

021720812 ASHLEY RIVER NEAR COOKE CROSSROADS, SC

LOCATION.--Lat 32°56'55'', long 80°09'59'', Dorchester County, Hydrologic Unit 03050202, on left bank at Dorchester Boat Club, 2.3 mi east of Cooke Crossroads, 0.1 mi above confluence with Dorchester Creek, and at mile 25.0.

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 10 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records fair. 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, 3,310 ft³/s, Sep. 12, 2003, maximum gage height, 39.65 ft, Mar. 20, 2003; minimum discharge, -1,480 ft³/s, Aug. 19, 2001, minimum gage height, 30.44 ft, Jan. 21, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,310 ft³/s, Sep. 12, maximum gage height, 39.65 ft, Mar. 20; minimum discharge, -1,300 ft³/s, May 16, minimum gage height, 30.44 ft, Jan. 21.

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

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	741	-623	931	-846	1010	-871	1460	-423	1020	-964	1140	-682
2	767	-876	1060	-957	1080	-1030	1290	-306	981	-997	1310	-766
3	833	-984	1050	-1050	1030	-1020	1190	-293	951	-927	1200	-470
4	919	-1010	1050	-1110	1200	-1010	1170	-514	879	-926	1310	-381
5	918	-1110	1160	-1060	1170	-979	1090	-372	751	-750	1260	-244
6	948	-1110	1130	-992	986	-867	889	-340	850	-769	1180	-152
7	990	-1050	1090	-942	921	-836	874	-211	809	-715	1210	-90
8	985	-916	1080	-974	931	-700	653	-237	647	-540	1360	-3.7
9	1050	-909	965	-752	809	-641	693	-163	611	-546	1290	124
10	942	-836	949	-717	907	-752	657	-298	586	-605	1230	195
11	1090	-1040	842	-605	849	-776	669	-228	663	-633	1180	174
12	965	-893	810	-473	686	-727	494	-233	623	-622	1140	113
13	988	-826	902	-430	728	-690	829	-460	816	-686	---	---
14	886	-738	961	-466	841	-717	699	-452	811	-771	---	---
15	1000	-798	1030	-589	818	-746	598	-525	956	-922	1340	-260
16	933	-663	1070	-710	795	-679	845	-769	1100	-1040	1330	-398
17	921	-702	1110	-408	893	-774	872	-664	1180	-1040	1360	-640
18	921	-650	1070	-406	1040	-700	1010	-832	1140	-990	1300	-635
19	937	-749	1210	-464	1040	-689	891	-828	1020	-974	1470	-799
20	920	-789	1200	-446	1090	-708	765	-759	1020	-977	1990	-602
21	978	-785	1270	-276	917	-674	887	-816	1100	-906	1720	-117
22	962	-733	1160	-149	965	-457	1100	-909	1060	-884	1740	74
23	884	-647	1060	-262	955	-536	985	-812	1050	-760	1680	375
24	---	---	1090	-203	1210	-681	858	-676	976	-743	1880	741
25	---	---	1030	-201	1040	-385	777	-795	1010	-687	2030	833
26	837	-635	969	-398	1140	-307	952	-760	995	-667	1800	704
27	---	---	894	-387	1190	-229	774	-726	1110	-721	1720	423
28	---	---	898	-476	1120	-186	922	-765	1120	-740	1580	220
29	866	-662	887	-641	1020	-164	952	-834	---	---	1500	-17
30	849	-566	772	-655	1250	-320	1030	-976	---	---	---	---
31	912	-799	---	---	1300	-270	991	-982	---	---	1220	-559
MONTH	---	---	1270	-1110	1300	-1030	1460	-982	1180	-1040	---	---

ASHLEY RIVER BASIN

021720812 ASHLEY RIVER NEAR COOKE CROSSROADS, SC--Continued

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	1180	-498	1060	-838	1090	-868	1200	-836	---	---	1170	-832
2	1100	-660	1070	-819	1090	-998	1190	-650	---	---	1170	-807
3	996	-702	1170	-846	1050	-905	1030	-865	---	---	1130	-778
4	979	-857	1080	-843	1110	-918	1010	-841	---	---	1110	-870
5	959	-746	1190	-828	972	-837	1010	-901	---	---	1190	-719
6	998	-706	1050	-1080	966	-1030	1050	-841	1380	-153	1340	-751
7	1070	-566	869	-692	1020	-965	1010	-841	1390	-352	1460	-519
8	1140	-547	951	-644	974	-965	1060	-759	1390	-491	1530	-248
9	1320	-439	---	---	995	-891	1350	-566	1400	-617	1980	391
10	1300	-314	---	---	1120	-1070	1410	-450	1350	-618	---	---
11	1300	-298	---	---	1230	-1090	1470	-436	1310	-630	---	---
12	1360	98	---	---	1350	-1150	1360	-564	1360	-544	3310	2030
13	1690	129	1050	-1070	1350	-969	1360	-680	1390	-355	3040	1530
14	1860	383	1110	-1240	1320	-893	1380	-611	1470	-128	2410	1010
15	1910	500	1210	-1200	1390	-713	1290	-720	1460	-89	---	---
16	1750	287	1210	-1300	1380	-599	1310	-706	1370	-268	---	---
17	1760	79	1250	-1210	1370	-668	1210	-571	1230	-33	1440	155
18	1710	-182	1320	-1150	1320	-549	1130	-463	1180	-135	1180	-81
19	1470	-481	1420	-821	1410	-171	1060	-366	1280	-149	978	-257
20	1370	-641	1290	-784	1730	402	1010	-472	1220	-92	1030	-569
21	1300	-633	1090	-777	2440	941	1030	-450	1180	-94	1120	-830
22	1190	-707	1030	-817	2560	1530	921	-436	1110	-265	1160	-852
23	1070	-676	1070	-903	2270	1380	859	-359	1090	-341	1190	-988
24	1020	-738	1080	-639	2020	1070	1150	-22	1170	-540	1110	-1020
25	1020	-928	1080	-620	1840	780	1310	90	1260	-644	1220	-974
26	1070	-694	1060	-666	1630	415	1680	414	1260	-698	1310	-863
27	1100	-870	987	-717	1560	150	1850	645	1300	-803	1260	-915
28	1130	-835	1130	-870	1460	-187	2080	929	1310	-808	1320	-885
29	1050	-858	1090	-827	1430	-429	2210	1460	1290	-864	1240	-877
30	1000	-942	1040	-797	1230	-729	---	---	1300	-786	1260	-888
31	---	---	1080	-820	---	---	---	---	1240	-747	---	---
MONTH	1910	-942	---	---	2560	-1150	---	---	---	---	---	---