

TABLE 9

TNRCC Segment 1811
 TNRCC Station 12653
 Station Number 9 Comal River at Hinman Island
 Latitude 29/42/29 Longitude 98/07/26

Parameter	Date and 24 hour time												
	Parameter Code	11/30/94	12/14/94	1/17/95	2/8/95	3/15/95	4/27/95	5/31/95	6/13/95	7/18/95	8/22/95	9/26/95	10/16/95
Flow (cfs)		919	1004	1020	1006	1000	846	1013	1026	945	1019	1123	1022
Fecal Coliform(org/100mL)	31616	108	64	88	44	78	66	233	436	132	110	88	66
Suspended Solids(mg/L)	530	1.6	3.6	4.3	4	1.2	2	10.2	1.6	2.3	1	1.3	1.5
Turbidity(NTU)	82079	0.9	1.6	2.3	2.5	1.5	1.2	7	0.5	0.4	0.5	0.36	0.4
pH	400	7.42	7.55	7.38	7.47	7.78	7.57	7.48	7.85	7.66	7.76	7.72	7.92
Temperature(C)	10	21.66	22.5	22.47	21.58	22.82	22.98	23.21	23.32	23.92	24	23.45	22.57
Dissolved Oxygen(mg/L)	300	9.42	8.79	8.66	9.62	8.95	9.12	9.69	9.61	9.32	9.84	9.45	9.05
Conductivity(umhos/cm)	94	560	558	563	631	560	590	520	570	550	540	556	555
Total Phosphorus(mg/L)	665	0.04	0.04	0.09	0.03	0.08	0.08	0.09	0.6	0.1	0.14	0.05	0.09
Nitrate-N(mg/L as N)	620	1.52	1.14	1.73	2.7	1.79	1.5	1.9	1.7	2	1.6	2.05	1.7
Water Quality Index		88.81	91.44	89.69		89.81	91.41	67.18	0	84.76	87.63	87.84	90.24

Parameter	Date and 24 hour time												
	Parameter Code	11/28/95	12/19/95	1/9/96	2/13/96	3/21/96	4/24/96	5/29/96	6/26/96	7/23/96	8/20/96	9/24/96	10/14/96
Flow (cfs)		1001	1005	1017	1131	1029	1140	1046	1457	1431	1501	1359	1036
Fecal Coliform(org/100mL)	31616	80	106	80	194	14	40	331	810	128	58	62	66
Suspended Solids(mg/L)	530	1	1.5	2.2	1.2	1.3	1.4	2.4	2	12.1	5.7	1.8	2.6
Turbidity(NTU)	82079	0.45	0.45	0.58	1.7	0.4	0.44	0.85	1.7	5	3.3	0.55	0.81
pH	400	8.07	8.28	8.17	8.15	8.26	7.91	7.84	7.66	7.73	8.24	7.89	7.47
Temperature(C)	10	21.15	21.16	21.05	22.1	21.74	22.92	24.43	25.44	26.11	26.13	24.14	23.01
Dissolved Oxygen(mg/L)	300	9.17	9.45	9.65	10.33	10.27	9.81	8.64	10.3	9.44	10.43	10.2	8.46
Conductivity(umhos/cm)	94	543	547	530	525	522	609	585	578	443	571	563	550
Total Phosphorus(mg/L)	665	0.05	0.11	0.02	0.1	0.1	0.06	0.06	0.04	0.08	0.07	0.06	0.08
Nitrate-N(mg/L as N)	620	1.8	1.65	1.87	1.8	1.64	1.62	1.72	1.67	2.14	1.4	1.72	1.68
Chloride(mg/L)	940												28.6
Sulfate(mg/L)	945												27
Total Hardness(mg/L)	900												241
Ammonia-N(mg/L)	610												0.05
E. coli(org/100mL)	31648												5
Chlorophyll a(mg/m ³)	32211												1.5
Water Quality Index		88.8	85.16	89.17	74.08	92.01	92.29	37.76	0	84.17	89.17	91.57	91.06

Parameter	Date and 24 hour time												
	Parameter Code	11/4/96	12/9/96	1/20/97	2/17/97	3/18/97	4/21/97	5/21/97	6/16/97	7/15/97	8/18/97	9/29/97	10/20/97
Flow (cfs)		165		196	136	230	254	256	307	484	280	674	280
Fecal Coliform(org/100mL)	31616	154	81	46	58	96	40	24	48	60	64	72	93
Suspended Solids(mg/L)	530	<1	<1	1.8	2	2.1	1.9	1.3	2.6	2	1.2	1	<1
Turbidity(NTU)	82079	0.7	0.49	1.4	14	1	1.1	1.1	1.6	1.4	1.4	1.1	1.2
pH	400	7.65	7.77	8.1	8.2	8.21	7.53	7.19	7.16	7.23	7.8	7.58	7.55
Temperature(C)	10	22.33	21.56	21.88	21.24	23.18	23.14	24.16	23.83	23.97	23.2	23.56	23.6
Dissolved Oxygen(mg/L)	300	8.87	9.55	8.88	10.27	9.65	8.53	8.89	8.53	8.92	9.05	9.29	8.78
Conductivity(umhos/cm)	94	545	555	561	547	541	551	554	558	552	520	548	569
Total Phosphorus(mg/L)	665	0.02	0.06	0.06	0.08	0.01	<.05	<.05	0.04	0.41	0.1	0.05	<.05
Nitrate-N(mg/L as N)	620	1.78	1.61	1.66	1.81	1.93	1.9	1.6	1.6	1.4	1.79	1.8	1.69
Chloride(mg/L)	940	16.4	14.4	23.5	29.6	35.5	92.2	17.7	15.7	14.1	24.6	18.4	18.4
Sulfate(mg/L)	945	25.6	24	23.3	20.1	19.6	25.3	23.1	25.1	24.1	23.7	23.8	23.8
Total Hardness(mg/L)	900	272		256	300	231	264	250	298	255	157	312	291
Ammonia-N(mg/L)	610			0.11			0.06		0.05		0.04		0.05
E. coli(org/100mL)	31648	6		2	54	80	40	22	44	54	44	20	74
Chlorophyll a(mg/m ³)	32211	1.48		<1.0	<1.0	<1	<1	<1.0	<1	<1.0	2.2	<1.0	<1.0
Water Quality Index		81.66	90.48	90.32	90.68	86.92	92.37	93.69	92.47	90.67	90.89	91.26	88.99

TABLE 9

TNRCC Segment 1811
 TNRCC Station 12653
 Station Number 9 Comal River at Hinman Island
 Latitude 29/42/29 Longitude 98/07/26

Parameter	Date and 24 hour time												
	Parameter Code	11/27/00	12/14/00	1/3/01	2/21/01	3/15/01	4/9/01	5/1/01	6/19/01	7/9/01	8/15/01	9/12/01	10/9/01
Flow (cfs)		348	361	364	351	371	342	359		315	249	328	335
Fecal Coliform(org/100mL)	31616	46	98	80	48	56	4	6	436	28	52	42	500
Suspended Solids(mg/L)	530	1.2	1.8	1.2	<1	2.9	3.1	1.3	1.2	1.8	<1.0	2	1.7
Turbidity(NTU)	82079	1	1.5	1.3	0.6	2.5	1.8	1	0.8	1.3	0.6	1	1.3
pH	400	7.7	7.83	7.84	8	7.96	7.62	8.08	7.8	7.9	7.97	8.04	7.83
Temperature(C)	10	23.4	22.56	22.13	23.39	22.64	24.83	23.97	24.57	25.36	24.14	24.42	24.02
Dissolved Oxygen(mg/L)	300	11.68	10.46	10.52	9.86	10.59	10.63	10.69	10.53	10.82	11.15	10.73	10.85
Conductivity(umhos/cm)	94	551	585	588	595	577	579	576	588	581	555	572	549
Total Phosphorus(mg/L)	665	0.05	0.03	0.03	0.02	<0.01	0.02	0.03	0.02	<0.01	0.08	<0.01	<0.01
Nitrate-N(mg/L as N)	620	1.7	1.72	1.52	1.92	1.52	1.56	1.79	1.59	2.02	1.06	1.84	1.7
Chloride(mg/L)	940	18	16	18.4	16.3	19	15.4	15.8	20	19.7	18.4	17	19.4
Sulfate(mg/L)	945	21.4	22.4	21	23.9	27.3	20.4	22.6	22.3	22.1	23.6	25.5	
Total Hardness(mg/L)	900	274	255	275	276	259	366	276	255	250	273	265	253
Ammonia-N(mg/L)	610		0.06		<0.02		<0.02		<0.02		0.03		0.03
E. coli(org/100mL)	31648	34	75	68	48	34	4	8	14	26	6	8	476
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	<1	<1	<1.0	<1	<1.0	<1.0	<1.0	<1	<1
Water Quality Index													

Parameter	Date and 24 hour time												
	Parameter Code	11/19/01	12/19/01	1/21/02	2/14/02	3/14/02	4/22/02	5/14/02	6/10/02	7/23/02	8/8/02	9/17/02	10/15/02
Flow (cfs)		379	392	376	408	390	359	323	289	394	383	347	389
Fecal Coliform(org/100mL)	31616	510	**										
Suspended Solids(mg/L)	530	1.5	2.5	2.5	<1	1.5	<1	1	2.1	2.8	2.2	<1	<1
Turbidity(NTU)	82079	1	1.5	0.9	0.8	1	0.7	0.65	1.3	2.5	2.4	1.2	2.5
pH	400	7.39	7.62	7.91	8	7.73	7.73	7.56	7.78	7.54	7.42	7.49	7.96
Temperature(C)	10	23.22	23.11	23.16	23.69	23.29	24.61	23.53	24.86	25.6	25.2	24.1	23.6
Dissolved Oxygen(mg/L)	300	9.69	10.11	10.75	11.3	10	11.3	9.69	11.84	10.85	11.39	10.26	11.03
Conductivity(umhos/cm)	94	574	563	558	567	581	569	600	574	585	571	578	586
Total Phosphorus(mg/L)	665	<0.01	0.14	0.06	0.04	<0.01	0.02	0.02	<0.01	0.05	0.3	<0.05	<0.05
Nitrate-N(mg/L as N)	620	1.36	1.3	1.8	1.5	2	1.8	1.5	1.94	1.99	0.18	0.82	0.74
Chloride(mg/L)	940	18.2	17.8	21.9	15.2	16.7	16.9	16.4	16.8	9.2	16.4	16.9	15.2
Sulfate(mg/L)	945	51.6	26.4	24	16.2	24.5	23.9	23.6	23.7	14.2	24.6	25	23.3
Total Hardness(mg/L)	900	296	273	272	268	319	224	272	287	287	266	269	303
Ammonia-N(mg/L)	610		<0.02		<0.02		0.03		<0.02		0.05		<0.02
E. coli(org/100mL)	31648	400	28	20	687	46	16	21	51	21	206	43	61
Chlorophyll a (mg/m ³)	32211	<1	<1	1.8	<1	1.5	1	<1	<1	<1	1.5	<1	<1
Pheophytin (mg/m ³)	32218		3.2	1.1	1.8	4.1	1.7	1.2	2.1	2.9	3	<1	<1

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

Parameter	Date and 24 hour time												
	Parameter Code	11/12/02	12/10/02	1/9/03	2/26/03	3/21/03	4/14/03	5/15/03	6/25/03	7/24/03	8/18/03	9/10/03	10/02/03
Flow (cfs)				441	442	420	411	384	370	374	364	362	379
E. coli(org/100mL)	31648	27	547	18	35	28	52	13	27	87	8	61	14
Suspended Solids(mg/L)	530	1.9	4	1.9	4.9	3.4	1.7	1.1	<1	3.6	1.8	<1	<1
Turbidity(NTU)	82079	1.4	2.5	1	<1	1.5	1.1	<1	1	0.6	0.5	0.17	1.01
pH	400	7.61	7.77	7.75	7.59	7.65	7.5	7.73	7.76	7.48	8.08	7.86	8.07
Temperature(C)	10	23.6	21.9	23.4	21.8	24.5	24.8	24.7	25.1	19.9	25.2	24.9	24.1
Dissolved Oxygen(mg/L)	300	10.2	10.1	12.1	9.83	11	10.9	8.88	10.3	9.62	9.42	9.17	8.34
Conductivity(umhos/cm)	94	596	564	581	565	573	589	577	585	684	578	561	588
Total Phosphorus(mg/L)	665	0.06	0.08	0.06	<0.05	<0.05	<0.05	<0.05	<0.02	0.07	0.05	0.07	<0.02
Nitrate-N(mg/L as N)	620	0.79	1.2	0.69	1.02	1.08	1.14	0.8	<0.02	0.44	0.64	0.1	0.83
Chloride(mg/L)	940	16.8	16.9	16.6	17.8	17.1	17.1	17	17.2	17.2	16.4	16.6	16.2
Sulfate(mg/L)	945	26	26.6	25.5	27	26.3	26.2	25.7	26.1	26.6	24.3	24.8	24.4
Total Hardness(mg/L)	900	291	287	265	267	277	279	271	292	273	272	263	267
Ammonia-N(mg/L)	610		<0.02		<0.02		0.03		0.02		<0.02		0.03
Chlorophyll a (mg/m ³)	32211	<1	<1	<1	<1	<1	<1	1.07	1.2	<1	<1	<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	1.16	2.23	1.61	<1	<1	1.9	1.1	1	<1

TABLE 9

TCEQ Segment 1811
 TCEQ Station 12653
 Station Number 9 Comal River at Hinman Island
 Latitude 29/42/29 Longitude 98/07/26

Parameter	Parameter Code	Date and 24 hour time											
		11/2/06	12/4/06	1/10/07	2/7/07	3/5/07	4/2/07	5/7/07	6/11/07	7/10/07	8/8/07	9/17/07	10/10/07
Flow (cfs)	00061	258	261	269	289	257	314	323	304	358	443	433	427
E. coli(org/100mL)	31699	170	74	55	62	28	160	84	30	82	140	60	140
Suspended Solids(mg/L)	00530	2	1.3	15	2	18.3	7	2.7	1.7	3.7	1.7	<1	2
Turbidity(NTU)	82079	1.5	0.6	1.1	1	0.9	4.1	2.2	1.45	2	1.6	1.05	1.1
pH	00400	7.59	7.67	7.66	7.38	7.75	7.53	7.54	7.42	7.42	7.42	7.44	7.42
Temperature(C)	00010	22.3	22.8	23.2	22.7	24.1	23.1	24.2	25.2	23.7	23.7	24.3	23.4
Dissolved Oxygen(mg/L)	00300	9.23	10.3	9.81	9.15	11	8.06	12	11.4	9.88	9.71	10.2	10.7
Conductivity(umhos/cm)	00094	586	551	598	573	591	558	597	588	572	581	598	574
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 as N)	00620	2.02	1.87	1.55	1.76	1.72	1.64	1.72	1.71	1.88	0.5	1.01	1.93
Chloride(mg/L)	00940	17.1	17.4	17.3	16.5	15	16	12.4	17.7	18.4	18.6	19	18.4
Sulfate(mg/L)	00945	23.9	24.9	25.3	25.5	24.5	26	25.5	26.8	27.3	27.3	27.7	27
Total Hardness(mg/L)	00900	270	267	278	268	302	281	286	274	292	270	287	270
Ammonia-N(mg/L)	00610		0.04		<0.02				0.03		0.03		<0.10
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	<1	<1	<1	1.1	<1	<1	<1	<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen(mg/L)	00625												<0.5

Parameter	Parameter Code	Date and 24 hour time											
		11/12/07	12/10/07	1/9/08	2/12/08	3/10/08	4/8/08	5/6/08	6/10/08	7/2/08	8/5/08	9/8/08	10/6/08
Flow (cfs)	00061	420	416	412	393	385	365	352	294	263	291	301	290
E. coli(org/100mL)	31699	170	140	79	57	580	99	84	250	280	170	870	130
Suspended Solids(mg/L)	00530	1.3	1.3	1.3	1.7	4	1	<1	2.3	5.3	1.3	1.3	<1
Turbidity(NTU)	82079	73	0.5	0.33	0.55	3.35	0.77	0.7	1.5	1.4		<0.5	0.32
pH	00400	7.44	7.66	7.48	7.41	7.48	7.46	7.4	7.5	7.5	7.4	7.5	7.5
Temperature(C)	00010	23.1	22.4	22.4	23.1	22.5	23.4	23.4	25	24.5	23.8	24.9	23.5
Dissolved Oxygen(mg/L)	00300	9.71	11	9.51	8.97	10.05	8.72	8.8	13.2	10.2	8.9	9.7	
Conductivity(umhos/cm)	00094	562	598	591	552	569	568	568	585	547	574	573	573
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 as N)	00620	1.99	1.91	2.01	1.96	1.87	1.77	1.72	1.66	1.68	1.79	1.64	1.84
Chloride(mg/L)	00940	19.3	16	15.2	16.9	17.8	16.8	18	16.7	16.9	18.6	17.2	17.9
Sulfate(mg/L)	00945	28.6	23.5	22.9	27.2	26.4	26.7	27.4	25.5	25.7	27.3	23.7	26.7
Total Hardness(mg/L)	00900	272	295	273	298	273	287	295	274	286	275	261	276
Ammonia-N(mg/L)	00610		<0.1		<0.1		<0.1		<0.1		0.12		<0.1
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	<1	<1	<1.0	<1	<1	<1	<1	<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	<1	<1	<1.0	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen(mg/L)	00625		<0.5		<0.5		<0.05		0.24		<0.2		<0.2

Parameter	Parameter Code	Date and 24 hour time											
		11/11/08	12/3/08	1/5/09	2/2/09	3/9/09	4/8/09	5/4/09	6/1/09	7/7/09	8/05/09	9/08/09	10/07/09
Flow (cfs)	00061	286	288	291	289	264	256	250	220	165	163	173	286
E. coli(org/100mL)	31699	110	100	68	180	63	110	200	61	1300*	230	130	740
Suspended Solids(mg/L)	00530	<1	1.3	1.7	2	2.7	2	1.7	2	2	3.3	1.3	20
Turbidity(NTU)	82079	0.29	0.56	1.03	0.7	0.06	0.96	<0.5	0.58	1.9	1.1	0.72	17.8
pH	00400	7.4	7.4	7.4	7.6	7.6	7.6	7.5	7.6	7.5	7.5	7.7	7.5
Temperature(C)	00010	23.4	23.7	22	21.7	23.7	22.5	23.1	24.8	23.8	23.8	24.4	23.8
Dissolved Oxygen(mg/L)	00300	9	9.5	10.6	9.6	10.8	9.4	9.7	10.7	10	9.3	9.9	7.6
Conductivity(umhos/cm)	00094	573	573	582	587	569	570	569	569	564	577	571	513
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 as N)	00620	1.71	1.81	1.9	1.68	1.57	1.68	1.65	1.8	1.87	1.53	1.65	1.41
Chloride(mg/L)	00940	18.5	16.3	20.9	17.9	17.8	18.7	18.6	16.5	18	16.7	16.1	12.1
Sulfate(mg/L)	00945	27.8	24	28.9	25.8	25.7	26.7	26.9	24.7	24	26.2	24.3	19.7
Total Hardness(mg/L)	00900	281	280	290	286	290	288	281	277	288	279	277	252
Ammonia-N(mg/L)	00610		0.15		0.11		<0.1		0.2		0.12		0.1
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen(mg/L)	00625		<0.2		<0.2		<0.2		0.2		<0.2		0.29

* follow-up sampling for E. coli was conducted: 7/13/09 - 150 org/100mL; 7/15/09 - 150 org/100mL; 7/20/09 - 260 org/100mL; 7/27/09 - 200 org/100mL

TABLE 9

TCEQ Segment 1811
TCEQ Station 12653
Station Number 9 Comal River at Hinman Island
Latitude 29/42/29 Longitude 98/07/26

Parameter	Parameter Code	Date and 24 hour time											
		11/09/09	12/02/09	01/11/10	2/10/10	3/2/10	4/6/10	5/3/10	6/8/10	07/07/10	08/02/10	9/13/10	10/5/10
Flow (cfs)	00061	294	320	309	358	371	350	347	345	350	336	348	347
E. coli(org/100mL)	31699	210	1990	170	130	130	47	47	440	130	170	200	120
Suspended Solids(mg/L)	00530	1.7	3.3	1.3	1.3	1.7	2.3	3.3	2.3	6	2.3	3.7	1
Turbidity(NTU)	82079	1.4	3.3	0.5	7.6	0.8	2.1	1.5	1.7	3.4	1.7	3.1	0.9
pH	00400	7.5	7.6	7.5	1.2	7.5	7.5	7.5	7.2	7.6	7.4	7.5	7.5
Temperature(C)	00010	23.2	21.7	21.6	7.6	21.8	24.1	22.9	23.5	25.5	23.6	23.9	22.8
Dissolved Oxygen(mg/L)	00300	6.6	9	8.4	11.8	9.6	11.5	9.6	8.3	9.2	8.9	8.7	9.6
Conductivity(umhos/cm)	00094	567	567	570	578	586	581	579	570	569	566	558	575
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 as N)	00620	1.63	1.56	1.8	1.69	1.71	1.56	1.98	1.79	1.69	1.85	1.76	1.82
Chloride(mg/L)	00940	17.9	18.7	17.7	15.5	17.2	17.3	17.6	17.6	13.9	18.8	18.6	17.9
Sulfate(mg/L)	00945	25.3	32.6	28.3	22.5	24.6	27.1	25.9	26.2	21.3	26.9	27.3	24.1
Total Hardness(mg/L)	00900	281	283	282	278	288	290	260	286	273	272	272	272
Ammonia-N(mg/L)	00610		0.15		<0.1		<0.1		0.13		0.11		0.1
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1
Total Kjeldahl Nitrogen(mg/L)	00625		0.25		0.21		<0.2		0.31		0.38		<0.2

Parameter	Parameter Code	Date and 24 hour time											
		11/16/10	12/3/10	1/4/11	2/14/11	3/1/11	04/06/11	05/09/11	06/01/11	07/07/11	08/03/11	09/06/11	10/12/11
Flow (cfs)	00061	328	331	314	319	307	282	236	201	175	172	165	197
E. coli(org/100mL)	31699	130	210	130	40	53	51	130	66	44	170	110	400
Suspended Solids(mg/L)	00530	1.4	1.5	<1	<1	1.2	1.5	2	1.3	5.1	1.9	1	0.9
Turbidity(NTU)	82079	0.8	1.2	0.7	0.6	0.6	0.7	0.6	1.1	1.6	0.9	1.1	1
pH	00400	7.6	7.5	7.5	7.6	7.7	7.6	7.7	7.7	7.7	7.5	7.7	7.4
Temperature(C)	00010	23.4	22.5	22.7	23.6	23.8	24	24.9	25.1	25.4	23.5	24.8	23.3
Dissolved Oxygen(mg/L)	00300	9.7	9.3	9	10.3	10.2	10.4	9.6	10.8	9.2	8.5	9.8	8.3
Conductivity(umhos/cm)	00094	571	581	581	577	572	586	580	554	610	570	572	609
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	<0.02	<0.02
Nitrate-N(mg/L as N)	00620	1.87	1.9	1.86	1.9	1.85	1.79	1.88	1.84	1.68	1.99	1.63	1.96
Chloride(mg/L)	00940	17	15.2	17.4	17.3	18.2	18	17.7	18	17.6	16.7	18	15
Sulfate(mg/L)	00945	24.7	20.9	25.3	24.9	26.5	25.7	25.6	26.1	26	25	27	24.3
Total Hardness(mg/L)	00900	282	278	261	274	271	270	280	282	281	277	276	284
Ammonia-N(mg/L)	00610		0.12		0.1		<0.1		0.13		0.27	<0.10	
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	>1	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen(mg/L)	00625		<0.2		<0.2		<0.2		<0.2		0.23	0.23	<0.2

Parameter	Parameter Code	Date and 24 hour time											
		11/12/11	12/7/11	01/03/12	02/08/12	03/05/12	04/09/12	5/1/12	6/13/12	7/9/12	8/13/12	9/4/12	10/16/12
Flow (cfs)	00061	194	211	219	254	262	282	221	222	203	174	162	211
E. coli(org/100mL)	31699	330	290	120	120	59	93	160	160	2900	93	150	290
Suspended Solids(mg/L)	00530	1.4	1.6	1.1	2.9	1.6	1.4	4.9	2.3	3.9	1.1	0.8	1
Turbidity(NTU)	82079	0.6	1.1	0.8	1.6	0.8	0.8	1.5	1	2.3	1	0.8	0.8
pH	00400	7.4	7.6	7.7	7.6	7.7	7.6	7.4	7.6	7.9	7.5	7.4	7.7
Temperature(C)	00010	22.9	21.1	22.8	22.3	24	23.8	23.4	24.7	24	23.7	23	22.5
Dissolved Oxygen(mg/L)	00300	7.7	9.5	9.8	9.4	9.8	9.6	8.3	9.5	7.4	9.8	9.4	9.8
Conductivity(umhos/cm)	00094	604	598	622	590	583	601	594	600	544	581	590	567
Total Phosphorus(mg/L)	00665	<0.02	0.02	<0.02	0.02	0.02	<0.02	0.02	<0.02	0.03	<0.02	<0.02	<0.02
Nitrate-N(mg/L as N)	00620	<0.05	2.28	1.79	1.79	1.84	1.8	1.76	1.74	1.46	1.7	1.9	1.88
Chloride(mg/L)	00940	20.7	18	18.9	18	18.7	18.6	17.6	18.8	16.7	18.6	19.2	20.5
Sulfate(mg/L)	00945	31.7	28.8	29.2	27.8	28.6	28.8	27.6	29	27.1	29.7	30.7	33.6
Total Hardness(mg/L)	00900	280	274	290	280	280	276	284	268	259	272	276	280
Ammonia-N(mg/L)	00610	0.28		0.23		0.23		<0.1		0.15		0.17	
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen(mg/L)	00625	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.72	<0.2	<0.2	<0.2

TABLE 9

TCEQ Segment 1811
 TCEQ Station 12653
 Station Number 9 Comal River at Hinman Island
 Latitude 29/42/29 Longitude 98/07/26

Parameter	Parameter Code	Date and 24 hour time											
		11/7/12	12/12/12	01/08/13	02/05/13	03/19/13	04/10/13	05/06/13	6/3/13	7/9/13	8/5/13	9/9/13	10/8/13
Flow (cfs)	00061	200	207	213	222	202	198	199	213	174	148	115	140
E. coli(org/100mL)	31699	290	150	300	150	150	650	150	170	370	79	650	96
Suspended Solids(mg/L)	00530	0.6	1	0.7	0.9	0.9	1.1	1.1	2	1.3	1.3	0.9	2.4
Turbidity(NTU)	82079	7.8	0.6	1.6	0.8	0.6	0.81	0.7	1.2	0.9	0.8	0.8	1
pH	00400	0.5	7.8	7.6	7.6	7.5	7.7	7.8	7.6	7.5	7.5	7.9	7.9
Temperature(C)	00010	22.6	22.3	22.1	22.5	22.2	22.3	23.4	23.6	23.8	25.3	24.2	23.5
Dissolved Oxygen(mg/L)	00300	9.6	10.4	8.4	9	9.1	9.1	9.4	9.2	8.7	10.2	9.6	10.1
Conductivity(umhos/cm)	00094	584	593	581	590	587	578	565	578	584	586	583	579
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 as N)	00620	1.8	1.75	1.76	1.8	1.81	1.77	1.62	1.57	1.62	1.54	1.7	1.81
Chloride(mg/L)	00940	18.7	19.2	19	19.1	19.8	19.9	23	17.9	19.4	19.2	19.6	19.5
Sulfate(mg/L)	00945	30.1	30.9	31	30.3	31.7	31.3	29.9	28.6	31.2	31.6	33	33.9
Total Hardness(mg/L)	00900	273	280	269	277	276	274	277	266	272	273	272	276
Ammonia-N(mg/L)	00610	0.15		0.17		0.15		0.12		0.13		0.15	
Chlorophyll a(mg/m ³)	32211	<1	<1	<1	2.4	<1	<1	<1	<1	<1	<1	<1	<1
Pheophytin(mg/m ³)	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen(mg/L)	00625	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.84	<0.2	<0.2	

Parameter	Parameter Code	Date and 24 hour time											
		11/4/13	12/2/13	01/15/14	2/4/14	03/11/14	4/8/14	5/5/14	6/9/14	7/1/2014	8/4/14	8/30/14	8/31/14
Flow (cfs)	00061	171	179	171	171	154	147	123	147	135	105		
E. coli(org/100mL)	31699	130	110	110	230	34	110	140	130	160	290	490	480
Suspended Solids(mg/L)	00530	1.7	0.6	<1	1.1	0.889	0.80	<1	0.90	0.80	0.80		
Turbidity(NTU)	82079	1.6	0.5	0.7	0.8	0.7	0.59	0.85	0.9	0.6	0.8		
pH	00400	7.6	7.8	7.2	7.4	7.6	7.2	7.6	7.6	7.3	7.4		
Temperature(C)	00010	22.7	23.3	20.9	21.5	23.3	21.9	22.7	24.2	23.9	23.8		
Dissolved Oxygen(mg/L)	00300	9.1	10.2	8.8	8.8	10.5	8.8	9.2	9.5	9.3	8.6		
Conductivity(umhos/cm)	00094	569	589	620	621	612	611	590	588	589	602		
Total Phosphorus(mg/L)	00665	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		
Nitrate-N(mg/L as N)	00620	1.78	1.76	1.77	1.83	1.77	2.03	1.77	1.87	1.68	1.66		
Chloride(mg/L)	00940	19.2	19.4	19.0	20.1	22.2	20.2	19.5	20.6	20.4	19.8		
Sulfate(mg/L)	00945	33.3	33.9	33.5	33.8	36.3	33.6	33	34.0	34.0	33.3		
Total Hardness(mg/L)	00900	266	278	280	279	282	277	280	278	279	279		
Ammonia-N(mg/L)	00610	<0.1		<0.10		0.16		0.11		0.24			
Chlorophyll a(mg/m ³)	32211	<1	<1	<1.0	<1.0	---	<1.0	1.48	<1.0	<1	<1.00		
Pheophytin(mg/m ³)	32218	<1	<1	<1.0	<1.0	----	<1.0	<1.0	4.89	<1.0	<1.00		
Total Kjeldahl Nitrogen(mg/L)	00625	<0.2		<0.20		<0.2		<0.2		<0.20			

Parameter	Parameter Code	Date and 24 hour time											
		9/2/14	10/7/14	11/11/14	12/2/14	1/6/15	2/2/15	3/9/15	4/6/15	5/6/15	6/8/15	7/6/15	8/4/15
Flow (cfs)	00061	67	86	119	142	131	177	277	192	221	310	343	311
E. coli(org/100mL)	31699	200	180	340	210	150	260	1100	120	210	88	770	94
Suspended Solids(mg/L)	00530	1.50	1.90	0.90	1.20	0.90	1.40	25.6	0.50	1.40	1.90	1.60	1.50
Turbidity(NTU)	82079	1.5	<0.5	1.0	1.2	0.6	0.9	23.2	0.7	0.9	1.1	1.0	1.0
pH	00400	7.7	7.6	7.7	7.6	7.8	7.7	7.5	7.7	7.2	7.0	7.7	7.4
Temperature(C)	00010	27.0	24.2	22.0	21.0	20.4	20.6	17.0	23.2	23.3	23.6	24.7	23.6
Dissolved Oxygen(mg/L)	00300	9.8	7.6	9.1	9.7	9.3	9.3	9.1	9.1	8.3	10.2	10.2	8.5
Conductivity(umhos/cm)	00094	568	618	583	600	594	592	566	591	604	605	577	593
Total Phosphorus(mg/L)	00665	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L as N)	00620	1.41	1.58	1.78	1.80	1.62	1.69	0.96	1.83	1.81	1.79	1.88	1.79
Chloride(mg/L)	00940	19.7	19.6	20.2	20.3	22.0	19.5	24.4	23.1	19.8	20.1	20.1	19.7
Sulfate(mg/L)	00945	32.8	32.9	35.2	35.6	38.0	33.6	59.2	38.6	32.8	32.4	32.9	31.1
Total Hardness(mg/L)	00900	271	276	275	282	155	274	237	264	280	333	286	287
Ammonia-N(mg/L)	00610	<0.10		0.30		0.22		<0.10		<0.10		<0.10	
Chlorophyll a(mg/m ³)	32211	<1.0	<1.0	1.34	1.54	<1.0	<1.0	4.51	<1.0	<1.0	<1.00	<1.00	<1.00
Pheophytin(mg/m ³)	32218	<1.0	<1.0	<1.00	<1.0	<1.0	<1.0	1.14	<1.0	<1.0	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen(mg/L)	00625	<0.20		<0.20		<0.20		0.40		<0.20		<0.20	

TABLE 9

TCEQ Segment 1811
 TCEQ Station 12653
 Station Number 9 Comal River at Hinman Island
 Latitude 29/42/29 Longitude 98/07/26

Parameter	Parameter Code	Date and 24 hour time											
		9/6/18	10/8/18	11/5/18	12/4/18	1/2/19	2/4/19	3/12/19	4/29/19	5/22/19	6/5/19	7/1/19	8/26/19
Flow (cfs)	00061	186	314	375	355	411	376	376	359	376	376	350	297
E. coli(org/100mL)	31699	74	210	410	180	610	190	980	66	110	91	150	580
Suspended Solids(mg/L)	00530	0.80	0.60	3.10	<0.50	8.50	1.00	5.20	0.90	1.70	1.70	1.80	1.30
Turbidity(NTU)	82079	0.7	0.6	2.2	0.45	3.7	0.5	1.1	0.55	0.9	0.95	1.0	0.8
pH	00400	7.4	7.4	7.4	7	7.4	7.2	7.3	7.6	7.6	7.5	7.1	7.4
Temperature(C)	00010	23.8	24	23.1	22.3	21.3	23.2	23.4	23.3	23.6	24.6	23.7	23.7
Dissolved Oxygen(mg/L)	00300	9	8.9	8.5	9.5	9.3	8.8	9.6	8.4	8.2	9.6	9	8.9
Conductivity(umhos/cm)	00094	580	580	577	588	579	586	582	577	577	573	577	575
Total Phosphorus(mg/L)	00665	<0.02	<0.02	0.02	0.02	0.03	<0.02	<0.02	<0.02	0.101	<0.02	<0.02	<0.02
Nitrate-N(mg/L as N)	00620	1.44	1.86	1.96	1.81	1.55	1.92	1.9	1.83	1.92	1.86	1.9	1.8
Chloride(mg/L)	00940	18.9	18.7	18.8	18.8	19.7	19	18.9	18.9	19.6	19.4	19.4	18.9
Sulfate(mg/L)	00945	29.4	28.9	28.4	28.2	29.4	27.8	27.8	28.5	28.3	28	28.4	27.9
Total Hardness(mg/L)	00900	286	284	282	286	284	284	293	289	285	286	286	287
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	<1.00	<1.00	<1.00	2.02	<1.00	<1.00	1.72	<1.00	<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	<1.00
Total Kjeldahl Nitrogen(mg/L)	00625	<0.20		<0.20		<0.20		<0.20		<0.20		<0.20	

Parameter	Parameter Code	Date and 24 hour time									
		9/9/19	10/2/19	11/4/19	12/16/19	1/9/20	2/12/20	3/2/20	4/6/20	5/4/20	6/1/20
Flow (cfs)	00061	309	295	307	312	299	338	330	322	303	307
E. coli(org/100mL)	31699	120	100	180	110	140	1300	88	130	150	140
Suspended Solids(mg/L)	00530	1.20	0.90	1.80	0.50	1.20	5.40	1.10	4.70	1.30	3.10
Turbidity(NTU)	82079	0.8	0.6	1.1	0.6	0.8	2.6	0.6	3.2	<0.50	1
pH	00400	7.5	7.3	7.4	7.7	7.2	7.4	7.3	6.9	7.3	7.6
Temperature(C)	00010	24.5	23.6	22.9	22.3	23	22	23.6	22.9	23.6	24
Dissolved Oxygen(mg/L)	00300	9.1	8.1	8.5	9.9	7.2	8.9	8	7.8	8.9	9.1
Conductivity(umhos/cm)	00094	574	572	576	678	579	596	581	574	582	583
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
Nitrate-N(mg/L as N)	00620	1.9	1.91	1.87	1.83	1.88	1.87	1.63	1.66	1.80	1.75
Chloride(mg/L)	00940	18.2	18.8	18.5	19.3	18.8	19.3	19.8	19.7	19.6	19.5
Sulfate(mg/L)	00945	27	27.6	27.2	28.6	27.9	28.7	28.5	29.3	28.6	28.5
Total Hardness(mg/L)	00900	287	288	287	286	271	283	284	276	279	278
Ammonia-N(mg/L)	00610	<0.10		0.11		<0.10		<0.10		<0.10	
Chlorophyll a(mg/m ³)	32211	<1.00	<1.00	<1.00	<1.00	<1.00	3.17	<1.00	<1.00	<1.00	<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
Total Kjeldahl Nitrogen(mg/L)	00625	<0.20		<0.20		<0.20		<0.20		<0.2	