs)	00060	97	93	93	106	52	57	55	108	2090	898	614	1050
Fecal Coliform(org/100mL)	31616	86	66	40	24	27	76	13	104	26	29	12	46
Suspended Solids(mg/L)	00530	5.8	5.8	9.1	8.2	9.5	11	8.8	9	4.6	9.2	2.9	4.2
Turbidity(NTU)	82079	5.0	5.55	6.5	5	8.2	6.7	6.7	4.2	1.4	5	3.3	2.7
pH	00400	8.29	8.06	7.97	7.66	8.00	7.68	8.26	7.89	8.14	8.23	8.11	8.25
Temperature(C)	00010	16.58	20.77	22.31	28.07	30.13	28.01	25.35	22.64	16.28	13.95	10.31	12.26
Dissolved Oxygen(mg/L)	00300	10.14	8.52	8.68	9.28	9.01	8.51	10.07	9.59	12.7	12.57	13.78	12.02
Conductivity(umhos/cm)	00094	400	409	423	399	406	389	397	433	384	402	426	420
Total Phosphorus(mg/L)	00665	0.026	0.032	0.06	0.03	0.01	0.04	<0.01	<0.01	0.04	0.03	0.03	0.04
Nitrate-N(mg/L)	00630	0.10	0.109	0.142	0.088	0.11	0.06	0.15	0.21	0.6	0.38	0.51	0.52
Chloride(mg/L)	00940	16.3	16.7	15.5	15.9	16.5	18	16.9	15.9	13.5	13.8	16.4	15.3
Sulfate(mg/L)	00945	20.6	19.2	21	22.9	20.6	21.6	18.6	19.9	4.1	5.9	25.8	23.5
Total Hardness(mg/L)	00900	195	214	178	209	176	211	175	225	194	194	202	187
Ammonia-N(mg/L)	00610		0.13		0.15		0.21		0.11		0.12		<0.02
E. coli(org/100mL)	31648	69	60	32	14	25	61	10	40	26	22	8	44
Chlorophyll a(mg/m^3)	32211	<1.0	1.1	<1.0	1.7	<1	2	<1	<1	<1	<1	<1	2
Total Dissolved Solids(mg/L)	70300												

		Date and 24 hour time											
Parameter	Parameter Code	3/15/01 1014	4/9/01 1209	5/1/01 1334	6/19/01 1138	7/9/01 1438	815/01 1121	9/12/01 1146	10/9/01 1454	11/8/01 1424	12/19/01 1415	1/22/02 1558	2/14/02 1438
Flow (cfs)	00061	1110	901	793	216	202	116	1020	256	317	2400	408	352
Fecal Coliform(org/100mL)	31699	16	16	18	27	9	22	276	58	30	**		
Suspended Solids(mg/L)	00530	3.4	2	6.7	1.8	2.4	4.7	14.4	2.7	2	13.8	4.1	1.4
Turbidity(NTU)	82079	2.6	2	1.7	2	2.7	2.1	6	2.5	2.1	5.3	3.1	2.4
pH	00400	8.27	8.21	8.29	8.37	8.13	7.27	7.99	8.19	8.28	8.06	8.19	8.41
Temperature(C)	00010	12.88	12.48	15.67	20.89	24.94	23.71	17.75	19.69	20.4	16.24	13.02	13.57
Dissolved Oxygen(mg/L)	00300	12.79	12.04	13.12	11.42	10.55	9.12	11.53	11.1	11.08	10.92	12.62	12.42
Conductivity(umhos/cm)	00094	417	420	442	463	461	498	461	443	439	410	446	426
Total Phosphorus(mg/L)	00665	0.08	0.02	0.04	0.02	<0.01	0.05	<0.01	0.02	<0.01	0.18	0.12	0.05
Nitrate-N(mg/L)	00620	0.46	0.45	0.45	0.34	0.57	0.29	0.39	0.15	0.28	0.34	0.28	0.34
Chloride(mg/L)	00940	15.9	14.8	15.2	24	21.7	18.1	14.4	18.2	17.1	15	19.1	14.3
Sulfate(mg/L)	00945	23.4	6	21.8	21.5	22.1	23.1	21.9	22.1	3.82	24.1	19.2	18.6
Total Hardness(mg/L)	00900	183	227	212	214	215	210	244	206	202	183	215	208
Ammonia-N(mg/L)	00610		<0.02		<0.02		0.06		0.12		<0.02		<0.02
E. coli(org/100mL)	32211	6	4	16	3	7	3	20	56	20	387	42	14
Chlorophyll a (mg/m^3)	32218	<1	<1.0	<1	1	<1	<1.0	1.7	<1	<1	1.5	2	<1
Pheophytin (mg/m^3)	32218										1.3	1.7	5.1

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

TABLE 2

TCEQ Segment 1812
TCEQ Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/14/02 958	4/22/02 1404	5/14/02 1042	6/10/02 1151	7/23/02 1143	8/8/02 1209	9/17/02 1140	10/15/02 1106	11/12/02 1120	12/16/02 1616	1/9/03 1131	2/27/03 1153
Flow (cfs)	00061	243	203	167	159	3200	1210	4850	187	3100	419	463	411
E. coli(org/100mL)	31699	34	19	23	13	27	40	26	167	96	107	86	
Suspended Solids(mg/L)	00530	<1	2.4	3.3	4.4	15	4.3	4.3	2.3	12.6	3.6	3.6	4.2
Turbidity(NTU)	82079	2.4	2.2	2.8	3.1	4.9	2.7	3.3	4.3	7.5	3.5	3.9	2.7
pH	00400	8.09	8.14	8.05	8.18	8.05	8.21	7.64	8.1	7.9	8.41	8.13	8.03
Temperature(C)	00010	15.23	19.16	17.62	23.71	27	29	24.1	18.6	18.9	16.7	14.2	10.1
Dissolved Oxygen(mg/L)	00300	10.68	12.02	10.58	11.76	8.35	8.48	8.51	9.7	10.32	11.8	12.8	13.5
Conductivity(umhos/cm)	00094	431	448	430	424	370	399	357	463	479	490	478	492
Total Phosphorus(mg/L)	00665	<0.01	0.02	0.02	0.01	0.03	<0.05	<0.05	<0.05	0.06	0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	0.22	0.4	0.22	0.28	0.27	0.11	0.07	0.21	0.16	0.26	0.08	0.19
Chloride(mg/L)	00940	12.8	13.5	12.8	12.9	7.7	8.7	5.6	<10	10.7	11.8	10.8	11.3
Sulfate(mg/L)	00945	18.2	18.7	18.1	17.7	12	13.8	9	12.9	16.8	20.9	19	21.6
Total Hardness(mg/L)	00900	212	166	188	211	196	193	279	235	225	247	250	239
Ammonia-N(mg/L)	00610		<0.02		<0.02		<0.02		0.02		<0.02		<0.02
Chlorophyll a (mg/m^3)	32211	<1	<1	<1	<1	3.5	3.6	<1	<1	<1	<1	<1	<1
Pheophytin (mg/m^3)	32218	2.6	5.1	1.9	2.1	6.5	5.7	3.2	1.6	2.8	<1	2.58	<1

		Date and 24 hour time											
Parameter	Parameter Code	3/21/03 1315	4/17/03 1425	5/15/03 1300	6/25/03 1422	7/29/03 1335	8/18/03 1352	9/10/03 1448	10/2/03 1206	11/06/03 1457	12/02/03 1547	1/14/04 1417	2/18/04 1203
Flow (cfs)	00061	319	320	337	349	313	214	206	112	137	141	117	251
E. coli(org/100mL)	31699	36	87	35	63	47	27	30	50	77	90	185	67
Suspended Solids(mg/L)	00530	7.2	17.8	5.1	3.8	7	3.2	2.3	5.1	4.3	<1	5.1	4.5
Turbidity(NTU)	82079	4.8	17	2.8	5.7	2.6	3.3	5.01	6.84	4.28	2.89	6.83	7.89
pH	00400	7.85	7.84	8.08	8.06	8.16	8.07	8.18	8.53	8.29	8.43	8.11	8.21
Temperature(C)	00010	15.30	18.20	18.90	20.30	20.30	23.10	22.80	17.60	19.40	18.60	14.40	12.80
Dissolved Oxygen(mg/L)	00300	12.5	11	8.39	11.4	9.18	10.4	8.64	9.06	8.51	10.8	10.6	8.76
Conductivity(umhos/cm)	00094	480	477	476	481	460	471	453	482	479	460	435	408
Total Phosphorus(mg/L)	00665	0.05	<0.05	<0.05	0.06	0.02	0.02	0.03	<0.02	<0.02	0.15	0.07	0.02
Nitrate-N(mg/L)	00620	0.34	0.65	0.16	0.2	0.17	0.22	0.04	<0.02	0.03	0.03	0.1	0.03
Chloride(mg/L)	00940	12.2	13.2	17	12.4	12.40	12.2	12.4	12.2	12.4	12	13.5	14.9
Sulfate(mg/L)	00945	21.5	22.8	25.7	20.4	19.40	18.2	18	17.4	18	17.2	20.5	20.9
Total Hardness(mg/L)	00900	245	242	271	249	248	232	226	227	232	231	198	204
Ammonia-N(mg/L)	00610		0.02		0.02		<0.02		0.04		0.09		0.02
Chlorophyll a(mg/m^3)	32211	<1.0	1.07	1.07	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
Pheophytin (mg/m3)	32218	<1.0	<1.0	<1.0	<1.0	1.6	1.4	1.56	<1.0	1.3	<3.0	<3.0	<3.0

		Date and 24 hour time											
Parameter	Parameter Code	03/09/04 1414	04/13/04 1329	05/10/04 1308	06/16/04 1330	7/16/04 1430	8/6/04 1341	9/17/04 1423	10/12/04 1403	11/8/04 1314	12/7/04 1330	1/12/05 948	2/8/05 1343
Flow (cfs)	00061	309	9070	199	4630	2470	491	741	570	1310	5160	613	1090
E. coli(org/100mL)	31699	13	13	49	49	84	35	48	19	36	31	35	132
Suspended Solids(mg/L)	00530	5.1	15.6	3.5	13.9	6.8	1.3	6.2	4.5	9.9	5.9	5.1	5.2
Turbidity(NTU)	82079	7.7	12.4	3.8	7.08	6.8	2	2.5	2.3	9.6	8	5.3	6
pH	00400	8.28	8.87	8.10	7.90	7.83	7.95	8.07	8.08	8.04	8.04	7.99	8.15
Temperature(C)	00010	15.40	13.80	19.20	19.50	25.20	25.60	26.10	24.40	22.40	17.80	14.00	12.70
Dissolved Oxygen(mg/L)	00300	9.74	8.87	10.6	9.05	8.71	9.46	9.12	10.08	10	12.2	10.7	11.9
Conductivity(umhos/cm)	00094	436	426	444	418	481	424	432	461	411	443	475	447
Total Phosphorus(mg/L)	00665	0.05	0.08	0.05	0.08	0.07	0.06	<0.05	<0.05	0.05	0.08	0.09	<0.05
Nitrate-N(mg/L)	00620	0.18	0.07	0.17	0.16	0.42	0.16	0.06	0.05	0.2	0.31	0.51	0.37
Chloride(mg/L)	00940	15	15.5	14.3	15.2	11.60	10	11.3	12.2	12.1	10.8	12.9	10.8
Sulfate(mg/L)	00945	20.8	20.3	20.3	20.2	16.10	13.5	14.3	15.2	17.7	17	22.5	17.2
Total Hardness(mg/L)	00900	194	205	203	210	195.00	200	213	211	208	214	264	232
Ammonia-N(mg/L)	00610		0.02		0.03		0.04		0.22		<0.02		0.02
Chlorophyll a(mg/m^3)	32211	<5.0	<5.0	<5.0	<5.0	<5	<1	2.7	4.2	<1	<1.0	1.8	1.1
Pheophytin (mg/m3)	32218	<3.0	<3.0	<3.0	<3.0	3.8	<3	<3	<3	<3	<3.0	<3	<3

TABLE 2

TCEQ Segment 1812
TCEQ Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/1/05 1439	4/1/05 1402	5/4/05 1328	6/1/05 1407	7/5/05 1348	8/2/05 1326	9/13/05 1219	10/3/05 1325	11/3/05 1200	12/1/05 0:00	1/3/06 1435	2/3/06 1249
Flow (cfs)	00061	999	561	400	565	254	216	199	115	111	111	115	125
E. coli(org/100mL)	31699	40	13	24	160	11	12	81	56	56	21	37	500
Suspended Solids(mg/L)	00530	5.3	3.6	4	9.9	3.3	4	5	3	5	1.7	4.7	13.3
Turbidity(NTU)	82079	4.2	4.1	3.6	10.5	3.1	3.2	4	4.3	3	2	2.3	6
pH	00400	8.11	7.99	7.92	8.07	8.19	8.18	8.05	7.98	8.15	8.25	8.23	8.22
Temperature(C)	00010	13.90	15.50	17.30	20.00	24.9	23.5	22.7	24.8	15.5	14.4	14.6	14.7
Dissolved Oxygen(mg/L)	00300	13.4	12.04	11.6	10.23	10	10.35	9.62	8.52	11.19	12.5	11.9	11.8
Conductivity(umhos/cm)	00094	465	527	461	434	444	443	448	427	469	425	442	430
Total Phosphorus(mg/L)	00665	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	0.47	0.46	0.43	0.44	0.32	0.24	0.13	0.14	0.12	0.09	0.16	0.12
Chloride(mg/L)	00940	11.5	11.7	11.3	12.2	12.2	12.7	12.8	12.9	12.7	14.3	16.4	15.3
Sulfate(mg/L)	00945	19.1	18.8	18.2	18.6	18.5	18.4	17.4	18.1	16.5	20.1	24.6	23.6
Total Hardness(mg/L)	00900	226	228	226	211	213	225	220	232	226	198	198	202
Ammonia-N(mg/L)	00610		0.03		<0.02		0.02		0.09		0.06		0.03
Chlorophyll a(mg/m^3)	32211	<1	<1	<1	<1	1.5	1.9	<1	<1	<1	<1	1.1	<1
Pheophytin (mg/m3)	32218	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<1	<1

		Date and 24 hour time											
Parameter	Parameter Code	3/1/06 1306	4/3/06 1032	5/3/06 1456	6/6/06 1420	7/11/06 1425	8/8/06 1413	9/7/06 933	10/11/06 1428	11/2/06 1327	12/4/06 1340	1/10/07 1413	2/7/07 1417
Flow (cfs)	00061	133	119	130	130	65	4.3	69	55	59	61	87	
E. coli(org/100mL)	31699	75	91	54	16	41	72	270	160	110	111	70	100
Suspended Solids(mg/L)	00530	6	7	7	7.3	15.7	8.3	10.7	5.7	5	1.7	5.3	8.3
Turbidity(NTU)	82079	6.7	5	4.4	6.5	11.6	7.3	11.3	6.1	5.2	1	4.4	4.4
pH	00400	8.19	8.19	8.22	8.28	8.11	8.17	8.08	8.19	8.27	8.06	8.16	8.16
Temperature(C)	00010	17.8	19.1	21.8	24.8	26.7	28.4	21.3	21.7	16.9	8.9	10.9	15.6
Dissolved Oxygen(mg/L)	00300	10.9	9.64	12.7	10.3	8.64	8.36	7.84	8.98	11.1	13.8	12.3	12
Conductivity(umhos/cm)	00094	418	376	405	409	417	408	383	401	437	434	479	501
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	<0.05
Nitrate-N(mg/L)	00620	0.09	0.13	0.13	0.09	0.12	0.1	0.1	0.06	0.06	0.05	0.04	0.21
Chloride(mg/L)	00940	15.4	15.7	19.5	16.2	15.6	15.2	13.7	14.8	15.4	15.7	16.6	16.2
Sulfate(mg/L)	00945	23.5	23.9	23.2	23.7	24.7	21.1	19.6	19.8	19.3	20.8	24.3	27.3
Total Hardness(mg/L)	00900	165	153	200	194	195	196	168	182	188	202	204	206
Ammonia-N(mg/L)	00610		<0.02		0.02		0.03		<0.02		0.03		<0.02
Chlorophyll a(mg/m^3)	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin (mg/m3)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

		Date and 24 hour time											
Parameter	Parameter Code	3/5/07 1445	4/2/07 1403	5/7/07 1015	6/11/07 1435	7/10/07 1359	8/8/07 1249	9/17/07 1324	10/10/07 1405	11/12/07 1220	12/10/07 1455	1/9/08 1252	2/12/08 1229
Flow (cfs)	00061	93	1120	2350	3020	1570	4630	1470	1050	342	271	189	212
E. coli(org/100mL)	31699	23	67	62	170	160	64	30	80	100	36	68	70
Suspended Solids(mg/L)	00530	3.3	21.7	10.7	9	3	19	2	2.3	6	5	3	4.7
Turbidity(NTU)	82079	3.9	13.8	4.5	7	2.5	12.9	4.3	1.6	4.4	6.56	3.4	3.4
pH	00400	8.10	8.14	8.09	8.00	8.05	7.78	7.86	7.97	8.21	8.21	8.2	8.2
Temperature(C)	00010	13.30	14.60	15.80	20.70	24.2	25.20	26.50	26.10	21.20	15.1	13.9	14.8
Dissolved Oxygen(mg/L)	00300	12.9	10.2	11.5	11.6	12	8.76	8.92	10	11.9	12	10.6	11.5
Conductivity(umhos/cm)	00094	476	453	439	445	476	449	464	512	444	487	442	413
Total Phosphorus(mg/L)	00665	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	0.09	0.12	0.18	0.29	0.29	0.3	0.9	0.48	0.38	0.42	0.32	0.38
Chloride(mg/L)	00940	14.9	15.3	8.4	6.2	12.3	9.8	10.8	12.3	15.1	12.8	11.7	12.8
Sulfate(mg/L)	00945	25.4	22.9	21.6	8.7	18.8	13.9	17.4	19.5	24	20.5	19.1	22
Total Hardness(mg/L)	00900	203	204	204	209	223	188	234	252	217	231	200	212
Ammonia-N(mg/L)	00610		0.03		0.02		0.02		<0.1		0.1		<0.10
Chlorophyll a(mg/m^3)	32211	<1		<1	1.8	<1	<1	<1	<1	1.5	1.2	<1	<1
Pheophytin (mg/m3)	32218	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen	00625								<0.50		<0.5		<0.5

TABLE 2

TCEQ Segment 1812
TCEQ Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/10/08 1049	4/8/08 1425	5/6/08 1226	6/10/08 1217	7/2/08 1351	8/5/08 1441	9/8/08 1335	10/6/08 1355	11/11/08 1334	12/3/08 0:00	1/5/09 1204	2/2/09 1216
Flow (cfs)	00061	148	149	148	215	208	204	199	54	55	65	37	59
E. coli(org/100mL)	31699	870	36	84	46	65	47	66	37	170	160	51	50
Suspended Solids(mg/L)	00530	12.7	3.4	4.3	12.7	10.7	3.7	8.3	4	3	2	2.3	4.7
Turbidity(NTU)	82079	7.0	4.1	5.8	10.6	9.6		5.88	3.6	3.25	2.1	3.98	4.7
pH	00400	8.20	8.20	8.20	8.10	8.1	8.3	8.2	8.4	8.1	7.9	8	8.3
Temperature(C)	00010	13.9	22.5	20.2	22.6	20.6	23.4	23.0	23.2	19.8	15.3	10.7	9.7
Dissolved Oxygen(mg/L)	00300	11	10.7	9.8	10.5	11.1	9.7	10		9.3	10.6	13.4	11.5
Conductivity(umhos/cm)	00094	445	414	418	429	404	419	423	425	426	425	408	414
Total Phosphorus(mg/L)	00665	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.38	<0.05	<0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	0.37	0.28	0.29	0.3	0.35	0.25	0.1	0.09	0.11	0.09	<0.05	<0.05
Chloride(mg/L)	00940	12.8	12.6	14	13.5	14.2	14.3	13.6	14.3	14.6	13.3	16.6	16.3
Sulfate(mg/L)	00945	21	21.6	23	21.5	21.4	21.7	18.5	19.4	19.3	18.6	23.4	24.8
Total Hardness(mg/L)	00900	201	204	227	207	214	202	186	164	203	208	192	207
Ammonia-N(mg/L)	00610		<0.1		<0.1		0.11		0.11		0.17		0.14
Chlorophyll a(mg/m^3)	32211	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin (mg/m3)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625		0.24		0.34		0.25		0.25		<0.2		0.26

		Date and 24 hour time											
Parameter	Parameter Code	3/9/09 1307	4/8/09 1324	5/4/09 1433	6/1/09 1403	7/07/09 1213	8/05/09 1247	9/08/09 1236	10/07/09 1356	11/09/09 1231	12/02/09 1352	1/11/10 1409	2/10/10 1320
Flow (cfs)	00061	56	54	105	64	70	62	56	97	114	113	102	115
E. coli(org/100mL)	31699	430	96	68	78	760	64	50	160	440	1120	28	120
Suspended Solids(mg/L)	00530	7.7	6.3	13.7	10	15.7	8	8.7	10	7.3	5.3	2.3	5.7
Turbidity(NTU)	82079	5.1	8.44	5.7	3.5	17	8.9	7.1	5.6	7.2	6	1.3	5.7
pH	00400	8.10	8.30	8.30	8.20	8.2	8.2	8.2	8.2	8.1	8	8.1	8
Temperature(C)	00010	20.9	16.2	22.5	27.1	26.2	27.9	25.4	24.2	19.0	13.4	8.3	11.1
Dissolved Oxygen(mg/L)	00300	10	10.8	10.4	8.9	11.6	8.1	8	8	7.1	11.1	11.6	10.6
Conductivity(umhos/cm)	00094	403	407	403	404	368	410	408	488	433	441	446	490
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	<0.05
Nitrate-N(mg/L)	00620	0.05	0.06	0.1	0.1	<0.05	<0.05	<0.05	0.89	0.3	0.31	0.26	0.64
Chloride(mg/L)	00940	16.3	17.6	17.2	15	15.8	15.7	14.9	12.9	14	14.3	16.7	12.3
Sulfate(mg/L)	00945	24.5	28.6	25.9	23.8	21.1	23.1	20.1	23.9	20.7	23.3	28.5	21.4
Total Hardness(mg/L)	00900	190	198	193	189	197	194	203	251	220	240	216	257
Ammonia-N(mg/L)	00610		<0.1		<0.1		0.15		0.11		0.14		<0.1
Chlorophyll a(mg/m^3)	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin (mg/m3)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625		<0.2		0.32		0.22		0.24		0.27		<0.2

		Date and 24 hour time											
Parameter	Parameter Code	3/2/10 1332	4/6/10 1243	5/3/10 1231	6/8/10 1248	7/07/10 1500	08/02/10 1320	9/13/10 1315	10/5/10 1330	11/16/10 1343	12/3/10 1300	1/4/11 1510	2/14/11 1317
Flow (cfs)	00061	805	394	507	409	549	247	882	202	108	108	106	129
E. coli(org/100mL)	31699	37	43	24	50	47	43	200	33	71	83	74	26
Suspended Solids(mg/L)	00530	11.3	7.3	3.3	4	8.3	3.3	9	2.5	<1.0	1.7	2.9	3.9
Turbidity(NTU)	82079	9.1	5.1	3.6	4.2	4.8	2.7	5.5	1.8	1.5	2.2	2.3	3.4
pH	00400	8.30	8.20	8.20	8.10	8	8.1	8	8.1	8.2	6.8	8.2	8.2
Temperature(C)	00010	11.9	17.0	15.9	18.7	20.9	24.2	21.5	19.6	16.7	17.2	12.4	12.6
Dissolved Oxygen(mg/L)	00300	11.4	12.2	11.8	9.6	9.3	9.4	8.7	9.5	10.2	9.4	10.8	11.2
Conductivity(umhos/cm)	00094	430	445	443	476	455	447	454	458	452	300	418	416
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	<0.05
Nitrate-N(mg/L)	00620	0.23	0.19	0.34	0.33	0.31	0.24	<0.05	0.14	0.2	0.12	0.14	0.13
Chloride(mg/L)	00940	16.4	16.3	16.3	16.2	12.7	17.4	18.3	15	15.9	14.1	17.2	16.8
Sulfate(mg/L)	00945	22.4	25.4	24.1	24.4	<1.00	24.3	24.7	19.5	20.3	19.1	24.3	23.5
Total Hardness(mg/L)	00900	210	228	192	234	216	213	229	238	218	192	192	199
Ammonia-N(mg/L)	00610		<0.1		0.11		<0.10		0.21		0.12		0.12
Chlorophyll a(mg/m^3)	32211	1.3	1.1	<1	<1	<1	17.4	<1	<1	<1	<1	<1	<1
Pheophytin (mg/m3)	32218	<1	<1	<1	<1	<1	24.3	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625		0.2		0.22		0.25		0.23		<0.2		0.28

TABLE 2

TCEQ Segment 1812
TCEQ Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/1/11 938	4/6/11 1305	5/9/11 1337	6/1/11 1032	7/7/11 1353	8/3/11 1334	9/6/11 1410	10/12/11 1401	11/2/11 1331	12/7/11 1435	1/3/2012 1333	2/8/12 1251
Flow (cfs)	00061	131	70	48	64	55	65	72	72	63	52	54	69
E. coli(org/100mL)	31699	32	37	220	89	41	110	12	110	43	120	25	49
Suspended Solids(mg/L)	00530	5.5	7.3	7.7	6.9	8	7.1	6.7	9.5	4.9	1.4	1.8	5.6
Turbidity(NTU)	82079	4.7	4.7	5.4	5.9	3.7	4.4	5.1	6.7	4	3.1	2.6	3.2
pH	00400	8.20	8.20	8.20	8.10	8.2	8.2	8	8.1	8.1	8	8.2	8
Temperature(C)	00010	12.9	16.4	26.2	26.6	29.9	29.5	24.1	21.2	18.6	8.8	9.6	11.3
Dissolved Oxygen(mg/L)	00300	10.2	10.1	8.2	6.8	8	8.1	9	9.3	9.9	12.1	11.6	11.4
Conductivity(umhos/cm)	00094	416	428	422	408	436	423	425	439	442	425	453	445
Total Phosphorus(mg/L)	00665	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.02	0.02	<0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.14	0.11	0.1	0.1	0.08	0.07	0.08	0.18	<0.05	0.23		
Chloride(mg/L)	00940	17.8	17.5	17.6	17.7	17.2	16.2	17.7	14	19.4	16.1	20.1	18.3
Sulfate(mg/L)	00945	25.1	24.1	24.3	23.5	23.7	21.2	22.6	19.8	24.3	24.4	29.0	26.6
Total Hardness(mg/L)	00900	195	183	193	187	156	190	196	199	191	189	193	206
Ammonia-N(mg/L)	00610		0.14		0.13		0.22	<0.1		0.15		0.24	
Chlorophyll a(mg/m^3)	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0
Pheophytin (mg/m3)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625		0.26		0.37		0.33	0.26	0.27	0.25	0.27	<0.20	0.20

		Date and 24 hour time											
Parameter	Parameter Code	3/5/12 1335	4/9/12 932	5/1/12 1322	6/13/12 1335	7/9/12 1452	8/13/12 1020	9/4/12 1437	10/16/12 1338	11/7/12 1448	12/12/12 1221	1/8/13 1420	2/5/13 1304
Flow (cfs)	00061	79	93	64	90	56	51	64	62	55	54	64	58
E. coli(org/100mL)	31699	23	100	55	100	56	94	27	120	58	99	91	150
Suspended Solids(mg/L)	00530	8	23.6	10.5	8.8	10.2	13.8	8.6	6.9	2.3	2.5	4.6	5.8
Turbidity(NTU)	82079	7	15.9	7.7	5.6	5.7	7.7	9.9	5	2.7	3.1	4.6	6.8
pH	00400	8.1	7.8	8.1	8.2	8	7.8	8.1	7.9	8	8.2	8.2	8.1
Temperature(C)	00010	16.4	19.8	24.1	26.5	30.4	27.2	28.3	20.1	20.2	10.2	11.1	14.8
Dissolved Oxygen(mg/L)	00300	10.8	8.1	8.2	8.6	8	6.3	8.1	9.3	10.2	10.6	10.1	9.8
Conductivity(umhos/cm)	00094	439	445	441	450	430	425	434	428	425	448	413	429
Total Phosphorus(mg/L)	00665	0.02	0.02	0.02	0.02	0.02	0.02	0.02	<0.02	<0.02	<0.02	0.02	0.02
Nitrate-N(mg/L)	00620	0.27	0.2	0.09	0.14	0.1	0.07	0.12	0.09	0.08	0.1	0.06	0.13
Chloride(mg/L)	00940	18.8	18.5	17.8	18.8	18.8	18.3	19.7	19.8	18.7	19.6	19.9	20.1
Sulfate(mg/L)	00945	28.3	27.2	25.8	26.1	24.7	23.1	23.9	25.3	22.9	23.7	26.5	27.8
Total Hardness(mg/L)	00900	225	215	200	201	207	198	191	198	194	203	200	196
Ammonia-N(mg/L)	00610	0.21		0.3		0.15		0.18		0.15		0.17	
Chlorophyll a(mg/m^3)	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.01	1.16	1.78
Pheophytin (mg/m3)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	0.44	0.37	0.27	0.24	0.28	0.37	0.31	0.31	0.24	<0.2	0.42	0.25

		Date and 24 hour time											
Parameter	Parameter Code	3/19/13 1314	4/10/13 1241	5/6/13 1146	6/3/13 1423	7/9/13 1419	8/5/013 1347	9/9/13 1020	10/8/13 1317	11/4/13 1546	12/2/13 1249	1/15/14 1246	2/4/14 1356
Flow (cfs)	00061	56	76	58	103	65	65	63	56	66	56	53	51
E. coli(org/100mL)	31699	25	290	77	31	120	58	120	61	240	170	23	36
Suspended Solids(mg/L)	00530	7.5	12.9	12.6	13.7	10.5	20.8	15	4.9	1.9	1.8	<1	1.60
Turbidity(NTU)	82079	7	9.7	9.76	8	10.8	12.8	15.7	5.9	1.2	1.7	1.3	2.0
pH	00400	7.9	8.3	8.2	8.2	8.1	8.3	8.1	8.4	8.1	8	7.9	8.1
Temperature(C)	00010	20.2	17.7	19	26.4	29.2	29.1	24.8	20.7	18.7	16.1	12.3	15.5
Dissolved Oxygen(mg/L)	00300	8.5	8.9	8.8	9.2	8.3	7.9	7	8.9	9.2	9.7	10.9	10.6
Conductivity(umhos/cm)	00094	0.02	414	408	419	421	431	421	432	517	443	454	447
Total Phosphorus(mg/L)	00665	0.02	0.02	0.02	0.02	0.02	0.03	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.11	0.07	0.11	0.07	0.06	0.05	0.14	0.09	0.84	0.2	0.09	0.09
Chloride(mg/L)	00940	20.3	20.9	20.7	19	21	20.6	20.3	19.4	15.4	18.3	19.5	19.6
Sulfate(mg/L)	00945	27.3	26.9	24.8	25.4	26.1	25.5	23.6	24.6	22.3	25.6	28.4	27.3
Total Hardness(mg/L)	00900	195	189	189	186	185	200	197	205	254	207	195	196
Ammonia-N(mg/L)	00610	0.13		0.37		0.19		0.17		<0.1		<0.10	
Chlorophyll a(mg/m^3)	32211	<1	<1	<1	2.55	<1	<1	<1	<1	<1	<1	<1.0	<1.0
Pheophytin (mg/m3)	32218	<1	<1	1.16	<1	<1	<1	<1	<1	<1	<1	<1.0	1.01
Total Kjeldahl Nitrogen (mg/L)	00625	0.39	0.37	0.32	0.3	0.37	0.27	0.24		1.35		0.47	

TABLE 2

TCEQ Segment 1812
TCEQ Station 12658
Station Number 2 Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
21.3 km downstream of reservoir release
Latitude 20/46/43 Longitude 98/09/37

		Date and 24 hour time											
Parameter	Parameter Code	3/11/14 1257	4/8/14 1258	5/5/14 1418	6/9/14 1340	7/1/14 1413	8/4/14 1352	9/2/14 1310	10/7/14 1311	11/11/14 1432	12/2/14 1231	1/6/15 1344	2/2/15 1404
Flow (cfs)	00061	51	52	55	59	58	59	59	66	68	54	58	89
E. coli(org/100mL)	31699	38	39	24	86	38	34	55	170	140	120	39	54
Suspended Solids(mg/L)	00530	2.67	2.90	2.4	3.40	3.60	5.50	6.50	6.20	3.00	3.30	2.40	4.70
Turbidity(NTU)	82079	3.0	4.0	3.6	2.8	2.1	3.7	5.5	4.4	2.7	3.1	2.1	3.4
pH	00400	8.1	8.2	8.4	7.7	8.0	8.0	8.1	8.2	8.4	7.7	7.7	8.4
Temperature(C)	00010	17.1	19.0	23.7	25.7	29.2	26.9	27.5	24.7	14.3	12.7	10.6	12.4
Dissolved Oxygen(mg/L)	00300	9.6	10.1	9.3	7.8	8.4	8.6	7.6	8.5	10.3	10.1	11.2	11.4
Conductivity(umhos/cm)	00094	434	435	414	435	418	415	395	427	405	436	427	449
Total Phosphorus(mg/L)	00665	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.09	0.08	0.05	0.15	0.08	0.08	0.08	<0.05	0.08	0.11	0.10	0.23
Chloride(mg/L)	00940	20.9	20.0	19.5	18.9	19.9	20.0	20.2	19.8	20.0	19.6	21.5	19.5
Sulfate(mg/L)	00945	28.1	26.8	25.1	25.5	26.4	24.0	23.8	23.2	23.4	24.4	28.2	26.6
Total Hardness(mg/L)	00900	190	191	185	205	189	187	357	184	189	202	257	221
Ammonia-N(mg/L)	00610	0.28		0.36		0.26		0.28		0.32		0.23	
Chlorophyll a(mg/m^3)	32211	---	<1.0	1.90	<1.0	<1.0	<1.00	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0
Pheophytin (mg/m3)	32218	---	<1.0	<1.0	<1.0	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	<0.2		0.27		0.27		0.34		0.20		0.20	

		Date and 24 hour time											
Parameter	Parameter Code	3/9/15 1352	4/6/15 1335	5/6/15 1351	6/8/15 1437	7/6/15 1339	8/4/15 1414	9/1/15 1232	10/19/15 1414	11/11/15 1245	12/1/15 1207	1/4/16 1337	2/10/16 1353
Flow (cfs)	00061	79	76	94	5540	392	273	208	61	1060	572	324	35
E. coli(org/100mL)	31699	380	56	61	24	49	46	75	60	120	200	99	36
Suspended Solids(mg/L)	00530	3.90	2.20	6.80	14.5	2.80	2.30	4.00	1.90	4.30	4.80	5.00	3
Turbidity(NTU)	82079	4.4	3.6	6.3	16.3	2.1	2.3	1.9	1.8	5.8	4.8	5.2	3.9
pH	00400	7.9	8.2	7.8	7.7	8.1	8.0	7.9	8.0	8.0	8.1	8.5	8.1
Temperature(C)	00010	12.3	19.0	23.1	17.6	24.0	26.2	25.7	21.2	22.3	16.9	14.1	15.2
Dissolved Oxygen(mg/L)	00300	10.5	10.1	9.7	11.6	9.9	8.4	8.3	9.6	8.2	9.5	10.8	10.6
Conductivity(umhos/cm)	00094	410	446	457	373	385	421	441	451	402	412	451	436
Total Phosphorus(mg/L)	00665	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.12	0.10	0.14	0.23	0.36	0.19	0.20	0.41	0.21	0.31	0.31	0.18
Chloride(mg/L)	00940	18.9	23.1	19.4	16.0	11.7	13.0	13.6	14.8	14.8	15.3	16.2	18.1
Sulfate(mg/L)	00945	25.4	30.1	25.2	18.5	16.3	14.6	14.7	14.3	16.8	18.2	20.0	22.6
Total Hardness(mg/L)	00900	118	206	252	168	197	210	217	215	185	194	204	203
Ammonia-N(mg/L)	00610	<0.10		<0.10		<0.10		0.12		0.11		<0.10	
Chlorophyll a(mg/m^3)	32211	<1.0	<1.0	<1.0	1.19	<1.00	<1.00	<1.00	<1.00	<1.00	1.93	1.16	<1.00
Pheophytin (mg/m3)	32218	<1.0	<1.0	<1.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	<0.20		<0.20		0.34		0.47		0.33		0.28	

		Date and 24 hour time											
Parameter	Parameter Code	3/7/16 1217	4/5/16 1338	5/3/16 1447	6/7/16 1218	7/11/16 1403	8/2/16 1446	9/19/16 1202	10/10/16 828	11/16/16 1348	12/14/16 1222	1/9/17 1403	2/28/17 1246
Flow (cfs)	00061	161	281	995	4770	932	301	210	231	208	337	307	1050
E. coli(org/100mL)	31699	99	45	63	20	84	44	99	96	83	93	43	150
Suspended Solids(mg/L)	00530	3.50	4.90	2.20	1.60	2.00	0.50	1.40	1.40	2.90	4.30	3.00	7.40
Turbidity(NTU)	82079	4.6	6.2	5.3	9.76	2.8	1.5	1.6	2.0	2.9	4.5	3.5	5.6
pH	00400	8	8.2	8.2	7.8	7.8	7.7	7.8	7.8	8.0	7.9	7.8	8.0
Temperature(C)	00010	17.5	18.5	18.1	21.6	25.4	27.4	26.4	20.2	22.2	16.2	14.0	16.1
Dissolved Oxygen(mg/L)	00300	9.7	10.3	10.5	8.4	8.6	8.4	7.9	8.2	10.1	10.1	10.5	10.3
Conductivity(umhos/cm)	00094	433	438	429	407	452	475	494	476	447	439	438	432
Total Phosphorus(mg/L)	00665	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.32	0.35	0.35	0.33	0.48	0.27	0.26	0.24	0.27	0.19	0.19	0.23
Chloride(mg/L)	00940	17.1	16.5	16.6	14.3	12.3	12.7	14	14.9	16.0	17.6	19.1	16.9
Sulfate(mg/L)	00945	21.1	20.2	19.8	17.1	15.5	15.2	16.4	16.8	19.4	22.8	23.9	20.8
Total Hardness(mg/L)	00900	199	200	198	193	212	234	235	235	209	210	205	245
Ammonia-N(mg/L)	00610	<0.10		<0.10		<0.10		<0.10		<0.10		<0.10	
Chlorophyll a(mg/m^3)	32211	<1.00	<1.00	<1.00	1.10	<1.00	<1.00	<1.00	<1.00	1.45	<1.00	<1.00	1.60
Pheophytin (mg/m3)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.47		0.33		0.22		0.46		0.34		0.52	

TABLE 2

TCEQ Segment	1812
TCEQ Station	12658
Station Number 2	Guadalupe River at River Rd. 2nd Crossing, upstream of New Braunfels
	21.3 km downstream of reservoir release
Latitude 20/46/43	Longitude 98/09/37

		Date and 24 hour time											
	Parameter	3/14/17	4/17/17	5/10/17	6/7/17	7/17/17	8/16/17	9/14/17	10/3/17	11/1/17	12/4/17	1/17/18	2/20/18
Parameter	Code	1237	1428	1322	1312	1502	1410	1220	1348	1338	1222	1501	1531
Flow (cfs)	00061	412	448	195	167	103	110	50	96	52	73	87	84
E. coli(org/100mL)	31699	50	97	86	52	18	49	86	1200	140	99	17	100
Suspended Solids(mg/L)	00530	2.50	4.80	7.10	2.00	3.10	4.40	2.70	2.80	1.30	0.80	0.60	1.80
Turbidity(NTU)	82079	3.4	3.6	2.6	2.7	6.1	4.0	1.8	2.3	1.0	1.6	1.1	2.1
pH	00400	7.9	7.9	7.9	7.9	8.1	8.6	8.0	8.3	8.2	8.2	8.4	8.3
Temperature(C)	00010	15.1	17.8	19.4	23.8	27.9	27.8	24.6	23.8	17.5	19.9	7.5	18.5
Dissolved Oxygen(mg/L)	00300	10.8	10.1	9.4	9.3	9.1	8.2	9.7	9.1	10.2	9.5	13.3	9.8
Conductivity(umhos/cm)	00094	455	442	441	439	442	431	455	445	441	442	423	416
Total Phosphorus(mg/L)	00665	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.23	0.24	0.28	0.22	0.11	0.05	0.15	0.14	0.13	0.15	0.12	0.11
Chloride(mg/L)	00940	16.5	16.3	17.2	17.9	17.4	17.1	17.0	16.6	16.8	17.2	19.7	19.8
Sulfate(mg/L)	00945	21.1	23.0	21.3	23.4	19.7	18.8	21.5	19.5	18.8	18.6	25.8	25.5
Total Hardness(mg/L)	00900	204	202	204	201	196	197	215	208	205	207	195	193
Ammonia-N(mg/L)	00610	<0.10		<0.10		<0.10		<0.10		0.12		<0.10	
Chlorophyll a(mg/m^3)	32211	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0
Pheophytin (mg/m3)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.182		0.27		0.44		0.20		0.26		<0.20	

		Date and 24 hour time											
	Parameter	3/8/18	4/9/18	5/3/18	6/7/18	7/9/18	8/1/18	9/6/18	10/8/18	11/5/18	12/4/18	1/2/19	2/4/19
Parameter	Code	1212	1330	1523	1252	1249	1325	1554	1235	1503	1314	1222	1344
Flow (cfs)	00061	84	66	61	49	65	56	67	95	822	408	731	664
E. coli(org/100mL)	31699	36	29	0.01	30	550	16	410	72	100	65	220	120
Suspended Solids(mg/L)	00530	1.60	1.50	1.40	3.30	3.70	3.00	1.70	604.00	6.30	3.50	3.60	2.20
Turbidity(NTU)	82079	2.2	1.5	2	3.4	2.9	2.9	1.7	1.5	7.6	3.8	3.6	2.4
pH	00400	8.3	8.1	8.2	7.9	8.2	8.2	8.4	8.1	8.1	8.2	8.1	8
Temperature(C)	00010	14	15.5	23.8	28.7	26.5	28.5	27.1	23.3	17.6	14.5	12.1	14
Dissolved Oxygen(mg/L)	00300	11.5	11	9.7	7.4	8.1	8.5	10.2	9	10.1	10.8	10.6	10.2
Conductivity(umhos/cm)	00094	415	431	422	415	400	397	389	418	365	440	423	421
Total Phosphorus(mg/L)	00665	<0.02	<0.02	<0.02	<.02	<0.20	<0.02	<0.02	<0.02	0.02	0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.08	0.11	0.06	0.08	0.11	0.1	0.08	1.86	0.41	0.4	0.35	0.34
Chloride(mg/L)	00940	19.4	18.7	20.1	22.3	1.45	20.4	19.5	19.2	13.6	18.4	17.7	18.3
Sulfate(mg/L)	00945	24.2	25.0	26.1	23.9	23	23.3	22.7	22.9	16	22.2	21.6	21.6
Total Hardness(mg/L)	00900	193	200	193	185	180	172	182	198	177	214	207	200
Ammonia-N(mg/L)	00610	<0.10		<0.10		0.1		<0.10		<0.10		<0.10	
Chlorophyll a(mg/m^3)	32211	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Pheophytin (mg/m3)	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.29		<0.20		0.35		<0.20		0.24		<0.20	

		Date and 24 hour time											
	Parameter	3/12/19	4/22/19	4/22/19	5/22/19	6/5/19	7/1/19	8/26/19	9/9/19	10/2/19	11/4/19	12/16/19	1/9/20
Parameter	Code	1222	925	1447	1328	1310	1425	1545	1252	1415	1445	1305	1339
Flow (cfs)	00061	346		218	1630	353	360	145	145	112	70	12.7	85
E. coli(org/100mL)	31699	74	44		24	130	46	29	44	50	56	120	64
Suspended Solids(mg/L)	00530	1.70	1.10		2.30	1.40	6.60	3.40	3.30	2.80	1.60	1.10	2.50
Turbidity(NTU)	82079	2.5	1.3		1.9	1.6	1.0	2.9	2.2	2.5	1.5	1.8	1.8
pH	00400	7.7	8.4		8.3	8.1	7.8	8.0	8.2	8	8.3	8.1	8.2
Temperature(C)	00010	14.2	19.6		19	20.3	22.2	28.4	25.6	27	18.2	13.9	15.1
Dissolved Oxygen(mg/L)	00300	10.4	9.9		10.1	10.3	8.8	9.1	8.7	9	9	10.4	10
Conductivity(umhos/cm)	00094	432	422		432	431	436	428	430	420	445	413	420
Total Phosphorus(mg/L)	00665	<0.02	<0.02		0.027	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.36	0.281		0.37	0.331	0.279	0.17	0.156	0.124	0.152	0.08	0.08
Chloride(mg/L)	00940	18.4		18.8	19.5	19	19.1	19.2	118.6	18.8	18.4	20.1	20
Sulfate(mg/L)	00945	22.2		23.4	23.1	23.6	22.1	23.6	21.8	21.6	23.9	27	25.7
Total Hardness(mg/L)	00900	209		206	208	208	210	205	208	207	215	200	199
Ammonia-N(mg/L)	00610	<0.10			<0.10		<0.10		<0.10		<0.10		<0.10
Chlorophyll a(mg/m^3)	32211	<1.00		<1.00	<1.00	1.78	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Pheophytin (mg/m3)	32218	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.3			<0.20		0.26		0.34		0.21		<0.20