

TABLE 18

TNRCC Segment 1803
 TNRCC Station 13657
 Station Number 18** Sandies Creek near Westhoff, Texas
 Latitude 29/13/12 Longitude 97/27/00

**Station 18 was moved to a new location on Sandies Creek to utilize the USGS gaging station for flow beginning in December 1999.

Parameter	Parameter Code	Date and 24 hour time											
		12/15/99	1/17/00	2/15/00	3/14/00	4/24/00	5/29/00	6/19/00	7/19/00	8/29/00	9/19/00	10/30/00	11/20/00
Flow (cfs)		5.5	4.2	3.5	110	5.8	6	19	2.1	2.7	3.9	6.7	3540
Fecal Coliform(org/100mL)	31616	700	1300	325	13800	120	222	100	96	460	412	300	9000
Suspended Solids(mg/L)	530	20.4	66.9	100	510	56.2	38.5	34.6	16	27.4	43.4	62.8	47
Turbidity(NTU)	82079	38	84	625	71	47	70	46	16	45	68	66	58
pH	400	7.77	7.94	7.99	8.33	8.12	8.51	8.36	8.01	8.08	8.32	7.86	7.3
Temperature(C)	10	10.9	18.15	20.27	17.21	24.59	28.63	29.15	28.93	28.37	24.3	24.84	10.45
Dissolved Oxygen(mg/L)	300	9.35	6.22	7.35	9.35	6.63	4.35	5.25	4.72	3.82	1.89	5.42	12.04
Conductivity(umhos/cm)	94	2224	1156	1399	519	1604	778	525	1836	2317	2489	1766	112
Total Phosphorus(mg/L)	665	0.46	0.628	0.495	0.698	0.379	0.72	0.78	0.45	1.14	1.26	0.97	0.44
Nitrate-N(mg/L)	620	0.186	1.03	0.363	0.81	0.47	0.71	0.359	0.13	0.09	0.431	0.46	0.51
Chloride(mg/L)	940	472	184	226	79.2	264	74	75.2	349	345	578	307	7.1
Sulfate(mg/L)	945	26.2	17.4	88	<1	52	4.8	13	67.6	26.7	<1	9.8	1.9
Total Hardness(mg/L)	900	148	84	147	85.8	176	127	113	159	197	159	124	45.4
Ammonia-N(mg/L)	610	0.11		0.21		0.27		0.24		0.18		0.15	
E. coli(org/100mL)	31648	625	600	300	11400	100	222	100	68	147	75	175	2600
Chlorophyll a(mg/m ³)	32211	5.3	2.7	5.9	<1	17.6	7.5	<1	10.1	21.9	29.6	22.7	<1
Ortho Phosphorus(mg/L)	660												
Total Dissolved Solids(mg/L)	70300												

Parameter	Parameter Code	Date and 24 hour time											
		12/11/00	1/23/01	2/20/01	3/13/01	4/16/01	5/14/01	6/25/01	7/10/01	8/14/01	9/10/01	10/16/01	11/13/01
Flow (cfs)		14	153	19	69	17	15	24	1.9	0.91	417	39	7.1
Fecal Coliform(org/100mL)	31616	124	1200	370	335	127	220	3200	60	4	300	1520	480
Suspended Solids(mg/L)	530	13.1	42	43.6	101	46	59.6	223	34.3	12.2	66.3	78.4	38.8
Turbidity(NTU)	82079	20.5	60	32	63	26	51	88	32	10	22	70	27
pH	400	7.96	8.44	7.87	8.16	8.19	8.06	8.06	8.06	7.1	8.61	7.53	8.04
Temperature(C)	10	16.59	8.97	17.45	17.86	20.68	25.14	27.12	30.4	27.78	26.84	19.49	20.78
Dissolved Oxygen(mg/L)	300	8.49	13.5	10.09	9.3	8.98	7.82	6.2	5.7	3.47	5.27	7.64	8.08
Conductivity(umhos/cm)	94	893	287	1387	544	1418	756	954	1644	1616	356	930	1492
Total Phosphorus(mg/L)	665	0.26	0.41	0.31	0.18	0.42	0.52	0.64	0.64	0.38	0.68	0.38	0.35
Nitrate-N(mg/L)	620	0.21	0.42	0.27	0.57	0.29	0.76	0.98	0.34	0.03	0.22	1.27	0.02
Chloride(mg/L)	940	145	34.8	268	74.6	298	111	135	138	277	38.6	143	253
Sulfate(mg/L)	945	94	2.6	103	66.6	141	64.6	6	56	51	2.2	73.2	111
Total Hardness(mg/L)	900	177	76.8	208	105	389	112	138	107	119	138	93	249
Ammonia-N(mg/L)	610	0.19		0.03		0.03		0.07		0.03		0.07	
E. coli(org/100mL)	31648	88	1100	340	238	60	110	1400	60	4	120	1300	170
Chlorophyll a(mg/m ³)	32211	<1	<1	8.3	2.1	9.6	6.9	20.3	11.2	4.5	8.8	10.1	1.6
Ortho Phosphorus(mg/L)	660												
Total Dissolved Solids(mg/L)	70300												

Parameter	Parameter Code	Date and 24 hour time											
		12/19/01	1/21/02	2/19/02	3/19/02	4/25/02	5/20/02	6/12/02	7/22/02	8/12/02	9/24/02	10/21/02	11/11/02
Flow (cfs)		55	10	13	14	11	4.1	5.4	64	6.1	27	8.4	134
E. coli(org/100mL)	31699	178**	93	226	104	57	34	47	220	12	37	58	261
Suspended Solids(mg/L)	530	38.2	20.8	29.4	24.2	52	21.5	62.7	45.1	16.7	52.6	26.9	43.9
Turbidity(NTU)	82079	47	14	15	18	23	15	26	41	23	64	42	35
pH	400	7.78	8.11	8.05	8.02	7.73	7.88	8.23	7.65	7.63	7.88	7.92	7.74
Temperature(C)	10	13.68	13.69	16.17	21.15	26.64	21.79	29.19	29.1	28.9	24	20.5	19.2
Dissolved Oxygen(mg/L)	300	9.11	11.57	9.17	7.85	5.51	7.18	8.24	4.67	6.7	6.78	5.86	8.06
Conductivity(umhos/cm)	94	379	1342	1645	1671	1147	1448	3616	405	1055	465	1369	472
Total Phosphorus(mg/L)	665	0.51	0.19	0.23	0.22	0.31	0.25	0.7	0.46	0.4	0.45	0.32	0.16
Nitrate-N(mg/L)	620	0.45	0.21	0.06	0.06	0.5	0.09	<0.02	0.14	<0.02	0.41	0.08	0.02
Chloride(mg/L)	940	55	52.8	258	172	158	163	576	46	161	60.6	226	52.1
Sulfate(mg/L)	945	13.3	134	143	128	103	89.2	37.8	20.2	63.1	25.8	49.7	54.3
Total Hardness(mg/L)	900	243	245	294	276	182	218	200	77.8	186	90	143	142
Ammonia-N(mg/L)	610	0.07		0.03		0.07		0.06		0.03		0.02	
Chlorophyll a(mg/m ³)	32211	<1	6.5	<1	9.2	5.7	3.7	108	<1	2.4	3.2	<1	<1
Pheophytin(mg/m ³)	32218	15.2	3.3	13.4	9.5	6.4	4.2	4.2	50.4	27.7	14.7	13.4	9.45

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

TABLE 18 (cont.)

TCEO Segment 1803
 TCEO Station 13657
 Station Number 18 Sandies Creek near Westhoff, Texas
 Latitude 29/13/12 Longitude 97/27/00

Parameter	Date and 24 hour time												
	Parameter Code	12/19/02 1415	1/8/03 948	2/26/03 948	3/20/03 1515	4/21/03 1117	5/14/03 950	6/24/03 1516	7/28/03 1543	8/19/03 1050	09/11/03 1451	10/07/03 1354	11/05/03 1454
Flow (cfs)		81	55	173	34	22	14	13	14	2	1.8	5.7	5.3
E. coli(org/100mL)	31699	276	305	447	96	299	59	23	43	73	118	1796	44
Suspended Solids(mg/L)	530	36.9	24.5	39.2	24.6	25.3	23.6	25.9	31.9	28.7	39.8	38.5	15.2
Turbidity(NTU)	82079	42	37	48	14	15	16	34	53*	36.1	132	77.7	67.8
pH	400	7.93	8.14	7.6	7.49	7.6	7.42	7.82	7.65	7.81	7.93	7.9	8.06
Temperature(C)	10	17.5	11.4	8.64	19.8	21	25	30.3	28.2	27.2	27.9	24.6	24.1
Dissolved Oxygen(mg/L)	300	8.61	8.14	12.6	9.11	7.2	5.97	5.02	5.78	5.44	5.71	7.16	6.25
Conductivity(umhos/cm)	94	483	748	390	1539	2068	2126	1846	915	1526	1973	1064	1128
Total Phosphorus(mg/L)	665	0.32	0.29	0.3	0.18	0.17	0.38	0.46	0.28	0.14	0.64	0.42	0.62
Nitrate-N(mg/L)	620	0.14	0.14	0.27	0.28	0.31	0.1	0.26	0.26	0.42	0.96	0.28	0.34
Chloride(mg/L)	940	64	94.5	47.8	242	36.8	379	339	127	234	375	148	167
Sulfate(mg/L)	945	46.7	77.7	41.4	178	21.2	151	62.4	34.5	46.7	27	54.7	32
Total Hardness(mg/L)	900	171	147	85.2	318	395	304	183	115	1526	114	120	93
Ammonia-N(mg/L)	610	0.03		0.04		0.08		0.03		0.05		0.05	
Chlorophyll a(mg/m ³)	32211	2.14	1.74	<1	4	4.67	4.36	7.4	<1	<1	17	2	<1
Pheophytin(mg/m ³)	32218	6.27	2.38	6.57	1.23	5.42	5.73	2.5	19	3.2	2.3	<1	2.2

* Estimated value. Test was administered outside of hold time.

Parameter	Date and 24 hour time												
	Parameter Code	12/03/03 1421	01/13/04 1507	02/17/04 1510	03/05/04 1450	04/14/04 1416	05/19/04 1444	06/17/04 1517	7/15/04 1512	8/10/04 1425	9/14/04 1450	10/18/04 1517	11/5/04 1535
Flow (cfs)		12	9.3	24	25	122	136	133	18	6.1	3.2	117	82
E. coli(org/100mL)	31699	134	117	727	485	212	252	668	272	86	1986	450	564
Suspended Solids(mg/L)	530	22	19.4	47.5	47.6	92.4	120	93.9	23.2	24.5	71.1	67	90.5
Turbidity(NTU)	82079	36.1	29.4	102	108	178	90.7	114	32.7	35.6	105	105	76.3
pH	400	7.98	8.06	8.03	8.01	7.88	7.67	7.81	7.64	7.63	7.7	7.56	7.72
Temperature(C)	10	16.6	13.9	13.5	20.7	16.7	26.4	26.7	27.9	27.5	26.9	24.1	16.7
Dissolved Oxygen(mg/L)	300	7.6	11.2	7.52	7.12	8.89	5.43	5.32	6.21	5.43	9.44	6.73	9.59
Conductivity(umhos/cm)	94	2087	1914	1051	1113	729	341	381	1020	1025	1143	392	470
Total Phosphorus(mg/L)	665	0.47	0.29	0.4	0.35	0.51	0.57	0.54	0.38	0.43	0.49	0.59	0.53
Nitrate-N(mg/L)	620	0.36	0.24	0.44	0.52	0.3	0.46	0.51	0.72	0.1	0.31	0.49	0.36
Chloride(mg/L)	940	347	309	154	153	98.5	40.8	52.3	122	135	191	45.3	54.5
Sulfate(mg/L)	945	48.9	68.2	49.6	79.7	45.5	21.1	32.4	64	65.4	39.1	29.6	32.1
Total Hardness(mg/L)	900	149	160	105	147	120	70.5	68	173	151	116	71.5	80
Ammonia-N(mg/L)	610	0.05		0.07		0.09		0.05		0.06		0.06	
Chlorophyll a(mg/m ³)	32211	<5.0	<5.0	8.1	<5.0	<5.0	<5.0	<5.0	5.2	3.2	3.6	2.6	<1
Pheophytin(mg/m ³)	32218	<3.0	<3.0	<3.0	5.9	6.4	3.7	3.6	<3	<3	6	<3	<3

Parameter	Date and 24 hour time												
	Parameter Code	12/6/04 1601	1/11/05 1415	2/7/05 1455	3/2/05 1459	4/5/05 1519	5/3/05 1406	6/7/05 1516	7/7/05 1441	8/1/05 1520	9/9/05 1555	10/7/05 938	11/2/05 1539
Flow (cfs)		38	19	127	307	14	2.2	13	0.4	4.4	2.7	2.3	1.5
E. coli(org/100mL)	31699	364	252	776	3684	261	64	53	35	88	220	460	140
Suspended Solids(mg/L)	530	70	26.5	40.1	83.8	19.5	19.8	24.8	17.4	18.3	68.7	31	19
Turbidity(NTU)	82079	73.4	17.4	72.6	114	23.2	14.8	55	10.1	30.2	59.7	48	25
pH	400	7.8	7.78	7.84	7.7	7.63	7.86	7.49	7.77	8.17	8.12	7.7	8.08
Temperature(C)	10	16.5	19.1	13.1	16.2	20.2	20.3	29.4	29.3	27.8	27	21.9	16
Dissolved Oxygen(mg/L)	300	10.8	8.76	10.1	9.53	7.84	9.21	4.72	3.67	9.23	6.4	1.3	5.41
Conductivity(umhos/cm)	94	721	1823	455	495	1443	2032	685	1562	2001	3148	1675	1610
Total Phosphorus(mg/L)	665	0.38	0.29	0.3	0.44	0.23	0.18	0.66	0.34	0.34	0.58	0.26	0.18
Nitrate-N(mg/L)	620	0.28	0.11	0.57	0.26	0.33	0.17	0.46	0.12	0.12	<0.02	<0.02	0.04
Chloride(mg/L)	940	89.7	327	49.9	61.3	239	342	98.5	264	311	676	292	249
Sulfate(mg/L)	945	72.3	152	41.5	44.6	142	154	34.3	75.3	48.1	29.8	37.6	45.3
Total Hardness(mg/L)	900	150	270	91.5	96.5	290	310	100	212	168	167	136	154
Ammonia-N(mg/L)	610	0.03		0.14		0.1		0.11		0.02		0.03	
Chlorophyll a(mg/m ³)	32211	<1	4.5	2.1	8.3	6.7	7.3	1.8	3.9	21.1	125	15.6	2.6
Pheophytin(mg/m ³)	32218	<3	<3	<3	<3	<3	<3	<3	<3	3.4	6.6	1.9	<1

TABLE 18 (cont.)

TCEO Segment 1803
TCEO Station 13657
Station Number 18 Sandies Creek near Westhoff, Texas
Latitude 29/13/12 Longitude 97/27/00

Parameter	Date and 24 hour time												
	Parameter Code	12/07/05 1453	1/04/06 1523	2/02/06 1542	3/03/06 1638	4/05/06 1658	5/02/06 1519	6/07/06 1530	7/12/06 1554	8/10/06 1426	9/06/06 1513	10/12/06 1548	11/1/06 1600
Flow (cfs)		3.1	3	4.4	5.5	4.9	2	3	2.5	0.16	0.3	0.93	2.4
E. coli(org/100mL)	31699	65	250	470	870	770	140	210	610	190	620	140	140
Suspended Solids(mg/L)	530	36	56	102	58.5	50.7	27.7	59	107	30.7	34.7	47.7	87
Turbidity(NTU)	82079	53.6	66.6	102	104	120	156	88.3	248	154	264	214	124
pH	400	7.95	8.1	8.17	8.29	8.26	8.29	8.61	7.8	7.72	7.83	7.89	8.03
Temperature(C)	10	12.6	17	16.7	21.6	25.2	24.5	28	29.9	26.9	23.2	24.7	20
Dissolved Oxygen(mg/L)	300	6.61	7.17	7.94	7.6	7.14	4.01	10.4	4.53	0.78	1.18	4.63	5.34
Conductivity(umhos/cm)	94	2294	2500	2641	2382	3148	2480	2959	978	374	2213	1118	1865
Total Phosphorus(mg/L)	665	0.31	0.27	0.38	0.36	0.15	0.78	1.4	0.82	0.06	1.33	0.59	0.44
Nitrate-N(mg/L)	620	0.02	0.05	0.09	0.05	0.17	0.12	<0.02	0.66	0.02	0.07	0.19	0.07
Chloride(mg/L)	940	430	474	508	412	672	399	577	131	194	410	174	318
Sulfate(mg/L)	945	36.9	48.6	52.4	52.6	40.2	31.4	56.4	36.3	38.2	23.2	29.9	39.4
Total Hardness(mg/L)	900	168	174	145	104	86.1	112	130	84	98.5	144	76.5	95.5
Ammonia-N(mg/L)	610	0.05		0.08		0.02		0.02		0.07		0.04	
Chlorophyll a(mg/m ³)	32211	4.4	9.6	21.5	20.6	29	30.1	105	20.3	21.9	18.6	12.9	5.4
Pheophytin(mg/m ³)	32218	3	6.8	5.9	2.5	6.6	8.4	14.2	4.2	1.3	1.7	2.2	3.7

Parameter	Date and 24 hour time												
	Parameter Code	12/5/06 1523	1/09/07 1611	2/06/07 1526	3/06/07 1531	4/03/07 1528	5/08/07 1506	6/12/07 1506	7/11/07 1403	8/07/07 1457	9/13/07 1449	10/12/07 1420	11/13/07 1424
Flow (cfs)	00061	3.3	31	5	3	1890	74	8.9	248	69	16	6.8	5.2
E. coli(org/100mL)	31699	120	410	390	320	280	550	54	110	160	100	72	46
Suspended Solids(mg/L)	00530	17	85.3	80	33.3	30.7	70	32.3	46	80.5	16	15	18
Turbidity(NTU)	82079	86.1	159	94.6	37.5	61.2	42.4	29.8	37.3	49.9	23.9	10.3	19.2
pH	00400	8.23	7.83	7.92	7.99	7.38	7.44	7.99	7.29	7.45	7.62	7.75	7.62
Temperature(C)	00010	10.5	11.9	13.6	14.8	23.9	25.3	28.7	28.6	28.5	26.5	24.2	21.5
Dissolved Oxygen(mg/L)	00300	8.02	9.46	11.3	11.8	5.01	7.34	11.8	5.24	5.51	5.95	8.46	4.94
Conductivity(umhos/cm)	00094	2786	511	592	1330	212	715	1781	293	616	1024	1628	1561
Total Phosphorus(mg/L)	00665	0.39	0.49	0.35	0.46	0.42	0.1	0.14	0.46	0.39	0.41	0.27	0.38
Nitrate-N(mg/L)	00620	0.03	1.05	0.63	0.04	0.21	0.4	0.22	0.17	0.4	0.25	0.96	<0.05
Chloride(mg/L)	00940	504	56.5	67.1	185	11.8	83	283	26.4	84	148	305	253
Sulfate(mg/L)	00945	35.9	31.4	34.9	106	12	79.5	78.6	23.7	61.3	94.7	135	130
Total Hardness(mg/L)	00900	128	55	79	161	46.8	170	226	89	103	219	276	235
Ammonia-N(mg/L)	00610	0.03		0.02		0.07		0.02		0.06		<0.1	
Chlorophyll a(mg/m ³)	32211	2.9	2.3	16.6	9.1	2.9	3.3	43.1	4	3.5	1.7	2.8	1.8
Pheophytin(mg/m ³)	32218	1.1	<1	<1	<1	<1	<1	2.9	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625											0.9	

Parameter	Date and 24 hour time												
	Parameter Code	12/11/07 1523	1/08/08 1524	2/13/08 1523	3/17/08 1500	4/11/08 1252	5/5/08 1429	6/12/08 1451	7/01/08 1550	8/4/08 1515	9/10/08 1443	10/08/08 1502	11/10/08 1430
Flow (cfs)	00061	8.6	9.7	10	15	8.4	8.8	3.4	1.1	2.35	0.13	0.05	1.7
E. coli(org/100mL)	31699	310	520	180	210	55	140	20	61	140	140	120	34
Suspended Solids(mg/L)	00530	68	17.3	20.3	56	72.7	19.5	10	9.3	20.3	12	21	8
Turbidity(NTU)	82079	36.5	14.5	15	49.5	33	40.8	12.8	9.95	80.4	107	71	134
pH	00400	7.65	7.9	8.1	8.1	7.9	7.6	7.8	8	8.2	7.8	8.1	7.9
Temperature(C)	00010	19.1	19.1	16.3	20.3	23.2	23.2	28	26.9	29.4	27.7	22.2	18.3
Dissolved Oxygen(mg/L)	00300	5.67	8.7	10.9	8	6.4	5	3.5	8.8	8.9	3.7	3.1	1.2
Conductivity(umhos/cm)	00094	1230	1658	1920	756	1990	1100	1845	1190	3180	1360	2470	2770
Total Phosphorus(mg/L)	00665	0.41	0.21	0.27	0.37	0.5	0.42	0.61	0.44	1	0.44	0.86	0.83
Nitrate-N(mg/L)	00620	0.12	0.14	0.22	0.16	0.41	0.32	0.09	0.26	0.41	0.3	<0.05	0.56
Chloride(mg/L)	00940	132	262	366	276	303	165	283	313	494	216	371	505
Sulfate(mg/L)	00945	96.4	121	140	116	106	70.5	77.2	72.4	38.7	33	40.1	32.9
Total Hardness(mg/L)	00900	220	252	274	215	236	137	183	178	134	113	116	96.4
Ammonia-N(mg/L)	00610	0.13		<0.1		0.17		0.11		0.12		<0.10	
Chlorophyll a(mg/m ³)	32211	4.2	2.7	3.4	8	2	1.2	1.7	1.3	81.3	9.9	31.9	4.4
Pheophytin(mg/m ³)	32218	1.5	<1	1.5	3.6	1.9	<1	<1	<1	8.9	2.6	2.8	2.9
Total Kjeldahl Nitrogen (mg/L)	00625	1.28		0.69		1.20		0.79		1.88		1.27	

TABLE 18 (cont.)

TCEQ Segment 1803
 TCEQ Station 13657
 Station Number 18 Sandies Creek near Westhoff, Texas
 Latitude 29/13/12 Longitude 97/27/00

Parameter	Date and 24 hour time												
	Parameter Code	12/10/08	1/06/09	2/03/09	3/11/09	4/13/09	5/06/09	6/02/09	7/08/09	8/11/09	9/09/09	10/12/09	11/10/09
Flow (cfs)	00061	3.4	1.8	2.5	2.6	3.3	9.2	6.3	2.8	0	0.6	158	36
E. coli(org/100mL)	31699	900	1060	1160	380	400	96	160	180	9	410	370	1940
Suspended Solids(mg/L)	00530	52	23	20	36	33	23.3	28	48	15	22	82	126
Turbidity(NTU)	82079	152	89.3	119	172	208	48.5	76.1	179	30.8	223	92.5	138
pH	00400	8.2	8.2	8.5	8.2	8.3	7.3	7.6	8.5	8	8	7.6	7.5
Temperature(C)	00010	12.1	11.5	11.6	20.8	21.3	26.8	27.8	31	29.7	26	19.3	20.2
Dissolved Oxygen(mg/L)	00300	4.7	8.1	10.9	4.2	7.1	3.5	5.7	3.1	5.1	2.7	7.8	8.8
Conductivity(umhos/cm)	00094	3070	2390	2870	2490	2890	670	588	3590	1390	2350	309	542
Total Phosphorus(mg/L)	00665	0.82	0.44	0.42	0.39	0.77	0.62	0.6	1.59	0.26	0.99	0.44	0.57
Nitrate-N(mg/L)	00620	0.44	0.09	<0.05	0.07	0.2	0.21	0.37	0.34	0.32	0.3	0.22	<0.05
Chloride(mg/L)	00940	520	375	436	395	534	94	64.4	460	168	111	22.1	79.8
Sulfate(mg/L)	00945	18.1	32.5	37.7	38.8	37.8	42.7	16.4	16.1	40.6	375	17.6	28.3
Total Hardness(mg/L)	00900	100	126	128	120	124	100	72.1	138	90.1	38	66.7	91.8
Ammonia-N(mg/L)	00610	<0.10		0.11		<0.1		<0.1		0.15		0.11	
Chlorophyll a(mg/m ³)	32211	5.1	2.4	9.9	6.5	22.3	6.1	2.5	30.4	8.9	6.7	1.6	1.5
Pheophytin(mg/m ³)	32218	5	3.1	4.1	15.3	7.2	<1	<1	9.6	2.4	3.1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	2.04		1.08		2.36		1.52		0.77		1.71	

Parameter	Date and 24 hour time												
	Parameter Code	12/07/09	1/13/10	2/9/10	3/3/10	4/20/10	5/5/10	6/15/10	7/12/10	8/4/10	9/14/10	10/6/10	11/18/10
Flow (cfs)	00061	63	16	131	28	23	10	19	100	6.1	11	2.8	2.1
E. coli(org/100mL)	31699	580	54	580	230	240	91	250	220	190	320	36	210
Suspended Solids(mg/L)	00530	26	15.7	61.5	30.7	50	41	56.5	65.5	17	48	36.7	17
Turbidity(NTU)	82079	68.8	17.9	88.1	24.7	50.9	27.5	48.5	80.6	67.5	141	47.9	50.4
pH	00400	7.9	7.9	8	8	7.8	7.9	7.7	7.4	7.7	7.7	7.8	7.7
Temperature(C)	00010	9.9	9.3	12.7	15	20.6	24.8	30	29.7	30.5	29.2	19.9	15.2
Dissolved Oxygen(mg/L)	00300	12.1	13	10.7	11.5	7.1	9.6	5.9	7.4	11.1	4.7	6.7	5.6
Conductivity(umhos/cm)	00094	428	1520	357	1540	1710	1740	764	365	595	810	1040	1320
Total Phosphorus(mg/L)	00665	0.23	0.13	0.4	0.18	0.31	0.26	0.39	0.76	0.46	0.78	0.4	0.37
Nitrate-N(mg/L)	00620	0.31	0.21	0.51	0.2	0.45	0.22	0.37	0.31	0.31	0.3	0.14	<0.05
Chloride(mg/L)	00940	47.7	233	31.1	238	270	251	100	46.6	89.3	94.6	152	197
Sulfate(mg/L)	00945	50.6	193	26.3	145	121	166	63.8	18.8	32	31.4	41.2	52.8
Total Hardness(mg/L)	00900	101	307	85	281	235	331	166	118	87.7	82.5	144	183
Ammonia-N(mg/L)	00610	0.12		0.11		0.19		0.16		0.16		0.12	
Chlorophyll a(mg/m ³)	32211	1.5	6	4.4	9.7	6.7	9.2	2.9	1.8	6.4	1.4	1.9	1.7
Pheophytin(mg/m ³)	32218	<1	<1	1.4	1.7	2.5	4	3.1	1.6	6.5	1.2	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	1.29		1.55		1.13		1.13		1.17		0.99	

Parameter	Date and 24 hour time												
	Parameter Code	12/11/10	1/3/11	2/9/11	3/2/11	4/4/11	5/24/11	6/6/11	7/11/11	8/2/11	9/14/11	10/17/11	11/8/11
Flow (cfs)	00061	1.8	3.7	5.1	5.5	3.4	1.8	1.6	0.4	0.6	0.4	0.5	0.8
E. coli(org/100mL)	31699	110	290	290	340	180	87	55	82	66	55	350	1410
Suspended Solids(mg/L)	00530	10.4	14.4	16.3	27.7	23.8	28.5	18	22	38.7	25	51	16.5
Turbidity(NTU)	82079	22.2	41.8	34.1	28.5	24.6	53.5	38.1	152	54.3	27.1	250	199
pH	00400	7.9	8.1	7.8	8.1	7.9	8.2	8.3	7.9	8.2	8	7.9	8.2
Temperature(C)	00010	12.5	10.6	10	18.7	23.7	27.9	26.7	27.2	30.4	27.9	23.8	22
Dissolved Oxygen(mg/L)	00300	6.4	9	9.5	8.9	5.1	3.1	3.6	0.9	3.6	4.3	4.1	1.4
Conductivity(umhos/cm)	00094	1540	2000	1230	1650	1930	2000	2150	1660	1710	1500	2200	2980
Total Phosphorus(mg/L)	00665	0.47	0.46	0.24	0.31	0.47	1.43	0.31	0.3	0.48	0.15	1.09	0.87
Nitrate-N(mg/L)	00620	0.19	0.18	0.11	<0.05	0.19	0.48	0.42	0.23	0.38	0.48	0.28	<0.05
Chloride(mg/L)	00940	234	338	182	293	340	311	297	244	224	160	389	496
Sulfate(mg/L)	00945	54.1	71.5	85.2	98.2	86.2	54.9	41.8	34.9	35.9	44.7	23.5	29.2
Total Hardness(mg/L)	00900	196	184	195	8.9	226	158	131	107	107	103	78.6	95.9
Ammonia-N(mg/L)	00610	0.12		0.16		0.32		<0.1		0.15	0.13		0.15
Chlorophyll a(mg/m ³)	32211	<1	1.9	2.6	2.4	5.8	29.5	23.5	20.7	9	2.3	11.2	11.3
Pheophytin(mg/m ³)	32218	<1	<1	1.2	1.5	4.2	4.3	2.9	2.6	2.2	<1	2.1	2.9
Total Kjeldahl Nitrogen (mg/L)	00625	0.78		0.75		0.88		1.27		1.52	<0.76		2.32

TABLE 18 (cont.)

TCEO Segment 1803
 TCEO Station 13657
 Station Number 18 Sandies Creek near Westhoff, Texas
 Latitude 29/13/12 Longitude 97/27/00

Parameter	Date and 24 hour time												
	Parameter Code	12/8/11 1425	1/4/2012 1511	2/9/2012 1435	3/7/12 1458	4/11/12 1604	5/3/12 1439	6/12/12 1524	7/12/12 1131	8/15/12 1137	9/6/12 1027	10/15/12 1020	11/13/12 1003
Flow (cfs)	00061	4.6	1.9	7.1	6	8.3	4.1	53	1810	1.2	0.4	1.8	4.6
E. coli(org/100mL)	31699	1040	190	2250	520	120	250	53	9200	61	9	510	>2400
Suspended Solids(mg/L)	00530	82.7	33.5	37.3	67.6	57.5	30.5	21.1	766	17	17.5	12.8	15.4
Turbidity(NTU)	82079	144	222	259	84.1	83.9	33	37.7	511	64.2	17.4	160	150
pH	00400	8.5	7.8	8.1	8	7.5	7.9	7.7	7.5	7.5	7.6	7.3	8.1
Temperature(C)	00010	8.5	11.3	13.6	19	23.5	27.7	30.4	23.4	27.9	26	22.8	15.2
Dissolved Oxygen(mg/L)	00300	9.5	7.5	8.3	7	5.4	5.7	2.7	6.3	2.4	1.8	1.2	4.2
Conductivity(umhos/cm)	00094	6410	1280	1110	918	883	1690	953	165	1960	1640	1080	3900
Total Phosphorus(mg/L)	00665	0.6	0.67	0.56	0.3	0.61	0.44	0.43	0.58	0.61	0.34	0.78	0.65
Nitrate-N(mg/L)	00620	0.7	0.44	0.39	0.15	0.2	<0.05	<0.05	0.59	0.28	0.33	0.1	0.65
Chloride(mg/L)	00940	1455	166	156	126	138	279	127	4.65	412	255	173	752
Sulfate(mg/L)	00945	13.9	36.9	26	77.2	40.2	54.2	25.2	3.48	17.6	33.1	19.6	9.15
Total Hardness(mg/L)	00900	103	89.3	98	152	120	167	119	118	110	107	86.4	112
Ammonia-N(mg/L)	00610		0.27		0.27		0.29		0.3		0.17		0.16
Chlorophyll a(mg/m ³)	32211	10.5	<1.0	4.6	31.2	9.3	16.7	24.9	<1	7.3	12.6	<1	2.18
Pheophytin(mg/m ³)	32218	3.1	<1.0	4.3	9.4	<1	18.5	15.7	2.9	3.2	6.91	6.96	21.3
Total Kjeldahl Nitrogen (mg/L)	00625	5.60	2.25	1.36	1.08	1.67	1.32	1.50	2.00	1.41	0.92	0.21	<0.2

Parameter	Date and 24 hour time												
	Parameter Code	12/19/12 951	1/9/13 1020	2/11/13 1006	3/18/13 1003	4/15/13 1000	5/15/13 1029	6/4/13 1012	7/8/2013 1035	8/8/13 1101	9/11/13 1047	10/7/13 1019	11/13/13 948
Flow (cfs)	00061	5.3	11	4	2.3	2.4	2.1	5.4	0.5	0.2	0.2	6.4	1.9
E. coli(org/100mL)	31699	1320	>24000	1200	140	240	480	220	50	15	1170	>4800	460
Suspended Solids(mg/L)	00530	24.8	284	42.2	21.4	14.6	63.4	102	31.1	10	18.8	424	15.4
Turbidity(NTU)	82079	97.9	239	93.2	40	113	229	188	31.5	42.1	157	468	105
pH	00400	7.9	8.2	7.9	7.9	8.1	7.7	7.9	7.9	8.1	8.2	7.4	7.6
Temperature(C)	00010	16.1	12.7	16.3	21.4	22	23.4	25.6	26.3	28.5	25.5	18.9	13.3
Dissolved Oxygen(mg/L)	00300	5.5	8.7	6.2	3.8	3	2.8	1.6	2.2	3	6.3	6.7	4.8
Conductivity(umhos/cm)	00094	2260	1080	1560	2230	3070	1130	1100	1250	1320	1920	339	1040
Total Phosphorus(mg/L)	00665	0.34	0.38	0.28	0.15	0.5	0.86	0.97	0.57	0.51	0.63	0.53	0.42
Nitrate-N(mg/L)	00620	0.28	0.47	0.11	0.25	0.28	0.25	0.1	0.24	0.34	0.15	0.5	0.17
Chloride(mg/L)	00940	401	167	286	457	630	36.9	145	134	218	213	41	161
Sulfate(mg/L)	00945	23.5	22.5	32.3	34.3	38.3	31.7	16.1	41.4	30.7	36.5	12.2	29.8
Total Hardness(mg/L)	00900	109	90	114	137	129	90	97.2	96.6	84.4	89.6	77.8	118
Ammonia-N(mg/L)	00610		0.13		0.48		0.28		0.2		0.24		<0.1
Chlorophyll a(mg/m ³)	32211	2.22	6.94	3.2	6.7	5.87	2.67	136	24.5	18.2	19.2	6.41	4.01
Pheophytin(mg/m ³)	32218	8.93	7.26	1.87	4.5	4.45	3.87	16	7.97	4.4	5.01	<1	1.37
Total Kjeldahl Nitrogen (mg/L)	00625	1.34	1.61	1.01	1.05	1.61	0.75	1.86	1.02	0.81	1.16		1.40

Parameter	Date and 24 hour time												
	Parameter Code	12/3/13 1020	1/16/14 955	2/6/14 949	3/12/14 1011	4/14/14 1053	5/7/14 944	6/12/14 1038	7/7/14 1020	8/11/14 1222	9/4/14 1021	10/8/14 1023	11/12/14 936
Flow (cfs)	00061	3.1	3.3	1.8	55	2.1	1.4	2.1	76	3.9	3.9	4.6	1.3
E. coli(org/100mL)	31699	240	150	410	3200	690	650	190	770	48	84	1300	1000
Suspended Solids(mg/L)	00530	7.6	8.60	6.20	28.9	35.6	22.0	11.1	106	19.0	12.0	71.7	48.9
Turbidity(NTU)	82079	34.9	70.0	57.4	254	75	48.2	59.7	169	13.4	17.9	292	129
pH	00400	7.8	8.0	7.8	7.7	7.5	7.7	7.4	7.3		8.3	8.0	8.0
Temperature(C)	00010	14.8	9.7	7.6	14.9	20.9	22.0	27.8	26.9		27.2	25.2	12.9
Dissolved Oxygen(mg/L)	00300	6.1	8.5	8.5	7.6	1.8	2.4	3.9	5.6		2.8	7.7	5.5
Conductivity(umhos/cm)	00094	2580	2480	2510	1250	1480	2120	569	483	1250	1210	1690	2020
Total Phosphorus(mg/L)	00665	0.31	0.18	0.16	0.46	0.39	0.30	0.45	0.26	0.22	0.18	1.15	0.36
Nitrate-N(mg/L)	00620	0.46	0.32	0.34	0.26	0.14	0.31	0.079	0.51	<0.05	<0.05	0.08	0.11
Chloride(mg/L)	00940	592	504	440	202	237	431	61.7	62.7	135	136	235	418
Sulfate(mg/L)	00945	30.9	29	38.9	22.6	38.9	40.4	29.1	18.4	36.7	35.5	14.4	18.2
Total Hardness(mg/L)	00900	135	126	125	133	123	129	101	66.0	98.8	99.8	76.0	104
Ammonia-N(mg/L)	00610		<0.10		0.88		0.28		0.36		0.32		0.25
Chlorophyll a(mg/m ³)	32211	7.62	5.22	2.88	---	5.94	8.17	5.82	4.45	5.87	3.42	13.5	12.7
Pheophytin(mg/m ³)	32218	1.24	1.49	1.28	---	2.05	3.01	2.29	<1.0	4.65	<1.0	<1.0	3.38
Total Kjeldahl Nitrogen (mg/L)	00625		1.06		2.74		1.40		1.44		0.64		0.67

TABLE 18 (cont.)

TCEO Segment 1803
 TCEO Station 13657
 Station Number 18 Sandies Creek near Westhoff, Texas
 Latitude 29/13/12 Longitude 97/27/00

Parameter	Date and 24 hour time												
	Parameter Code	12/3/14	1/7/15	2/4/15	3/10/15	4/7/15	5/7/15	6/24/15	7/8/15	8/5/15	9/21/15	10/5/15	11/12/15
Flow (cfs)	00061	0.8	1.1	2.1	403	8.6	20	75	11	0.4	2.3	1.2	25
E. coli(org/100mL)	31699	1400	210	2400	17000	120	24	110	37	20	47	49	550
Suspended Solids(mg/L)	00530	35.6	36.8	26.6	420	43.0	25.0	32.2	19.5	8.30	10.6	12.9	27.5
Turbidity(NTU)	82079	172	199	184	304	68.1	60.4	45.3	18.9	4.7	52.6	19.3	37.9
pH	00400	7.5	7.9	7.7	7.6	7.7	7.7	7.8	7.8	7.7	7.6	7.9	7.6
Temperature(C)	00010	13.1	9.2	10.2	12.5	22.3	26.3	27.0	28.4	28.0	25.4	20.9	20.3
Dissolved Oxygen(mg/L)	00300	2.4	8.7	7.6	8.4	4.8	4.9	8.00	4.9	3.1	1.5	3.2	6.6
Conductivity(umhos/cm)	00094	1990	980	859	535	626	681	456	1040	1570	1360	2200	562
Total Phosphorus(mg/L)	00665	0.12	0.52	0.49	0.59	0.42	0.56	0.35	0.21	0.20	0.76	0.59	0.25
Nitrate-N(mg/L)	00620	<0.05	0.30	0.34	0.24	0.47	0.39	0.50	<0.05	<0.05	<0.05	<0.05	0.30
Chloride(mg/L)	00940	461	185	128	76.5	79.2	90.2	51.4	169	90.0	259	351	65.7
Sulfate(mg/L)	00945	19.0	20.7	30.4	11.5	59.6	40.3	41.8	104	40.6	17.2	19.1	57.1
Total Hardness(mg/L)	00900	87.2	76.8	71.2	93.0	153	158	139	240	280	119	146	110
Ammonia-N(mg/L)	00610		0.25		0.17		0.10	<0.10	<0.10		0.27		<0.10
Chlorophyll a(mg/m ³)	32211	2.46	2.57	1.2	5.34	2.83	9.83	10.2	8.60	1.48	6.47	2.91	2.05
Pheophytin(mg/m ³)	32218	4.47	1.17	<1.0	<1.0	1.28	4.09	4.09	3.44	<1.00	1.98	1.10	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625		1.79		1.94		1.01	1.43	1.28		1.83		1.16

Parameter	Date and 24 hour time												
	Parameter Code	12/8/15	1/6/16	2/9/16	3/2/16	4/11/16	5/4/16	6/9/16	7/13/16	8/9/16	9/6/16	10/5/16	11/17/16
Flow (cfs)	00061	1.9	57	1	19	2.0	2.7	184	1.2	0.2	177	2.6	4.3
E. coli(org/100mL)	31699	260	3100	92	690	48	260	31	40	46	1200	120	520
Suspended Solids(mg/L)	00530	8.2	43.8	9.3	41.1	4.90	31.0	36.4	15.1	16.5	71.4	20.4	25.7
Turbidity(NTU)	82079	66.5	110	23.8	83.4	38.4	102	49.3	15	14.5	105	47.8	66.5
pH	00400	7.4	7.7	7.9	7.5	7.4	7.4	7.3	7.8	7.8	7.4	7.4	7.6
Temperature(C)	00010	12.1	11.0	9.8	18.2	21.1	19.5	27.1	29.0	28.4	27.0	24.3	18.7
Dissolved Oxygen(mg/L)	00300	7.1	9.8	9.4	7.5	5.0	5.4	7.30	4.1	3.7	5.3	5.7	9.6
Conductivity(umhos/cm)	00094	849	676	1250	516	861	795	301	2360	2620	515	774	1470
Total Phosphorus(mg/L)	00665	0.39	0.38	0.13	0.32	0.25	0.58	0.42	0.31	0.32	0.52	0.29	0.37
Nitrate-N(mg/L)	00620	0.16	0.16	<0.05	0.46	0.15	0.32	0.16	0.07	<0.05	0.30	0.12	0.18
Chloride(mg/L)	00940	149	125	216	63.1	113	113	25.5	537	711	73.2	121	240
Sulfate(mg/L)	00945	25.6	26.1	110	47.8	58.6	44.3	20.6	107	76.2	20.4	67.8	84.5
Total Hardness(mg/L)	00900	104	70.2	195	105.0	160	123	77.8	253	239	75.0	142	176
Ammonia-N(mg/L)	00610		<0.10		<0.10		<0.10		<0.10		<0.10	<0.10	<0.10
Chlorophyll a(mg/m ³)	32211	1.48	1.82	4.92	2.36	4.00	3.67	<1.0	2.64	2.22	4.14	1.19	2.14
Pheophytin(mg/m ³)	32218	<1.00	<1.00	1.22	<1.0	<1.0	<1.0	6.41	1.60	<1.0	3.24	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625		1.92		1.28		1.23		0.92		1.35	0.77	0.28

Parameter	Date and 24 hour time												
	Parameter Code	12/15/16	1/10/17	2/27/17	3/16/17	4/18/17	5/11/17	6/8/17	7/19/17	8/17/17	9/19/17	10/4/17	11/2/17
Flow (cfs)	00061	18	8.3	18	323	26	3.33	22.8	0.2	0.2	7.5	25	2.9
E. coli(org/100mL)	31699	410	110	380	270	480	120	340	120	160	73	610	250
Suspended Solids(mg/L)	00530	21.6	15.2	30.0	47.2	31.70	17.4	67.5	27.0	11.6	5.00	34.9	2.50
Turbidity(NTU)	82079	51	18.0	65.5	76.7	52.2	16.4	125	112	18.0	9.4	53.5	5.9
pH	00400	7.5	7.6	7.7	7.6	7.4	7.8	7.6	7.5	8.2	7.7	7.6	7.8
Temperature(C)	00010	14.1	11.9	18.9	17.7	22.3	23.7	25.6	27.6	28.7	27.7	25.7	18.8
Dissolved Oxygen(mg/L)	00300	9.0	9.7	7.6	7.4	10.0	8.0	5.60	2.5	1.6	9.1	5.4	6.5
Conductivity(umhos/cm)	00094	478	1360	841	278	760	1560	461	921	2260	1440	581	1590
Total Phosphorus(mg/L)	00665	0.30	0.18	0.33	0.67	0.31	0.04	0.46	0.54	0.62	0.23	0.35	0.14
Nitrate-N(mg/L)	00620	0.72	<0.05	0.61	0.22	0.69	<0.05	0.31	<0.05	<0.05	0.07	0.22	<0.05
Chloride(mg/L)	00940	57.3	175	109	24.6	122	274	60.9	140	167	260	72.2	268
Sulfate(mg/L)	00945	42.1	101	86.8	20.6	77.7	122	16.0	21.2	17.6	179	38.7	114
Total Hardness(mg/L)	00900	88.2	235	97.7	90.4	139	248	68.1	95.9	146	286.0	95	252
Ammonia-N(mg/L)	00610		<0.10		0.12		<0.10		<0.10		<0.10		<0.10
Chlorophyll a(mg/m ³)	32211	<1.00	2.49	5.61	4.09	5.34	4.51	5.72	15.2	3.26	2.28	1.52	<1.00
Pheophytin(mg/m ³)	32218	<1.00	<1.00	1.36	2.01	3.26	1.41	1.97	1.09	1.06	<1.00	<1.00	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625		0.82		1.64		<0.20		1.49		0.87		0.94

TABLE 18 (cont.)

TCEQ Segment 1803
 TCEQ Station 13657
 Station Number 18 Sandies Creek near Westhoff, Texas
 Latitude 29/13/12 Longitude 97/27/00

Parameter	Date and 24 hour time												
	Parameter Code	12/5/17 948	1/18/18 929	2/19/18 909	3/12/18 1025	4/17/18 1010	5/17/18 947	6/4/18 930	7/2/18 1022	8/2/18 903	9/18/18 1000	10/8/18 940	11/1/18 940
Flow (cfs)	00061	2.4	1.8	5.9	4.7	36	0.4	0.9	1.5	1.8	450	309	580
E. coli(org/100mL)	31699	130	87	410	210	270	390	99	47	20	300	910	>24000
Suspended Solids(mg/L)	00530	3.60	7.60	11.9	16.9	56.9	24.1	26	49	20.40	111.0	127	122
Turbidity(NTU)	82079	7.5	18.6	16.6	38.1	88.6	25.2	32	146	30.7	128	115	213
pH	00400	8.0	8.0	8.2	8	7.6	7.9	8	8	7.8	7.8	7.0	7.2
Temperature(C)	00010	20.4	5.3	19.1	16.2	18.8	25.8	27.9	28.1	25.3	26.6	26	19.7
Dissolved Oxygen(mg/L)	00300	5.1	11.1	6.6	6.7	5.8	3.4	1.40	1.5	2.5	7.1	5.5	6.6
Conductivity(umhos/cm)	00094	2310	1620	2130	1870	962	1720	2200	3620	1060	306	246	188
Total Phosphorus(mg/L)	00665	0.26	0.14	0.13	0.22	0.4	0.31	0.67	1.01	0.43	0.55	0.44	0.42
Nitrate-N(mg/L)	00620	<0.05	<0.10	<0.05	0.16	0.28	<0.05	<0.05	0.05	<0.50	0.19	0.18	0.40
Chloride(mg/L)	00940	385	276	384	319	148	332	0.95	836	118.0	42.5	30.1	15.3
Sulfate(mg/L)	00945	133.0	119	138	107	64.8	96.3	65	29.2	43.8	11	9.4	10.4
Total Hardness(mg/L)	00900	298	234	276	224.0	148	214	164	135	172	33.6	47	62.1
Ammonia-N(mg/L)	00610		<0.10	<0.10	<0.10		<0.10		0.22		1.74		<0.10
Chlorophyll a(mg/m ³)	32211	1.34	1.69	5.31	4.69	2.51	4.84	10.1	28.50	8.19	2.99	4.54	2.88
Pheophytin(mg/m ³)	32218	<1.00	<1.00	1.23	1.66	1.9	3.3	3.35	7.73	3.63	3.66	5.18	2.05
Total Kjeldahl Nitrogen (mg/L)	00625		0.74	0.24	0.98		1.29		0.44		0.55		1.80

Parameter	Date and 24 hour time												
	Parameter Code	12/6/18 1106	1/10/19 932	2/6/19 941	3/14/19 932	4/24/19 905	5/20/19 947	6/6/19 943	7/2/19 952	8/28/19 1031	9/11/19 1027	10/7/19 1020	11/6/19 1119
Flow (cfs)	00061	1.6	9.8	24.3	2.5	22.0	23	37	2.4	0.24	0.1	0.06	1.8
E. coli(org/100mL)	31699	120	370	410	300	520	240	340	300	87	83	<2	630
Suspended Solids(mg/L)	00530	9.9	14.9	22.0	21.8	115.00	52.0	37.2	14	6.3	11.3	14.1	21.5
Turbidity(NTU)	82079	45	37	65	24	110	65	55	26	8.8	9.6	9.4	130
pH	00400	7.4	7.5	7.6	7.9	7.6	7.8	7.3	7.1	7.8	7.5	7.7	7.8
Temperature(C)	00010	14.6	13.2	19	21.9	22	26.5	28.0	27.5	29.3	27.4	26.1	20.9
Dissolved Oxygen(mg/L)	00300	7.5	11.9	9.6	4.5	8.6	7.5	7.30	5.3	3	3.6	4.8	3.5
Conductivity(umhos/cm)	00094	852	1330	1220	1960	1810	627	391	943	776	782	753	2880
Total Phosphorus(mg/L)	00665	0.4	0.28	0.28	0.19	0.537	0.42	0.563	0.395	0.46	0.335	0.47	0.594
Nitrate-N(mg/L)	00620	0.15	0.28	0.41	<0.05	0.362	0.437	0.33	0.05	<0.05	<0.05	<0.05	0.27
Chloride(mg/L)	00940	145	267	230	368	370	85.7	55.6	167	74	75.8	72.4	667
Sulfate(mg/L)	00945	33.9	72.8	76.8	115	97.2	53.3	18.8	49.9	30.7	31.2	31.3	24.4
Total Hardness(mg/L)	00900	119	163	149	236.0	180	135	64.7	136	89.9	86.9	84	82.7
Ammonia-N(mg/L)	00610		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10
Chlorophyll a(mg/m ³)	32211	1.13	<1.00	2.55	9.08	6.07	2.71	4.97	10.30	1.48	2.82	2.28	21.7
Pheophytin(mg/m ³)	32218	<1.00	<1.00	<1.00	2.68	5.51	1.83	1.01	1.45	<1.00	1.77	2.64	8.96
Total Kjeldahl Nitrogen (mg/L)	00625		0.28		1.03		1.52		1.03		0.39		2.70

Parameter	Date and 24 hour time							
	Parameter Code	12/17/19 1000	1/30/20 1006	2/1/20 1020	3/4/20 1045	4/8/20 1414	5/7/20 1436	6/8/20 1055
Flow (cfs)	00061	0.8	0.9	1.2	0.7	33	0.5	1.2
E. coli(org/100mL)	31699	480	1300	400	650	440	2	130
Suspended Solids(mg/L)	00530	8.0	47.1	10.5	98	63.50	22.8	63.7
Turbidity(NTU)	82079	140	170.0	150	140	150	26	140
pH	00400	8.1	8.3	8.5	8.1	7.4	7.8	7.7
Temperature(C)	00010	13	13.6	16.5	20.2	23.2	24.5	28.0
Dissolved Oxygen(mg/L)	00300	11.9	4.1	3.5	3.4	5.8	4.7	3.80
Conductivity(umhos/cm)	00094	1980	3900	3440	3250	1220	824	760
Total Phosphorus(mg/L)	00665	0.80	0.593	0.413	0.302	0.531	0.80	0.598
Nitrate-N(mg/L)	00620	<0.05	0.79	<0.05	<0.10	0.32	<0.10	0.35
Chloride(mg/L)	00940	397	897	773	743	217	84.1	107
Sulfate(mg/L)	00945	29.1	20.3	20.1	26.7	47.9	40.4	50.3
Total Hardness(mg/L)	00900	105	110	103	108.0	95.1	90.6	96.3
Ammonia-N(mg/L)	00610		<0.10		<0.10		<0.10	
Chlorophyll a(mg/m ³)	32211	7.84	31.9	21	70.9	12.80	5.25	15
Pheophytin(mg/m ³)	32218	1.27	5.72	6.5	38.2	7.56	2.22	6.09
Total Kjeldahl Nitrogen (mg/L)	00625		2.24		<2.00		0.77	