

02172080 ASHLEY RIVER NEAR SUMMERVILLE, SC

LOCATION.--Lat 32°58'06'', long 80°15'11'', Dorchester County, Hydrologic Unit 03050202, on downstream side of bridge on US Hwy 17-A (Slands Bridge), 5 mi southeast of Givhans, and 5 mi southwest of Summerville.

DRAINAGE AREA.--Indeterminate.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2001 to September 2003 (discontinued).

GAGE.--Data collection platform and acoustic velocity meter. Elevation of gage is 15 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records poor. This site is strongly affected by astronomical tides. The astronomical tides occur at primary harmonic periods of 12.42 hours for semi-diurnal tides and 24.84 hours for diurnal tides. Computed 24-hour daily mean discharge for this site may be affected by aliasing due to tides and, thus, may contain spurious fluctuations or oscillations that are not indicative of net downstream discharge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,340 ft<sup>3</sup>/s, Sep. 11, 2001, maximum gage height, 40.25 ft, Sep. 11, 2003; minimum discharge, -31 ft<sup>3</sup>/s, Sep. 24, 2001, minimum gage height, 29.87 ft, Dec. 9, 10, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,340 ft<sup>3</sup>/s, Sep. 11, maximum gage height, 40.25 ft, Sep. 11; minimum discharge, -13 ft<sup>3</sup>/s, Oct. 8, minimum gage height, 30.32 ft, Oct. 7.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX		MIN		MAX		MIN		MAX		MIN		MAX		MIN	
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH					
1	18	-5.6	137	81	197	103	670	498	78	31	306	181				
2	19	-11	120	59	169	101	636	454	67	28	381	208				
3	21	-5.5	113	62	140	68	561	392	71	25	561	299				
4	20	-4.2	104	49	131	66	481	347	75	27	637	445				
5	20	-9.3	97	53	108	55	442	308	65	26	680	480				
6	21	-5.4	125	55	106	51	443	301	64	28	784	538				
7	17	-6.7	139	82	95	43	447	323	81	24	894	654				
8	22	-13	169	98	81	33	468	319	80	39	956	695				
9	22	-8.4	178	117	77	32	428	303	84	40	956	729				
10	22	-7.0	221	117	78	30	398	275	94	39	891	633				
11	39	-0.45	227	145	85	28	351	235	110	48	777	596				
12	69	4.2	284	178	98	23	302	146	95	48	688	532				
13	96	27	300	193	125	50	291	159	102	52	633	478				
14	123	50	328	219	139	82	239	135	102	53	632	444				
15	131	79	354	269	185	101	207	124	112	54	569	419				
16	149	88	365	283	226	139	203	114	138	53	528	339				
17	174	102	435	288	231	143	176	94	157	90	462	327				
18	202	120	514	318	---	---	156	95	195	110	456	280				
19	223	140	595	407	---	---	141	84	190	114	438	309				
20	221	138	618	437	321	177	127	72	183	116	615	296				
21	219	163	---	---	325	199	124	73	184	106	967	528				
22	214	140	---	---	328	218	133	65	191	99	1210	856				
23	206	114	594	393	328	213	138	81	219	122	1690	1060				
24	176	123	565	381	342	202	146	64	228	135	1820	1480				
25	160	99	455	321	472	262	113	59	234	134	1740	1350				
26	157	92	414	256	576	394	115	62	240	134	1540	1150				
27	146	82	354	231	631	463	95	49	269	139	1250	882				
28	138	85	313	188	706	492	87	41	292	178	947	674				
29	133	71	268	144	780	571	84	40	---	---	749	476				
30	137	77	214	117	743	598	80	43	---	---	632	393				
31	135	82	---	---	728	506	82	39	---	---	498	303				
MONTH	223	-13	---	---	---	---	670	39	292	24	1820	181				

## ASHLEY RIVER BASIN

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Discharge, cubic feet per second  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	419	56	198	102	228	121	337	200	---	---	310	238
2	337	212	225	131	180	102	287	149	---	---	253	208
3	329	194	258	151	162	80	240	124	---	---	233	192
4	252	149	254	156	161	78	198	116	---	---	209	152
5	253	122	234	114	136	63	177	90	705	593	224	156
6	228	109	222	112	98	35	197	100	641	557	311	201
7	254	121	208	122	96	43	209	112	603	509	846	295
8	341	211	202	98	126	52	408	141	536	453	1590	843
9	414	221	182	89	101	19	667	339	487	409	2620	1570
10	612	277	170	68	103	40	710	550	512	409	3320	2590
11	758	473	133	60	181	67	675	476	563	474	3340	2970
12	1140	652	94	20	247	127	614	390	645	514	2980	2290
13	1520	1050	72	23	355	118	508	345	---	---	2330	1730
14	1600	1370	67	21	430	289	480	272	---	---	1740	1310
15	1480	1150	77	34	476	330	404	258	808	689	1320	983
16	1260	936	93	44	462	326	---	---	709	588	1010	721
17	1000	679	103	42	475	313	---	---	645	584	766	540
18	773	534	104	49	495	317	---	---	---	---	582	399
19	664	394	260	77	1300	374	405	353	---	---	413	286
20	472	267	231	130	2500	1290	397	335	644	523	306	213
21	368	214	209	121	2640	2350	405	326	578	441	227	161
22	318	178	197	107	2570	2110	362	305	473	391	181	119
23	253	153	248	120	2210	1750	533	346	412	347	144	108
24	210	109	240	156	1890	1450	826	517	380	318	121	86
25	205	107	270	158	1580	1170	1230	810	375	314	96	67
26	217	135	252	161	1270	914	1550	1180	404	346	75	49
27	235	131	265	145	978	664	1760	1510	407	358	57	40
28	199	108	253	138	752	485	2550	1730	407	336	52	31
29	185	108	250	151	590	357	---	---	---	---	40	25
30	173	100	252	150	447	253	2670	2220	362	304	31	19
31	---	---	240	155	---	---	---	---	334	282	---	---
MONTH	1600	56	270	20	2640	19	---	---	---	---	3340	19