

Water-Data Report 2007

02124692 GOOSE CREEK AT FAIRVIEW, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°09'13", long 80°32'07" referenced to North American Datum of 1983, Union County, NC, Hydrologic Unit 03040105, on right bank at downstream side of culvert on U.S. Highway 601, 2.0 mi above Duck Creek and 1.0 mi north of Fairview.

DRAINAGE AREA.--24 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1999 to current year.

REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1935-37(m). WDR NC-03-1B: 2000(M), 2001(M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 472.67 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum peak stage for period of record from crest-stage gage. Minimum discharge for current water year and period of record affected by regulation of unknown origin. No flow also occurred Aug. 12-16, 2002, August 22-27, September 6-15, 2007.

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.1	2.8	15	58	57	94	4.6	3.5	0.59	8.3	1.2	0.13
2	1.3	2.4	10	37	85	1,260	8.9	3.0	0.48	5.5	1.1	0.10
3	1.4	2.4	6.6	15	29	66	5.3	2.9	1.3	2.2	0.98	0.09
4	1.2	2.8	5.9	12	16	31	4.6	2.8	2.5	1.8	0.55	0.08
5	0.79	3.2	5.2	45	12	22	4.1	3.3	1.0	1.7	0.60	0.05
6	0.75	3.3	4.8	147	9.9	18	3.8	3.9	0.60	1.5	0.93	0.02
7	0.91	4.5	4.7	141	9.6	16	3.8	3.7	0.84	1.9	0.41	0.01
8	4.0	33	4.0	276	8.1	13	3.7	2.6	0.69	5.8	0.15	0.00
9	6.6	9.7	3.8	54	7.5	10	3.8	2.1	0.59	1.9	0.10	0.00
10	2.1	5.3	3.8	26	7.0	9.3	3.8	2.3	1.2	1.4	0.14	0.00
11	1.4	3.6	3.8	19	6.3	8.8	4.0	2.1	0.72	1.5	0.11	0.00
12	1.2	67	3.7	14	6.1	8.2	19	1.8	0.73	1.4	0.09	0.00
13	1.7	13	3.6	11	12	7.7	7.2	1.7	0.77	1.3	0.18	0.00
14	1.7	7.1	3.8	10	150	7.5	7.9	1.8	13	1.2	0.58	0.00
15	1.5	7.0	3.5	9.5	27	7.3	94	1.6	12	5.7	0.56	0.01
16	1.6	507	6.6	8.9	15	20	50	1.3	2.4	7.2	0.34	0.11
17	120	39	3.4	7.2	11	18	14	1.2	1.4	2.0	0.17	0.28
18	88	16	3.3	8.0	10	10	9.1	1.1	1.3	1.5	0.06	0.16
19	9.8	9.6	3.1	11	8.2	9.0	9.3	1.1	1.2	1.3	0.03	0.16
20	7.9	7.4	3.1	8.6	7.9	7.7	27	1.2	1.2	1.2	0.02	0.12
21	3.8	170	3.1	10	8.1	7.2	13	1.1	1.3	1.1	0.01	0.15
22	2.9	2,000	102	112	7.5	6.7	9.8	0.71	2.5	1.1	0.00	0.07
23	2.6	114	66	28	6.4	6.5	7.8	0.77	2.1	0.61	0.00	0.04
24	2.6	38	18	17	5.9	6.1	5.4	0.76	1.0	0.97	0.00	0.10
25	2.9	22	293	13	42	5.8	4.9	0.49	139	0.61	0.00	0.05
26	3.2	14	81	9.8	40	5.5	4.5	0.65	104	0.44	0.00	0.11
27	6.7	11	28	8.9	16	5.2	4.4	1.0	7.3	0.21	0.12	0.08
28	84	9.4	24	8.4	11	5.1	4.4	0.83	3.6	25	0.41	0.04
29	11	9.4	18	7.0	---	4.7	4.0	0.60	14	3.5	0.28	0.02
30	5.6	8.9	12	6.5	---	4.8	3.8	0.77	18	1.6	0.30	0.01
31	3.8	---	15	6.2	---	4.6	---	0.59	---	1.3	0.20	---
Total	384.05	3,142.8	761.8	1,145.0	631.5	1,705.7	349.9	53.27	337.31	92.74	9.62	1.99
Mean	12.4	105	24.6	36.9	22.6	55.0	11.7	1.72	11.2	2.99	0.31	0.07
Max	120	2,000	293	276	150	1,260	94	3.9	139	25	1.2	0.28
Min	0.75	2.4	3.1	6.2	5.9	4.6	3.7	0.49	0.48	0.21	0.00	0.00
Cfsm	0.52	4.37	1.02	1.54	0.94	2.29	0.49	0.07	0.47	0.12	0.01	0.00
In.	0.60	4.87	1.18	1.77	0.98	2.64	0.54	0.08	0.52	0.14	0.01	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2007, BY WATER YEAR (WY)

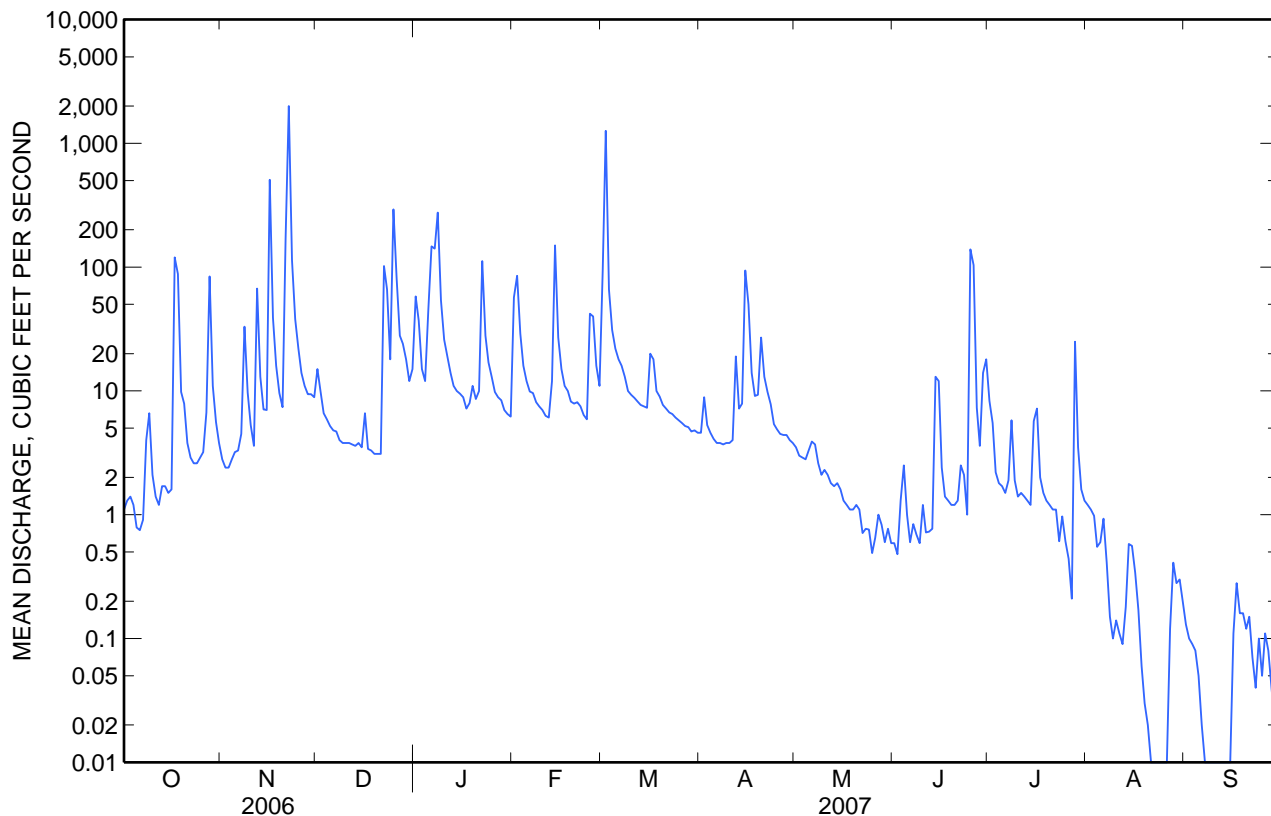
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.28	20.5	21.3	19.4	28.2	38.8	25.6	9.96	18.9	10.5	8.22	14.4
Max	12.4	105	59.1	36.9	60.4	111	133	59.2	55.4	57.8	31.0	87.7
(WY)	(2007)	(2007)	(2003)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	0.70	0.91	2.99	3.74	7.02	6.38	4.64	1.72	0.75	1.49	0.31	0.07
(WY)	(2001)	(2002)	(2001)	(2004)	(2001)	(2006)	(2006)	(2007)	(2002)	(2001)	(2007)	(2007)

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2000 - 2007	
Annual total	6,444.39		8,615.68			
Annual mean	17.7		23.6		19.3	
Highest annual mean					52.4	2003
Lowest annual mean					6.25	2001
Highest daily mean	2,000	Nov 22	2,000	Nov 22	2,000	Nov 22, 2006
Lowest daily mean	0.05	Jul 21	0.00	Aug 22	0.00	Aug 12, 2002
Annual seven-day minimum	0.34	Jul 16	0.00	Sep 8	0.00	Sep 8, 2007
Maximum peak flow			2,850	Nov 22	3,090	Sep 28, 2004
Maximum peak stage			10.06	Nov 22	^a 10.40	Sep 28, 2004
Instantaneous low flow			^a 0.00	Aug 21	^a 0.00	Aug 11, 2002
Annual runoff (cfsm)	0.736		0.984		0.806	
Annual runoff (inches)	9.99		13.35		10.95	
10 percent exceeds	22		30		31	
50 percent exceeds	3.8		3.8		3.7	
90 percent exceeds	0.91		0.12		0.55	

^a See Remarks.



02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2000 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1999 to current year.

pH: November 1999 to current year.

WATER TEMPERATURE: November 1999 to current year.

DISSOLVED OXYGEN: November 1999 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: November 1999 to current year.

TURBIDITY: July 2006 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from November 1999 to current year, optical backscatterance sensor from April 2000 to July 2006. Turbidity is collected using a Hydrolab Datasonde 4a.

REMARKS.--Station operated in cooperation with North Carolina Department of Transportation to characterize water-quality and suspended sediment concentrations in the Goose Creek basin. Dissolved oxygen, percent saturation, computed using barometric pressure of 747 mm Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 414 microsiemens, April 25, 2001; minimum recorded, 38 microsiemens, April 10, 2003.

pH: Maximum recorded, 9.1 standard units, March 24, 2004, March 21, 2007; minimum recorded, 0.4 standard units, February 8, 2005.

WATER TEMPERATURE: Maximum recorded, 29.1°C, August 9, 2007; minimum recorded, 0.0°C, January 24, 25, 2003.

DISSOLVED OXYGEN: Maximum recorded, 14.9 mg/L, January 25, 28, 2003; minimum recorded, 2.5 mg/L, August 24, 2002, September 1, 2, 2007.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 143%, March 21, 2007; minimum recorded, 29%, October 26, 2001.

TURBIDITY: Maximum recorded, 1,820 FNU, July 23, 2006; minimum recorded, 0.0 FNU, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 342 microsiemens, October 9; minimum recorded, 43 microsiemens, November 22.

pH: Maximum recorded, 9.1 standard units, March 21; minimum recorded, 6.5 standard units, March 2, June 26.

WATER TEMPERATURE: Maximum recorded, 29.1°C, August 9; minimum recorded, 1.5°C, February 1.

DISSOLVED OXYGEN: Maximum recorded, 14.7 mg/L, December 20, February 13, 15; minimum recorded, 2.5 mg/L, September 1, 2.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 143%, March 21; minimum recorded, 30%, September 1, 2.

TURBIDITY: Maximum recorded, 1,260 FNU, June 25, 26; minimum recorded, 0.0 FNU, on many days during the year.

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Time	Instan- taneous dis- charge, cfs (00061)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
Nov				
08...	1115	37	31	3.1
16...	1022	790	257	548
16...	1100	780	288	607
16...	1145	835	336	758
16...	1200	842	379	862
16...	1215	856	331	765
16...	1300	929	360	903
16...	1315	929	584	1,460
16...	1330	911	453	1,110
16...	1345	878	350	830
16...	1400	831	409	918
16...	1445	591	336	536
16...	1500	522	327	461
Jan				
17...	1501	7.2	17	.33
17...	1505	6.6	8	.14
17...	1518	6.6	18	.32
17...	1630	6.6	10	.18
17...	1632	6.6	12	.21
17...	1647	6.6	5	.09
Mar				
02...	1046	2,290	207	1,280
02...	1055	2,240	203	1,230
Jun				
25...	2140	160	940	406
25...	2147	132	496	177
29...	1406	2.4	19	.12
29...	1414	2.4	21	.14

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	217	213	214	196	186	191	187	147	161	199	157	177
2	220	217	218	199	196	198	168	152	154	158	152	155
3	222	220	221	204	197	201	164	154	159	163	156	159
4	223	221	222	206	204	205	172	164	166	171	163	167
5	225	223	223	206	205	205	175	172	174	201	137	172
6	225	221	224	207	202	205	181	174	179	139	108	117
7	225	222	223	208	201	205	182	179	181	156	102	132
8	278	197	214	248	175	199	181	179	180	109	92	99
9	342	257	274	209	194	202	182	177	179	118	101	111
10	281	269	276	200	196	198	182	178	179	124	117	121
11	269	236	254	201	191	199	184	179	181	129	123	125
12	236	216	222	240	157	174	187	180	183	136	127	131
13	216	199	209	183	167	177	187	181	184	150	136	143
14	199	195	196	196	183	189	190	184	186	158	150	153
15	195	185	189	195	178	194	191	186	188	161	158	159
16	185	181	182	178	91	115	187	180	183	164	161	163
17	256	119	174	148	122	139	180	174	178	165	162	164
18	176	134	164	158	147	152	174	154	165	170	162	165
19	192	176	185	167	158	163	156	144	149	174	168	171
20	194	184	190	182	167	175	170	156	165	168	163	165
21	188	185	186	186	86	167	178	170	175	166	157	165
22	188	184	185	86	43	56	211	120	167	160	107	119
23	191	185	188	100	72	88	146	123	136	138	123	132
24	196	191	195	112	100	108	159	146	154	146	138	143
25	198	196	196	120	112	117	170	98	131	153	146	150
26	205	195	198	129	119	123	130	106	120	157	152	153
27	257	200	210	141	129	133	144	130	138	159	156	158
28	289	138	170	147	141	144	146	141	144	162	159	161
29	174	154	165	150	147	148	148	139	143	161	158	160
30	181	173	176	153	145	149	162	148	154	163	158	161
31	186	181	183	---	---	---	191	162	172	166	162	164
Month	342	119	204	248	43	164	211	98	165	201	92	149

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	223	108	154	165	99	147	171	164	169	178	167	172
2	223	136	145	99	49	70	172	163	168	---	---	---
3	140	135	138	99	84	93	175	166	172	180	176	177
4	150	140	145	107	99	105	166	156	160	---	---	---
5	156	149	151	116	107	112	171	164	169	183	180	182
6	161	156	158	119	114	117	176	170	174	186	182	184
7	165	154	161	121	116	119	178	174	176	186	179	181
8	156	154	155	120	114	118	180	175	177	180	175	178
9	---	---	---	128	118	122	183	176	180	180	173	177
10	---	---	---	135	128	132	188	176	182	183	173	178
11	---	---	---	137	133	136	187	181	184	---	---	---
12	---	---	---	141	133	138	---	---	---	190	186	188
13	---	---	---	141	134	139	161	140	145	190	189	190
14	205	99	111	141	134	137	155	141	148	192	189	191
15	122	114	119	149	140	144	182	90	114	192	190	191
16	133	121	127	176	139	154	113	107	108	195	189	191
17	147	133	140	146	135	142	120	107	115	196	192	194
18	155	147	150	138	134	136	130	120	126	197	193	195
19	156	154	154	142	136	139	145	130	135	197	192	195
20	163	156	161	145	136	142	145	118	127	205	196	199
21	168	161	164	145	142	144	128	118	122	206	202	205
22	165	162	163	146	137	144	131	125	128	206	204	205
23	165	155	161	153	143	150	136	131	134	205	203	204
24	161	155	157	157	152	154	144	132	139	205	203	204
25	199	112	155	162	155	157	149	142	145	206	203	204
26	128	112	122	167	157	160	159	149	154	209	206	207
27	140	128	136	167	160	164	164	157	161	211	209	210
28	149	140	145	168	164	167	165	163	164	211	208	210
29	---	---	---	170	165	167	168	164	167	209	207	208
30	---	---	---	---	---	---	174	166	168	209	208	208
31	---	---	---	173	168	171	---	---	---	209	198	204
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	205	199	202	120	104	112	132	116	124	255	248	253
2	206	200	204	120	112	117	139	132	135	255	252	253
3	204	191	198	114	109	111	144	139	141	252	250	251
4	210	200	207	123	114	119	148	144	146	253	251	252
5	214	209	210	129	117	125	156	148	150	253	251	252
6	221	213	216	131	123	126	163	156	159	---	---	---
7	223	218	222	152	131	142	164	161	163	---	---	---
8	---	---	---	174	152	167	164	157	161	---	---	---
9	210	204	208	174	167	170	167	159	163	---	---	---
10	205	201	203	167	148	158	184	167	178	---	---	---
11	202	201	201	148	129	138	189	180	184	---	---	---
12	206	201	203	129	123	128	189	182	186	---	---	---
13	208	198	203	138	127	131	205	188	195	---	---	---
14	212	107	199	156	138	148	203	199	200	---	---	---
15	107	85	89	165	114	153	208	202	204	---	---	---
16	112	95	103	194	129	174	211	208	209	247	238	242
17	123	112	117	172	164	169	215	211	214	264	247	262
18	129	123	126	164	140	152	216	213	214	265	262	263
19	146	129	136	140	132	135	215	213	214	270	265	267
20	157	146	151	137	132	134	216	213	215	275	270	273
21	173	157	162	147	137	141	---	---	---	282	274	279
22	189	173	178	158	147	152	---	---	---	285	281	283
23	202	189	197	164	158	161	---	---	---	285	283	284
24	203	183	201	173	164	168	---	---	---	---	---	---
25	194	63	104	186	172	174	---	---	---	289	288	289
26	95	56	80	187	177	182	---	---	---	292	288	290
27	110	95	103	194	187	189	---	---	---	294	292	293
28	122	102	116	226	71	102	240	214	236	295	293	294
29	134	96	122	90	75	83	236	218	225	295	292	294
30	144	101	114	103	90	97	252	236	245	295	293	294
31	---	---	---	116	102	109	256	247	252	---	---	---
Month	---	---	---	226	71	141	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.3	7.2	7.3	7.1	7.1	7.1	7.1	7.0	7.1	7.2	7.0	7.2
2	7.4	7.2	7.3	7.3	7.1	7.2	7.2	7.1	7.1	7.1	7.0	7.0
3	7.4	7.3	7.3	7.3	7.1	7.2	7.2	7.1	7.1	7.2	7.0	7.1
4	7.4	7.3	7.3	7.2	7.2	7.2	7.3	7.1	7.2	7.2	7.1	7.2
5	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.1	7.2
6	7.5	7.2	7.3	7.3	7.2	7.3	7.4	7.3	7.3	7.1	6.9	7.0
7	7.3	7.2	7.2	7.3	7.1	7.3	7.4	7.3	7.4	7.2	6.9	7.0
8	7.4	7.2	7.3	7.3	7.1	7.2	7.5	7.4	7.4	6.9	6.8	6.9
9	7.4	7.3	7.3	7.2	7.1	7.2	7.5	7.4	7.4	7.0	6.9	7.0
10	7.3	7.2	7.3	7.2	7.2	7.2	7.6	7.4	7.4	7.1	7.0	7.1
11	7.4	7.3	7.3	7.2	7.1	7.2	7.5	7.4	7.4	7.2	7.0	7.2
12	7.4	7.2	7.3	7.2	7.0	7.0	7.5	7.4	7.4	7.3	7.2	7.2
13	7.2	7.2	7.2	7.1	7.0	7.1	7.6	7.4	7.4	7.3	7.2	7.2
14	7.3	7.1	7.2	7.1	7.1	7.1	7.6	7.4	7.4	7.3	7.2	7.2
15	7.4	7.2	7.4	7.2	7.1	7.1	7.6	7.4	7.4	7.4	7.2	7.3
16	7.4	7.3	7.4	7.2	6.8	6.8	7.7	7.4	7.5	7.4	7.2	7.3
17	7.4	6.9	7.3	7.0	6.9	7.0	7.8	7.4	7.5	7.6	7.3	7.4
18	7.0	6.8	6.9	7.1	7.0	7.1	7.8	7.4	7.5	7.5	7.4	7.4
19	7.0	6.9	7.0	7.2	7.1	7.2	7.9	7.3	7.4	7.6	7.4	7.5
20	7.1	7.0	7.0	7.2	7.2	7.2	8.0	7.3	7.5	7.6	7.4	7.5
21	7.2	7.1	7.2	7.3	6.8	7.2	7.8	7.4	7.5	7.5	7.3	7.5
22	7.3	7.2	7.3	6.8	6.6	6.6	7.5	6.9	7.4	7.3	7.1	7.2
23	7.4	7.2	7.3	6.9	6.7	6.8	6.9	6.9	6.9	7.3	7.1	7.2
24	7.3	7.2	7.2	7.0	6.8	6.9	7.1	6.9	7.0	7.4	7.2	7.3
25	7.2	7.2	7.2	7.0	6.9	7.0	7.1	6.7	7.0	7.4	7.2	7.3
26	7.2	7.2	7.2	7.1	7.0	7.0	7.0	6.8	6.9	7.5	7.3	7.4
27	7.2	7.2	7.2	7.1	7.0	7.1	7.0	6.9	7.0	7.5	7.3	7.4
28	7.3	7.0	7.1	7.2	7.0	7.1	7.1	7.0	7.1	7.6	7.3	7.4
29	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.1	7.6	7.4	7.5
30	7.1	7.0	7.0	7.1	7.0	7.0	7.1	7.1	7.1	7.7	7.4	7.5
31	7.1	7.0	7.1	---	---	---	7.2	7.1	7.1	7.7	7.4	7.6
Max	7.5	7.3	7.4	7.3	7.2	7.3	8.0	7.4	7.5	7.7	7.4	7.6
Min	7.0	6.8	6.9	6.8	6.6	6.6	6.9	6.7	6.9	6.9	6.8	6.9

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.6	7.1	7.5	7.6	6.9	7.3	7.4	7.2	7.3	7.3	7.0	7.2
2	7.2	7.1	7.2	6.9	6.5	6.6	7.3	7.1	7.2	---	---	---
3	7.3	7.2	7.2	6.9	6.7	6.9	7.3	7.1	7.2	7.4	7.1	7.2
4	7.5	7.2	7.3	7.1	6.9	7.0	7.2	7.1	7.1	---	---	---
5	7.5	7.2	7.4	7.1	7.0	7.1	7.4	7.1	7.3	7.4	7.2	7.3
6	7.6	7.3	7.4	7.2	7.1	7.1	7.5	7.3	7.3	7.5	7.2	7.3
7	7.6	7.3	7.4	7.4	7.1	7.2	7.6	7.3	7.4	7.5	7.3	7.3
8	7.8	7.4	7.5	7.4	7.2	7.2	7.6	7.4	7.4	7.5	7.3	7.3
9	---	---	---	7.5	7.2	7.3	7.6	7.4	7.5	7.4	7.2	7.3
10	---	---	---	7.6	7.2	7.3	7.6	7.4	7.5	7.3	7.2	7.2
11	---	---	---	7.8	7.2	7.4	7.4	7.2	7.3	---	---	---
12	---	---	---	8.1	7.2	7.4	---	---	---	7.5	7.3	7.4
13	---	---	---	8.4	7.2	7.5	7.3	7.2	7.2	7.5	7.3	7.4
14	7.2	6.7	6.8	8.9	7.2	7.6	7.4	7.2	7.3	7.6	7.4	7.4
15	7.3	6.8	6.9	9.0	7.3	7.7	7.3	6.8	6.9	7.6	7.4	7.5
16	7.4	7.2	7.3	7.6	7.1	7.2	7.0	6.9	7.0	7.6	7.3	7.4
17	7.5	7.3	7.4	8.0	7.1	7.4	7.0	6.9	7.0	7.7	7.3	7.4
18	7.6	7.3	7.4	8.3	7.3	7.6	7.0	6.9	7.0	7.6	7.4	7.4
19	7.6	7.4	7.5	8.7	7.3	7.6	7.0	6.9	7.0	7.7	7.4	7.5
20	7.7	7.3	7.5	9.0	7.3	7.7	7.1	6.8	7.0	7.7	7.4	7.5
21	7.9	7.3	7.4	9.1	7.3	7.8	6.9	6.8	6.8	7.6	7.3	7.4
22	8.1	7.3	7.5	8.8	7.3	7.7	6.9	6.8	6.8	7.7	7.3	7.3
23	8.3	7.4	7.6	8.5	7.3	7.6	7.0	6.8	6.9	7.5	7.2	7.3
24	8.2	7.4	7.7	8.1	7.2	7.5	7.0	6.9	6.9	7.6	7.2	7.4
25	7.6	7.1	7.5	7.7	7.2	7.4	6.9	6.8	6.9	7.8	7.4	7.4
26	7.4	7.1	7.2	7.6	7.2	7.3	6.9	6.8	6.8	7.7	7.3	7.4
27	7.6	7.1	7.3	7.4	7.2	7.3	7.0	6.9	7.0	7.7	7.3	7.4
28	7.8	7.2	7.4	7.3	7.1	7.2	7.0	6.9	7.0	7.7	7.3	7.3
29	---	---	---	7.2	7.1	7.2	7.1	7.0	7.0	7.7	7.3	7.3
30	---	---	---	---	---	---	7.1	7.0	7.0	7.7	7.3	7.3
31	---	---	---	7.5	7.3	7.3	---	---	---	7.9	7.3	7.3
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.8	7.2	7.3	7.0	6.9	7.0	7.0	6.8	6.9	7.4	7.2	7.3
2	7.5	7.3	7.3	7.1	7.0	7.1	7.1	7.0	7.0	7.4	7.2	7.3
3	7.4	7.3	7.3	7.1	7.1	7.1	7.1	7.0	7.1	7.4	7.4	7.4
4	7.4	7.2	7.2	7.1	7.1	7.1	7.3	7.1	7.2	7.4	7.3	7.4
5	7.4	7.2	7.2	7.1	7.0	7.1	7.2	7.0	7.1	7.4	7.3	7.4
6	7.4	7.2	7.2	7.3	7.1	7.2	7.2	7.0	7.1	---	---	---
7	7.4	7.1	7.2	7.2	7.2	7.2	7.2	7.0	7.1	---	---	---
8	---	---	---	7.3	7.1	7.2	7.4	7.0	7.1	---	---	---
9	7.6	7.2	7.2	7.3	7.2	7.2	7.4	7.1	7.1	---	---	---
10	7.4	7.2	7.3	7.3	7.1	7.2	7.3	7.1	7.2	---	---	---
11	7.3	7.2	7.3	7.2	7.1	7.1	7.3	7.1	7.2	---	---	---
12	7.5	7.3	7.3	7.2	7.1	7.1	7.4	7.1	7.2	---	---	---
13	7.5	7.3	7.4	7.2	7.1	7.2	7.4	7.1	7.2	---	---	---
14	7.4	7.1	7.3	7.3	7.2	7.2	7.4	7.2	7.2	---	---	---
15	7.1	7.0	7.0	7.3	6.9	7.2	7.4	7.2	7.3	---	---	---
16	7.1	7.0	7.0	7.1	6.9	7.1	7.4	7.2	7.2	7.5	7.3	7.4
17	7.0	7.0	7.0	7.2	7.0	7.1	7.2	7.1	7.2	7.6	7.5	7.5
18	7.0	7.0	7.0	7.1	7.0	7.1	7.4	7.2	7.2	7.7	7.5	7.6
19	7.0	6.9	7.0	7.1	7.0	7.0	7.4	7.3	7.3	7.8	7.6	7.6
20	7.0	7.0	7.0	7.1	7.0	7.0	7.4	7.3	7.3	7.7	7.5	7.6
21	7.1	7.0	7.0	7.2	7.0	7.1	---	---	---	7.6	7.5	7.6
22	7.3	7.0	7.1	7.2	7.1	7.1	---	---	---	7.6	7.4	7.5
23	7.4	7.3	7.3	7.3	7.1	7.2	---	---	---	7.5	7.4	7.5
24	7.4	7.2	7.3	7.3	7.1	7.2	---	---	---	---	---	---
25	7.2	6.6	6.8	7.5	7.2	7.3	---	---	---	7.6	7.5	7.5
26	6.8	6.5	6.7	7.5	7.3	7.3	---	---	---	7.6	7.5	7.6
27	6.8	6.8	6.8	7.5	7.2	7.3	---	---	---	7.6	7.6	7.6
28	6.9	6.8	6.8	7.2	6.7	6.7	7.4	7.2	7.3	7.7	7.6	7.6
29	7.1	6.6	6.8	6.8	6.7	6.8	7.3	7.2	7.2	7.8	7.7	7.7
30	7.0	6.6	6.9	6.8	6.8	6.8	7.3	7.2	7.2	7.9	7.8	7.8
31	---	---	---	6.9	6.8	6.8	7.4	7.2	7.2	---	---	---
Max	---	---	---	7.5	7.3	7.3	---	---	---	---	---	---
Min	---	---	---	6.8	6.7	6.7	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	18.1	14.9	16.3	13.9	12.1	13.1	17.4	15.3	16.3	13.3	11.3	12.5
2	17.9	14.7	16.3	14.8	12.2	13.6	15.6	10.9	12.7	11.7	8.6	9.8
3	18.0	14.4	16.2	12.2	9.0	10.7	10.9	9.1	9.7	8.6	6.7	7.7
4	18.7	15.3	16.9	9.0	7.2	8.1	9.6	7.3	8.8	10.5	8.2	9.2
5	19.5	15.9	17.6	8.1	5.8	7.0	7.3	5.8	6.4	14.0	10.5	11.9
6	18.2	16.2	17.5	7.9	5.6	7.0	6.5	5.0	5.9	13.9	12.9	13.4
7	16.2	14.9	15.2	9.8	7.5	8.4	8.1	6.1	7.1	13.1	11.3	12.1
8	15.8	14.9	15.3	12.8	9.8	11.7	6.1	3.1	4.5	13.5	11.1	12.9
9	16.5	15.3	15.8	13.6	12.1	12.9	3.4	2.0	2.7	11.1	8.1	9.0
10	17.5	15.6	16.5	13.6	11.5	12.7	3.6	1.8	2.7	8.1	6.3	7.0
11	17.6	15.7	16.5	14.6	12.4	13.6	4.7	2.8	3.7	6.3	4.5	5.5
12	18.7	16.4	17.2	14.4	12.4	13.5	5.1	3.3	4.2	8.5	6.0	7.1
13	16.4	13.8	15.0	12.4	10.8	11.8	6.6	4.5	5.7	10.6	8.1	9.2
14	14.3	11.8	13.1	12.2	10.7	11.6	7.8	6.0	6.8	11.5	9.5	10.6
15	13.0	9.9	11.6	13.2	10.9	11.6	8.1	6.3	7.2	13.5	11.0	12.3
16	12.6	10.1	11.5	16.0	13.1	15.0	7.6	6.4	7.1	13.8	11.2	13.2
17	17.2	12.1	13.7	13.8	11.6	12.3	8.3	6.3	7.4	11.2	7.1	8.6
18	18.0	17.1	17.5	11.6	9.8	10.5	9.2	7.2	8.2	7.1	5.2	5.8
19	17.9	17.5	17.7	10.0	8.4	9.3	9.6	7.7	8.7	7.2	5.2	6.1
20	18.9	17.2	18.2	9.9	8.9	9.3	9.0	8.0	8.5	6.6	5.3	6.0
21	17.2	14.6	15.6	8.9	5.8	7.6	8.8	8.0	8.3	5.6	4.4	5.2
22	14.6	13.5	13.9	8.4	6.8	7.3	12.1	8.8	10.1	6.9	4.3	5.8
23	13.9	11.4	12.8	10.8	8.4	9.5	13.8	12.1	12.8	7.4	6.2	6.9
24	11.4	9.2	10.2	10.5	8.8	9.8	12.7	10.2	10.9	6.9	5.3	6.2
25	9.7	7.9	8.8	9.9	8.1	9.1	10.3	8.7	9.8	6.4	5.1	5.8
26	9.9	8.6	9.2	9.2	7.7	8.7	10.6	9.8	10.2	5.3	3.6	4.5
27	12.4	9.5	10.1	9.2	7.4	8.4	9.8	7.7	8.5	6.7	3.8	5.2
28	14.9	12.4	14.2	11.0	8.3	9.6	7.7	6.1	6.9	8.3	6.5	7.3
29	13.9	11.7	12.6	13.4	11.0	12.2	7.6	5.8	6.8	6.5	3.4	4.3
30	12.8	11.0	12.1	15.3	13.1	14.1	9.3	7.3	8.2	4.3	2.3	3.5
31	12.6	11.5	12.2	---	---	---	11.3	9.3	10.1	4.1	2.7	3.5
Month	19.5	7.9	14.4	16.0	5.6	10.7	17.4	1.8	8.0	14.0	2.3	8.0

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	3.2	1.5	2.3	12.2	8.7	9.8	18.3	16.8	17.5	21.7	18.3	20.1
2	5.5	3.1	4.4	14.0	12.2	13.3	20.0	17.2	18.5	---	---	---
3	5.4	3.9	4.7	12.2	10.3	11.4	20.0	17.6	19.0	22.1	20.2	21.1
4	5.0	3.4	4.3	11.1	9.0	9.9	20.5	18.6	19.5	---	---	---
5	4.3	2.8	3.6	9.8	6.8	8.5	18.6	14.7	16.4	17.1	16.2	16.7
6	3.4	1.7	2.7	10.4	7.8	9.2	14.7	12.2	13.3	18.9	16.8	17.6
7	6.6	3.1	4.8	11.4	8.5	10	12.9	10.1	11.4	17.1	14.8	16.1
8	6.4	4.7	5.7	11.3	9.1	10.3	11.1	8.1	9.7	16.0	14.7	15.5
9	---	---	---	11.0	8.6	10.0	10.4	8.6	9.5	18.1	15.8	16.8
10	---	---	---	12.2	8.8	10.6	11.5	8.0	9.9	19.7	17.3	18.3
11	---	---	---	14.0	10.9	12.5	11.2	10.8	10.9	---	---	---
12	---	---	---	13.0	10.9	11.9	---	---	---	21.6	19.2	20.3
13	---	---	---	14.1	10.2	12.3	15.1	12.2	13.8	21.0	19.5	20.1
14	8.1	5.5	6.7	16.0	12.8	14.5	15.8	13.3	14.5	19.8	17.6	18.7
15	6.9	4.3	5.3	17.3	14.6	16.1	17.4	15.0	16.3	19.7	16.5	18.1
16	5.2	3.3	4.3	17.2	11.8	14.8	15.0	12.4	13.6	20.7	17.9	19.2
17	4.0	2.5	3.3	11.8	9.3	10.5	15.5	12.2	13.9	20.9	18.5	19.5
18	5.4	3.2	4.3	10.3	7.5	9.1	15.0	13.3	14.1	19.5	16.8	18.1
19	5.1	2.4	3.9	11.3	7.0	9.3	14.5	13.3	14.0	18.6	15.1	16.7
20	7.8	4.0	5.8	14.6	10.1	12.3	15.4	12.8	14.0	18.9	14.8	16.8
21	10.4	7.8	9.1	16.5	13.7	15.1	16.7	13.2	15.0	19.7	15.4	17.5
22	11.9	9.2	10.6	16.7	14.0	15.5	17.9	14.1	16.1	20.5	16.4	18.4
23	10.8	8.0	9.0	18.0	14.3	16.3	18.9	15.4	17.3	20.5	18.3	19.2
24	8.4	5.9	7.5	19.2	16.1	17.7	18.9	17.1	18.1	20.9	17.3	19.2
25	8.8	8.0	8.3	20.1	16.7	18.5	20.7	17.8	19.3	21.9	17.2	19.5
26	10.8	8.3	9.5	19.6	17.5	18.7	21.5	19.1	20.4	21.5	17.8	19.7
27	10.9	8.1	9.7	20.4	17.2	18.9	22.1	20.3	21.2	22.0	18.8	20.3
28	10.6	8.1	9.5	21.1	18.5	19.9	20.9	18.8	19.9	22.4	19.2	20.8
29	---	---	---	20.3	15.8	18.1	20.4	17.4	19.0	22.6	18.8	20.7
30	---	---	---	---	---	---	20.6	17.4	19.2	22.8	19.1	20.9
31	---	---	---	17.9	15.3	16.7	---	---	---	23.7	20.0	21.7
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	23.6	20.5	22.0	24.6	23.5	24.1	25.4	22.6	23.9	24.8	22.9	24.0
2	21.7	20.2	20.8	23.7	21.8	22.5	25.5	22.3	23.9	24.1	22.4	23.3
3	20.2	19.3	19.7	22.4	20.8	21.6	25.3	22.3	23.9	23.2	20.6	22.1
4	21.5	18.8	20.1	23.1	20.7	21.9	26.6	22.6	24.5	24.0	21.5	22.7
5	22.9	19.6	21.2	23.8	21.0	22.3	26.1	22.8	24.6	23.9	21.4	22.7
6	23.7	20.0	21.8	24.2	21.6	22.8	26.9	23.7	25.3	---	---	---
7	24.0	20.4	22.2	24.7	22.4	23.4	28.2	24.4	26.1	---	---	---
8	---	---	---	24.4	22.9	23.6	28.5	24.8	26.5	---	---	---
9	26.4	22.5	24.2	25.5	23.2	24.2	29.1	25.6	27.2	---	---	---
10	25.0	22.5	23.6	26.3	23.6	24.8	29.0	25.5	27.3	---	---	---
11	23.4	21.8	22.7	26.1	24.0	24.9	27.7	25.9	26.9	---	---	---
12	22.8	20.3	21.4	25.9	23.6	24.6	27.2	25.3	26.3	---	---	---
13	22.1	19.8	20.8	24.2	22.4	23.2	27.8	24.7	26.1	---	---	---
14	20.9	19.5	20.1	22.5	21.1	21.9	26.8	23.1	24.9	---	---	---
15	19.6	19.2	19.4	22.8	20.7	21.8	26.0	21.8	24.0	---	---	---
16	20.9	18.9	19.8	23.4	21.5	22.4	27.4	24.0	25.6	22.0	18.6	20.0
17	23.3	19.9	21.4	25.1	22.6	23.7	26.6	25.3	26.0	20.5	17.1	18.9
18	24.0	20.3	22.1	25.8	23.4	24.4	26.0	23.7	24.8	20.0	16.2	18.3
19	24.8	21.6	23.0	26.5	23.6	24.9	25.3	23.4	24.3	20.1	16.0	18.3
20	24.1	22.1	23.0	25.8	24.1	24.7	25.5	24.2	24.9	21.1	19.3	20.1
21	24.0	20.5	22.2	24.9	22.7	23.7	---	---	---	21.9	20.0	20.9
22	23.0	20.3	21.9	23.6	21.1	22.3	---	---	---	23.4	21.1	22.1
23	24.1	21.9	22.9	23.8	19.7	21.7	---	---	---	23.5	20.6	22.2
24	25.3	21.9	23.3	23.4	20.4	21.8	---	---	---	---	---	---
25	23.5	21.6	22.5	24.2	20.5	22.3	---	---	---	22.7	20.3	21.6
26	23.9	22.2	23.0	25.0	21.1	23.0	---	---	---	22.2	19.1	20.7
27	24.5	23.0	23.8	25.7	21.9	23.5	---	---	---	21.4	18.8	20.3
28	25.4	23.6	24.5	23.5	22.0	22.6	26.6	23.2	24.8	21.6	19.6	20.7
29	26.3	23.7	24.7	23.5	22.3	22.9	26.9	23.8	25.2	19.6	16.6	18.1
30	24.9	23.7	24.3	24.5	22.9	23.4	26.8	23.6	25.1	17.7	14.9	16.5
31	---	---	---	25.1	22.7	23.7	25.9	23.3	24.6	---	---	---
Month	---	---	---	26.5	19.7	23.2	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	7.9	6.3	6.8	8.1	7.4	7.8	7.7	6.8	7.3	---	---	---
2	7.9	6.4	6.9	7.5	7.0	7.3	8.8	7.1	8.2	---	---	---
3	8.1	6.5	7.1	8.0	7.0	7.5	9.7	8.7	9.2	---	---	---
4	8.4	6.4	7.1	8.7	7.8	8.3	10.2	9.0	9.7	12.1	11.1	11.8
5	8.4	6.0	7.0	9.0	8.4	8.7	11.2	10.2	10.7	11.1	9.8	10.7
6	8.0	5.9	6.7	9.3	8.5	8.9	11.6	10.8	11.2	10.4	9.6	10.0
7	7.4	5.8	6.3	8.9	7.3	8.4	11.4	10.7	11.0	10.4	9.8	10.1
8	7.2	5.9	6.5	8.8	7.3	8.0	12.5	11.0	11.8	10.5	9.6	10.1
9	8.0	6.9	7.5	8.0	7.5	7.7	13.4	12.4	12.9	11.2	10.5	10.8
10	7.5	6.6	7.0	8.0	7.3	7.6	13.7	12.9	13.3	11.4	10.6	11.0
11	7.4	6.0	6.7	7.8	7.0	7.4	13.6	12.8	13.1	12.0	10.9	11.5
12	6.7	5.0	5.9	8.5	7.1	8.0	13.7	12.6	13.0	11.5	10.4	11.1
13	6.4	4.9	5.5	8.7	8.1	8.4	13.5	12.2	12.8	10.8	9.7	10.3
14	7.3	5.6	6.4	8.7	8.1	8.4	13.5	11.8	12.4	10.4	9.3	9.8
15	7.8	6.2	6.9	8.6	7.9	8.3	13.5	11.6	12.3	10.0	8.7	9.4
16	8.3	6.4	7.2	8.5	7.2	7.8	13.2	11.3	12.2	9.4	8.3	8.9
17	8.1	6.4	7.1	9.1	8.2	8.8	13.8	11.2	12.3	11.9	9.1	10.6
18	8.0	7.0	7.5	9.6	8.9	9.2	13.9	11.1	12.3	11.7	11.0	11.3
19	7.1	6.3	6.9	9.6	9.1	9.4	14.2	11.1	12.3	11.9	10.8	11.3
20	6.8	5.9	6.2	9.7	8.9	9.3	14.7	11.1	12.6	11.9	10.6	11.1
21	6.7	5.9	6.3	11.2	8.9	9.7	14.3	11.5	12.5	11.6	10.8	11.2
22	7.0	6.5	6.8	10.8	9.9	10.5	12.1	10.9	11.4	11.6	10.7	11.2
23	8.1	6.6	7.5	10.3	9.4	9.9	11.2	10.0	10.6	11.3	10.4	10.9
24	8.8	8.1	8.5	10.1	9.3	9.7	---	---	---	11.6	10.4	10.8
25	9.1	8.6	8.8	10.2	9.3	9.8	---	---	---	11.6	10.3	10.8
26	9.2	8.7	8.9	10.2	9.4	9.8	---	---	---	12.3	10.7	11.4
27	9.0	8.3	8.8	10.1	9.2	9.7	---	---	---	12.3	10.7	11.5
28	8.8	8.0	8.3	9.7	8.7	9.3	---	---	---	11.6	10.2	10.8
29	8.8	8.1	8.5	9.0	7.9	8.6	---	---	---	13.2	10.4	11.8
30	8.6	8.1	8.4	8.5	7.4	8.0	---	---	---	13.6	11.9	12.6
31	8.4	8.0	8.2	---	---	---	---	---	---	13.7	11.7	12.7
Month	9.2	4.9	7.2	11.2	7.0	8.7	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	13.3	12.3	12.6	12.2	9.8	10.7	7.0	5.6	6.1	6.8	5.0	5.8
2	12.5	11.4	12.0	10.2	9.3	9.7	6.8	5.1	5.8	---	---	---
3	12.7	11.5	12.1	10.9	10.1	10.5	6.5	4.9	5.5	7.8	4.9	6.1
4	13.2	11.7	12.3	11.5	10.2	10.9	6.1	4.5	5.2	---	---	---
5	13.5	11.9	12.6	12.1	10.6	11.3	6.7	4.5	5.6	7.8	5.8	6.7
6	13.9	12.3	13.0	11.9	10.5	11.1	7.6	5.6	6.6	8.5	6.5	7.4
7	13.2	11.4	12.4	11.9	10.2	10.9	8.3	6.4	7.3	9.1	6.8	7.8
8	13.5	11.1	12.2	11.8	10.1	10.7	9.1	7.4	8.2	8.8	7.0	7.8
9	---	---	---	12.0	10.0	10.8	9.4	7.6	8.4	8.1	6.7	7.3
10	---	---	---	12.0	9.7	10.8	9.3	7.9	8.5	8.0	6.5	7.0
11	---	---	---	11.8	9.2	10.3	7.9	6.8	7.3	---	---	---
12	---	---	---	12.3	8.9	10.4	---	---	---	6.7	5.2	5.8
13	---	---	---	12.4	9.0	10.4	7.1	5.8	6.3	6.7	5.1	5.7
14	13.5	12.6	13.1	12.6	8.1	10.1	7.4	5.8	6.4	7.4	5.4	6.3
15	14.7	12.7	13.7	12.8	7.4	9.9	6.9	5.9	6.4	7.8	6.0	6.7
16	14.3	12.9	13.5	9.3	7.1	8.5	7.3	6.0	6.8	7.8	5.8	6.5
17	14.5	13.0	13.7	12.9	9.2	10.8	6.2	5.2	5.8	8.1	5.4	6.3
18	14.0	12.7	13.3	13.6	10.0	11.5	5.6	5.1	5.3	7.9	5.5	6.4
19	14.3	12.6	13.4	14.2	10.3	11.9	6.0	5.1	5.5	8.3	6.0	6.8
20	13.7	11.5	12.7	13.8	9.5	11.4	6.6	5.2	5.9	8.5	6.2	7.0
21	12.8	10.6	11.5	13.8	8.2	10.8	5.6	4.8	5.3	8.3	6.3	7.0
22	12.8	10.0	11.1	13.0	7.7	10.3	5.3	4.6	5.0	8.9	6.2	7.1
23	13.5	9.8	11.3	12.3	7.7	9.8	5.4	4.2	4.8	8.4	5.8	6.9
24	13.4	10.2	11.8	11.3	7.1	9.2	5.3	4.3	4.7	9.0	5.9	6.9
25	11.3	10.1	10.7	10.1	6.6	8.3	4.7	3.6	4.3	9.2	5.7	6.8
26	11.4	9.8	10.7	9.3	6.2	7.7	4.7	3.5	4.0	8.9	5.6	6.7
27	12.1	9.7	10.7	8.9	6.3	7.5	4.3	3.3	3.8	8.6	5.7	6.8
28	12.8	9.7	11.0	7.9	5.5	6.7	5.7	3.5	4.8	8.7	5.8	6.8
29	---	---	---	6.8	5.3	6.1	5.9	4.5	5.2	8.9	5.5	6.8
30	---	---	---	---	---	---	6.6	4.8	5.6	9.1	5.9	7.0
31	---	---	---	7.8	6.0	6.8	---	---	---	9.9	5.6	7.2
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	10.0	5.9	7.3	6.6	6.2	6.4	5.8	5.1	5.4	5.6	2.5	3.9
2	8.5	6.0	7.0	6.8	6.3	6.6	6.4	5.1	5.6	5.8	2.5	4.2
3	8.0	6.1	6.8	6.9	6.3	6.6	7.0	5.3	5.8	5.6	3.7	4.6
4	8.5	6.2	7.2	6.7	6.1	6.4	7.6	5.2	6.1	5.5	3.5	4.5
5	8.9	6.5	7.3	6.7	6.0	6.3	7.6	4.9	5.8	5.5	4.0	4.7
6	9.5	6.2	7.3	6.5	5.6	6.0	---	---	---	---	---	---
7	9.4	6.5	7.6	6.5	5.5	5.8	---	---	---	---	---	---
8	---	---	---	6.7	5.3	6.0	---	---	---	---	---	---
9	8.0	4.8	5.7	6.5	5.4	5.9	---	---	---	---	---	---
10	7.2	4.9	5.8	6.6	5.3	5.8	7.0	3.7	5.1	---	---	---
11	6.2	5.0	5.5	6.6	5.2	5.7	6.6	3.3	4.9	---	---	---
12	7.3	5.2	5.9	6.7	5.2	5.8	6.6	3.5	5.1	---	---	---
13	7.7	5.4	6.3	6.7	5.5	5.9	5.9	3.6	4.7	---	---	---
14	7.8	5.8	6.6	7.0	5.7	6.3	6.6	3.8	4.8	---	---	---
15	7.7	6.6	7.0	7.3	6.0	6.5	6.1	3.7	4.6	---	---	---
16	6.9	6.3	6.6	6.9	5.7	6.4	6.1	3.1	4.3	---	---	---
17	6.7	6.0	6.4	6.7	5.5	6.1	4.0	2.6	3.3	---	---	---
18	6.6	5.9	6.2	6.6	5.2	5.8	4.8	2.9	3.6	---	---	---
19	6.5	5.4	5.9	6.5	5.0	5.5	4.6	3.4	4.1	---	---	---
20	6.3	5.3	5.7	6.3	4.9	5.3	4.8	3.6	4.2	---	---	---
21	6.4	5.5	6.0	6.8	4.9	5.7	---	---	---	---	---	---
22	6.7	5.9	6.1	7.0	5.4	6.0	---	---	---	---	---	---
23	7.1	6.0	6.4	---	---	---	---	---	---	---	---	---
24	7.5	5.8	6.4	---	---	---	---	---	---	---	---	---
25	8.1	6.0	7.3	---	---	---	---	---	---	6.1	4.1	5.1
26	8.0	6.2	7.4	8.3	5.7	6.7	---	---	---	6.3	3.9	5.3
27	6.4	5.6	6.0	8.6	5.3	6.5	---	---	---	6.3	4.6	5.3
28	6.3	5.6	6.0	7.3	4.3	6.4	6.1	3.2	4.3	6.2	4.7	5.6
29	7.4	5.5	6.1	6.2	5.6	6.0	5.5	3.0	4.0	6.9	5.4	6.0
30	6.9	5.8	6.5	5.9	5.2	5.6	6.0	3.1	4.2	7.7	6.2	6.8
31	---	---	---	5.8	5.1	5.4	6.1	3.0	4.2	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	85	65	71	79	72	76	82	71	76	---	---	---
2	85	66	72	75	67	71	84	73	79	---	---	---
3	87	68	74	73	65	69	87	78	83	---	---	---
4	92	68	75	77	68	72	90	80	85	108	102	105
5	93	65	75	77	70	73	94	85	89	105	97	101
6	86	61	71	79	71	75	96	87	92	102	94	98
7	75	59	65	77	66	73	98	89	93	100	92	96
8	74	60	67	81	66	75	99	89	94	100	93	97
9	83	71	77	79	72	74	103	92	97	98	91	95
10	80	69	74	78	71	74	106	95	100	95	90	93
11	79	63	70	78	69	73	107	97	101	97	90	93
12	73	52	63	84	70	79	110	97	102	97	90	93
13	65	51	56	82	76	79	112	98	104	97	88	91
14	73	55	62	82	76	79	115	97	104	96	85	89
15	76	59	65	83	75	78	117	96	104	96	85	89
16	80	59	67	83	74	79	113	94	102	92	81	86
17	85	61	70	87	80	84	120	93	105	103	83	92
18	85	75	80	88	82	84	123	94	106	95	89	93
19	76	68	74	85	80	83	127	95	107	100	88	93
20	73	63	67	86	78	83	130	96	110	99	86	91
21	68	62	65	91	77	82	125	99	108	93	86	90
22	70	65	67	91	85	89	108	97	103	93	90	92
23	79	65	73	91	86	89	107	97	102	95	87	91
24	81	74	77	90	84	87	---	---	---	96	85	89
25	81	75	78	90	84	87	---	---	---	96	83	88
26	83	76	79	89	83	86	---	---	---	98	83	90
27	81	78	79	87	82	84	---	---	---	101	86	92
28	87	79	83	87	80	83	---	---	---	101	85	92
29	85	79	81	86	77	81	---	---	---	104	85	93
30	82	77	79	85	75	79	---	---	---	107	90	97
31	80	75	78	---	---	---	---	---	---	107	89	97
Month	93	51	72	91	65	79	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	97	91	94	109	86	96	76	59	65	79	54	65
2	96	92	94	98	92	95	76	55	64	---	---	---
3	102	92	96	103	95	98	73	53	61	91	56	70
4	105	91	97	105	94	98	69	49	57	---	---	---
5	106	90	97	106	94	99	70	48	58	82	61	70
6	106	91	98	107	93	98	75	55	64	93	68	79
7	108	91	98	109	91	99	79	60	68	96	69	81
8	112	88	99	109	91	98	84	65	73	91	71	80
9	---	---	---	111	89	98	86	67	75	87	69	77
10	---	---	---	113	88	99	87	69	76	89	69	76
11	---	---	---	117	85	99	73	63	67	---	---	---
12	---	---	---	118	82	98	---	---	---	78	57	66
13	---	---	---	122	82	100	71	56	63	77	57	65
14	113	105	109	130	78	102	75	57	65	83	58	69
15	120	103	110	136	74	103	72	61	67	87	63	72
16	115	101	106	99	74	85	71	59	67	89	62	72
17	112	99	104	120	86	99	61	53	57	92	59	71
18	113	98	104	124	85	102	56	51	53	88	58	70
19	114	96	104	131	87	106	60	50	54	90	61	72
20	115	95	103	136	86	109	64	52	59	92	63	74
21	117	93	102	143	81	110	57	50	53	92	65	74
22	121	89	102	136	76	105	56	48	51	101	65	77
23	120	86	100	133	77	103	58	46	51	95	63	76
24	116	84	100	125	74	99	58	46	51	102	64	77
25	98	87	93	114	69	91	53	41	47	107	60	76
26	104	89	95	103	66	84	54	39	45	102	60	76
27	111	86	96	100	67	83	50	37	44	100	62	77
28	117	85	98	91	60	75	65	40	54	102	64	77
29	---	---	---	72	58	66	67	48	57	105	60	78
30	---	---	---	---	---	---	75	52	62	108	65	81
31	---	---	---	84	61	72	---	---	---	119	63	84
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	120	67	86	81	75	77	72	60	65	69	30	48
2	98	68	79	80	76	78	79	61	67	71	30	51
3	90	68	75	81	73	77	87	63	71	67	42	54
4	97	68	81	80	71	74	96	64	75	67	40	53
5	105	73	84	80	71	74	96	58	71	67	46	56
6	114	70	85	79	67	71	---	---	---	---	---	---
7	113	74	89	79	66	70	---	---	---	---	---	---
8	---	---	---	81	63	73	---	---	---	---	---	---
9	101	57	70	81	66	72	---	---	---	---	---	---
10	89	58	70	83	64	71	93	46	67	---	---	---
11	74	59	66	83	63	70	86	42	62	---	---	---
12	87	59	68	84	63	71	85	44	64	---	---	---
13	90	61	72	81	66	71	77	44	60	---	---	---
14	87	65	74	83	67	73	84	45	59	---	---	---
15	86	73	78	86	68	76	77	44	56	---	---	---
16	79	71	74	82	67	75	79	38	54	---	---	---
17	80	70	73	83	67	73	51	32	42	---	---	---
18	80	68	72	82	64	70	60	35	45	---	---	---
19	78	65	70	82	61	68	57	41	50	---	---	---
20	76	60	68	78	60	66	60	44	52	---	---	---
21	78	61	70	84	59	69	---	---	---	---	---	---
22	80	67	71	84	63	71	---	---	---	---	---	---
23	86	70	76	---	---	---	---	---	---	---	---	---
24	92	68	77	---	---	---	---	---	---	---	---	---
25	94	71	86	---	---	---	---	---	---	72	46	59
26	94	75	87	102	67	79	---	---	---	74	43	60
27	77	68	73	107	62	78	---	---	---	73	50	61
28	78	68	74	87	51	76	78	38	53	72	53	63
29	92	67	75	74	67	71	70	36	50	76	57	64
30	85	70	79	72	63	67	77	38	52	83	65	71
31	---	---	---	72	62	65	76	36	51	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	2.6	0.6	1.0	13	5.6	8.5	48	7.1	19	---	---	---
2	1.9	0.5	1.0	9.5	4.0	6.8	18	7.3	11	---	---	---
3	2.8	0.9	1.7	6.0	3.5	4.8	10	6.6	8.3	---	---	---
4	3.6	1.7	2.2	7.3	2.7	4.7	9.3	4.1	6.5	18	7.4	9.6
5	2.4	1.1	1.6	8.6	2.0	4.2	9.3	2.5	5.2	650	7.1	64
6	3.8	0.0	1.4	4.3	1.2	2.7	6.7	2.3	3.8	460	44	140
7	1.9	0.0	0.6	30	1.7	8.3	7.2	1.8	3.7	360	26	95
8	95	0.0	18	140	23	42	6.2	1.8	3.2	---	---	---
9	---	---	---	26	7.5	15	6.0	1.3	2.5	74	28	44
10	---	---	---	11	4.4	7.0	3.0	1.1	1.8	32	17	21
11	---	---	---	13	4.5	6.5	3.6	0.7	1.8	---	---	---
12	---	---	---	340	9.7	160	5.2	0.7	2.0	17	11	13
13	5.5	2.4	3.3	110	41	62	2.9	0.8	1.8	16	9.0	11
14	4.3	1.5	2.4	48	22	31	3.4	0.8	2.0	19	6.0	8.6
15	5.9	1.5	2.5	39	18	23	3.4	0.8	1.7	12	7.0	8.6
16	5.8	1.7	3.5	980	39	370	4.5	0.9	2.1	13	6.0	8.2
17	910	3.8	180	---	---	---	4.2	1.1	2.5	15	3.1	8.2
18	460	48	150	---	---	---	4.2	1.3	2.8	12	3.6	5.9
19	59	22	36	---	---	---	5.5	2.0	3.0	12	5.3	7.6
20	25	12	18	---	---	---	4.9	0.0	2.1	14	3.8	5.5
21	23	7.5	12	580	5.3	98	2.0	0.0	0.9	260	2.5	15
22	10	3.8	7.6	410	160	240	700	0.3	140	270	52	120
23	6.6	0.5	3.5	170	42	77	190	42	94	78	24	38
24	5.1	0.0	2.3	53	25	36	50	24	32	24	13	18
25	2.5	0.0	1.1	34	18	23	---	---	---	17	9.3	12
26	3.4	0.0	1.5	25	14	18	---	---	---	10	5.9	7.8
27	74	0.1	7.3	20	9.9	13	---	---	---	7.7	4.0	5.5
28	690	74	270	13	7.3	10	---	---	---	15	3.6	5.7
29	120	34	57	11	5.7	8.1	---	---	---	7.5	2.1	4.2
30	34	14	23	9.5	5.8	7.1	---	---	---	4.9	1.1	2.5
31	17	8.2	12	---	---	---	---	---	---	5.6	0.0	2.0
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	160	0.0	41	---	---	---	---	---	---	---	---	---
2	51	23	34	670	96	370	---	---	---	---	---	---
3	26	14	19	120	41	71	---	---	---	---	---	---
4	14	5.7	9.1	52	24	35	---	---	---	---	---	---
5	8.5	1.0	3.3	36	18	23	---	---	---	8.0	5.4	6.4
6	4.1	0.0	0.9	20	10	15	---	---	---	8.4	5.6	6.6
7	7.4	0.0	3.2	14	6.3	9.9	---	---	---	---	---	---
8	6.4	1.6	2.8	11	2.5	4.8	---	---	---	8.7	5.2	6.4
9	6.9	1.7	2.6	---	---	---	---	---	---	8.0	6.0	6.8
10	5.0	0.0	1.7	---	---	---	---	---	---	---	---	---
11	7.0	0.0	1.1	---	---	---	---	---	---	---	---	---
12	7.5	0.0	1.1	---	---	---	---	---	---	14	4.7	6.3
13	290	0.0	19	---	---	---	58	12	36	9.8	4.3	5.6
14	---	---	---	---	---	---	14	5.5	7.8	6.6	3.8	4.9
15	57	21	35	---	---	---	1,050	5.3	330	5.7	4.4	4.9
16	24	8.3	15	---	---	---	130	41	66	6.8	4.6	5.2
17	17	4.6	7.2	48	4.2	14	44	15	27	6.3	3.2	4.7
18	8.3	1.5	3.7	---	---	---	16	3.8	8.7	5.2	3.3	4.3
19	---	---	---	---	---	---	5.4	1.0	2.9	---	---	---
20	---	---	---	---	---	---	32	3.8	22	---	---	---
21	---	---	---	---	---	---	31	13	19	---	---	---
22	---	---	---	---	---	---	13	2.8	6.3	2.6	0.6	1.5
23	---	---	---	---	---	---	---	---	---	3.0	1.0	2.0
24	---	---	---	---	---	---	---	---	---	2.9	0.9	1.9
25	---	---	---	---	---	---	3.0	1.0	1.7	4.6	1.6	2.5
26	140	32	63	---	---	---	---	---	---	3.9	1.2	2.6
27	38	10	20	---	---	---	---	---	---	5.6	2.6	3.3
28	12	2.5	5.9	---	---	---	---	---	---	4.7	2.4	3.4
29	---	---	---	---	---	---	---	---	---	14	2.1	3.2
30	---	---	---	---	---	---	---	---	---	7.4	2.9	4.4
31	---	---	---	---	---	---	---	---	---	4.5	2.6	3.5
Month	---	---	---	---	---	---	---	---	---	---	---	---

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	4.9	2.7	3.7	190	61	98	48	25	31	3.1	1.7	2.4
2	5.1	2.1	3.1	72	47	62	28	19	23	2.5	1.2	1.9
3	18	2.1	6.5	49	28	38	22	14	18	2.3	1.1	1.5
4	8.2	3.6	5.6	36	21	27	26	9.4	14	5.1	1.1	1.7
5	5.9	3.4	4.1	27	16	20	13	9.0	11	2.2	0.9	1.5
6	4.6	3.1	3.8	28	14	18	15	7.5	9.8	---	---	---
7	11	3.9	4.8	17	13	15	26	5.6	8.2	---	---	---
8	---	---	---	47	14	27	24	4.6	6.8	---	---	---
9	4.4	1.5	2.7	27	14	19	10	3.2	5.2	---	---	---
10	12	2.5	4.2	24	12	15	7.9	2.4	3.8	---	---	---
11	6.0	1.7	3.2	21	14	15	7.0	2.4	3.3	---	---	---
12	11	2.2	3.9	22	11	14	11	1.9	3.3	---	---	---
13	11	2.2	3.4	21	9.3	12	6.8	1.8	3.5	---	---	---
14	910	3.1	70	18	8.5	11	5.6	2.9	4.0	---	---	---
15	1,020	270	490	1,070	8.9	130	4.3	3.1	3.7	---	---	---
16	280	120	180	360	32	92	5.0	3.4	4.0	3.4	0.7	1.7
17	120	67	91	43	15	24	17	3.1	4.1	7.8	3.4	6.4
18	91	50	60	26	16	20	6.2	2.3	3.2	7.6	2.9	4.4
19	57	31	40	24	18	20	16	1.8	3.3	3.3	2.0	2.6
20	32	18	24	27	14	19	7.5	2.0	3.5	2.2	1.2	1.8
21	770	16	30	18	11	14	---	---	---	1.7	0.9	1.3
22	35	13	18	14	8.8	11	---	---	---	1.5	0.4	1.1
23	26	9.4	13	11	5.9	7.7	---	---	---	1.4	0.1	0.8
24	46	6.8	12	10	6.4	7.8	---	---	---	---	---	---
25	---	---	---	8.1	5.5	6.7	---	---	---	1.6	0.2	0.8
26	---	---	---	9.0	3.5	5.9	---	---	---	1.6	0.0	0.6
27	120	56	79	8.0	2.6	4.0	---	---	---	1.7	0.0	0.6
28	62	37	45	1,010	3.3	540	16	2.5	4.4	3.7	0.0	0.6
29	1,140	33	170	310	91	180	12	2.4	4.9	7.4	0.0	0.3
30	450	100	160	93	53	69	3.8	2.3	2.9	0.3	0.0	0.0
31	---	---	---	56	35	44	3.3	2.2	2.8	---	---	---
Month	---	---	---	1,070	2.6	51	---	---	---	---	---	---