

TABLE 30

TCEO Segment 1806  
 TCEO Station 17404  
 Station Number 30 Guadalupe River at FM 474  
 Latitude 29.89 Longitude 98.67

Parameter	Date and 24 hour time												
	Parameter Code	10/09/01 1143	1/17/02 1145	3/25/02 1213	6/18/02 1200	11/19/02 1433	1/14/03 1134	4/16/03 1505	6/25/03 1155	11/06/03 1059	01/14/04 1026	03/09/04 1037	7/16/04 932
Flow(cfs)	00061	93	243	185	55	41	356	195	110	127	84	160	482
E. coli(org/100mL)	31699	204	104	60	30	91	194	16	58	162	172	173	328
Suspended Solids(mg/L)	00530	3	1.4	2.9	9.2	2.8	4.6	2.8	5.9	3	3.6	2.8	1.7
Turbidity(NTU)	82079	4	0.8	1.2	4.4	2.6	2.9	4.1	4.4	3.05	1.73	2.96	3.99
pH	00400	8.16	8.07	8.1	7.96	7.85	7.81	7.79	7.49	8.2	7.95	9.9	7.56
Temperature(C)	00010	20.99	13.11	18.62	26.6	15.6	11.4	22.4	27.5	21.5	13.1	16.3	24.1
Dissolved Oxygen(mg/L)	00300	9.12	10.46	9.2	7.71	10.63	12.2	10.1	8.33	7.8	8.9	7.85	7.74
Conductivity(umhos/cm)	00094	512	555	530	514	597	585	519	551	545	566	535	538
Total Phosphorus(mg/L)	00665	<0.01	0.07	0.04	0.04	0.05	<0.05	<0.05	0.02	<0.02	0.06	0.05	0.09
Nitrate-N(mg/L)	00620	0.54	0.91	0.59	0.21	0.83	0.44	0.54	0.24	0.28	0.38	0.54	0.6
Chloride(mg/L)	00940	22.7	26.5	20.7	21.9	17.9	16.8	20	17.9	17.3	18.7	18.9	14.4
Sulfate(mg/L)	00945		22.4	22.4	25.1	28.6	26.8	30.2	22.9	21.5	22.1	23.1	18.5
Total Hardness(mg/L)	00900	254	308	255	254	299	302	281	309	254	260	249	270
Ammonia-N(mg/L)	00610	0.03	<0.02	<0.02	<0.02	0.03	<0.02	0.02	0.02	<0.02	<0.02	0.03	0.02
Chlorophyll a(mg/m <sup>3</sup> )	32211	1		2.6	2.1	<1.0	<1.0	<1.0	1.8	<1.0	<5.0	<5.0	<5
Phaeophytin(mg/m <sup>3</sup> )	32218			<1.0	2.3	2.51	3.16	2.48	1.5	1.1	<3.0	<3.0	<3

Parameter	Date and 24 hour time												
	Parameter Code	11/08/04 955	1/10/05 1151	4/01/05 1034	6/01/05 1038	9/07/05 1107	2/03/06 1026	4/03/06 1357	7/11/06 1020	10/11/06 1202	1/10/07 1045	3/05/07 1048	6/11/07 1050
Flow(cfs)	00061	387	267	377	523	113	105	93	25	157	79	51	463
E. coli(org/100mL)	31699	276	222	144	>4800	72	460	66	50	260	90	54	250
Suspended Solids(mg/L)	00530	2.1	1	3.8	236	18	4.7	13	16.3	16.7	2.7	2.3	19
Turbidity(NTU)	82079	1.1	1.3	1.8	235	2.3	3.1	9	15.6	17.2	2.7	3.3	13.2
pH	00400	7.73	7.77	7.68	7.94	8	7.94	8.07	7.95	7.91	8.02	8.02	7.91
Temperature(C)	00010	17.4	17.6	18	20.9	25.7	13.7	22.9	27	21.4	8.4	11	24.8
Dissolved Oxygen(mg/L)	00300	9.67	10.5	9.99	8.43	7.67	10.9	9.4	7.65	9.4	12.5	11.9	10.9
Conductivity(umhos/cm)	00094	568	570	627	277	487	544	489	480	480	603	613	568
Total Phosphorus(mg/L)	00665	<0.05	0.07	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate-N(mg/L)	00620	0.28	0.78	0.47	0.46	0.37	0.57	0.39	<0.02	0.16	0.3	0.25	0.71
Chloride(mg/L)	00940	11.1	13.5	12.3	8.2	18.4	20	21.9	23.7	25.6	23.7	18.2	7.5
Sulfate(mg/L)	00945	14.4	22.4	17.9	10.8	19.4	22.8	23	22.8	26.2	24.4	22.4	11
Total Hardness(mg/L)	00900	281	278	274	308	271	276	196	216	223	254	261	297
Ammonia-N(mg/L)	00610	0.02	0.02	0.05	0.03	0.02	0.02	0.02	0.02	<0.02	0.03	<0.02	0.02
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	1	1.3	<1	<1	<1	1.2	<1	<1	<1	<1
Phaeophytin(mg/m <sup>3</sup> )	32218	<3	<3	<3	<3	2	<1	<1	<1	<1	<1	<1	<1

Parameter	Date and 24 hour time												
	Parameter Code	9/17/07 1019	12/10/07 1148	3/10/08 1501	7/02/08 1031	12/03/08 1024	3/09/09 1031	6/01/09 1013	9/08/09 959	12/02/09 1017	4/6/10 956	7/7/10 1115	11/16/10 1114
Flow(cfs)	00061	707	221	137	32	37	42	60	25	127	192	167	80
E. coli(org/100mL)	31699	90	230	345	91	89	57	86	98	>2420	47	60	38
Suspended Solids(mg/L)	00530	4	<1	<1	2.7	1.7	9.3	9	11.3	8	7.3	5	3.5
Turbidity(NTU)	82079	4.98	0.72	1.5	2.44	1.4	3.6	1.6	5.5	8.4	2.2	3.6	2.4
pH	00400	7.86	8.01	8.1	7.9	7.8	8	8.2	8.1	7.9	7.9	8.1	8.1
Temperature(C)	00010	24.1	16.3	13.9	25.4	12.5	20.1	25	26.1	11.8	20.6	27.1	14.9
Dissolved Oxygen(mg/L)	00300	8	10.3	12.4	7.7	10.9	7.9	7.8	8.6	10.9	14.8	8.1	9.2
Conductivity(umhos/cm)	00094	552	574	536	509	524	480	477	479	507	557	511	537
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	<0.02	0.37	0.83	0.14	0.26	0.22	0.16	<0.05	0.4	0.52	0.34	0.35
Chloride(mg/L)	00940	13.5	16.4	19.5	23.4	23.3	27	23.9	27.4	18	20.7	15.8	21.1
Sulfate(mg/L)	00945	21.8	24.8	27.4	27.2	25.2	29	23.1	21.4	26.8	33.2	19.5	26
Total Hardness(mg/L)	00900	287	276	251	230	252	233	221	226	289	271	243	270
Ammonia-N(mg/L)	00610	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.12	<0.1	<0.1	<0.1
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phaeophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	0.2	<0.2	0.24	0.24	0.28	<0.2

TABLE 30

TCEO Segment 1806  
 TCEO Station 17404  
 Station Number 30 Guadalupe River at FM 474  
 Latitude 29.89 Longitude 98.67

Parameter	Date and 24 hour time												
	Parameter Code	2/14/11	4/6/11	7/7/11	9/6/11	1/3/2012	3/5/12	6/13/12	10/16/12	12/12/12	4/10/13	8/5/13	10/8/13
Flow(cfs)	00061	94	47	7.6	9	58	55	23	53	50	54	1.3	25
E. coli(org/100mL)	31699	52	86	57	33	120	120	130	370	180	310	37	130
Suspended Solids(mg/L)	00530	3.8	8.7	24.5	3.5	2.4	8.7	10.7	14.5	0.88	10.4	9.3	14.4
Turbidity(NTU)	82079	1.8	2.6	12	2.3	1.4	6.3	3	7.4	1.1	6.2	6.3	14.2
pH	00400	8	8.1	8	7.9	8.1	7.9	8	7.9	7.4	8.1	8.1	8.1
Temperature(C)	00010	8.9	18.1	29.9	24.2	8.8	15.3	27.4	19.8	9.4	20.2	29.3	19.5
Dissolved Oxygen(mg/L)	00300	10.8	8.3	6.8	7.7	10.9	9.5	6.8	10.1	10	7.7	7.5	8.1
Conductivity(umhos/cm)	00094	534	536	555	557	589	531	519	516	564	524	533	530
Total Phosphorus(mg/L)	00665	<0.05	<0.05	<0.05	0.02	0.02	0.02	0.02	<0.02	<0.02	0.02	0.02	0.02
Nitrate-N(mg/L)	00620	0.67	0.14	0.13	<0.05	0.33	0.38	0.14	0.12	0.16	0.2	0.13	0.13
Chloride(mg/L)	00940	23.2	26.4	30	33.8	31.3	29.3	23.4	30.7	32.8	32.6	30.6	38.4
Sulfate(mg/L)	00945	27.2	28	24.7	24.4	34.5	33.6	26.5	28	28	26.8	22.2	26.3
Total Hardness(mg/L)	00900	262	258	232	232	264	258	219	233	248	184	232	238
Ammonia-N(mg/L)	00610	0.12	0.11	0.35	<0.1	0.25	0.2	0.2	0.12	0.14	<0.1	0.11	<0.01
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	1	<1	<1	<1.0	<1	<1	<1	<1	<1	1.34	<1
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	<1.0	<1	<1	2.58	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	<0.2	0.21	<0.2	0.25	0.22	0.23	0.22	0.3	<0.2	0.52	<0.2	0.23

Parameter	Date and 24 hour time												
	Parameter Code	12/2/13	3/11/14	6/9/14	9/2/14	12/2/14	3/9/15	7/6/15	9/1/15	12/1/15	3/7/16	6/7/16	9/19/16
Flow(cfs)	00061	41	36	49	8.0	39	51	200	49	213	100	1010	124
E. coli(org/100mL)	31699	130	220	600	56	260	460	180	130	200	200	300	130
Suspended Solids(mg/L)	00530	6.3	6.44	46.0	9.10	2.40	10.1	8.40	3.90	9.40	6.40	7.70	8.20
Turbidity(NTU)	82079	3.7	4.2	9.3	7.3	1.9	7.5	5.5	3.5	6.6	4.5	19.3	6.3
pH	00400	7.9	7.8	7.7	8.2	7.7	7.8	8.0	7.8	7.8	7.8	7.9	7.8
Temperature(C)	00010	13.4	14.9	25.6	28.3	12.2	12.5	26.0	25.8	13.9	18.2	22.9	25.9
Dissolved Oxygen(mg/L)	00300	9.1	9.3	6.6	5.7	8.5	9.2	8.6	7.0	9.5	8.2	7.9	7.0
Conductivity(umhos/cm)	00094	556	577	481	524	579	550	562	593	487	559	590	553
Total Phosphorus(mg/L)	00665	0.03	<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	0.44	0.21	0.15	<0.05	0.26	0.42	1.15	0.70	0.47	0.54	1.21	0.65
Chloride(mg/L)	00940	31.5	35.5	22.7	38.1	38.0	30.8	23.0	29.7	16.6	24.5	16.6	24.0
Sulfate(mg/L)	00945	27.5	31.7	21.3	24.7	31.0	28.0	30.1	36.9	18.7	29.1	22.1	27.0
Total Hardness(mg/L)	00900	252	255	231	231	247	252	274	266	242	259	297	263
Ammonia-N(mg/L)	00610	0.32	0.28	0.24	0.25	0.26	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	---	2.52	<1.0	<1.0	1.30	<1.00	<1.00	<1.00	<1.0	1.01	<1.0
Pheophytin(mg/m <sup>3</sup> )	32218	<1	---	<1.0	<1.0	<1.0	<1.0	<1.00	<1.00	<1.00	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.45	0.362	0.34	0.40	<0.20	0.26	<0.20	<0.20	0.23	0.50	0.22	0.31

Parameter	Date and 24 hour time												
	Parameter Code	12/14/16	3/14/17	6/7/17	9/14/17	12/4/17	3/8/18	7/9/18	10/8/18	1/2/19	3/12/19	6/5/19	9/9/19
Flow(cfs)	00061	200	199	124	41	72	84	17	139	334	283	410	662
E. coli(org/100mL)	31699	460	100	91	120	180	91	730	240	430	64	74	180
Suspended Solids(mg/L)	00530	4.30	3.40	2.80	14.1	4.80	4.9	28.10	8.70	9.30	2.80	10.10	5.10
Turbidity(NTU)	82079	2.3	3.9	2.4	7.3	3.3	6.5	17.1	5	6.1	1.5	2.3	6.8
pH	00400	7.7	8.0	8.1	8.0	8.0	8.1	8.0	7.8	7.8	7.5	8.1	7.9
Temperature(C)	00010	13.7	16.1	24.7	23.6	18.1	12.4	26.0	24.5	11	17.4	24.8	26.5
Dissolved Oxygen(mg/L)	00300	9.6	10.2	8.9	8.4	8.1	11.2	6.8	7.4	9.8	8.7	7.8	7.4
Conductivity(umhos/cm)	00094	544	558	498	524	548	410	443	510	544	549	518	489
Total Phosphorus(mg/L)	00665	<0.02	<0.02	0.11	<0.02	<0.02	<0.02	0.02	<0.02	0.02	<0.02	<0.02	<0.02
Nitrate-N(mg/L)	00620	0.61	0.54	0.23	0.16	0.28	0.13	<0.05	0.36	0.53	0.7	0.37	0.157
Chloride(mg/L)	00940	21.9	20.8	21.2	27.3	25.6	19.6	19.2	18.7	19.5	22.6	20.6	20.2
Sulfate(mg/L)	00945	25.5	25.8	24.2	27.2	23.8	23.9	14	67.71	23.2	27.7	22.6	20.5
Total Hardness(mg/L)	00900	265	259	230	239	257	193	210	262	285	277	262	246
Ammonia-N(mg/L)	00610	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.1	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1.00	<1.00	<1.00	<1.00	<1.00	1.10	1.9	1.19	<1.00	<1.00	1.63	1.34
Pheophytin(mg/m <sup>3</sup> )	32218	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.24	<1.00	<1.00	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	0.32	0.248	0.44	0.32	0.82	0.27	0.31	<0.20	<0.20	<0.20	0.31	0.33