

## 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.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from November 1999 to current year, optical backscatterance sensor from April 2000 to current year.

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. No flow Aug. 11-16, 2002.

EXTREMES FOR PERIOD OF DAILY RECORD.--Extremes listed below may have been exceeded during periods of missing record.

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	414, April 25, 2001	51, August 17, 2002
pH, standard units	8.2, March 9, 2000	6.1, March 21, 2001
WATER TEMPERATURE, °C	27.7, July 30, 2002	0.2, January 28, 2000, January 4, 2001, January 5, 6, 2002
DISSOLVED OXYGEN, mg/L	12.9, January 27, 2000, January 3, 11, 2001	2.5, August 24, 2002
DISSOLVED OXYGEN, PERCENT SATURATION,%	116, March 9, 2000	29, October 26, 2001

EXTREMES FOR CURRENT YEAR.--Extremes listed below may have been exceeded during periods of missing record.

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	402, August 17, 18	51, August 17
pH, standard units	8.0, February 23, 25, 26, March 29	6.2, October 17
WATER TEMPERATURE, °C	27.7, July 30	0.2, January 5, 6
DISSOLVED OXYGEN, mg/L	12.6, March 1	2.5, August 24
DISSOLVED OXYGEN, PERCENT SATURATION,%	112, March 29	29, October 26

02124692 GOOSE CREEK AT FAIRVIEW, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
NOV				
08...	1015	.54	11	.02
08...	1025	.54	9.3	.01
MAR				
12...	1525	5.3	3.7	.05
12...	1640	5.7	3.7	.06
21...	1330	157	115	48.7
MAY				
23...	1215	1.1	28	.08
23...	1218	1.1	30	.09
JUN				
07...	1030	14	57	2.2
10...	1040	.46	53	.07
10...	1115	.46	49	.06
JUL				
23...	1512	3.4	141	1.3
23...	1543	3.1	166	1.4
23...	1557	3.1	156	1.3
23...	1714	2.6	223	1.6
23...	2015	1.9	254	1.3
23...	2030	1.7	263	1.2
24...	1030	.73	210	.41
24...	1058	.73	172	.34
24...	1130	.73	164	.32
24...	1200	.73	196	.39
24...	1447	.63	153	.26
30...	1415	.39	18	.02
AUG				
02...	1200	.22	15	.01
20...	1245	.22	43	.03
22...	1015	.27	23	.02
22...	1130	.18	22	.01
31...	1719	474	659	844
31...	1745	386	562	586
SEP				
03...	1315	4.3	46	.54
27...	1045	2.9	12	.09

## PEE DEE RIVER BASIN

02124692 GOOSE CREEK AT FAIRVIEW, NC--Continued

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	145	142	143	294	289	291	337	336	336	280	278	279
2	147	144	145	306	294	301	337	335	336	280	276	279
3	148	146	147	315	306	312	337	336	336	281	274	277
4	150	148	149	321	315	319	336	334	335	286	280	284
5	152	150	151	323	319	321	337	333	334	289	282	286
6	157	142	149	326	321	324	333	330	332	288	177	254
7	230	157	188	326	320	323	330	324	328	219	172	189
8	275	230	250	324	322	323	324	307	316	219	212	214
9	307	275	292	325	323	324	307	299	302	222	214	220
10	323	307	315	326	323	325	300	255	289	230	221	226
11	329	323	326	326	325	325	347	166	195	228	226	227
12	329	321	326	325	322	324	225	198	213	230	225	226
13	321	311	316	322	319	321	242	225	233	236	229	232
14	311	109	249	328	317	321	256	242	249	248	233	242
15	161	127	145	327	322	324	271	256	267	243	239	241
16	176	161	169	334	327	331	269	261	265	250	242	244
17	184	176	180	338	334	336	262	252	260	254	250	253
18	188	184	186	342	338	340	325	251	274	255	246	252
19	191	188	189	346	341	344	279	265	269	246	136	226
20	197	191	193	349	345	347	277	268	274	162	131	147
21	202	197	200	351	348	349	268	242	256	214	162	183
22	206	202	205	351	349	350	242	227	234	207	180	184
23	207	206	206	350	344	349	227	221	223	244	108	151
24	210	205	207	349	338	345	221	220	220	199	126	151
25	210	182	200	351	339	346	228	221	223	206	132	151
26	218	200	210	340	338	339	242	228	236	165	142	153
27	240	218	226	341	339	340	256	242	250	178	165	169
28	272	240	258	341	335	339	261	255	258	187	178	184
29	291	271	283	337	335	336	271	261	265	199	185	191
30	295	291	294	337	335	336	277	271	274	204	199	200
31	293	290	292	---	---	---	280	277	278	205	201	204
MONTH	329	109	219	351	289	330	347	166	273	289	108	217

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	210	202	207	217	211	213	137	97	109	242	239	241
2	208	205	207	243	108	209	136	120	129	243	240	241
3	205	178	190	132	103	111	148	136	142	243	235	241
4	197	183	192	132	112	124	151	148	150	243	219	236
5	200	193	196	147	132	139	158	151	156	235	149	173
6	205	200	202	156	147	153	165	156	160	149	144	145
7	236	134	169	166	156	162	169	161	163	165	145	154
8	146	117	127	174	166	169	171	165	167	175	165	171
9	155	135	146	179	173	175	175	171	173	184	175	179
10	183	154	168	185	179	182	184	174	178	199	184	191
11	177	173	175	186	184	185	184	177	180	202	198	200
12	183	174	179	192	180	186	182	175	179	215	201	206
13	190	182	185	214	159	188	181	176	178	221	191	215
14	196	188	190	159	147	150	186	181	182	238	123	171
15	193	190	192	160	147	155	189	186	187	143	123	134
16	195	192	193	169	158	163	193	189	191	151	143	147
17	196	192	194	225	143	176	196	193	195	157	143	154
18	194	192	193	143	134	138	204	195	201	168	146	155
19	195	192	193	153	142	147	209	204	207	211	168	199
20	199	193	196	172	153	159	211	208	210	210	203	205
21	205	196	199	187	126	152	218	211	213	210	200	207
22	205	200	203	146	130	137	220	218	219	200	175	188
23	205	197	200	165	144	151	---	---	---	175	173	174
24	202	197	199	163	157	160	---	---	---	185	175	178
25	202	197	199	170	161	166	223	220	222	204	185	192
26	---	---	---	177	164	170	223	221	222	220	204	210
27	---	---	---	178	176	177	229	223	224	229	220	224
28	211	203	206	178	174	176	234	229	231	234	229	231
29	---	---	---	178	168	172	238	234	236	235	233	234
30	---	---	---	182	172	177	241	237	238	235	230	233
31	---	---	---	184	134	176	---	---	---	237	227	235
MONTH	---	---	---	243	103	164	---	---	---	243	123	196

02124692 GOOSE CREEK AT FAIRVIEW, NC--Continued

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	242	220	238	280	275	277	147	140	142	131	95	117
2	252	242	246	285	280	282	143	135	139	139	129	132
3	257	252	254	292	285	288	142	138	140	144	138	141
4	260	257	258	295	292	293	153	142	150	138	133	135
5	269	260	264	329	295	305	157	153	155	140	135	137
6	277	239	269	346	329	339	161	157	159	144	140	142
7	286	224	245	350	343	346	168	161	165	148	144	146
8	237	210	225	346	343	344	170	167	169	152	148	149
9	210	200	205	347	344	346	171	168	169	154	150	153
10	200	187	194	349	346	347	170	167	168	159	154	156
11	187	182	184	351	348	349	---	---	---	163	159	160
12	182	180	181	351	347	350	---	---	---	165	163	163
13	182	180	180	351	317	347	---	---	---	168	165	166
14	183	181	182	328	317	324	---	---	---	168	165	167
15	186	183	184	366	327	343	---	---	---	325	95	131
16	189	186	187	382	366	375	---	---	---	143	100	117
17	191	188	189	383	377	381	402	51	253	132	121	125
18	197	191	194	383	379	381	402	326	367	143	132	138
19	199	194	197	383	380	382	326	312	316	150	143	146
20	200	197	198	385	382	384	312	306	308	159	150	153
21	207	200	203	385	382	384	306	304	305	177	158	164
22	214	207	210	386	382	384	305	302	303	230	174	191
23	222	214	217	393	336	372	303	301	302	176	174	175
24	229	222	224	336	183	307	303	300	302	181	175	177
25	235	228	230	183	81	93	304	251	294	180	177	179
26	251	235	243	112	96	103	286	276	281	190	166	179
27	258	251	254	122	112	116	284	252	275	284	190	247
28	266	258	260	130	122	126	289	276	285	331	284	304
29	273	266	269	138	130	134	286	253	278	336	299	326
30	276	273	274	144	137	140	253	238	244	299	245	273
31	---	---	---	146	140	142	238	70	142	---	---	---
MONTH	286	180	222	393	81	293	---	---	---	336	95	170

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.9	6.9	6.7	6.6	6.6	7.4	7.1	7.2	7.6	7.3	7.4
2	7.0	6.9	6.9	6.7	6.6	6.6	7.5	7.1	7.2	7.6	7.3	7.4
3	7.0	6.9	6.9	6.7	6.6	6.7	7.3	7.2	7.2	7.6	7.3	7.4
4	7.0	6.9	7.0	6.8	6.7	6.8	7.3	7.2	7.2	7.5	7.3	7.4
5	7.1	6.9	7.0	6.8	6.7	6.8	7.3	7.2	7.2	7.6	7.4	7.5
6	7.0	6.8	6.9	6.8	6.7	6.7	7.3	7.1	7.2	7.5	7.0	7.3
7	7.1	6.9	7.0	6.8	6.6	6.7	7.3	7.2	7.2	7.1	7.0	7.1
8	7.1	7.1	7.1	6.8	6.6	6.7	7.3	7.2	7.2	7.2	7.1	7.1
9	7.1	7.0	7.1	6.8	6.8	6.8	7.3	7.2	7.2	7.2	7.1	7.2
10	7.1	7.0	7.0	6.8	6.8	6.8	7.2	7.1	7.2	7.2	7.2	7.2
11	7.0	6.9	6.9	6.9	6.8	6.9	7.2	6.9	7.0	7.3	7.1	7.2
12	6.9	6.8	6.9	6.9	6.9	6.9	7.0	6.9	7.0	7.3	7.1	7.2
13	6.8	6.7	6.8	7.0	6.9	6.9	7.0	6.9	6.9	7.3	7.1	7.2
14	6.8	6.3	6.6	7.0	6.9	7.0	7.0	6.9	6.9	7.3	7.1	7.2
15	6.6	6.3	6.5	7.0	7.0	7.0	7.0	6.9	6.9	7.3	7.1	7.2
16	6.4	6.3	6.4	7.1	7.0	7.1	7.0	7.0	7.0	7.3	7.0	7.2
17	6.5	6.2	6.3	7.2	7.1	7.1	7.1	7.0	7.1	7.3	7.0	7.1
18	6.6	6.4	6.5	7.1	7.1	7.1	7.2	7.0	7.1	7.5	7.0	7.2
19	6.5	6.3	6.4	7.1	7.1	7.1	7.2	7.2	7.2	7.3	6.8	7.2
20	6.4	6.3	6.3	7.1	7.1	7.1	7.3	7.2	7.2	6.9	6.7	6.8
21	6.4	6.3	6.3	7.1	7.1	7.1	7.2	7.0	7.1	7.1	6.9	7.0
22	6.4	6.3	6.4	7.2	7.1	7.1	7.1	7.0	7.0	7.1	7.0	7.0
23	6.5	6.4	6.4	7.2	7.1	7.2	7.0	6.9	7.0	7.1	6.7	6.8
24	6.5	6.3	6.4	7.2	7.1	7.2	7.1	6.9	7.0	7.0	6.7	6.9
25	6.6	6.4	6.5	7.2	7.1	7.2	7.1	6.9	7.0	6.9	6.8	6.8
26	6.7	6.5	6.6	7.2	7.1	7.1	7.1	6.9	7.0	7.0	6.9	6.9
27	6.7	6.6	6.7	7.2	7.1	7.2	7.4	6.9	7.1	7.0	7.0	7.0
28	6.7	6.6	6.7	7.3	7.1	7.2	7.4	7.2	7.3	7.1	7.0	7.0
29	6.7	6.6	6.7	7.4	7.1	7.2	7.5	7.2	7.3	7.1	7.0	7.1
30	6.7	6.6	6.7	7.4	7.2	7.3	7.6	7.3	7.4	7.2	7.1	7.1
31	6.7	6.6	6.7	---	---	---	7.6	7.3	7.4	7.2	7.1	7.1
MONTH	7.1	6.2	6.7	7.4	6.6	7.0	7.6	6.9	7.1	7.6	6.7	7.1

PEE DEE RIVER BASIN

02124692 GOOSE CREEK AT FAIRVIEW, NC--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.2	7.1	7.2	7.8	7.4	7.6	6.9	6.6	6.7	7.2	7.0	7.2
2	7.3	7.2	7.2	7.6	6.8	7.4	7.0	6.7	6.9	7.2	7.0	7.1
3	7.3	7.2	7.3	6.8	6.8	6.8	7.2	6.9	7.0	7.2	7.1	7.1
4	7.4	7.2	7.3	7.0	6.8	6.9	7.3	7.0	7.1	7.3	7.1	7.1
5	7.4	7.3	7.4	7.1	7.0	7.0	7.3	7.1	7.2	7.3	7.0	7.2
6	7.5	7.3	7.4	7.3	6.9	7.1	7.4	7.1	7.2	7.0	6.9	7.0
7	7.5	7.1	7.3	7.2	7.0	7.1	7.5	7.2	7.3	7.2	6.9	7.0
8	7.2	7.0	7.1	7.2	7.0	7.1	7.5	7.2	7.3	7.2	7.1	7.1
9	7.1	7.0	7.1	7.3	6.9	7.1	7.4	7.2	7.3	7.2	7.1	7.1
10	7.1	7.0	7.0	7.4	6.9	7.1	7.4	7.1	7.2	7.2	7.1	7.1
11	7.2	7.0	7.1	7.4	6.8	7.1	7.4	7.1	7.3	7.2	7.1	7.2
12	7.1	7.0	7.0	7.1	6.8	7.0	7.3	7.1	7.2	7.2	7.2	7.2
13	7.1	7.0	7.0	7.2	7.0	7.1	7.3	7.1	7.2	7.2	7.1	7.2
14	7.3	6.9	7.1	7.3	7.0	7.1	7.3	7.1	7.2	7.2	7.0	7.1
15	7.4	7.2	7.3	7.5	7.1	7.3	7.3	7.2	7.2	7.2	7.0	7.1
16	7.4	7.2	7.3	7.6	7.2	7.3	7.2	7.1	7.2	7.2	7.0	7.1
17	7.6	7.2	7.4	7.3	7.0	7.2	7.2	7.1	7.2	7.1	7.0	7.1
18	7.6	7.3	7.4	7.3	7.0	7.2	7.2	7.1	7.1	7.1	7.0	7.1
19	7.7	7.4	7.5	7.4	7.2	7.3	7.2	7.0	7.1	7.3	7.1	7.2
20	7.7	7.4	7.5	7.5	7.3	7.4	7.1	7.0	7.1	7.3	7.3	7.3
21	7.8	7.4	7.6	7.4	7.0	7.2	7.2	7.1	7.1	7.3	7.2	7.3
22	7.9	7.4	7.6	7.1	7.0	7.1	7.1	7.1	7.1	7.3	7.1	7.2
23	8.0	7.3	7.6	7.2	7.0	7.1	---	---	---	7.2	7.1	7.2
24	7.9	7.3	7.6	7.3	7.1	7.2	---	---	---	7.2	7.1	7.2
25	8.0	7.4	7.6	7.5	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.2
26	---	---	---	7.6	7.1	7.3	7.3	7.2	7.2	7.3	7.2	7.2
27	---	---	---	7.7	7.2	7.4	7.4	7.2	7.3	7.3	7.1	7.2
28	7.8	7.4	7.6	7.9	7.3	7.5	7.3	7.2	7.2	7.2	7.1	7.1
29	---	---	---	8.0	7.2	7.5	7.2	7.1	7.2	7.3	7.1	7.2
30	---	---	---	7.7	7.1	7.3	7.2	7.1	7.2	7.3	7.2	7.2
31	---	---	---	7.3	6.9	7.1	---	---	---	7.2	7.0	7.1
MONTH	---	---	---	8.0	6.8	7.2	---	---	---	7.3	6.9	7.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.2	7.1	7.1	7.4	7.2	7.3	7.2	7.0	7.1	7.2	7.0	7.1
2	7.2	7.1	7.1	7.4	7.2	7.3	7.3	6.8	7.1	7.2	7.2	7.2
3	7.2	7.0	7.1	7.4	7.2	7.3	7.3	7.1	7.2	7.3	7.2	7.2
4	7.0	6.9	7.0	7.4	7.2	7.3	7.2	7.1	7.1	7.2	7.1	7.2
5	7.2	7.0	7.0	7.3	7.1	7.2	7.3	7.2	7.2	7.2	7.0	7.1
6	7.2	7.0	7.1	7.3	7.2	7.3	7.3	7.2	7.3	7.1	7.0	7.0
7	7.1	6.9	7.0	7.4	7.2	7.3	7.3	7.1	7.2	7.1	7.0	7.0
8	7.0	6.9	6.9	7.5	7.2	7.3	7.3	7.1	7.2	7.0	6.9	6.9
9	7.0	6.9	7.0	7.6	7.2	7.4	7.3	7.2	7.3	7.0	6.9	6.9
10	7.0	6.9	7.0	7.6	7.3	7.4	7.3	7.2	7.2	7.0	6.8	6.9
11	7.0	7.0	7.0	7.4	7.2	7.3	---	---	---	6.9	6.8	6.8
12	7.1	7.0	7.1	7.6	7.2	7.4	---	---	---	6.9	6.7	6.8
13	7.2	7.1	7.1	7.5	7.3	7.4	---	---	---	6.9	6.8	6.8
14	7.2	7.1	7.1	7.3	7.2	7.2	---	---	---	6.8	6.6	6.7
15	7.2	7.1	7.2	7.3	7.2	7.2	---	---	---	6.8	6.4	6.6
16	7.2	7.1	7.2	7.3	7.2	7.2	---	---	---	6.8	6.5	6.7
17	7.2	7.0	7.1	7.4	7.2	7.3	7.2	6.4	7.0	6.9	6.7	6.8
18	7.1	7.0	7.1	7.4	7.2	7.3	7.0	6.9	7.0	6.9	6.7	6.8
19	7.2	7.0	7.1	7.4	7.2	7.3	7.0	7.0	7.0	6.9	6.8	6.9
20	7.2	7.1	7.2	7.4	7.1	7.2	7.1	6.9	7.0	7.0	6.9	6.9
21	7.3	7.2	7.2	7.4	7.2	7.3	7.0	6.8	6.9	7.0	6.9	7.0
22	7.4	7.2	7.3	7.4	7.2	7.3	7.0	6.8	6.9	7.0	6.9	6.9
23	7.4	7.3	7.4	7.3	6.9	7.2	7.0	6.8	6.9	7.0	6.9	7.0
24	7.4	7.3	7.3	7.2	6.8	7.1	7.0	6.8	6.9	7.5	7.0	7.2
25	7.5	7.3	7.4	6.8	6.6	6.6	6.9	6.8	6.8	7.4	7.4	7.4
26	7.5	7.3	7.4	6.7	6.6	6.6	7.0	6.7	6.8	7.4	7.2	7.3
27	7.6	7.4	7.4	6.7	6.6	6.7	6.9	6.8	6.8	7.4	7.2	7.3
28	7.5	7.3	7.4	7.0	6.7	6.9	7.3	6.8	7.0	7.4	7.2	7.2
29	7.4	7.2	7.3	6.8	6.6	6.7	7.3	7.2	7.3	7.2	7.1	7.2
30	7.4	7.2	7.2	6.8	6.6	6.7	7.4	7.3	7.4	7.1	7.0	7.1
31	---	---	---	7.1	6.8	6.9	7.5	6.8	7.1	---	---	---
MONTH	7.6	6.9	7.2	7.6	6.6	7.2	---	---	---	7.5	6.4	7.0

02124692 GOOSE CREEK AT FAIRVIEW, NC--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.1	11.5	13.5	11.7	8.0	9.8	16.4	12.9	14.6	4.8	2.6	3.5
2	15.9	12.3	14.2	13.1	9.9	11.5	14.2	10.8	12.3	2.8	0.9	2.3
3	16.8	13.0	15.0	15.4	12.3	13.6	12.4	9.0	10.5	1.7	1.1	1.5
4	17.1	13.7	15.4	14.4	11.7	13.2	11.3	7.5	9.2	2.2	0.4	1.1
5	17.8	14.2	16.1	12.8	9.9	11.2	11.7	7.5	9.3	1.9	0.2	1.0
6	17.2	15.0	16.6	11.3	8.0	9.7	12.7	8.4	10.2	2.2	0.2	0.9
7	15.0	12.9	14.2	11.3	7.2	9.2	13.1	9.2	10.9	3.7	2.2	3.0
8	13.3	11.0	12.4	11.2	7.3	9.2	13.3	10.3	11.8	3.4	2.0	2.6
9	12.7	10.2	11.6	11.6	7.7	9.5	12.7	10.9	11.6	3.3	1.6	2.5
10	13.6	10.3	11.9	11.9	6.7	9.2	10.9	9.3	10.1	5.9	3.1	4.5
11	14.9	11.7	13.3	11.4	7.9	9.7	10.3	8.8	9.6	8.1	5.8	6.9
12	15.5	13.5	14.5	10.7	7.3	8.9	10.9	10.3	10.6	6.5	4.8	5.9
13	16.6	13.5	15.2	9.4	5.6	7.5	11.8	10.9	11.4	6.5	4.8	5.8
14	20.2	15.5	17.2	8.9	5.8	7.3	13.5	11.8	12.7	5.2	3.8	4.6
15	19.2	16.1	17.4	9.8	6.9	8.1	13.2	11.2	12.4	5.8	3.6	4.8
16	16.1	13.8	15.0	10.8	6.1	8.4	11.2	9.6	10.2	4.9	3.0	4.2
17	13.8	11.8	12.9	11.5	7.0	9.7	11.6	9.7	10.6	5.3	3.0	4.3
18	12.3	9.8	11.2	10.8	6.9	8.8	11.8	10.6	11.3	7.2	5.3	5.9
19	12.2	9.0	10.7	12.3	8.2	9.8	10.6	9.0	9.7	5.8	4.6	5.3
20	12.8	10.0	11.5	11.1	8.0	9.5	9.0	7.0	8.0	6.4	4.9	5.6
21	13.7	10.6	12.2	9.3	6.1	7.6	7.2	5.2	6.1	7.3	5.5	6.2
22	15.0	12.4	13.6	8.9	5.2	7.0	6.2	4.3	5.1	6.7	4.8	5.8
23	16.3	13.4	14.7	9.3	5.5	7.4	6.8	4.3	5.4	8.4	6.2	7.1
24	17.5	14.0	15.7	10.9	8.6	9.8	8.3	5.8	7.1	10.7	8.4	9.6
25	17.3	14.9	16.5	13.2	10.7	12.0	6.0	4.4	5.2	10.9	8.5	10.2
26	15.0	12.6	14.0	14.6	12.4	13.3	6.1	3.5	4.8	8.5	5.9	7.0
27	12.6	9.9	11.2	15.6	12.6	13.9	4.9	2.7	3.5	8.2	5.6	6.7
28	10.5	7.9	9.2	16.0	12.5	14.1	5.1	2.6	3.7	10.3	8.1	9.1
29	10.2	6.6	8.5	16.5	12.8	14.5	6.6	3.9	4.9	11.2	8.8	10.1
30	10.7	6.7	8.7	16.2	14.9	15.5	5.5	3.4	4.2	13.4	10.8	12.1
31	10.7	7.0	8.8	---	---	---	4.6	3.0	3.8	14.6	12.3	13.4
MONTH	20.2	6.6	13.3	16.5	5.2	10.3	16.4	2.6	8.7	14.6	0.2	5.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	16.1	13.9	14.9	7.1	3.3	5.4	17.4	14.0	15.6	18.8	16.6	17.7
2	14.6	10.1	12.6	8.1	5.1	6.0	17.3	13.3	15.5	21.1	18.2	19.5
3	10.1	8.2	8.9	10.5	8.0	9.1	19.4	15.6	17.4	20.5	18.8	19.7
4	8.2	5.6	7.3	9.8	6.6	7.9	17.9	14.3	15.8	18.8	15.5	17.0
5	5.8	4.1	5.1	6.6	4.1	5.6	15.5	12.3	13.8	16.0	14.7	15.4
6	5.4	4.5	5.0	8.2	4.7	6.4	14.8	11.8	13.0	16.5	14.7	15.7
7	7.0	4.8	5.8	9.9	6.1	7.9	14.5	10.5	12.3	18.8	16.2	17.4
8	8.6	6.1	7.3	11.5	7.5	9.4	15.6	11.1	13.3	20.3	18.1	19.1
9	8.2	6.0	7.3	13.5	9.7	11.7	16.7	13.8	15.3	21.7	19.8	20.6
10	9.0	7.6	8.2	13.8	11.3	12.5	18.6	15.7	16.9	21.5	20.1	20.9
11	9.5	8.2	8.8	12.0	8.7	10.6	19.5	16.3	17.9	20.8	19.5	20.1
12	8.2	6.0	7.2	10.6	9.2	9.9	18.6	17.0	17.4	20.7	18.9	19.8
13	7.9	6.3	7.0	11.6	10.0	10.8	18.4	16.4	17.5	21.8	20.0	20.7
14	8.0	5.8	6.7	13.8	10.7	12.2	19.5	16.6	18.2	20.2	17.6	18.9
15	8.3	5.2	6.7	16.7	13.5	14.9	20.7	18.2	19.6	17.6	15.9	16.8
16	9.9	6.7	8.1	17.7	14.9	16.2	22.2	19.1	20.7	18.0	15.7	16.9
17	9.0	6.9	7.9	16.4	13.3	15.2	22.7	20.1	21.5	19.8	17.1	18.3
18	7.6	5.0	6.4	13.3	11.7	12.5	22.9	20.6	22.0	19.4	17.1	18.7
19	7.4	4.2	6.0	13.8	12.4	13.1	23.0	21.3	22.3	17.1	15.2	16.0
20	9.2	6.5	8.0	14.9	13.1	13.9	22.8	21.5	22.2	15.2	13.9	14.6
21	11.9	9.0	10.3	14.6	12.9	13.8	23.1	21.1	22.2	14.6	13.4	14.1
22	10.6	8.7	9.9	12.9	10.1	11.2	22.7	20.5	22.0	14.8	12.3	13.5
23	10.1	8.5	9.3	10.7	7.8	9.5	---	---	---	15.1	11.6	13.4
24	9.7	6.4	8.1	12.6	8.6	10.5	---	---	---	16.4	12.6	14.5
25	9.7	5.8	7.9	15.4	10.9	13.0	19.4	17.1	18.0	17.7	14.5	16.1
26	---	---	---	16.9	14.2	15.6	17.5	15.9	16.7	18.8	15.7	17.3
27	---	---	---	17.9	14.8	16.2	17.1	15.5	16.2	20.0	17.2	18.5
28	7.2	3.9	5.6	15.4	12.7	14.0	19.0	16.7	17.8	20.2	17.1	18.7
29	---	---	---	16.1	11.5	13.7	20.3	18.0	19.0	20.4	17.7	19.1
30	---	---	---	16.4	13.9	15.1	18.4	16.3	17.3	20.8	18.9	19.7
31	---	---	---	16.7	15.1	15.9	---	---	---	22.3	19.4	20.7
MONTH	---	---	---	17.9	3.3	11.6	---	---	---	22.3	11.6	17.7

## PEE DEE RIVER BASIN

02124692 GOOSE CREEK AT FAIRVIEW, NC--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.1	20.0	21.4	24.9	22.1	23.5	25.9	24.0	25.1	20.9	20.2	20.5
2	23.9	20.6	22.2	25.1	22.2	23.7	25.8	23.4	24.6	21.4	20.3	20.8
3	24.0	21.6	22.7	25.3	23.0	24.2	25.7	22.9	24.2	22.1	20.6	21.3
4	24.1	21.4	22.8	24.8	22.3	23.6	25.2	22.4	24.0	23.2	21.2	22.2
5	24.9	22.1	23.4	24.4	22.0	23.3	25.5	22.4	24.1	23.9	22.1	22.9
6	24.5	22.6	23.4	25.4	23.3	24.3	25.4	22.8	24.3	22.9	20.2	21.7
7	22.7	21.8	22.3	24.3	21.9	23.3	24.6	21.4	22.7	22.1	19.9	21.2
8	22.0	20.1	21.2	23.8	20.9	22.6	22.1	19.2	20.8	21.9	19.0	20.7
9	21.7	18.2	20.1	24.7	21.4	23.1	21.5	18.9	20.4	21.8	19.5	20.8
10	22.2	17.9	20.1	25.5	23.1	24.2	21.7	19.1	20.4	21.9	19.5	20.7
11	22.4	18.5	20.5	24.6	21.7	23.2	---	---	---	22.3	19.3	20.9
12	23.0	19.7	21.4	21.9	20.7	21.3	---	---	---	21.1	18.9	20.2
13	23.9	20.6	22.3	22.3	20.2	21.3	---	---	---	21.0	18.4	19.8
14	23.6	21.4	22.4	23.9	21.9	22.7	---	---	---	21.6	20.5	21.0
15	23.1	21.0	22.1	23.5	22.1	22.8	---	---	---	21.9	20.5	21.5
16	22.4	18.9	20.8	25.4	22.4	23.8	---	---	---	23.0	21.7	22.4
17	22.2	19.5	20.9	25.4	22.1	23.9	24.4	22.7	23.6	23.1	22.4	22.8
18	21.8	19.1	20.5	25.7	22.8	24.3	25.5	23.3	24.3	23.1	22.5	22.8
19	22.9	19.5	21.2	26.2	23.6	24.9	25.7	23.5	24.4	23.2	22.3	22.6
20	22.5	19.9	21.3	25.8	23.6	24.7	25.2	22.9	24.2	23.2	22.2	22.6
21	22.1	18.9	20.7	25.7	23.3	24.5	25.7	23.0	24.3	23.1	21.5	22.4
22	21.8	19.6	20.8	25.4	23.2	24.2	25.8	23.8	24.8	23.0	21.7	22.4
23	23.7	20.7	21.9	24.6	23.0	23.9	26.2	24.0	25.0	22.6	21.5	22.1
24	23.7	20.7	22.3	25.5	23.8	24.4	26.5	24.2	25.2	21.5	20.4	20.9
25	24.4	21.3	22.8	24.2	23.5	23.8	25.5	23.8	24.6	20.6	19.7	20.1
26	24.2	22.7	23.4	25.1	23.3	24.2	24.6	23.4	24.0	20.2	19.4	19.7
27	25.0	22.6	23.8	26.4	24.0	25.2	23.8	22.7	23.1	21.9	20.1	21.1
28	24.3	22.6	23.5	27.0	24.3	25.7	22.9	21.3	21.7	21.8	21.1	21.5
29	25.0	22.4	23.7	27.5	24.8	26.2	21.5	20.8	21.2	21.5	20.5	21.1
30	24.4	22.1	23.4	27.7	25.0	26.5	21.2	20.8	21.0	21.2	19.7	20.5
31	---	---	---	26.8	24.4	25.8	20.8	20.2	20.6	---	---	---
MONTH	25.0	17.9	22.0	27.7	20.2	24.0	---	---	---	23.9	18.4	21.4

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	6.9	7.3	5.7	5.0	5.4	7.6	4.7	5.6	12.0	9.8	10.7
2	7.8	7.0	7.3	5.6	5.1	5.4	8.4	4.6	5.9	11.9	10.2	10.8
3	7.9	6.9	7.3	5.3	4.5	4.9	6.9	5.0	5.7	12.0	10.3	11.0
4	7.8	6.9	7.3	5.1	4.5	4.8	6.7	5.3	5.9	12.0	10.9	11.4
5	7.8	6.7	7.2	4.9	4.3	4.6	6.7	5.7	6.1	12.4	11.3	11.8
6	7.2	5.4	6.5	4.8	4.3	4.5	6.8	5.8	6.2	11.8	11.0	11.4
7	7.6	5.6	7.0	4.8	4.3	4.6	6.7	5.6	6.0	11.1	10.6	10.9
8	---	---	---	5.3	4.5	4.9	6.4	5.4	5.8	11.2	10.6	11.0
9	---	---	---	5.5	4.8	5.1	6.3	5.3	5.7	11.3	10.8	11.1
10	8.2	7.3	7.8	5.8	4.8	5.2	6.8	5.3	5.7	10.8	10.0	10.6
11	7.9	7.0	7.4	5.6	4.8	5.1	8.6	6.8	8.3	10.3	9.5	9.9
12	7.6	6.6	7.0	5.6	4.8	5.2	7.9	7.3	7.6	10.6	9.4	9.9
13	7.6	6.4	6.9	5.8	4.9	5.3	7.3	6.6	7.0	10.6	9.5	10.0
14	7.6	5.0	6.6	5.6	5.0	5.2	6.7	6.4	6.5	11.2	10.1	10.6
15	6.1	5.7	5.9	6.1	5.6	5.8	7.0	6.3	6.6	11.5	10.3	10.8
16	5.8	5.3	5.7	6.5	5.6	6.0	7.3	6.8	7.0	12.2	10.4	11.2
17	---	---	---	6.4	5.6	5.9	7.6	6.9	7.2	12.0	10.6	11.2
18	6.4	5.9	6.1	6.5	5.5	5.9	7.6	6.7	7.1	11.9	10.2	10.9
19	6.5	6.0	6.2	6.2	5.3	5.7	8.1	7.5	7.8	10.5	9.8	10.1
20	6.5	6.1	6.3	5.9	5.3	5.5	8.6	7.7	8.2	10.5	9.7	10.1
21	6.7	6.0	6.4	6.1	5.6	5.9	9.2	8.3	8.7	9.9	9.6	9.7
22	6.4	5.7	6.1	6.3	5.8	6.0	9.5	8.9	9.1	10.2	9.2	9.8
23	6.1	5.1	5.7	6.6	6.0	6.3	10.0	8.9	9.4	10.2	8.9	9.5
24	5.5	3.9	5.0	6.5	5.9	6.2	9.9	8.9	9.3	9.1	7.5	8.3
25	5.3	3.4	3.9	6.0	5.3	5.8	10.4	9.1	9.6	8.7	7.8	8.4
26	3.9	2.9	3.6	6.2	5.6	5.9	10.6	9.4	9.9	9.3	8.6	9.0
27	4.5	3.9	4.2	6.4	5.4	5.9	11.1	9.7	10.3	8.9	7.8	8.6
28	5.6	4.1	5.2	6.8	5.4	6.0	11.2	9.7	10.3	8.0	7.5	7.8
29	5.8	5.2	5.5	7.7	5.4	6.3	11.4	9.5	10.3	8.3	7.3	7.7
30	5.8	5.2	5.5	7.1	4.9	5.7	11.6	9.6	10.4	8.1	7.3	7.8
31	5.9	5.3	5.6	---	---	---	11.9	9.8	10.5	7.8	7.1	7.4
MONTH	---	---	---	7.7	4.3	5.5	11.9	4.6	7.7	12.4	7.1	10.0





PEE DEE RIVER BASIN

02124692 GOOSE CREEK AT FAIRVIEW, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	77	68	72	52	46	49	79	46	57	95	76	82
2	79	69	73	54	47	50	83	42	56	90	74	80
3	82	69	74	54	44	48	66	44	52	87	74	80
4	82	69	74	51	43	46	62	46	52	89	77	82
5	84	68	74	47	39	43	63	49	54	90	79	85
6	76	55	68	44	38	40	65	52	56	85	80	82
7	75	57	70	44	39	41	65	51	55	84	81	82
8	---	---	---	48	39	43	62	51	55	85	80	82
9	---	---	---	52	42	46	60	49	53	86	80	83
10	80	70	74	55	42	46	61	48	52	88	81	83
11	80	69	72	52	42	45	76	60	74	89	79	83
12	77	66	70	51	42	45	72	67	69	87	75	81
13	80	66	70	51	42	46	67	62	65	88	76	82
14	81	51	70	48	42	44	65	61	63	89	80	84
15	66	59	63	54	48	50	68	60	63	94	80	86
16	60	54	58	59	49	52	68	61	64	97	79	88
17	---	---	---	60	49	52	71	64	66	96	80	88
18	60	55	57	60	48	52	71	62	66	100	82	89
19	61	55	57	59	47	52	74	67	70	86	78	81
20	63	57	59	55	46	49	75	66	70	85	79	82
21	64	58	61	54	48	50	78	67	72	82	78	80
22	64	57	60	55	48	51	78	70	73	83	76	80
23	63	52	58	58	50	53	83	72	76	84	75	80
24	58	41	51	58	53	56	86	73	78	79	69	74
25	56	35	41	58	49	55	85	73	77	79	72	77
26	38	29	35	62	54	57	87	74	78	78	72	75
27	42	36	39	65	53	58	88	74	79	74	67	71
28	51	37	45	70	52	59	89	75	80	73	66	69
29	51	46	48	80	52	64	94	75	82	77	65	70
30	52	46	48	74	50	58	94	75	81	77	70	73
31	53	47	49	---	---	---	94	75	81	78	68	72
MONTH	---	---	---	80	38	50	94	42	67	100	65	80
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	78	70	73	106	84	96	88	77	82	72	59	64
2	81	70	75	97	87	92	88	76	81	71	54	61
3	80	71	75	93	85	88	91	72	79	63	51	55
4	83	70	75	91	84	87	92	71	80	75	52	59
5	83	71	77	93	84	89	95	75	83	75	67	72
6	82	73	78	93	83	87	97	77	85	68	64	66
7	80	75	79	95	80	86	100	79	87	67	60	63
8	---	---	---	98	80	87	102	79	88	64	54	60
9	---	---	---	101	80	88	98	79	87	62	56	58
10	---	---	---	104	77	88	100	76	86	60	54	56
11	---	---	---	107	77	90	101	76	87	59	51	55
12	---	---	---	97	79	86	85	74	79	58	48	55
13	---	---	---	87	79	83	91	68	79	68	55	58
14	---	---	---	95	79	85	90	69	79	72	45	67
15	98	84	90	100	77	86	83	66	74	66	62	64
16	99	83	89	98	77	85	78	62	69	67	59	63
17	97	80	87	84	74	79	74	57	65	66	61	63
18	98	79	87	89	80	83	66	55	60	67	56	61
19	101	81	90	91	78	83	65	53	59	74	63	69
20	101	81	89	91	77	81	65	54	58	70	67	69
21	101	78	88	84	72	79	64	55	59	71	61	67
22	101	74	86	92	80	85	63	55	58	74	66	69
23	103	77	90	96	80	87	---	---	---	75	67	70
24	106	79	92	99	80	88	---	---	---	77	68	71
25	107	81	94	101	80	88	69	59	63	78	68	71
26	---	---	---	102	75	85	69	59	62	79	68	71
27	---	---	---	101	74	85	76	61	67	79	68	71
28	105	82	93	105	78	88	74	62	66	77	66	70
29	---	---	---	112	80	92	69	59	63	76	65	69
30	---	---	---	103	76	86	71	57	64	77	60	67
31	---	---	---	94	75	81	---	---	---	81	62	69
MONTH	---	---	---	112	72	86	---	---	---	81	45	65

