Data after February 2018 is preliminary and subject to change during data review and validation process

TABLE 26

TNRCC Segment 1808
TNRCC Station 16578
Station Number 26 San Marcos River at Hwy 90A near City of Gonzales, 7 KM upstream of confluence with Guadalupe River
Latitude 29/30/50 Longitude 97/29/38

Parameter	Parameter Code	Date and 24 hour time 9/16/99 1102	12/13/99 1426	3/20/00 932	6/20/00 1154	9/20/00 1254	12/18/00 1307	3/22/01 1018	6/21/01 1009	9/11/01 916	12/19/01 1100	3/12/02 1057	6/13/02 1550
Flow (cfs)	00061							906	252	1229	2175		296
Fecal Coliform(org/100mL)	31699	46	80	362	128	72	80	48	18	7400	**		
Suspended Solids(mg/L)	00530	14.8	16.8	81.6	44.1	19.4	26.1	38.1	31.6	154	367	34.7	20.4
Turbidity(NTU)	82079	7.3	8.5	42	35	19	15.5	18	11	73	65	15	9.4
pH	00400	8.06	8.09	7.9	7.74	8.21	8.27	7.83	7.83	8.65	7.97	8.08	7.95
Temperature(C)	00010	27.32	15.07	15.17	29.07	26.57	12.08	16.1	28.18	25.62	14.86	19.93	30.16
Dissolved Oxygen(mg/L)	00300	7.83	8.87	8.96	6.06	6.66	11.72	10.59	8.03	6.92	10.24	9.64	6.65
Conductivity(umhos/cm)	00094	596	635	1078	482	713	604	598	612	334	479	667	644
Total Phosphorus(mg/L)	00665	0.026	0.12	0.278	0.51	0.09	0.11	0.15	0.1	0.49	0.42	0.1	0.1
Nitrate-N(mg/L)	00620	0.856	1.2	1.83	0.924	0.786	1.27	0.95	1.09	0.94	0.63	1.4	0.92
Chloride(mg/L)	00940	48	46.8	135	50.2	70.7	30.2	32	38.5	20	21	48.3	46.7
Sulfate(mg/L)	00945	28.6	32.4	148	20.4	35	40.2	33.4	30	4.4	40.6	42	35.9
Total Hardness(mg/L)	00900	240	221	260	202	240	282	268	251	151	128	255	276
Ammonia-N(mg/L)	00610	0.17	0.15	0.25	0.1	0.14	0.12	0.02	<0.02	0.07	0.04	0.06	<0.02
E. coli(org/100mL)	32211	12	80	350	36	21	76	36	8	3400	687	365	24
Chlorophyll a(mg/m^3)	32218	3.8	<1	2	2.9	<1	<1	<1	2.8	<1	5.6	4	7.7
Pheophytin(mg/m^3)	00625										<1	11.1	2.5

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

Parameter	Parameter Code	Date and 24 hour time 9/18/02 1225	12/16/02 1019	3/19/03 957	6/23/03 1011	09/15/03 943	12/05/03 943	03/08/04 1000	06/15/04 1027	9/13/04 903	12/8/04 1012	3/3/05 936	8/3/05 1531
Flow (cfs)	00061	431	2247	1096	399	633	386	287	1923	489	1989	2434	
E. coli(org/100mL)	31699	84	345	68	42	77	53	78	80	35	100	1952	31
Suspended Solids(mg/L)	00530	20.1	82.2	16.8	26.2	46.4	10.6	18.4	125	16.1	102	382	18.7
Turbidity(NTU)	82079	6.2	38	12	2	18.5	8.15	23.9	142	18.3	67.8	141	12.4
pH	00400	7.84	8.04	7.74	7.73	8.13	8.33	7.85	7.88	7.99	7.8	7.8	7.9
Temperature(C)	00010	25.9	14.2	20	30	26.3	14.8	18.7	27.2	26.5	17.2	16.1	30.3
Dissolved Oxygen(mg/L)	00300	7.63	10.91	9.38	7.01	8.75	10.1	9.26	6.33	6.91	10.7	11.03	7.42
Conductivity(umhos/cm)	00094	609	537	712	611	1075	602	698	428	665	601	663	575
Total Phosphorus(mg/L)	00665	0.07	<0.05	0.08	<0.02	0.62	0.18	0.09	0.32	0.08	0.1	0.19	0.05
Nitrate-N(mg/L)	00620	0.56	0.75	0.53	0.39	0.87	0.62	0.72	0.66	0.38	1.03	0.84	1.15
Chloride(mg/L)	00940	30.9	27.8	47.5	35.4	115	43.2	45.2	20	35.8	27.3	55.1	35.6
Sulfate(mg/L)	00945	33.8	34.6	48.5	38.4	116	38.9	42.2	24.9	34.6	33.6	49.9	33.7
Total Hardness(mg/L)	00900	258	261	297	203	311	276	274	239	262	286	320	232
Ammonia-N(mg/L)	00610	0.03	0.03	0.02	0.03	0.03	0.03	0.11	0.05	0.03	0.02	0.04	0.06
Chlorophyll a(mg/m^3)	32211	10.1	1.87	<1.0	1.5	<1.0	<5.0	<5.0	<5.0	<1	3	4.3	3.9
Pheophytin(mg/m^3)	32218 00625	<1.0	1.31	5.81	3.5	2.5	<3.0	<3.0	<3.0	<3	<3	<3	<3

Parameter	Parameter Code	Date and 24 hour time 11/4/05 1028	2/1/06 1001	4/4/06 1053	8/7/06 1220	10/10/06 1329	1/8/07 1150	3/8/07 955	8/6/07 1052	10/11/07 1010	1/7/08 939	4/9/08 918	6/9/08 1034
Flow (cfs)	00061	206	280	201	94	282	239	233	1200	513	405	428	214
E. coli(org/100mL)	31699	73	88	69	50	91	220	49	106	19	145	45	52
Suspended Solids(mg/L)	00530	19.3	22.3	33.3	58.7	22	59	74.3	123	24	12.7	35	31
Turbidity(NTU)	82079	12.2	8.7	26.1	44.1	17.8	34.5	9.5	45.1	17.8	11.4	20.4	15.4
pH	00400	8.12	7.99	8.09	7.98	7.92	8.02	8.06	7.96	7.91	8.1	8	7.9
Temperature(C)	00010	17.7	15.3	24.5	29.5	24.3	12.4	16	27.7	25.9	14.8	24.1	29.7
Dissolved Oxygen(mg/L)	00300	8.95	9.65	7.52	5.78	7	10.2	10.6	7.26	8.52	10.4	7.2	6.2
Conductivity(umhos/cm)	00094	608	675	669	577	581	648	667	521	551	638	624	579
Total Phosphorus(mg/L)	00665	<0.05	<0.05	0.05	<0.05	<0.05	0.24	0.09	0.12	0.05	<0.05	0.1	0.07
Nitrate-N(mg/L)	00620	1.02		1.16	0.58	0.62	1.38	1.1	0.65	0.88	1.09	1.04	0.58
Chloride(mg/L)	00940	38.2	51	52.1	43.7	44	54	36.7	18.4	101	39.6	36.8	40
Sulfate(mg/L)	00945	34	47.9	44.3	34.9	35.2	42.5	40.6	23.2	96.3	35.5	33.8	34.4
Total Hardness(mg/L)	00900	268	278	229	245	220	243	279	274	276	273	294	229
Ammonia-N(mg/L)	00610	<0.02	0.04	0.05	0.09	<0.02	0.04	0.03	0.04	<0.1	0.28	<0.1	<0.1
Chlorophyll a(mg/m^3)	32211	1.2	1.1	1.8	2	2.2	<1	2.2	1.4	4.2	4.4	1.2	<1
Pheophytin(mg/m^3)	32218	<1	1.7	<1.0	<1	<1	<1	<1	<1	1.2	1.3	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625									<0.5	<0.5	0.24	0.33

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TABLE 26

TCEQ Segment 1808
TCEQ Station 16578
Station Number 26 San Marcos River at Hwy 90A near City of Gonzales, 7 KM upstream of confluence with Guadalupe River
Latitude 29/30/50 Longitude 97/29/38

		Date and 24 hour time											
	Parameter	9/9/08	1/7/09	3/10/09	6/03/09	10/05/09	12/01/09	5/4/10	6/16/10	9/15/10	1/5/11	3/3/11	7/12/11
Parameter	Code	935	928	944	933	1011	918	947	1159	1454	958	931	1015
Flow (cfs)	00061	389	362	317	84	1408	525	848	1021	674	242	291	72
E. coli(org/100mL)	31699	37	82	68	44	9210	130	52	130	120	48	67	46
Suspended Solids(mg/L)	00530	21.3	22.7	53.7	22.7	686	40.3	20	102	86.7	26.4	43.6	31.5
Turbidity(NTU)	82079	23.5	22.3	36.2	18.9	680	31.8	13.7	36.3	74	18.8	22.4	23.9
pH	00400	8	7.8	8	8	7.8	7.9	8	7.8	8.1	8.1	8.1	7
Temperature(C)	00010	28.8	11.7	21.9	28.6	23.3	14.8	23.3	29	29.3	13.6	17.9	30.7
Dissolved Oxygen(mg/L)	00300	9.1	11.3	8.2	7.6	5.6	11.3	8.1	6.8	6.5	9.6	8.6	6
Conductivity(umhos/cm)	00094	297	658	647	611	248	620	615	498	530	606	649	570
Total Phosphorus(mg/L)	00665	0.06	0.07	0.1	0.08	0.83	0.09	0.06	0.13	0.1	0.06	0.09	0.07
Nitrate-N(mg/L)	00620	0.496	0.98	0.9	0.39	0.96	0.89	1.14	0.56	1.09	1.35	1.22	0.44
Chloride(mg/L)	00940	39	54.4	46.5	47.6	11.6	31.8	37.4	22.7	21.7	38.5	46.7	44.2
Sulfate(mg/L)	00945	30.5	43.4	35.7	34.2	12.7	44	38.4	29.2	29.5	36	41	34
Total Hardness(mg/L)	00900	208	274	271	227	242	292	266	240	276	258	269	218
Ammonia-N(mg/L)	00610	<0.1	0.17	0.11	<0.1	0.18	0.1	0.14	0.15	<0.1	0.1	0.17	0.16
Chlorophyll a(mg/m^3)	32211	2.3	<1	1.2	3.3	<1	<1	1.2	3.6	<1	<1	1.1	3.5
Pheophytin(mg/m^3)	32218	<1	<1	<1	<1	<1	<1	<1	4.6	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	0.34	0.44	0.34	0.34	2.23	0.43	0.25	0.68	0.53	0.4	0.39	0.28

		Date and 24 hour time											
	Parameter	10/19/11	1/10/2012	3/6/12	6/14/12	9/5/12	1/7/13	3/20/13	8/7/13	11/18/13	2/5/14	5/8/14	7/2/14
Parameter	Code	1021	1013	953	932	1010	1108	1057	1020	1013	1112	1022	1015
Flow (cfs)	00061	105	110	364	283	142	183	232	146	377	193	109	173
E. coli(org/100mL)	31699	74	>4840	100	38	26	38	27	54	160	55	93	91
Suspended Solids(mg/L)	00530	23.6	54.6	20.3	22.8	26.9	14.6	31.9	30.5	75	8.20	14.0	12.6
Turbidity(NTU)	82079	15.8	48.0	9.6	12.3	20.6	12	22.7	27	53.5	6.1	12.4	6.9
pH	00400	8	7.7	8	8.1	7.9	8.3	7.8	8.2	7.9	7.4	7.9	7.7
Temperature(C)	00010	21.2	13.9	18.3	29.3	29.2	9.4	21.5	30.8	19	12.2	24.8	29.8
Dissolved Oxygen(mg/L)	00300	7.3	8.6	8.8	6.8	6.6	10.9	8.2	7	8.3	10.7	6.8	7.0
Conductivity(umhos/cm)	00094	605	623	668	565	537	625	625	522	479	663	626	581
Total Phosphorus(mg/L)	00665	0.06	0.14	0.07	0.04	0.04	0.07	0.07	0.07	0.13	0.06	0.07	0.03
Nitrate-N(mg/L)	00620	1.02	1.08	1.58	0.91	0.94	1.3	0.77	0.38	1.17	1.36	0.55	0.51
Chloride(mg/L)	00940	39.5	41.5	43.2	35.1	36.5	40.9	48.2	39.8	20.1	43.7	46.2	41.3
Sulfate(mg/L)	00945	29.5	36.5	44.4	34.8	32.3	33.8	38.2	33	27	39.6	35.6	34.8
Total Hardness(mg/L)	00900	242	251	280	228	227	262	239	194	225	266	258	227
Ammonia-N(mg/L)	00610	0.12	0.27	0.23	0.2	0.13	0.11	0.3	0.4	0.27	<0.10	0.33	0.27
Chlorophyll a(mg/m^3)	32211	<1	<1.0	3.7	<1	1.69	1.13	1.1	2.54	1.87	4.21	10.7	<1.0
Pheophytin(mg/m^3)	32218	<1	<1.0	<1	3.3	<1	<1	2.7	<1	<1	1.19	<1.0	1.75
Total Kjeldahl Nitrogen (mg/L)	00625	0.26	0.50	0.31	0.39	0.24	0.23	0.6	0.55	0.49		0.285	0.27

		Date and 24 hour time											
	Parameter	8/21/14	9/3/14	2/3/15	4/8/15	7/9/15	10/7/15	1/5/16	4/6/16	7/12/16	10/4/16	1/11/17	4/3/17
Parameter	Code	1153	946	1000	1114	1409	955	925	929	929	1015	945	1020
Flow (cfs)	00061	105	107	152	354	624	273	703	416	558	393	298	690
E. coli(org/100mL)	31699	69	580	71	210	80	47	120	41	110	110	45	430
Suspended Solids(mg/L)	00530	30.6	29.5	30.9	32.0	50.0	24.2	28.0	27.8	50.8	55.5	11.2	39.4
Turbidity(NTU)	82079			22.2	20.1	33.7	9.5	20.2	16.1	39.6	41.9	8.0	23.9
pH	00400	7.8	8.0	8.1	8.1	7.9	8.0	7.9	8.0	8.1	7.8	8.0	7.9
Temperature(C)	00010	30.4	26.6	13.3	23.5	28.4	23.2	12.6	20.4	28.1	26.1	14.2	22.4
Dissolved Oxygen(mg/L)	00300	6.5	6.3	9.8	7.4	7.3	7.7	10.0	8.8	7.2	7.5	11.5	8.1
Conductivity(umhos/cm)	00094	563	585	570	612	621	592	636	604	399	572	611	592
Total Phosphorus(mg/L)	00665	0.04	0.07	0.09	0.08	0.05	0.04	0.05	0.03	0.06	0.08	0.05	0.08
Nitrate-N(mg/L)	00620	0.51	20.5	1.00	0.93	1.30	1.42	1.36	1.18	1.37	1.22	1.34	1.08
Chloride(mg/L)	00940		180	33.1	40.5	34.3	38.0	35.3	38.5	31.9	25.5	36.3	37.5
Sulfate(mg/L)	00945		95.5	38.5	39.5	41.2	33.1	36.6	36.8	32.4	30.4	36.2	38.5
Total Hardness(mg/L)	00900		215	265	259	281	247	281	259	252	269	264	223
Ammonia-N(mg/L)	00610	0.15	0.42	<0.10	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10
Chlorophyll a(mg/m^3)	32211	1.30	<1.0	1.47	<1.0	5.34	1.87	1.41	7.65	1.75	1.27	1.48	2.70
Pheophytin(mg/m^3)	32218		<1.0	<1.0	1.57	3.07	<1.00	<1.00	<1.0	<1.0	<1.0	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.61	0.36	0.42	0.27	<0.20	0.33	0.31	0.44	<0.20	<0.20	<0.20	0.46

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TABLE 26

TCEQ Segment 1808
TCEQ Station 16578
Station Number 26 San Marcos River at Hwy 90A near City of Gonzales, 7 KM upstream of confluence with Guadalupe River
Latitude 29/30/50 Longitude 97/29/38

Parameter	Parameter Code	Date and 24 hour time 7/24/17 1015	10/2/17 940	12/6/17 912	4/5/18 1339	7/10/18 915	9/17/18 1105	1/7/19 915	4/4/19 1425	8/8/19 913	9/5/19 918	12/5/19 904	3/9/20 941
Flow (cfs)	00061	205	282	228	342	312	282	1050	330	251	218	186	156
E. coli(org/100mL)	31699	83	240	440	500	150	1300	1000	550	36	26	47	120
Suspended Solids(mg/L)	00530	18.4	106	21.9	153	42.2	226	251	25.2	35.8	44.6	9	30.7
Turbidity(NTU)	82079	22.6	34.2	11.3	43.2	34.3	178	150	15	17	29	21	17
pH	00400	7.9	7.9	8.0	7.7	8	7.8	8	8.2	8.1	8.2	8.1	8
Temperature(C)	00010	30.5	24.8	17.6	21.9	28.2	26.1	14.6	19	29.9	28.8	14.4	17.7
Dissolved Oxygen(mg/L)	00300	6.9	7.3	8.3	7.5	6.5	8.5	9.9	9.5	6.7	7	9.2	8.4
Conductivity(umhos/cm)	00094	545	511	666	471	607	401	439	627	568	554	647	699
Total Phosphorus(mg/L)	00665	0.03	0.21	0.06	0.2	0.12	0.28	0.16	0.055	0.064	0.058	0.088	0.148
Nitrate-N(mg/L)	00620	1.06	1.38	1.79	1.04	1.52	0.95	0.66	1.42	1.15	1.13	1.31	1.44
Chloride(mg/L)	00940	38.3	29.8	46.7	25	48.2	29.7	16.9	40	41.2	37.1	45.7	55.5
Sulfate(mg/L)	00945	34.4	34.4	39.8	32.5	38.8	25.3	26.2	38.4	36.6	33.1	38.4	46.8
Total Hardness(mg/L)	00900	219	218	275	212	236	185	255	280	247	240	293	266
Ammonia-N(mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a(mg/m^3)	32211	7.83	7.74	3.98	10.9	5.61	1.16	1.87	2.58	4.22	3.53	1.45	2.22
Pheophytin(mg/m^3)	32218	1.20	1.04	<1.00	<1.00	1.85	<1.00	1.4	1.22	1.91	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.38	0.90	0.65		0.52	1.13	0.67	0.28	0.36	0.3	0.29	0.3

Parameter	Parameter Code	Date and 24 hour time 6/10/20 933
Flow (cfs)	00061	280
E. coli(org/100mL)	31699	60
Suspended Solids(mg/L)	00530	53.4
Turbidity(NTU)	82079	13
pH	00400	8.1
Temperature(C)	00010	28.1
Dissolved Oxygen(mg/L)	00300	7.2
Conductivity(umhos/cm)	00094	566
Total Phosphorus(mg/L)	00665	0.069
Nitrate-N(mg/L)	00620	0.909
Chloride(mg/L)	00940	31.8
Sulfate(mg/L)	00945	33.7
Total Hardness(mg/L)	00900	253
Ammonia-N(mg/L)	00610	<0.10
Chlorophyll a(mg/m^3)	32211	3.12
Pheophytin(mg/m^3)	32218	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.49

Parameter	Parameter Code	Date and 24 hour time
Flow (cfs)	00061	
E. coli(org/100mL)	31699	
Suspended Solids(mg/L)	00530	
Turbidity(NTU)	82079	
pH	00400	
Temperature(C)	00010	
Dissolved Oxygen(mg/L)	00300	
Conductivity(umhos/cm)	00094	
Total Phosphorus(mg/L)	00665	
Nitrate-N(mg/L)	00620	
Chloride(mg/L)	00940	
Sulfate(mg/L)	00945	
Total Hardness(mg/L)	00900	
Ammonia-N(mg/L)	00610	
Chlorophyll a(mg/m^3)	32211	
Pheophytin(mg/m^3)	32218	
Total Kjeldahl Nitrogen (mg/L)	00625	