02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948, 1963-64, 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 471 microsiemens, Aug. 27, 1987; minimum, 16 microsiemens, Mar. 18, 1990.

pH: Maximum, 9.2 units, Jun. 25, 1986; minimum, 5.1 units, Aug. 6, 7, 1992.

WATER TEMPERATURE: Maximum, 35.5°C, Jul. 13, 1992; minimum, less than 0.5°C, Dec. 24-26,1989, Jan. 20, 1994.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Feb. 10, 1980, Jan. 11, 1993; minimum, 3.0 mg/L, Jul. 6, 1994.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 389 microsiemens, Jun. 14; minimum, 51 microsiemens, Mar. 27.

pH: Maximum, 8.0 units, Sep. 15, 16; minimum, 5.8 units, Nov. 17.

WATER TEMPERATURE: Maximum, 32.0°C, Jul. 6, Aug. 9, 10; minimum, 2.5°C, Jan. 24.

DISSOLVED OXYGEN: Maximum, 12.2 mg/L, Feb. 7; minimum, 4.4 mg/L, Jul. 9.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	311	186	226	175	169	173	107	81	87	109	102	106
2	186	155	174	169	159	165	92	56	85	103	99	101
3	211	137	165	159	143	152	97	92	95	106	100	103
4	196	141	154	155	144	150	115	96	110	105	101	103
5	180	139	151	144	115	128	113	110	111	108	96	102
6	159	148	151	115	106	110	129	112	120	104	95	100
7	148	133	140	119	109	116	135	129	132	118	104	112
8	231	136	154	119	116	118	134	126	128	119	115	118
9	266	152	194	122	119	120	128	127	127	125	113	119
10	263	160	190	121	116	119	137	126	132	135	104	122
11	160	74	116	128	116	122	140	134	137	119	90	98
12	74	64	67	136	128	131	136	130	133	91	79	85
13	85	63	73	145	136	142	138	135	136	79	74	76
14	92	84	90	152	144	148	137	133	135	87	77	82
15	100	90	94	144	139	142	133	108	117	94	86	91
16	106	100	103	150	144	147	127	109	119	100	94	96
17	115	106	110	149	143	146	109	91	101	112	100	109
18	131	110	123	146	141	144	109	95	103	110	102	105
19	133	127	130	146	142	144	101	98	100	105	102	103
20	206	129	143	161	146	155	106	97	102	122	102	114
21	294	126	209	161	156	159	109	106	107	123	116	121
22	127	123	125	167	157	164	118	102	108	121	113	116
23	161	125	145	162	158	160	125	117	121	120	95	110
24	162	150	158	163	158	161	117	98	108	112	90	99
25	150	139	143	158	151	154	111	107	109	92	89	90
26	146	142	144	153	146	150	111	104	109	99	92	94
27	206	143	162	162	142	156	114	101	107	109	99	106
28	264	146	197	142	105	127	102	99	100	105	101	102
29	146	143	145	105	87	92	102	97	100	109	99	101
30	156	145	150	87	81	83	105	94	99	110	75	98
31	171	156	165	---	---	---	109	105	107	101	89	97
MONTH	311	63	145	175	81	139	140	56	112	135	74	103

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	98	86	89	107	105	106	99	94	96	94	88	90
2	103	98	100	118	107	114	105	99	101	92	85	88
3	114	103	110	114	106	108	106	103	105	95	89	91
4	109	101	107	114	106	109	105	100	103	111	95	104
5	107	100	103	119	101	113	106	80	93	97	92	95
6	112	105	109	106	99	102	80	73	77	111	97	106
7	115	106	109	102	92	97	85	73	79	112	102	106
8	116	109	112	102	92	98	88	64	74	105	97	103
9	113	108	111	117	99	108	69	64	66	99	94	96
10	108	103	105	129	117	122	98	69	80	102	98	100
11	134	104	124	118	114	116	101	93	96	108	102	105
12	132	122	127	121	115	117	98	96	97	119	107	113
13	126	110	121	126	121	124	107	88	102	123	110	117
14	110	80	95	127	118	122	107	101	104	125	111	119
15	80	72	77	120	108	113	108	95	102	127	113	120
16	77	75	76	126	110	116	103	86	96	127	111	120
17	83	75	79	129	89	114	86	76	79	125	108	116
18	87	81	83	89	82	86	76	69	72	122	108	116
19	94	87	92	88	80	83	72	68	70	134	118	124
20	95	91	92	93	56	72	79	71	75	125	116	119
21	97	91	93	---	---	---	90	79	85	123	114	118
22	100	97	98	---	---	---	94	90	92	130	122	125
23	100	92	95	62	60	61	94	91	93	130	124	128
24	118	100	113	70	62	66	99	92	95	130	126	128
25	111	106	108	81	67	74	97	88	93	133	125	128
26	116	106	111	82	76	78	97	89	94	136	125	130
27	117	106	113	88	51	77	95	86	89	126	114	122
28	121	114	117	91	59	80	88	83	85	120	114	116
29	114	105	107	95	91	93	94	88	92	121	118	120
30	---	---	---	94	87	91	96	92	94	120	118	119
31	---	---	---	94	87	91	---	---	---	120	112	118
MONTH	134	72	103	129	51	98	108	64	89	136	85	113

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	121	112	116	---	---	---	195	143	160	230	209	222
2	135	121	127	---	---	---	207	144	167	227	207	211
3	138	130	133	---	---	---	206	175	190	212	171	200
4	---	---	---	---	---	---	195	170	184	206	173	192
5	---	---	---	264	180	203	206	172	192	208	182	193
6	---	---	---	311	181	231	230	167	201	182	154	171
7	---	---	---	185	160	173	234	143	192	155	134	143
8	---	---	---	181	160	170	198	145	161	147	135	139
9	---	---	---	201	130	175	181	147	164	160	147	156
10	---	---	---	185	157	172	193	162	176	165	153	158
11	---	---	---	186	161	174	174	161	166	154	143	149
12	136	131	133	178	156	166	202	163	172	151	140	144
13	260	136	159	156	145	150	179	169	173	184	144	165
14	389	160	229	149	106	136	182	168	173	179	156	170
15	160	153	157	---	---	---	187	166	175	204	175	193
16	164	155	158	---	---	---	192	172	178	206	196	201
17	194	153	172	155	148	150	192	163	174	201	193	196
18	179	157	164	287	149	173	182	164	176	201	178	193
19	166	161	163	385	187	294	197	180	190	198	180	188
20	163	160	162	300	142	209	208	192	202	198	175	186
21	---	---	---	165	142	158	215	202	208	203	173	183
22	---	---	---	190	159	168	210	197	204	235	109	212
23	---	---	---	185	163	176	209	197	204	164	83	129
24	---	---	---	185	171	178	217	202	209	146	116	125
25	---	---	---	181	166	172	219	205	213	173	135	161
26	162	151	154	206	181	196	221	207	212	140	127	136
27	167	160	163	226	206	220	225	205	217	130	117	123
28	185	163	172	214	180	197	237	224	230	136	122	131
29	186	157	170	187	170	175	240	228	235	126	119	121
30	---	---	---	180	169	172	246	229	239	133	120	126
31	---	---	---	202	161	177	233	221	226	---	---	---
MONTH	389	112	158	385	106	183	246	143	192	235	83	167
YEAR	389	51	132									

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.1	6.7	7.1	6.9	7.0	6.8	7.3	7.1	6.8	6.7	7.2	6.9
2	7.2	6.6	7.2	7.0	7.0	6.8	7.4	7.0	6.9	6.8	7.5	6.9
3	7.8	7.0	7.0	6.8	7.2	6.8	7.4	6.9	7.0	6.8	7.3	6.8
4	7.2	6.7	6.9	6.8	7.3	7.0	7.4	7.0	7.0	6.8	6.9	6.9
5	7.4	6.0	6.9	6.7	7.3	7.0	7.4	7.2	7.1	6.8	7.0	6.8
6	6.7	5.9	6.9	6.7	7.4	7.0	7.5	7.2	7.2	6.9	6.9	6.7
7	6.8	6.3	6.8	6.7	7.3	7.1	7.5	7.1	7.2	6.7	7.1	6.7
8	6.7	6.1	6.9	6.7	7.4	7.1	7.7	7.2	7.1	6.7	7.2	6.7
9	6.9	6.2	7.1	6.7	7.4	7.0	7.3	7.2	7.3	6.7	7.3	6.6
10	7.2	6.5	7.2	6.8	7.3	6.9	7.2	7.0	7.2	6.7	7.3	6.8
11	7.0	6.5	7.2	6.9	7.6	7.1	7.2	6.9	7.5	6.8	7.3	6.8
12	6.6	6.5	7.1	7.0	7.4	7.0	7.0	6.8	7.0	6.8	7.4	6.9
13	6.7	6.5	7.1	6.9	7.3	7.1	7.0	6.8	6.9	6.7	7.2	6.9
14	6.9	6.7	7.1	6.9	7.4	7.2	7.1	6.9	6.7	6.4	7.4	6.8
15	7.0	6.8	7.1	6.6	7.3	7.1	7.2	7.0	6.6	6.4	7.3	6.9
16	7.1	6.9	7.2	6.0	7.2	7.0	7.2	7.0	6.7	6.4	7.2	6.8
17	7.2	6.8	7.0	5.8	7.2	7.0	7.4	7.0	6.8	6.5	7.2	6.9
18	7.4	7.2	7.3	6.7	7.2	7.0	7.1	7.0	6.6	6.6	6.9	6.8
19	7.3	6.7	7.4	6.7	7.2	7.0	7.3	7.0	6.9	6.6	7.0	6.9
20	7.3	6.9	7.4	6.9	7.2	7.1	7.4	7.0	6.9	6.6	7.1	6.6
21	7.1	6.9	7.1	6.9	7.2	7.1	7.5	7.1	7.1	6.7	6.7	6.4
22	6.9	6.8	7.2	7.0	7.2	7.1	7.2	7.0	7.1	6.7	6.7	6.5
23	7.0	6.8	7.2	7.0	7.2	7.1	7.1	6.9	7.2	6.7	7.0	6.7
24	7.0	6.8	7.1	7.0	7.2	7.0	7.0	6.8	7.2	6.7	7.1	7.0
25	6.9	6.8	7.3	7.0	7.2	7.0	7.1	6.9	7.4	6.7	7.2	6.8
26	6.9	6.8	7.2	7.1	7.3	7.0	7.1	6.9	7.3	6.8	7.2	6.9
27	7.5	6.5	7.2	7.0	7.4	6.4	7.0	6.9	7.1	6.9	7.3	6.9
28	7.4	6.5	7.1	6.9	7.5	6.9	7.1	6.9	7.3	6.9	7.4	6.9
29	7.1	6.1	7.0	6.8	7.6	7.0	7.1	6.9	7.3	6.9	7.3	6.8
30	7.1	5.9	7.0	6.8	7.4	7.0	7.1	6.7	---	---	7.3	6.8
31	7.1	6.0	---	---	7.4	7.1	7.0	6.7	---	---	7.2	7.0
MONTH	7.8	5.9	7.4	5.8	7.6	6.4	7.7	6.7	7.5	6.4	7.5	6.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.3	6.9	7.3	6.8	7.3	6.9	---	---	7.4	7.2	7.2	6.8
2	7.3	6.8	7.5	7.1	7.5	7.0	---	---	7.4	7.3	7.2	6.9
3	7.6	6.8	7.5	7.3	7.7	7.0	---	---	7.3	7.2	7.0	6.7
4	7.5	7.2	7.6	6.9	---	---	---	---	7.4	7.1	6.9	6.8
5	7.4	7.2	7.5	7.0	---	---	---	---	7.4	7.1	7.1	6.8
6	7.3	7.0	7.7	7.3	---	---	7.2	6.8	7.4	7.2	7.2	7.0
7	7.4	7.0	7.7	7.4	---	---	7.1	7.0	7.5	7.3	7.2	6.9
8	7.4	7.1	7.4	6.9	---	---	---	---	7.4	7.2	7.2	7.0
9	7.4	7.1	7.7	7.0	---	---	---	---	7.4	7.3	7.3	7.0
10	7.3	6.9	7.6	7.2	---	---	---	---	7.4	7.2	7.5	7.0
11	7.3	7.0	7.8	7.2	---	---	7.4	7.3	7.4	7.3	7.4	7.0
12	7.4	7.0	7.9	7.3	---	---	7.4	7.0	7.4	7.3	7.6	6.9
13	7.4	7.0	7.9	7.3	---	---	7.1	7.0	7.4	7.3	7.9	6.8
14	7.2	7.0	7.6	7.3	---	---	7.1	7.0	7.5	7.3	7.7	6.8
15	7.4	6.9	7.7	7.2	---	---	7.2	7.0	7.5	7.3	8.0	6.8
16	7.4	7.3	7.8	7.1	---	---	7.2	7.1	---	---	8.0	6.9
17	7.3	7.1	7.8	7.3	---	---	7.2	7.1	---	---	7.9	6.8
18	7.2	7.1	7.8	7.1	---	---	7.2	7.0	---	---	7.4	6.8
19	7.2	6.8	7.7	6.8	---	---	7.3	7.2	---	---	7.8	7.2
20	7.2	6.8	6.9	6.7	---	---	7.3	7.1	---	---	7.7	7.1
21	7.3	6.8	7.0	6.8	---	---	7.2	7.1	---	---	7.4	7.2
22	7.1	6.7	7.0	6.9	---	---	7.2	7.1	7.8	7.0	7.3	6.7
23	7.1	6.6	7.0	6.8	---	---	7.2	6.9	7.9	6.9	7.0	6.5
24	7.5	6.6	7.2	6.8	---	---	7.2	6.9	7.9	6.9	6.9	6.7
25	7.4	7.3	7.2	6.8	---	---	7.2	7.1	7.9	7.0	7.1	6.9
26	7.4	7.3	7.3	6.9	---	---	7.1	7.0	7.7	7.0	7.0	6.9
27	7.4	7.3	7.2	6.8	---	---	7.2	7.0	7.4	6.9	7.0	6.8
28	7.5	7.3	7.2	6.8	---	---	7.2	7.0	7.8	7.0	7.2	6.9
29	7.5	7.3	7.1	7.0	---	---	7.3	7.0	7.6	7.0	7.2	6.7
30	7.4	7.2	7.1	6.9	---	---	7.2	7.0	7.4	6.9	7.4	6.6
31	---	---	7.1	6.9	---	---	7.4	7.2	7.1	6.9	---	---
MONTH	7.6	6.6	7.9	6.7	7.7	6.9	7.4	6.8	7.9	6.9	8.0	6.5
YEAR	8.0	5.8										

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	20.5	21.5	16.0	15.0	15.5	10.5	8.0	9.5	7.0	5.5	6.5
2	22.0	20.0	21.0	17.0	15.5	16.0	9.0	7.5	8.0	8.0	7.0	7.5
3	22.0	20.5	21.5	15.5	14.0	14.5	9.0	7.0	7.5	9.5	8.0	8.5
4	21.0	20.5	21.0	14.0	13.0	13.5	9.0	7.0	8.0	11.0	9.0	10.0
5	22.0	20.5	21.0	13.0	12.0	12.5	9.5	7.5	8.5	11.0	9.5	10.0
6	21.5	19.5	20.5	13.5	11.5	12.5	11.0	9.0	10.0	10.0	9.0	9.5
7	21.0	19.0	20.0	13.5	11.5	12.5	10.5	8.5	9.5	10.0	9.0	9.5
8	21.0	18.5	20.0	14.0	11.5	13.0	10.5	9.0	9.5	9.0	8.0	8.5
9	21.5	19.5	20.5	14.5	12.5	13.5	9.5	8.0	9.0	9.0	8.5	9.0
10	21.5	20.5	21.0	15.0	13.0	14.5	9.5	8.5	9.0	10.5	8.5	9.5
11	20.5	20.0	20.0	15.5	14.0	14.5	10.5	8.5	9.0	9.5	9.0	9.5
12	20.0	20.0	20.0	15.0	14.0	14.5	10.0	8.5	9.0	9.5	9.0	9.0
13	20.0	19.5	19.5	15.0	13.5	14.5	10.0	9.0	9.5	10.0	9.0	9.5
14	20.0	19.0	19.5	15.5	13.5	14.5	10.5	9.5	10.0	9.5	8.5	9.0
15	19.5	19.0	19.0	14.5	13.5	14.0	10.5	10.0	10.5	8.5	7.0	8.0
16	20.5	19.0	19.5	14.0	12.5	13.0	10.5	9.5	10.0	7.0	7.0	7.0
17	20.0	19.0	19.5	12.5	11.0	12.0	9.5	8.5	9.0	8.0	7.0	7.5
18	20.5	19.0	19.5	12.0	10.5	11.0	8.5	8.0	8.0	7.5	6.5	7.0
19	19.5	18.5	19.0	11.5	9.5	10.5	9.0	8.0	8.5	8.0	7.0	7.0
20	18.5	17.5	18.0	12.0	10.0	11.0	9.0	8.0	8.5	8.0	7.0	7.5
21	18.5	16.5	17.0	11.0	10.5	11.0	9.0	8.5	9.0	7.5	6.0	6.5
22	17.5	15.5	16.5	12.5	11.0	12.0	9.5	9.0	9.0	6.0	5.0	6.0
23	16.5	15.0	15.5	13.5	12.0	12.5	9.5	9.0	9.5	5.0	4.0	4.5
24	15.5	13.5	14.5	14.0	13.0	13.5	9.5	9.0	9.0	4.5	2.5	3.5
25	14.5	13.0	14.0	14.5	13.5	14.0	9.0	6.5	8.0	3.5	3.0	3.0
26	14.0	12.5	13.5	15.5	14.5	15.0	7.5	6.5	7.0	4.0	3.0	3.5
27	14.5	11.5	13.0	15.0	14.0	14.5	7.5	5.5	6.5	4.0	3.0	3.5
28	15.5	12.5	14.0	14.5	13.5	14.0	6.5	5.0	5.5	3.5	3.0	3.5
29	14.5	12.5	13.5	13.5	12.0	13.0	6.5	5.0	5.5	3.5	3.0	3.0
30	14.5	13.0	14.0	12.0	10.0	11.5	6.5	5.0	5.5	3.5	3.0	3.0
31	15.5	13.5	14.5	---	---	---	6.5	5.5	6.0	4.0	3.5	3.5
MONTH	23.0	11.5	18.1	17.0	9.5	13.3	11.0	5.0	8.4	11.0	2.5	6.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	3.0	4.0	14.0	12.5	13.0	17.5	15.5	16.5	18.0	16.0	17.0
2	4.5	3.5	4.0	15.0	12.5	13.5	17.0	16.0	16.5	19.0	17.5	18.5
3	4.5	3.5	4.0	14.0	12.5	13.0	18.0	16.5	17.5	20.0	18.5	19.5
4	5.0	4.0	5.0	13.0	11.5	12.5	18.0	17.0	17.5	21.5	19.5	20.5
5	5.5	4.5	5.0	12.5	11.5	12.0	17.0	15.5	16.0	21.5	20.0	21.0
6	5.5	4.5	5.0	13.5	11.0	12.0	16.0	14.5	15.5	22.0	21.0	21.5
7	6.5	5.0	5.5	14.5	12.0	13.0	17.5	15.0	16.5	23.0	22.0	22.5
8	7.0	5.0	6.0	15.5	12.5	14.0	17.0	16.0	17.0	24.5	22.5	23.0
9	8.0	5.5	6.5	17.0	14.0	15.5	16.0	15.0	15.5	25.0	22.0	23.5
10	8.0	5.5	6.5	17.5	15.0	16.0	16.0	14.5	15.5	25.0	22.0	23.5
11	9.5	7.0	8.0	18.0	16.0	17.0	17.0	15.5	16.0	25.5	23.0	24.0
12	9.0	7.5	8.5	17.5	15.0	16.5	17.5	16.0	16.5	26.5	23.0	24.5
13	8.5	7.5	8.0	16.0	14.0	15.0	17.0	15.0	16.0	27.0	24.0	25.5
14	8.5	7.5	8.0	15.0	12.5	14.0	15.0	13.5	14.0	26.5	24.5	25.5
15	9.0	8.0	8.5	15.0	12.0	13.5	13.5	13.0	13.0	26.0	23.5	24.5
16	9.5	8.0	8.5	14.5	12.5	13.5	14.0	12.5	13.5	25.5	22.5	24.0
17	10.0	8.5	9.5	14.5	13.5	14.0	16.5	14.0	15.5	25.0	22.5	23.5
18	10.0	9.5	9.5	13.5	13.0	13.5	17.0	16.0	16.5	25.5	22.5	24.0
19	10.0	9.0	9.5	13.0	12.0	12.5	18.0	16.5	17.5	26.0	23.0	24.5
20	10.5	9.0	10.0	13.0	12.0	12.5	19.0	17.5	18.5	26.5	23.5	25.0
21	10.5	9.5	10.0	12.5	12.0	12.0	20.0	19.0	19.5	26.0	24.0	25.0
22	10.0	8.5	9.5	13.0	12.0	12.5	19.0	18.0	18.5	26.5	24.0	25.5
23	10.0	8.5	9.0	14.0	12.5	13.0	18.5	18.0	18.5	26.0	23.5	25.0
24	11.0	9.0	10.0	15.0	13.5	14.0	19.0	17.5	18.0	26.0	24.5	25.0
25	12.5	9.5	11.0	16.0	13.5	15.0	17.5	16.5	17.0	27.0	25.0	25.5
26	13.5	11.5	12.5	16.5	15.0	16.0	16.5	15.5	16.0	27.0	25.0	26.0
27	14.0	12.0	13.0	16.5	15.5	16.0	16.5	15.0	16.0	27.5	25.0	26.0
28	15.0	13.0	13.5	16.0	14.5	15.0	16.5	16.0	16.5	26.5	25.0	26.0
29	14.0	12.5	13.5	15.0	13.5	14.5	17.0	15.5	16.0	26.0	24.0	25.0
30	---	---	---	15.0	14.0	14.5	17.0	15.5	16.5	25.5	23.5	24.5
31	---	---	---	16.5	15.0	15.5	---	---	---	25.5	23.0	24.5
MONTH	15.0	3.0	8.3	18.0	11.0	14.0	20.0	12.5	16.5	27.5	16.0	23.7

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.5	23.5	25.0	---	---	---	28.5	26.5	27.5	27.5	25.0	26.0
2	28.0	25.5	27.0	---	---	---	28.5	27.0	27.5	27.5	25.5	26.5
3	28.5	25.5	27.5	---	---	---	28.5	27.0	27.5	27.0	25.0	26.0
4	---	---	---	---	---	---	28.0	27.0	27.5	26.5	25.5	26.0
5	---	---	---	31.0	29.0	29.5	29.0	26.0	27.5	25.5	24.0	25.0
6	---	---	---	32.0	28.5	30.0	29.0	26.5	27.5	24.0	22.5	23.0
7	---	---	---	31.0	29.0	30.0	30.0	27.0	28.5	23.5	22.0	22.5
8	---	---	---	---	---	---	31.0	27.0	29.0	24.0	22.0	23.0
9	---	---	---	---	---	---	32.0	28.5	30.0	25.0	22.0	23.5
10	---	---	---	31.5	29.0	30.0	32.0	28.5	30.5	26.0	22.0	24.0
11	---	---	---	31.0	28.0	30.0	31.5	29.0	30.0	26.0	23.0	24.5
12	29.0	27.0	27.5	31.0	29.0	30.0	30.5	28.5	29.5	26.5	23.5	25.0
13	29.5	26.5	28.0	30.0	29.0	29.5	30.0	27.5	29.0	27.5	23.5	25.5
14	30.5	28.0	29.0	30.0	28.5	29.0	29.5	26.5	28.5	27.5	25.0	26.5
15	29.5	27.0	28.5	30.5	28.5	29.5	30.0	26.5	28.5	28.0	24.5	26.0
16	---	---	---	30.0	28.5	29.5	30.0	27.0	28.5	26.0	23.5	24.5
17	---	---	---	30.0	28.5	29.0	30.0	27.0	29.0	24.0	22.0	23.0
18	---	---	---	30.5	27.5	29.0	31.0	27.5	29.5	23.0	21.5	22.5
19	---	---	---	30.0	28.0	29.0	30.0	28.0	29.0	24.5	21.5	22.5
20	---	---	---	31.0	28.0	29.5	29.0	27.5	28.0	24.5	21.5	23.0
21	---	---	---	29.5	28.0	28.5	27.5	26.0	26.5	24.0	22.5	23.0
22	---	---	---	30.0	28.0	29.0	28.0	25.5	26.5	23.5	20.5	22.5
23	---	---	---	29.5	27.5	28.5	28.0	25.0	26.5	22.5	20.0	21.5
24	---	---	---	28.0	27.0	27.5	28.0	25.5	27.0	23.0	21.5	22.0
25	---	---	---	27.5	26.0	26.5	29.0	26.0	27.5	25.0	22.5	23.5
26	31.0	29.0	30.5	27.0	25.0	26.0	28.0	26.0	27.0	24.0	22.0	23.0
27	31.0	28.0	29.5	28.0	25.0	26.5	27.0	25.5	26.0	23.0	21.0	22.0
28	30.5	28.0	29.5	28.0	25.5	27.0	28.0	25.5	26.5	22.5	20.0	21.5
29	29.0	27.5	28.0	29.0	25.0	27.0	27.0	25.5	26.5	22.0	19.5	20.5
30	---	---	---	29.0	25.5	27.5	27.0	25.0	26.0	21.5	19.5	20.5
31	---	---	---	29.5	26.0	28.0	26.5	25.5	26.0	---	---	---
MONTH	31.0	23.5	28.2	32.0	25.0	28.6	32.0	25.0	27.9	28.0	19.5	23.6
YEAR	32.0	2.5	17.4									

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.1	7.3	7.6	9.7	9.0	9.3	9.3	8.6	8.9	---	---	---
2	8.2	7.4	7.8	9.5	8.8	9.0	9.7	9.1	9.4	---	---	---
3	8.4	7.3	7.7	9.2	8.7	9.0	10.4	9.5	9.9	11.0	9.9	10.8
4	8.2	7.4	7.7	10.1	9.0	9.4	10.6	10.0	10.2	10.0	9.4	9.7
5	9.5	7.9	8.4	10.7	9.7	10.1	10.5	9.7	10.1	10.2	9.1	9.8
6	9.1	7.8	8.2	10.4	9.7	10.1	10.1	9.4	9.8	9.6	9.1	9.3
7	8.7	8.0	8.3	10.3	9.8	10.0	9.9	9.3	9.5	10.0	9.0	9.5
8	9.0	8.3	8.6	10.5	9.9	10.2	10.2	9.2	9.6	10.7	9.4	9.9
9	9.7	8.4	8.9	10.4	9.7	10.0	10.1	9.3	9.6	9.7	9.5	9.6
10	8.7	8.1	8.4	10.2	9.3	9.7	10.0	9.3	9.6	9.5	8.9	9.4
11	9.4	7.7	8.5	9.9	9.1	9.4	10.6	9.5	9.9	9.5	9.1	9.2
12	9.4	8.2	8.9	9.6	8.9	9.2	10.1	9.4	9.6	9.3	9.1	9.3
13	8.4	7.6	8.0	9.5	8.7	9.1	9.9	9.4	9.5	9.2	9.1	9.2
14	8.2	7.9	8.0	9.6	8.7	9.1	10.1	9.3	9.6	9.6	9.2	9.4
15	8.5	8.1	8.3	9.8	8.7	9.1	9.9	9.0	9.5	9.9	9.4	9.6
16	8.6	8.2	8.3	10.0	8.9	9.5	10.3	9.2	9.6	10.2	9.7	10.0
17	8.4	8.2	8.3	10.1	9.2	9.6	10.1	9.3	9.6	10.7	10.0	10.3
18	8.7	8.2	8.4	10.5	9.4	9.8	9.9	9.2	9.6	10.1	9.9	9.9
19	8.7	8.1	8.3	10.6	9.4	9.9	10.1	9.4	9.8	10.5	9.8	10.0
20	8.7	8.3	8.4	10.3	9.4	9.8	9.5	8.3	9.0	10.2	9.7	9.9
21	9.6	8.2	8.8	9.5	9.1	9.3	9.3	8.9	9.1	10.6	9.7	10.0
22	9.3	8.4	8.8	9.5	8.7	9.1	---	---	---	10.3	9.8	10.0
23	9.4	8.6	9.0	9.2	8.4	8.6	---	---	---	10.6	10.0	10.3
24	9.7	8.9	9.3	8.6	8.0	8.3	---	---	---	11.1	10.4	10.6
25	10.2	9.2	9.5	8.3	7.8	8.0	---	---	---	11.6	11.1	11.3
26	10.5	9.4	9.8	8.1	7.6	7.8	---	---	---	11.8	10.7	11.3
27	10.4	9.6	9.9	8.3	7.6	7.7	---	---	---	11.1	10.6	10.8
28	10.6	9.4	10.0	8.2	7.5	7.8	---	---	---	---	---	---
29	10.2	9.5	9.9	8.4	7.8	8.1	---	---	---	---	---	---
30	10.3	9.5	9.8	8.7	8.2	8.4	---	---	---	---	---	---
31	10.2	9.3	9.7	---	---	---	---	---	---	---	---	---
MONTH	10.6	7.3	8.7	10.7	7.5	9.1	10.6	8.3	9.6	11.8	8.9	10.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	10.1	9.2	9.5	9.2	8.0	8.5	10.2	9.0	9.7
2	---	---	---	10.5	9.1	9.6	9.0	7.8	8.4	9.6	8.7	9.1
3	---	---	---	10.2	9.1	9.5	9.5	7.9	8.7	9.6	8.6	9.0
4	---	---	---	9.4	9.1	9.3	9.1	7.8	8.5	9.9	7.8	8.8
5	---	---	---	9.7	9.3	9.5	9.0	8.6	8.9	9.8	8.3	8.8
6	---	---	---	10.2	9.3	9.7	9.5	8.9	9.2	9.2	7.7	8.6
7	12.2	11.0	12.0	10.3	9.2	9.6	9.5	8.7	9.2	9.7	7.8	8.8
8	11.7	10.8	11.2	10.3	9.1	9.6	8.9	8.7	8.8	8.8	6.8	7.9
9	11.7	10.5	11.0	10.5	8.7	9.6	9.4	8.5	9.0	8.6	6.5	7.6
10	11.4	10.2	10.8	9.6	8.3	8.9	9.8	8.8	9.3	8.3	6.8	7.5
11	11.4	10.1	10.7	9.6	8.1	8.7	9.9	8.6	9.2	8.3	7.1	7.6
12	10.3	9.7	10.0	9.6	8.0	8.8	9.4	8.3	8.8	8.7	6.6	7.4
13	10.0	9.8	9.9	9.4	8.4	8.9	9.0	7.9	8.5	8.6	6.4	7.2
14	10.0	9.8	9.9	10.2	8.8	9.4	9.2	8.7	9.0	7.8	6.0	7.0
15	10.1	9.8	9.9	10.4	9.0	9.6	9.6	8.9	9.3	8.3	6.1	7.2
16	10.0	9.8	9.9	9.9	9.0	9.5	9.8	9.5	9.7	8.6	6.7	7.4
17	9.9	9.6	9.8	9.5	9.0	9.3	9.6	9.3	9.5	8.6	6.6	7.4
18	9.8	9.7	9.7	9.4	9.2	9.3	9.3	8.9	9.0	8.8	6.5	7.6
19	9.8	9.6	9.7	9.6	9.2	9.4	9.1	8.4	8.8	8.4	6.5	7.3
20	10.2	9.6	9.8	10.7	9.4	9.7	9.1	8.4	8.8	7.5	6.0	6.9
21	10.6	9.6	10.0	11.7	10.7	11.4	8.9	7.9	8.6	7.1	5.9	6.6
22	11.1	9.9	10.4	11.4	9.9	10.6	8.7	7.9	8.3	7.3	5.7	6.4
23	11.0	10.0	10.4	10.3	9.7	9.8	9.0	8.1	8.4	7.3	5.3	6.1
24	11.2	9.9	10.5	9.8	9.2	9.6	9.6	8.1	8.7	7.0	5.1	6.1
25	11.0	9.8	10.2	9.4	8.8	9.2	9.5	7.8	8.7	7.1	5.9	6.3
26	11.0	9.5	10.1	9.2	8.4	9.0	9.6	9.2	9.4	7.0	6.0	6.4
27	9.9	9.1	9.5	8.9	8.4	8.8	10.0	9.4	9.7	6.8	5.9	6.2
28	10.2	8.9	9.5	9.2	8.5	8.9	9.9	9.0	9.5	6.5	5.4	6.2
29	10.3	8.9	9.4	9.1	8.5	8.8	9.9	8.9	9.4	6.9	5.3	5.9
30	---	---	---	9.1	8.4	8.9	10.1	9.6	9.9	6.8	5.4	6.1
31	---	---	---	9.0	8.3	8.7	---	---	---	7.4	5.2	6.4
MONTH	12.2	8.9	10.2	11.7	8.0	9.4	10.1	7.8	9.0	10.2	5.1	7.3

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	5.4	6.4	---	---	---	6.8	6.4	6.6	9.0	6.9	7.6
2	7.1	6.0	6.5	---	---	---	7.1	6.4	6.7	8.2	6.7	7.3
3	8.6	5.1	6.7	---	---	---	7.0	6.3	6.6	7.7	6.8	7.1
4	---	---	---	---	---	---	6.9	6.3	6.5	6.9	6.6	6.7
5	---	---	---	8.4	6.2	7.4	7.4	6.4	6.8	7.3	6.6	6.9
6	---	---	---	8.5	5.9	6.9	7.2	6.2	6.6	7.9	7.2	7.5
7	---	---	---	8.2	5.8	6.7	7.3	6.3	6.7	8.1	7.1	7.6
8	---	---	---	7.9	5.9	6.7	7.8	6.2	7.0	8.1	7.5	7.8
9	---	---	---	6.9	4.4	6.1	8.1	6.3	7.1	8.2	7.3	7.7
10	---	---	---	8.7	5.7	7.0	8.5	6.1	7.1	8.4	7.4	7.7
11	---	---	---	8.0	5.6	6.7	8.2	6.3	7.1	8.2	7.1	7.6
12	7.7	6.5	7.2	7.8	5.4	6.5	8.0	6.1	7.1	8.3	6.9	7.5
13	7.6	6.3	6.9	7.0	5.5	6.1	8.5	6.5	7.3	8.5	6.7	7.5
14	7.8	6.0	6.8	7.1	6.0	6.5	9.0	6.5	7.6	8.2	6.4	7.2
15	7.2	6.1	6.8	7.4	6.3	6.8	9.6	6.5	7.8	8.5	6.4	7.2
16	---	---	---	7.5	6.4	6.9	9.7	6.6	7.9	8.6	6.6	7.4
17	---	---	---	8.0	6.6	7.2	9.4	6.6	7.9	8.8	6.7	7.7
18	---	---	---	8.6	6.4	7.3	9.8	6.3	7.7	8.0	6.7	7.3
19	---	---	---	8.4	6.2	7.3	9.5	6.1	7.5	8.5	6.5	7.4
20	---	---	---	10.0	6.1	7.9	9.4	6.3	7.5	8.3	6.4	7.3
21	---	---	---	8.4	5.6	6.9	9.0	6.3	7.5	7.5	6.8	7.1
22	---	---	---	7.3	5.8	6.5	9.7	7.0	8.1	7.5	6.9	7.1
23	---	---	---	7.7	5.8	6.6	9.9	6.9	8.1	7.4	6.8	7.1
24	---	---	---	7.3	5.9	6.5	9.9	6.8	8.0	7.0	6.6	6.8
25	---	---	---	6.8	6.2	6.4	9.8	6.7	7.9	7.0	6.6	6.7
26	7.4	5.8	7.0	7.6	6.1	6.8	9.0	6.9	7.7	7.3	6.7	7.0
27	7.6	5.3	6.4	7.7	6.7	7.2	8.4	6.5	7.3	7.4	6.7	7.0
28	7.6	5.5	6.5	7.5	6.6	7.1	9.3	6.8	7.7	8.0	7.4	7.7
29	6.0	5.3	5.7	7.7	6.5	7.0	9.1	6.8	7.7	8.6	7.6	8.1
30	---	---	---	7.6	6.4	6.9	9.2	6.9	7.8	8.7	7.9	8.3
31	---	---	---	7.6	6.1	6.8	8.3	6.8	7.5	---	---	---
MONTH	8.6	5.1	6.6	10.0	4.4	6.8	9.9	6.1	7.4	9.0	6.4	7.4
YEAR	12.2	4.4	8.5									