

02172080 ASHLEY RIVER NEAR SUMMERVILLE, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2001 to May 2005 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 2001 to May 2005 (discontinued).

WATER TEMPERATURE: August 2001 to May 2005 (discontinued).

DISSOLVED OXYGEN: August 2001 to May 2005 (discontinued).

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

REMARKS.--Specific conductance records rated excellent except Oct. 11-13, 21-29, Dec. 30 to Jan. 7, Mar. 8-14, which are good, and Mar. 15 to Apr. 1, which are poor. Temperature records rated excellent. Dissolved oxygen records rated good except for Oct. 14-17, Nov. 10 to Dec. 5, Mar. 1-4, 16-19, Mar. 24 to May 4, which are excellent, Oct. 7-13, 22-26, Mar. 11-14, which are fair, and Oct. 27-29, Jan. 17-27, Feb. 19-21, 25-28, Mar. 15, which are poor. Prior to October 1, 2003 dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 671 microsiemens, Oct. 12, 2002; minimum, 49 microsiemens, Sep. 12, 13, 2003.

WATER TEMPERATURE: Maximum, 30.1°C, July 20, 2002; minimum, 1.4°C, Jan. 25, 2003.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L, Jan. 25, 31, Feb. 2, 2004; minimum, 0.0 mg/L, Aug. 27, 2002, Sep. 3-6, 16-29, 2002, Oct. 9-12, 2002, and several days in May and August, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 136 microsiemens, Nov. 24; minimum, 85 microsiemens, Apr. 2.

WATER TEMPERATURE: Maximum, 23.9°C, Oct. 1; minimum, 1.8°C, Jan. 19, 20.

DISSOLVED OXYGEN: Maximum, 11.6 mg/L, Jan. 25, 29; minimum, 0.2 mg/L, Nov. 25.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	109	108	108	117	113	115	121	119	120	118	116	117
2	110	107	109	117	114	116	119	115	119	119	117	118
3	107	100	103	120	116	117	120	118	119	120	118	119
4	101	100	101	122	112	118	120	119	119	122	120	121
5	101	100	100	120	116	118	120	119	119	122	120	121
6	101	99	100	118	115	118	122	115	120	121	118	120
7	100	98	99	119	117	118	123	118	121	---	---	---
8	98	97	98	120	118	119	125	119	123	121	120	120
9	99	97	98	---	---	---	128	124	126	121	120	120
10	99	98	98	---	---	---	131	124	129	121	119	120
11	98	97	98	121	119	120	131	114	121	120	118	119
12	98	97	97	123	115	121	118	114	116	118	117	117
13	98	97	97	115	107	110	117	115	116	117	114	116
14	98	94	95	116	109	112	118	116	117	115	110	112
15	94	90	92	121	116	118	118	117	117	117	110	114
16	93	88	90	123	120	122	118	116	117	116	100	110
17	94	92	93	124	122	123	117	116	117	107	99	102
18	95	93	94	124	123	123	118	117	117	109	106	108
19	97	95	96	125	124	125	119	117	118	---	---	---
20	99	96	97	128	125	126	118	116	117	117	114	116
21	100	99	99	130	127	129	117	116	116	121	117	119
22	102	100	101	133	129	131	117	116	117	122	120	121
23	103	101	102	135	131	133	118	117	117	123	122	122
24	104	102	103	136	131	134	118	115	118	123	122	122
25	104	103	103	135	126	131	115	113	114	124	123	123
26	106	103	105	127	126	126	113	103	108	126	124	125
27	107	106	106	128	126	127	111	101	107	---	---	---
28	109	107	108	129	120	127	115	111	113	---	---	---
29	110	108	109	121	118	120	112	109	110	126	124	125
30	112	110	111	119	118	118	112	110	111	124	120	122
31	115	111	113	---	---	---	116	112	114	123	119	120
MONTH	115	88	101	---	---	---	131	101	117	---	---	---

## ASHLEY RIVER BASIN

02172080 ASHLEY RIVER NEAR SUMMERVILLE, SC--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	124	123	123	116	111	114	91	86	88	120	118	119
2	124	123	123	121	115	119	87	85	86	121	118	120
3	124	118	121	120	117	119	87	86	86	123	120	121
4	120	114	116	118	116	117	87	86	87	---	---	---
5	121	118	119	117	115	116	91	87	89	---	---	---
6	123	120	121	118	116	117	93	91	92	---	---	---
7	125	122	123	119	117	118	95	93	94	---	---	---
8	128	124	126	119	116	118	97	93	95	---	---	---
9	128	127	128	117	113	116	99	97	98	---	---	---
10	128	125	127	116	114	115	101	99	99	---	---	---
11	130	127	128	115	113	114	101	99	100	---	---	---
12	131	129	130	115	114	115	103	101	102	---	---	---
13	133	130	131	116	114	115	106	103	104	---	---	---
14	133	130	132	117	115	116	106	104	105	---	---	---
15	133	131	132	117	103	111	105	104	104	---	---	---
16	134	132	133	104	89	99	105	104	104	---	---	---
17	135	133	134	94	87	91	105	103	104	---	---	---
18	135	133	133	95	92	93	105	104	104	---	---	---
19	134	132	132	98	93	95	108	105	107	---	---	---
20	133	131	132	105	98	101	111	108	109	---	---	---
21	132	126	130	108	104	106	---	---	---	---	---	---
22	127	117	121	129	106	109	115	113	114	---	---	---
23	126	123	125	108	90	96	117	114	115	---	---	---
24	126	120	123	93	89	91	118	116	117	---	---	---
25	123	120	122	93	90	92	118	116	117	---	---	---
26	124	122	123	92	89	91	---	---	---	---	---	---
27	130	122	124	122	86	101	117	115	116	---	---	---
28	122	107	111	104	96	99	118	116	117	---	---	---
29	---	---	---	104	98	102	120	118	119	---	---	---
30	---	---	---	98	95	97	122	119	120	---	---	---
31	---	---	---	95	89	92	---	---	---	---	---	---
MONTH	135	107	126	129	86	106	---	---	---	---	---	---

ASHLEY RIVER BASIN

02172080 ASHLEY RIVER NEAR SUMMERVILLE, SC--Continued

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.9	22.9	23.4	21.3	20.4	20.7	13.1	12.1	12.6	10.6	8.5	9.5			
2	23.5	22.9	23.3	21.2	20.5	20.8	13.1	11.4	11.9	11.8	9.7	10.9			
3	23.5	22.9	23.2	21.1	20.6	20.8	12.0	10.5	11.0	12.6	10.6	11.7			
4	23.4	22.4	22.9	21.3	20.9	21.1	10.9	9.9	10.2	14.1	11.7	12.9			
5	22.4	21.4	21.9	21.3	18.3	20.0	10.5	9.0	9.5	14.1	12.8	13.4			
6	21.9	21.0	21.3	18.3	16.2	17.2	10.6	9.7	10.2	14.8	13.5	14.1			
7	21.3	19.7	20.4	16.2	15.0	15.5	11.3	10.6	11.0	---	---	---			
8	19.7	18.3	18.8	15.5	14.6	15.0	12.0	11.3	11.7	17.1	14.8	15.9			
9	20.4	18.9	19.7	15.5	13.9	14.7	12.7	12.0	12.3	17.3	16.6	16.9			
10	20.8	20.1	20.5	13.9	12.6	13.1	13.5	12.7	13.1	16.6	15.3	15.9			
11	21.2	20.4	20.8	13.9	13.3	13.5	14.8	13.4	14.2	16.0	14.2	14.8			
12	21.8	20.7	21.2	16.5	13.9	14.5	13.4	11.3	12.3	14.9	13.9	14.4			
13	22.7	21.5	22.0	16.7	15.3	16.3	11.4	10.8	11.1	16.5	14.2	15.3			
14	21.9	20.0	20.8	15.3	12.6	13.8	10.9	9.0	9.8	17.0	15.6	16.7			
15	20.0	18.2	19.3	12.6	11.3	12.0	9.0	6.9	7.8	15.6	11.1	12.9			
16	18.2	16.4	17.2	11.5	10.3	10.8	6.9	5.4	6.0	11.1	7.6	9.4			
17	18.5	16.5	17.3	11.3	10.2	10.7	6.9	5.9	6.3	7.6	5.2	6.8			
18	19.1	17.8	18.4	11.3	10.5	10.9	7.4	6.8	7.1	5.2	2.4	4.3			
19	21.3	19.1	20.1	12.4	11.2	11.8	8.0	6.6	7.3	---	1.8	---			
20	21.9	20.6	21.1	13.2	12.4	12.8	7.5	5.1	5.8	4.4	1.8	3.1			
21	21.4	19.8	20.5	14.0	13.2	13.6	5.3	4.3	4.8	7.3	3.2	5.8			
22	19.8	19.0	19.4	14.8	14.0	14.4	5.8	4.6	5.3	8.5	6.9	7.9			
23	19.4	18.0	18.4	15.5	14.7	15.1	7.0	5.8	6.5	9.1	4.9	7.7			
24	18.3	16.7	17.2	16.3	15.5	15.9	8.3	7.0	7.6	4.9	2.4	3.7			
25	18.0	17.2	17.6	17.6	15.9	16.8	8.3	6.6	7.4	5.2	2.3	3.7			
26	17.9	17.1	17.5	15.9	12.7	13.7	6.6	5.7	6.0	7.7	3.5	5.9			
27	18.1	17.5	17.8	12.7	11.1	11.6	5.8	4.4	4.9	---	---	---			
28	18.4	18.1	18.2	12.8	11.8	12.3	5.1	2.7	3.8	---	---	---			
29	18.9	18.0	18.4	12.3	11.3	11.8	6.2	3.1	4.4	5.0	4.0	4.4			
30	19.8	18.4	19.1	12.1	11.3	11.7	7.2	5.2	6.0	5.4	3.8	4.5			
31	20.9	19.8	20.3	---	---	---	8.7	6.3	7.6	7.1	4.9	5.8			
MONTH	23.9	16.4	19.9	21.3	10.2	14.8	14.8	2.7	8.6	---	---	---			

DAY	MAX	MIN	MEAN	Temperature, water, degrees Celsius			MAX	MIN	MEAN	MAX	MIN	MEAN			
				MAX	MIN	MEAN									
				FEBRUARY			MARCH			APRIL			MAY		
1	6.9	5.9	6.4	11.2	10.1	10.7	23.2	18.4	18.7	20.2	18.2	19.1			
2	6.8	6.3	6.5	11.0	8.0	8.9	18.6	17.5	18.3	20.6	18.8	19.4			
3	7.0	6.5	6.7	9.2	7.6	8.2	17.5	15.9	16.4	20.3	18.2	19.1			
4	8.2	6.4	7.1	10.5	7.7	8.7	17.0	15.4	16.1	---	---	---			
5	8.5	6.6	7.4	12.4	9.4	10.6	18.3	16.8	17.4	---	---	---			
6	8.5	6.7	7.5	13.1	10.9	11.8	19.2	17.8	18.4	---	---	---			
7	9.6	7.5	8.4	14.3	11.1	12.4	19.5	18.8	19.0	---	---	---			
8	10.8	8.3	9.3	14.9	13.7	14.4	19.7	18.0	18.8	---	---	---			
9	11.3	10.4	10.7	14.6	9.3	11.0	19.7	17.7	18.5	---	---	---			
10	12.6	11.1	11.7	11.7	8.2	9.6	17.7	16.0	16.8	---	---	---			
11	11.1	7.6	9.4	11.7	10.2	10.9	18.1	15.8	16.8	---	---	---			
12	8.5	6.8	7.5	13.7	9.9	11.3	18.1	16.4	17.1	---	---	---			
13	8.5	7.2	7.8	17.2	12.9	14.6	19.1	17.8	18.4	---	---	---			
14	10.6	8.5	9.5	17.2	15.6	16.5	18.7	13.8	15.8	---	---	---			
15	12.8	10.6	11.6	16.5	13.7	14.8	14.6	12.7	13.6	---	---	---			
16	15.1	12.8	13.8	14.9	11.2	13.1	14.6	12.9	13.6	---	---	---			
17	15.0	13.4	14.5	11.2	8.2	9.6	14.3	12.3	13.3	---	---	---			
18	13.4	10.4	11.7	9.5	7.6	8.2	16.1	12.9	14.1	---	---	---			
19	10.6	8.4	9.5	12.9	8.9	10.4	17.7	14.6	15.9	---	---	---			
20	10.3	9.0	9.7	15.2	10.9	12.7	18.8	16.3	17.3	---	---	---			
21	13.9	10.2	11.6	15.4	13.9	14.6	---	---	---	---	---	---			
22	17.4	13.8	15.2	16.1	14.4	15.0	19.5	17.9	18.9	---	---	---			
23	17.3	15.5	16.4	18.9	15.8	16.8	20.0	18.3	19.3	---	---	---			
24	17.0	15.3	16.1	19.0	17.0	18.0	18.3	15.7	16.7	---	---	---			
25	15.3	11.2	12.8	19.0	17.0	17.7	16.7	13.4	15.0	---	---	---			
26	11.5	9.2	10.3	19.2	17.4	18.0	---	---	---	---	---	---			
27	11.5	10.0	10.6	19.3	17.4	18.1	18.4	14.7	16.6	---	---	---			
28	11.2	9.3	10.0	17.8	17.1	17.5	18.7	16.5	17.6	---	---	---			
29	---	---	---	17.1	15.7	16.4	18.7	16.6	17.7	---	---	---			
30	---	---	---	18.7	16.9	17.7	19.3	17.6	18.4	---	---	---			
31	---	---	---	19.0	18.4	18.7	---	---	---	---	---	---			
MONTH	17.4	5.9	10.3	19.3	7.6	13.4	---	---	---	---	---	---			

ASHLEY RIVER BASIN

02172080 ASHLEY RIVER NEAR SUMMERVILLE, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.6	2.3	2.4	3.5	2.1	3.0	3.9	2.6	3.0	8.8	8.1	8.4
2	2.9	2.5	2.6	3.3	2.0	2.8	4.4	3.6	4.1	8.2	7.6	7.8
3	3.1	2.8	2.9	3.1	1.6	2.4	4.2	3.4	3.8	7.6	7.2	7.4
4	3.1	2.9	3.0	2.9	1.5	2.1	4.5	3.9	4.3	7.3	6.7	7.0
5	3.4	3.0	3.2	2.7	1.8	2.3	4.8	3.9	4.5	6.7	6.4	6.6
6	3.4	3.2	3.3	3.3	2.3	2.7	4.2	3.6	3.9	6.4	6.2	6.3
7	3.8	3.4	3.5	3.5	2.5	3.1	3.7	2.6	3.2	---	---	---
8	4.1	3.8	3.9	3.6	2.5	3.1	2.6	2.0	2.3	6.1	5.6	5.8
9	4.0	3.7	3.8	---	---	---	2.1	1.2	1.6	5.6	4.9	5.3
10	3.7	3.4	3.5	---	---	---	1.2	0.6	0.9	5.7	5.3	5.5
11	3.6	3.4	3.5	3.6	2.6	3.2	4.2	0.5	2.5	5.9	5.4	5.7
12	3.6	3.4	3.5	3.6	1.7	2.3	4.3	3.7	4.1	5.9	5.7	5.8
13	3.4	3.2	3.3	4.1	3.6	3.9	5.2	4.2	4.7	5.9	5.5	5.7
14	3.8	3.2	3.4	4.8	4.0	4.3	5.3	4.9	5.2	5.7	5.3	5.4
15	4.2	3.8	4.0	5.1	4.3	4.6	5.8	5.1	5.4	6.5	5.4	5.9
16	4.7	4.1	4.4	5.2	4.4	4.9	6.3	5.8	6.0	8.6	6.5	7.7
17	4.7	4.4	4.5	5.3	4.5	5.0	6.5	6.0	6.4	9.3	8.6	8.9
18	4.4	4.1	4.3	5.2	4.4	5.0	6.7	5.9	6.5	10.9	8.9	9.8
19	4.2	3.8	4.0	4.4	3.6	3.9	6.5	6.2	6.4	---	---	---
20	4.0	3.5	3.6	3.6	2.3	3.0	7.1	6.4	6.8	11.3	10.1	10.9
21	3.7	3.5	3.5	2.5	1.7	2.1	6.8	6.2	6.5	11.1	8.9	10.0
22	3.8	3.6	3.7	1.8	1.1	1.4	6.9	6.2	6.6	---	---	---
23	4.0	3.8	3.9	1.2	0.6	0.8	6.5	5.8	6.1	9.8	8.5	8.9
24	4.3	3.9	4.2	0.7	0.4	0.6	6.0	5.1	5.4	11.3	9.8	10.5
25	4.4	4.2	4.3	2.5	0.2	1.3	6.8	6.0	6.2	11.6	10.3	11.0
26	4.5	4.2	4.4	2.7	2.2	2.5	8.9	6.8	8.1	11.3	9.0	10.2
27	4.4	4.2	4.3	2.5	1.7	2.1	9.6	8.4	9.2	---	---	---
28	4.3	4.1	4.2	4.0	1.4	2.3	10.2	9.6	10	---	---	---
29	4.1	4.0	4.0	4.1	3.5	3.9	10.2	9.7	10.0	11.6	10.5	11.0
30	4.0	3.4	3.8	4.7	3.6	4.2	9.7	9.3	9.6	11.5	10.9	11.3
31	3.8	2.6	3.4	---	---	---	9.3	8.8	9.1	10.9	10.5	10.8
MONTH	4.7	2.3	3.7	---	---	---	10.2	0.5	5.6	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.9	10.3	10.6	8.0	7.3	7.7	4.0	3.6	3.8	3.3	2.9	3.2
2	10.8	10.4	10.6	8.8	7.6	8.1	3.6	3.4	3.5	3.1	2.1	2.8
3	10.5	10.2	10.4	9.2	8.2	8.7	4.3	3.5	3.9	3.0	1.6	2.5
4	10.5	10.1	10.2	9.2	8.6	8.9	4.4	4.3	4.4	---	---	---
5	10.6	10.2	10.4	9.0	8.1	8.4	4.4	4.2	4.3	---	---	---
6	10.7	10.1	10.4	8.5	7.5	8.0	4.4	4.0	4.2	---	---	---
7	10.5	9.9	10.2	8.5	7.6	8.0	4.2	4.0	4.1	---	---	---
8	10.2	9.5	9.8	8.1	6.9	7.4	4.3	3.9	4.1	---	---	---
9	9.5	8.7	8.9	9.2	7.3	8.1	4.5	4.0	4.2	---	---	---
10	8.9	8.1	8.5	9.6	8.8	9.2	5.3	4.5	5.0	---	---	---
11	10.1	8.5	9.2	9.1	8.2	8.7	5.5	4.9	5.2	---	---	---
12	10.7	9.9	10.3	9.3	8.3	8.8	5.4	4.8	5.1	---	---	---
13	10.5	9.9	10.2	8.5	7.3	7.9	5.1	4.7	4.8	---	---	---
14	10.1	9.3	9.7	7.4	6.5	7.0	6.1	4.6	5.4	---	---	---
15	9.5	8.7	9.0	8.0	6.8	7.4	6.6	6.1	6.4	---	---	---
16	8.8	7.8	8.2	7.8	7.2	7.5	6.8	6.0	6.4	---	---	---
17	8.5	7.1	7.7	8.8	7.8	8.1	6.8	6.3	6.5	---	---	---
18	9.2	7.7	8.3	9.8	8.8	9.3	6.6	5.8	6.3	---	---	---
19	---	---	---	9.9	8.9	9.3	5.9	5.2	5.7	---	---	---
20	10.0	7.7	9.2	9.6	8.2	8.7	5.4	4.9	5.2	---	---	---
21	9.2	7.8	8.7	8.3	7.4	7.8	---	---	---	---	---	---
22	8.1	6.5	7.5	8.0	7.0	7.5	4.5	4.1	4.4	---	---	---
23	7.2	6.0	6.5	7.6	6.2	6.8	4.1	3.4	3.6	---	---	---
24	6.4	6.0	6.2	6.4	5.4	6.0	4.3	3.7	4.1	---	---	---
25	---	---	---	6.2	5.3	5.6	5.0	4.3	4.7	---	---	---
26	---	---	---	5.9	5.3	5.6	---	---	---	---	---	---
27	---	---	---	6.3	5.5	5.9	4.7	4.0	4.4	---	---	---
28	---	---	---	6.0	5.0	5.3	4.0	3.7	3.9	---	---	---
29	---	---	---	5.0	4.9	4.9	3.8	3.2	3.6	---	---	---
30	---	---	---	4.9	4.3	4.6	3.5	2.6	3.3	---	---	---
31	---	---	---	4.3	3.9	4.1	---	---	---	---	---	---
MONTH	---	---	---	9.9	3.9	7.4	---	---	---	---	---	---