

**Appendix E. Segment 0831 Tabular Water Quality**

Table E-1 Physical Parameters for Segment 0831

TCEQ Station	Date	Time	Depth (m)	DO (mg/L)	pH (SU)	Cond (uS/cm)	Temp (C)	Zsd (m)	Inst Flow (cfs)
11060	26-Jul-01	13:10	0.15	9.7	7.7	685	30.0		0.4
17444	26-Jul-01	16:07	0.08	9.4	8.1	802	30.8		2.8
17445	26-Jul-01	14:08	0.15	11.5	8.0	650	31.1		0.3
17446	26-Jul-01	11:05	0.15	6.5	7.7	621	27.7		0.5
17454	26-Jul-01	15:23	0.15	8.4	8.3	858	31.3		1.7
13691	27-Jul-01	08:51	0.23	5.1	8.1	722	28.4		1.7
11060	8-Aug-01	15:20	0.15	9.7	8.0	653	29.4	0.30	0.5
17446	8-Aug-01	11:28	0.15	5.0	7.7	464	28.1	0.51	0.6
17444	9-Aug-01	14:47	0.23	7.9	8.1	824	30.2	0.23	1.2
17445	9-Aug-01	10:36	0.15	7.5	8.0	666	27.6	0.30	0.6
17454	9-Aug-01	08:19	0.15	5.3	8.2	954	26.9	0.25	0.4
13691	10-Aug-01	09:00	0.15	6.1	7.9	678	27.1	0.63	0.3
11060	12-Sep-01	14:23	0.30	7.6	7.7	634	24.7	0.69	3.1
13691	12-Sep-01	10:34	0.15	8.9	8.3	524	23.9	0.31	17
17444	12-Sep-01	11:43	0.23	7.8	8.0	602	22.6	0.46	18
17445	12-Sep-01	16:14	0.23	10.7	8.2	568	26.1	0.46	4.7
17446	12-Sep-01	12:51	0.30	5.4	7.5	643	24.4	0.61	1.3
17454	12-Sep-01	17:07	0.15	8.9	8.2	761	25.4	0.30	9.2
11060	4-Oct-01	11:20	0.15	7.6	7.8	598	19.8		1.3
13691	4-Oct-01	13:55	0.15	11.4	8.7	668	23.1		4.9
17444	4-Oct-01	13:18	0.15	9.8	8.2	735	21.6		4.8
17445	4-Oct-01	12:25	0.15	12.3	8.2	598	21.5		1.6
17446	4-Oct-01	10:50	0.08	4.8	7.5	632	21.0		0.4
17454	4-Oct-01	11:56	0.15	8.7	8.2	770	20.7		2.8
11060	27-Mar-02	10:35	0.08	10.6	7.8	595	11.6		3.8
13691	27-Mar-02	13:45	0.30	11.2	8.3	640	14.8		61
17444	27-Mar-02	13:03	0.15	10.4	8.1	742	13.8		34
17445	27-Mar-02	11:12	0.15	11.1	8.0	655	13.1		4.5
17446	27-Mar-02	09:51	0.08	8.4	7.8	584	13.4		0.6
17454	27-Mar-02	11:50	0.23	10.6	8.1	769	12.5		26
11060	17-Apr-02	09:58	0.08	7.0	7.7	542	21.5		5.3
13691	17-Apr-02	13:50	0.15	9.7	8.4	578	23.8		73
17444	17-Apr-02	13:00	0.15	8.3	8.2	676	23.5		41
17445	17-Apr-02	10:40	0.15	9.0	8.1	592	22.2		7.5
17446	17-Apr-02	09:10	0.15	5.5	7.6	603	20.6		0.5

Table E-1 continued on next page

Table E-1 Physical Parameters for Segment 0831

TCEQ Station	Date	Time	Depth (m)	DO (mg/L)	pH (SU)	Cond (uS/cm)	Temp (C)	Zsd (m)	Inst Flow (cfs)
17454	17-Apr-02	11:20	0.15	8.6	8.2	712	22.2		24
17445	7-May-02	15:28	0.15	7.6	7.9	485	24.8	0.30	9.3
11060	8-May-02	07:36	0.08	6.3	7.6	489	23.0	0.30	6.6
17446	8-May-02	14:35	0.08	6.7	7.5	594	24.4	0.24	0.4
17454	8-May-02	17:51	0.61	7.4	8.1	635	24.5		27
13691	15-May-02	08:52	0.15	9.4	8.1	638	19.2	0.38	43
17444	15-May-02	09:35	0.15	8.5	8.0	691	18.3	0.46	29
11060	12-Jun-02	13:10	0.08	7.5	7.8	692	27.7	0.46	1.0
13691	12-Jun-02	16:07	0.08	9.7	8.3	912	29.8	0.46	9.8
17444	12-Jun-02	15:10	0.15	9.1	8.2	789	29.3	0.46	10
17445	12-Jun-02	13:55	0.08	12.6	8.0	707	30.5	0.61	1.9
17446	12-Jun-02	12:51	0.08	7.7	7.6	613	27.2	0.53	0.5
17454	12-Jun-02	14:31	0.15	9.3	8.3	817	29.4		6.0
11060	31-Jul-02	08:17	0.08	3.4	7.6	769	26.0	0.46	0.2
17445	31-Jul-02	12:09	0.15	7.3	8.0	718	28.4	0.37	0.5
17446	31-Jul-02	07:43	0.15	4.0	7.5	613	23.5	0.85	0.4
17454	31-Jul-02	11:09	0.15	6.8	8.1	909	27.8	0.24	2.9
13691	1-Aug-02	08:29	0.08	6.9	8.4	776	27.6	0.77	3.5
17444	1-Aug-02	08:01	0.08	5.6	7.9	866	26.3	0.40	3.4
11060	20-Aug-02	10:25	0.46	3.5	7.6	759	26.2	0.34	0.4
13691	20-Aug-02	12:23	0.15	10.1	8.7	862	30.0	>0.46	1.3
17444	20-Aug-02	08:57	0.46	5.4	8.0	910	25.9	0.56	2.2
17445	20-Aug-02	11:53	0.08	6.0	8.0	715	27.1	0.34	0.3
17446	20-Aug-02	09:21	0.46	3.3	7.5	629	25.7	0.73	0.6
17454	20-Aug-02	09:45	0.46	5.7	8.1	940	27.0	0.24	1.2
11060	23-Sep-02	10:39	0.08	5.2	7.6	581	20.3		0.9
13691	23-Sep-02	08:50	0.15	7.6	8.2	675	21.0		3.4
17444	23-Sep-02	09:17	0.15	7.0	7.9	784	19.8		3.6
17445	23-Sep-02	09:34	0.15	7.5	7.9	641	19.6		0.8
17446	23-Sep-02	10:59	0.15	6.2	7.6	609	21.3		0.4
17454	23-Sep-02	09:48	0.15	7.2	8.1	802	20.6		1.5

Table E-2 Chemical Parameters for Segment 0831

TCEQ Station	Date	Time	Depth (m)	NH <sub>3</sub> (mg/L)	Chloride (mg/L)	Chla (ug/L)	NO <sub>2+3</sub> (mg/L)	Pheo (ug/L)	SO <sub>4</sub> (mg/L)	O-PO <sub>4</sub> (mg/L)	Tot Alk (mg/L)	TDS (mg/L)	TKN (mg/L)	TOC (mg/L)	TP (mg/L)	TSS (mg/L)	VSS (mg/L)	CBOD <sub>5</sub> (mg/L)	CBOD <sub>20</sub> (mg/L)
11060	08-Aug-01	15:20	0.2	0.060	48.0	16.8	<0.024	<1.55	37	0.018	221	382	0.44	3.2	<0.017	< 8	< 4	<2.5	
17446	08-Aug-01	11:28	0.2	0.039	41.0	8.51	<0.024	<1.55	16	<0.004	259	376	0.34	2.5	<0.017	20	4.5	<2.2	
17444	09-Aug-01	14:47	0.2	0.080	68.0	8.00	0.660	2.56	60	0.650	246	490	0.56	4.2	0.660	38	6.5	<2.3	
17445	09-Aug-01	10:36	0.2	0.035	44.0	1.04	<0.024	<1.55	62	0.007	208	377	0.49	2.5	<0.017	< 8	< 4	<2.3	
17454	09-Aug-01	08:19	0.2	0.110	109	13.2	0.520	4.35	54	1.09	231	523	1.06	7.1	1.18	38	7.2	<2.3	
13691	10-Aug-01	09:00	0.2	0.039	6.00	3.89	<0.024	<1.55	52	0.070	188	400	0.71	4.8	0.055	< 8	< 4	<2.2	
11060	12-Sep-01	14:23	0.3	0.100	38.0	3.43	0.200	<1.55	32	0.050	235	294	0.72	3.5	0.140	22	4.0	<2.2	
13691	12-Sep-01	10:34	0.2	0.080	41.0	2.41	0.410	2.37	40	0.370	180	312	0.72	4.3	0.480	33	5.3	<2.2	
17444	12-Sep-01	11:43	0.2	0.080	46.0	<0.81	1.18	3.00	43	0.610	194	364	0.52	4.3	0.680	17	< 4	<2.2	
17445	12-Sep-01	16:14	0.2	0.040	33.0	1.06	<0.024	<1.55	48	0.017	206	324	0.41	3.4	0.070	< 8	< 4	<2.2	
17446	12-Sep-01	12:51	0.3	0.040	38.0	6.31	<0.024	3.21	14	0.008	258	374	0.29	2.4	0.080	29	5.8	<2.2	
17454	12-Sep-01	17:07	0.2	0.060	82.0	<0.81	2.38	<1.55	42	1.05	178	452	0.49	5.1	1.08	< 8	< 4	<2.2	
17445	07-May-02	15:28	0.2	0.050	30.0	11.7	0.220	1.30	47	0.015	185	300	0.56	5.1	0.160	27	6.8	<2.2	
11060	08-May-02	07:36	0.1	0.090	25.0	9.51	0.180	2.73	41	0.015	191	298	0.66	5.1	0.190	39	7.8	<2.2	
17446	08-May-02	14:35	0.1	0.060	50.0	7.41	0.040	<1.21	20	<0.003	246	348	0.41	2.8	0.150	25	6.0	<2.2	
17454	08-May-02	17:51	0.6	0.060	50.0	4.13	0.620	<1.21	46	0.338	241	402	0.83	5.0	0.410	26	5.8	<2.2	
13691	15-May-02	08:52	0.2	0.050	45.0	1.77	0.600	1.58	44	0.271	250	396	0.57	4.3	0.440	30	6.5	<2.2	
17444	15-May-02	09:35	0.2	0.070	43.0	2.78	0.600	<1.21	52	0.307	264	422	0.41	3.9	0.610	30	6.3	<2.2	
11060	12-Jun-02	13:10	0.1	0.040	38.0	10.7	0.370	<1.21	41	0.048	271	428	0.54	3.8	0.180	21	5.5	<2	
13691	12-Jun-02	16:07	0.1	0.020	46.0	4.63	0.420	<1.21	48	0.438	265	422		3.8	0.450	25	4.8	<2	
17444	12-Jun-02	15:10	0.2	0.020	63.0	5.58	0.830	<1.21	58	0.650	268	484	0.61	4.1	0.400	18	4.3	<2	
17445	12-Jun-02	13:55	0.1	<0.019	38.0	1.96	0.080	<1.21	74	0.005	252	440	0.42	2.7	0.110	8	<4	<2	
17446	12-Jun-02	12:51	0.1	0.060	42.0	9.46	0.060	<1.21	20	<0.003	244	358	0.74	2.6	0.080	14	4.0	<2	
17454	12-Jun-02	14:31	0.2	<0.019	70.0	7.28	1.28	<1.21	57	0.923	263	494	1.13	4.8	0.680	32	7.0	<2	
11060	09-Jul-02	11:00	0.5	0.050	34.9	38.2	0.300	10.8		0.077		414	0.72		0.170	35	9.0	2.84	4.51
13691	09-Jul-02	12:56	0.1	0.040	31.4	2.33	0.570	<1.21		0.371		370	0.38		0.410	27	6.5	<2.2	<2.2
17445	09-Jul-02	12:12	0.1	0.040	28.5	1.74	0.270	<1.21		0.034		410	0.26		0.100	7	<4	<2.2	<2.2
17446	09-Jul-02	11:05	0.1	0.040	36.4	3.51	<0.018	<1.21		<0.003		352	<0.12		<0.082	4	<4	<2.2	<2.2
17447	09-Jul-02	11:00	0.2	1.92	106	0.820	1.52	1.46		1.24		746	2.87		1.40	7	<4	2.77	5.52
17448	09-Jul-02	12:32	0.1	1.74	140	5.42	1.03	1.24		0.541		836	3.09		0.710	4	<4	<2.2	<2.2
17450	09-Jul-02	11:24	0.1	0.040	115	<0.75	11.8	<1.21		5.19		660	0.68		5.97	<3	<4	<2.2	<2.2
17454	09-Jul-02	11:00	0.2	0.040	54.6	3.43	1.34	<1.21		0.838		426	0.44		0.980	52	9.3	<2.2	2.88
17637	09-Jul-02	11:40	0.1	0.500	39.3	32.2	1.04	9.93		<0.003		450	1.41		0.120	37	9.8	2.90	5.19
17444	10-Jul-02	11:00	0.2	0.050	46.7	2.05	0.920	<1.21		0.552		428	0.56		0.650	34	6.3	<2.2	3.20

Table E-2 continued on next page

Table E-2 Chemical Parameters for Segment 0831

TCEQ Station	Date	Time	Depth (m)	NH <sub>3</sub> (mg/L)	Chloride (mg/L)	Chla (ug/L)	NO <sub>2+3</sub> (mg/L)	Pheo (ug/L)	SO <sub>4</sub> (mg/L)	O-PO <sub>4</sub> (mg/L)	Tot Alk (mg/L)	TDS (mg/L)	TKN (mg/L)	TOC (mg/L)	TP (mg/L)	TSS (mg/L)	VSS (mg/L)	CBOD <sub>5</sub> (mg/L)	CBOD <sub>20</sub> (mg/L)
17444	10-Jul-02	09:01	0.2	0.060	44.2	4.44	0.960	<1.21		0.558		408	0.42		0.680	52	8.3	<2.2	<2.2
17451	10-Jul-02	17:36	0.2	0.040	97.5	5.31	3.80	2.70		1.85		504	0.86		1.63	10	<4	<2.2	2.36
17452	10-Jul-02	17:46	0.1	0.030	30.5	1.22	0.060	<1.21		0.011		384	0.33		<0.082	6	<4	<2.2	<2.2
17453	10-Jul-02	17:24	0.1	<0.019	9.76	1.10	0.080	2.45		0.005		234	0.52		<0.082	22	5.0	<2.2	<2.2
17454	10-Jul-02	17:00	0.2	0.030	55.1	2.36	1.58	2.32		0.943		428	0.79		0.930	56	8.3	2.31	4.00
17455	10-Jul-02	17:10	0.2	0.040	69.9	1.85	2.11	<1.21		1.14		444	0.45		1.00	23	4.8	<2.2	<2.2
17456	10-Jul-02	16:52	0.2	<0.019	23.1	<0.75	0.330	<1.21		0.014		374	<0.12		<0.082	14	4.0	<2.2	<2.2
17457	10-Jul-02	18:06	0.1	0.110	70.4	2.43	1.12	<1.21		0.056		630	0.28		0.130	4	<4	<2.2	<2.2
17449	11-Jul-02	13:00	0.2	0.020	119	1.18	6.89	<1.21		3.51		532	0.76		3.94	<3	<4	2.63	8.57
11060	31-Jul-02	08:17	0.1	0.060	48.0	9.80	0.060	4.30	62	0.023	282	454	0.78	3.6	<0.082	18	4.8	<2.2	
17445	31-Jul-02	12:09	0.2	<0.019	51.0	0.830	<0.018	1.21	95	0.012	231	458	0.47	3.4	<0.082	9	<4	<2.2	
17446	31-Jul-02	07:43	0.2	<0.019	48.0	7.15	<0.018	1.58	19	<0.003	250	362	0.21	2.7	<0.082	8	<4	<2.2	
17454	31-Jul-02	11:09	0.2	0.140	120	3.50	0.730	<1.21	58	1.72	240	528	1.31	6.3	1.79	48	9.0	<2.2	
13691	01-Aug-02	08:29	0.1	<0.019	66.0	3.31	0.030	1.23	55	0.342	259	468	0.47	4.4	0.320	6	<4	<2.2	
17444	01-Aug-02	08:01	0.1	0.040	94.0	1.66	0.570	2.47	64	1.12	259	516	0.68	5.1	1.16	27	5.5	<2.2	
11060	20-Aug-02	11:00	0.5	0.030	50.0	1.08	0.170	2.24		0.096		456	0.50		0.190	10	<4	<2.2	3.50
13691	20-Aug-02	12:23	0.2	0.030	73.4	1.48	0.020	<1.21		0.548		520	0.32		0.640	7	<4	<2.2	<2.2
17444	20-Aug-02	11:00	0.5	0.090	158	0.800	1.24	1.99		1.37		546	0.54		1.60	19	4.8	<2.2	3.80
17445	20-Aug-02	11:53	0.1	<0.019	43.8	<0.75	0.030	<1.21		0.005		436	0.32		<0.082	4	<4	<2.2	<2.2
17446	20-Aug-02	11:00	0.1	0.020	39.3	4.29	0.060	<1.21		<0.003		360	0.36		<0.082	7	<4	<2.2	<2.2
17447	20-Aug-02	11:00	0.2	1.80	130	4.66	3.44	1.74		2.04		922	3.67		2.28	14	4.8	<2.2	5.70
17448	20-Aug-02	12:53	0.1	2.78	176	6.67	2.94	1.91		1.58		968	4.95		1.94	8	7.5	<2.2	<2.2
17450	20-Aug-02	11:15	0.1	0.060	130	1.50	14.9	<1.21		6.87		742	1.31		7.39	<3	<4	<2.2	<2.2
17454	20-Aug-02	11:00	0.5	0.060	113	1.12	1.56	3.61		2.17		540	1.10		2.41	35	7.5	<2.2	3.90
17637	20-Aug-02	11:26	0.1	0.080	49.2	5.66	0.180	6.20		0.006		432	0.48		0.150	38	7.8	<2.2	2.20
17449	21-Aug-02	12:00	0.3	0.440	133	1.88	6.54	<1.21		5.37		488	1.59		5.76	<3	<4	<2.2	4.60
17451	21-Aug-02	12:00	0.2	0.030	123	0.940	7.48	<1.21		4.59		524	1.06		4.94	5	<4	<2.2	<2.2
17454	21-Aug-02	11:00	0.5	0.090	89.5	1.48	1.65	2.09		2.17		556	0.70		2.43	39	8.5	<2.2	4.40
17455	21-Aug-02	12:00	0.2	0.040	113	0.820	4.12	<1.21		3.13		592	0.65		3.28	20	4.3	2.80	4.10
17456	21-Aug-02	12:38	0.2	0.030	19.6	1.13	0.180	<1.21		0.023		352	<0.12		<0.082	15	4.5	<2.2	<2.2
17457	21-Aug-02	12:10	0.1	0.080	119	1.51	0.680	<1.21		0.117		848	<0.12		0.240	8	4.0	<2.2	<2.2

\* Samples were composited from four aliquots collected every six hours over a 24-hour period.

Table E-3. Temperature, Conductivity, and pH from Intensive and 24-hour Surveys

TCEQ Station	Dates	Temp Mean (C)	Temp Max (C)	Temp Min (C)	Cond Mean (uS/cm)	Cond Max (uS/cm)	Cond Min (uS/cm)	pH Mean (SU)	pH Max (SU)	pH Min (SU)
17446	Aug 7-8, 2001	26.3	26.9	25.6	657	665	645	7.4	7.5	7.4
11060	Aug 7-8, 2001	27.2	29.0	25.8	694	709	676	7.3	7.7	7.2
17445	Aug 8-9, 2001	28.9	32.8	26.4	654	670	634	7.8	8.0	7.7
17444	Aug 9-10, 2001	28.3	30.1	26.8	831	838	817	8.0	8.1	7.9
13691	Aug 9-10, 2001	28.4	30.8	26.5	669	688	652	7.5	8.0	7.2
17454	Aug 9-10, 2001	29.1	32.7	26.9	955	960	947	8.5	8.9	8.3
17446	Sep 11-12, 2001	22.6	23.3	21.8	651	668	628	7.4	7.4	7.3
11060	Sep 11-12, 2001	23.1	24.6	22.1	627	637	613	7.7	7.7	7.7
17445	Sep 11-12, 2001	22.9	25.8	20.5	547	567	523	8.0	8.2	7.9
17444	Sep 12-13, 2001	23.4	25.3	21.6	699	754	649	8.1	8.2	8.0
13691	Sep 12-13, 2001	24.2	26.3	22.7	517	525	512	8.3	8.5	8.2
17446	May 7-8, 2002	21.7	22.1	21.5	621	632	594	7.3	7.4	7.3
11060	May 7-8, 2002	23.8	24.8	23.0	467	489	439	7.6	7.8	7.6
17445	May 7-8, 2002	23.7	24.8	22.9	504	531	479	7.9	8.0	7.9
17444	May 15-16, 2002	20.9	22.2	18.2	628	692	610	8.1	8.1	8.0
13691	May 15-16, 2002	21.1	22.8	19.6	583	648	635	8.2	8.3	8.1
17454	May 7-8, 2002	23.3	24.4	22.5	579	613	536	8.0	8.1	8.0
17446	June 12-13, 2002	26.0	26.7	25.1	639	646	627	7.4	7.5	7.4
11060	June 12-13, 2002	27.1	28.4	26.0	694	698	689	7.6	7.8	7.5
17445	June 12-13, 2002	28.0	30.8	25.9	720	730	702	7.9	8.1	7.8
17444	June 12-13, 2002	27.8	29.4	26.3	796	802	788	8.0	8.1	8.0
13691	June 12-13, 2002	28.4	30.0	26.3	721	741	708	8.2	8.3	8.1
17446	July 30-31, 2002	26.1	27.0	25.1	574	589	559	7.4	7.5	7.4
11060	July 30-31, 2002	26.7	27.3	26.1	766	767	764	7.5	7.6	7.5
17445	July 30-31, 2002	27.6	29.6	25.8	696	702	692	7.6	7.7	7.4
17444	Aug 1-2, 2002	28.1	30.1	26.0	880	907	863	8.0	8.1	7.9
13691	Aug 1-2, 2002	29.0	31.6	26.9	783	805	756	8.3	8.6	8.1
17454	July 30-31, 2002	27.7	29.1	26.4	863	900	823	7.8	8.0	7.7

Table E-4. Temperature, Conductivity, pH, and Flow from Model Support Surveys

TCEQ Station	Dates	# of Multiprobe Measurements	Temp Mean (C)	Temp Max (C)	Temp Min (C)	Cond Mean (uS/cm)	Cond Max (uS/cm)	Cond Min (uS/cm)	pH Mean (SU)	pH Max (SU)	pH Min (SU)	Flow <sup>1</sup> (cfs)
17446	July 9-10, 2002	96	26.3	27.2	25.2	623	629	609	7.4	7.5	7.3	0.7
17450	July 9-10, 2002	4	28.3	29.3	27.4	1061	1063	1057	7.9	8.0	7.9	0.078 <sup>2</sup>
11060	July 9-10, 2002	96	28.1	29.6	26.7	628	635	614	7.7	7.9	7.6	2.2
17445	July 9-10, 2002	96	27.9	29.8	25.7	640	653	629	8.0	8.1	7.9	3.2
17456	July 10-11, 2002	96	22.3	23.2	21.6	613	614	609	7.6	7.6	7.5	0.2
17454	July 9-10, 2002	96	28.1	30.1	25.9	689	711	670	8.2	8.3	8.0	8.3
17448	July 9-10, 2002	4	28.1	28.8	26.9	1380	1500	1210	7.7	7.8	7.7	0.34 <sup>2</sup>
17447	July 9-10, 2002	96	27.1	28.0	25.8	1210	1260	1070	7.9	8.0	7.9	0.2
17637	July 9-10, 2002	4	29.4	32.1	27.1	638	660	600	7.8	8.0	7.6	1.6
17444	July 10-11, 2002	96	27.9	29.6	26.3	704	719	681	8.1	8.2	8.1	12.3
17457	July 10-11, 2002	4	25.1	26.1	24.2	1020	1050	998	7.6	7.7	7.6	0.5
17449	July 11-12, 2002	96	28.2	28.6	27.6	714	758	687	7.6	7.7	7.6	3.3 <sup>2</sup>
17452	July 10-11, 2002	4	26.2	29.0	24.4	619	646	600	7.9	8.2	7.8	0.1
17451	July 10-11, 2002	96	28.0	31.2	25.7	847	856	841	8.1	8.5	7.9	3.6
17453	July 10-11, 2002	4	26.1	28.0	23.7	396	402	383	8.0	8.2	7.9	1.9
17455	July 10-11, 2002	96	26.9	28.6	25.5	744	755	732	7.9	8.1	7.9	6.9
13691	July 9-10, 2002	4	28.8	30.6	26.7	603	613	597	8.2	8.3	8.0	10.4
17446	August 20-21, 2002	96	26.4	27.1	25.6	643	649	634	7.7	8.3	7.6	0.6
17450	August 20-21, 2002	4	27.9	29.0	26.9	1220	1230	1210	8.2	8.3	8.2	0.064 <sup>2</sup>
11060	August 20-21, 2002	96	26.9	27.4	26.2	757	761	749	7.7	7.8	7.6	0.4
17445	August 20-21, 2002	4	27.7	29.6	26.2	710	715	707	8.0	8.1	8.0	0.3
17454	August 21-22, 2002	4	27.8	29.3	26.4	931	934	926	8.1	8.2	8.0	1.2
17448	August 20-21, 2002	4	28.4	29.4	27.2	1620	1780	1500	7.9	7.9	7.8	0.34 <sup>2</sup>
17447	August 20-21, 2002	3	27.2	27.9	26.7	1370	1440	1270	8.0	8.1	8.0	0.4
17444	August 20-21, 2002	96	27.7	29.1	26.0	894	919	850	8.0	8.2	7.9	2.2
17457	August 21-22, 2002	4	26.0	26.5	25.2	1340	1400	1280	7.8	7.8	7.7	0.04
17449	August 21-22, 2002	6	29.0	29.5	28.6	872	884	858	7.6	7.8	7.6	3.3 <sup>2</sup>
17455	August 21-22, 2002	4	26.9	28.2	25.8	985	1023	968	8.0	8.1	7.9	1.3

Table E-4 continued on next page

Table E-4. Temperature, Conductivity, pH, and Flow from Model Support Surveys

TCEQ Station	Dates	# of Multiprobe Measurements	Temp Mean (C)	Temp Max (C)	Temp Min (C)	Cond Mean (uS/cm)	Cond Max (uS/cm)	Cond Min (uS/cm)	pH Mean (SU)	pH Max (SU)	pH Min (SU)	Flow <sup>1</sup> (cfs)
17451	August 21-22, 2002	4	28.2	30.8	26.3	907	911	902	8.1	8.5	7.9	1.7
17456	August 21-22, 2002	4	24.4	25.1	23.8	530	600	328	7.6	7.7	7.6	0.1
13691	August 20-21, 2002	4	28.9	30.2	27.3	865	870	859	8.6	8.8	8.4	1.3
17637	August 20-21, 2002	4	27.7	29.0	26.3	688	699	682	7.9	7.9	7.8	0.3

<sup>1</sup> Flow values represent one instantaneous flow measurement made during the 24-hour deployment period, except as noted.

<sup>2</sup> Flow based on self-reporting average discharge for wastewater treatment plant