

021720812 ASHLEY RIVER NEAR COOKE CROSSROADS, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2001 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 2001 to current year.

WATER TEMPERATURE: July 2001 to current year.

DISSOLVED OXYGEN: July 2001 to current year.

INSTRUMENTATION.--Water-quality multiprobe and data collection platform.

REMARKS.-- Specific conductance records rated poor. Temperature records rated good. Dissolved oxygen records rated poor.
Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 17,000 microsiemens, June 21, 2002; minimum, 47 microsiemens, Sep. 13, 14, 2003.

WATER TEMPERATURE: Maximum, 32.6°C, July 20, 2002; minimum, 1.3°C, Jan. 25, 2003.

DISSOLVED OXYGEN: Maximum, 16.2 mg/L, July 9, 2002; minimum, 2.3 mg/L, Aug. 23, 28, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 7,080 microsiemens, Oct. 7; minimum, 47 microsiemens, Sep. 13, 14.

WATER TEMPERATURE: Maximum, 29.6°C, June 11; minimum, 1.3°C, Jan. 25.

DISSOLVED OXYGEN: Maximum, 12.1 mg/L, Jan. 25, 26; minimum, 2.7 mg/L, Sep. 22.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5210	2280	3480	571	140	314	195	102	142	131	86	101
2	5360	2310	3650	636	143	346	233	104	160	109	85	94
3	5710	2370	3850	703	145	378	250	109	170	112	85	95
4	6100	2500	4150	803	148	414	331	111	201	111	85	96
5	6300	2870	4500	989	155	481	343	122	210	116	87	97
6	6700	3000	4830	817	158	295	332	118	204	120	87	98
7	7080	3380	5290	462	150	253	334	115	200	122	87	98
8	6940	2100	4780	465	131	249	327	116	196	119	88	96
9	6700	2610	4200	356	116	206	342	118	206	120	88	96
10	6570	1210	4030	247	112	164	315	126	219	120	89	97
11	2840	347	1320	186	113	150	267	136	196	119	90	99
12	1720	897	1120	185	114	146	229	136	180	128	91	102
13	1250	893	1000	178	111	147	248	128	174	118	91	105
14	1200	596	909	156	103	129	213	127	168	125	90	106
15	1320	520	882	146	103	127	208	113	158	164	88	105
16	913	338	608	149	103	127	185	109	138	148	87	114
17	726	267	469	169	113	134	180	100	134	165	96	121
18	620	225	397	153	101	120	173	99	128	182	97	135
19	---	---	---	128	96	109	163	100	126	220	98	131
20	434	181	278	123	94	106	151	101	122	188	100	135
21	386	167	249	118	93	103	157	99	116	213	101	146
22	372	160	239	119	91	103	174	98	112	230	107	167
23	---	---	---	116	95	102	135	97	112	220	107	159
24	---	---	---	122	94	101	154	98	119	212	106	143
25	---	---	---	125	93	102	156	102	117	203	105	148
26	390	154	240	124	95	106	120	91	101	219	109	154
27	---	---	---	129	97	109	119	89	98	215	111	158
28	---	---	---	129	98	113	112	86	93	248	112	174
29	416	152	243	141	98	119	107	84	90	265	114	178
30	424	144	262	164	102	123	---	---	---	285	117	191
31	488	144	289	---	---	---	99	82	88	298	118	196
MONTH	---	---	---	989	91	183	---	---	---	298	85	127

ASHLEY RIVER BASIN

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Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	323	121	204	167	103	127	113	88	96	175	97	133
2	326	122	205	157	109	128	123	87	98	213	96	130
3	327	122	200	130	99	111	146	89	102	150	91	119
4	315	123	191	119	97	106	133	90	105	158	97	119
5	287	126	186	120	97	103	159	90	107	148	100	121
6	304	126	195	158	95	102	184	88	114	185	97	123
7	299	129	187	158	96	103	160	98	120	183	99	123
8	228	126	174	99	91	95	152	86	98	159	97	119
9	230	122	167	96	88	92	115	84	94	---	---	---
10	221	122	161	94	87	90	130	81	91	---	---	---
11	206	115	165	94	86	91	127	79	86	---	---	---
12	212	121	158	95	89	92	86	81	84	---	---	---
13	218	115	161	---	---	---	85	80	83	216	118	164
14	223	114	163	---	---	---	82	76	78	260	124	183
15	243	112	168	120	93	102	77	74	76	285	124	198
16	290	106	190	119	93	104	---	---	---	269	112	190
17	282	117	182	123	93	107	79	74	77	293	112	182
18	244	109	160	133	96	112	114	76	82	331	114	201
19	240	106	155	129	97	111	114	80	88	253	98	141
20	220	105	151	130	77	100	115	75	96	145	93	115
21	232	107	157	151	77	87	121	91	103	159	96	117
22	234	108	160	93	84	89	139	89	109	152	100	121
23	196	112	145	93	89	91	130	93	115	175	96	116
24	201	108	136	91	86	88	140	100	119	129	95	108
25	161	98	129	86	82	84	144	102	125	151	94	108
26	161	103	131	83	78	81	159	95	127	150	96	109
27	172	106	137	82	78	80	166	103	124	148	96	110
28	167	107	132	84	79	81	147	100	123	179	98	117
29	---	---	---	104	82	85	200	104	130	184	97	112
30	---	---	---	---	---	---	205	107	133	168	93	110
31	---	---	---	111	87	95	---	---	---	121	92	105
MONTH	327	98	166	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	156	91	109	101	73	81	62	59	61	97	76	85
2	179	92	112	142	77	91	65	61	63	118	76	90
3	179	94	117	131	86	100	68	64	66	118	83	96
4	170	97	122	132	87	103	70	67	69	134	87	101
5	165	101	127	137	89	106	80	69	72	138	88	109
6	163	109	135	161	89	111	85	70	73	115	88	101
7	185	112	142	155	86	109	92	73	77	105	86	96
8	189	111	131	154	85	105	93	74	79	99	71	80
9	176	112	139	106	78	89	100	76	84	72	57	65
10	201	119	155	88	72	78	111	77	86	---	---	---
11	214	110	158	86	72	76	99	78	84	---	---	---
12	203	104	142	88	72	76	95	78	84	55	48	51
13	173	100	126	96	73	79	96	76	82	52	47	48
14	131	90	105	136	74	83	83	66	74	---	47	---
15	166	89	100	101	74	83	78	65	68	---	---	---
16	135	86	98	---	---	---	107	64	69	---	---	---
17	152	88	98	---	---	---	109	64	70	69	60	64
18	137	87	97	---	---	---	80	64	67	80	66	70
19	109	73	87	135	78	88	79	66	69	89	71	78
20	86	58	64	124	78	87	76	65	69	94	76	85
21	58	55	56	124	71	85	79	65	70	106	80	92
22	56	54	55	121	76	84	84	69	73	122	83	104
23	56	54	55	111	75	86	91	69	76	139	93	113
24	58	56	57	102	72	77	109	67	80	155	89	122
25	61	58	59	77	73	76	100	77	88	188	96	135
26	63	61	62	77	72	75	98	77	87	231	102	151
27	65	63	64	73	67	71	95	76	84	268	105	175
28	80	65	68	69	65	67	94	75	83	324	112	199
29	88	67	72	67	64	65	97	75	84	380	119	223
30	92	70	77	65	60	63	96	75	84	468	125	256
31	---	---	---	---	---	---	92	76	84	---	---	---
MONTH	214	54	100	---	---	---	111	59	76	---	---	---

ASHLEY RIVER BASIN

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Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.3	22.0	23.7	25.8	24.2	24.6	26.2	25.6	25.9	27.1	25.7	26.5
2	25.1	21.9	23.7	26.1	24.0	24.8	26.4	25.5	25.9	26.8	25.4	26.2
3	24.9	21.3	23.0	26.6	24.2	25.4	26.2	25.6	25.9	27.0	24.9	25.9
4	23.8	21.4	22.6	27.2	24.8	26.1	26.6	25.5	26.0	27.3	24.8	26.1
5	25.0	22.0	23.6	27.2	24.9	26.2	26.4	25.2	25.7	26.6	25.0	25.7
6	25.5	23.5	24.7	27.7	25.0	26.4	26.4	25.2	25.7	25.0	23.1	24.1
7	25.7	23.8	24.9	28.1	25.3	26.8	27.0	25.3	25.9	23.1	21.9	22.5
8	25.7	23.8	24.9	28.7	25.3	26.9	26.8	25.3	25.9	22.2	21.8	22.0
9	27.3	24.4	26.0	28.7	25.6	27.0	27.9	25.4	26.4	22.7	21.9	22.3
10	28.8	26.0	27.4	28.3	26.4	27.1	28.0	25.7	26.6	---	---	---
11	29.6	26.3	28.0	28.6	26.2	27.0	27.0	25.4	26.0	---	---	---
12	29.0	25.7	27.4	28.5	26.2	27.0	26.0	24.7	25.2	21.7	21.4	21.5
13	27.4	25.3	26.1	27.0	25.9	26.4	25.5	24.7	25.1	21.8	21.1	21.5
14	26.7	24.3	25.4	26.3	25.1	25.4	26.0	24.9	25.4	---	---	---
15	27.2	24.4	25.7	25.9	24.3	25.0	26.3	25.4	25.8	---	---	---
16	27.2	25.2	26.0	---	---	---	26.7	25.7	26.0	---	---	---
17	26.4	24.9	25.4	---	---	---	26.2	25.1	25.6	23.4	22.4	22.8
18	25.8	24.6	25.1	---	---	---	26.3	25.1	25.6	22.7	21.8	22.2
19	25.9	24.4	25.1	26.7	25.2	25.9	26.2	25.2	25.5	22.8	21.3	22.0
20	25.9	24.8	25.4	27.1	24.8	25.6	26.3	25.0	25.5	23.4	21.3	22.3
21	25.4	24.4	24.8	27.1	24.6	25.7	26.3	25.1	25.6	24.2	21.8	23.0
22	24.4	23.5	24.0	27.1	25.0	25.9	26.5	24.9	25.6	24.7	22.5	23.6
23	24.1	23.4	23.8	26.9	24.4	25.4	27.6	25.0	26.1	25.2	23.3	24.2
24	24.3	23.5	24.0	25.1	24.0	24.3	27.1	25.5	26.2	25.1	23.4	24.3
25	24.7	23.7	24.2	24.7	23.9	24.2	27.2	25.6	26.3	24.8	22.8	24.0
26	25.1	23.9	24.5	24.7	23.9	24.2	28.0	25.4	26.5	24.7	22.3	23.6
27	25.5	24.2	24.8	24.9	24.0	24.5	28.1	25.6	26.7	24.5	22.0	23.5
28	25.6	24.4	25.0	25.1	24.5	24.7	28.0	25.8	26.8	24.6	22.0	23.6
29	25.7	24.5	24.9	25.3	24.5	25.0	27.7	25.8	26.7	24.1	21.3	22.5
30	26.3	24.0	25.0	25.6	24.9	25.3	27.5	25.8	26.5	22.3	19.7	21.2
31	---	---	---	---	---	---	27.1	25.6	26.4	---	---	---
MONTH	29.6	21.3	25.0	---	---	---	28.1	24.7	26.0	---	---	---

