

021720817 EAGLE CREEK NEAR NORTH CHARLESTON, SC

LOCATION.--Lat 32°57'02'', long 80°09'34'', Dorchester County, Hydrologic Unit 03050202, on downstream side of bridge on State Hwy 642, 2.5 mi east of Cooke Crossroads, and 0.35 mi upstream of confluence with Ashley River.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform and acoustic velocity meter. Elevation of gage is 7 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, 1,170 ft³/s, Mar. 20, 2003, maximum gage height, 36.36 ft, Mar. 20, 2003; minimum discharge, -232 ft³/s, Nov. 12, 2001, minimum gage height, 28.41 ft, Aug. 19, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,170 ft³/s, Mar. 20, maximum gage height, 36.36 ft, Mar. 20; minimum discharge, -211 ft³/s, Apr. 7, minimum gage height, 28.70 ft, May 13-15.

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	173	-110	187	-91	147	-91	223	-73	161	-95	197	-76
2	196	-134	194	-102	176	-116	183	-75	135	-97	236	-23
3	224	-135	211	-133	162	-108	187	-79	143	-88	185	-85
4	196	-138	208	-107	159	-115	152	-92	137	-85	185	-94
5	198	-158	229	-107	164	-105	160	-78	108	-76	172	-93
6	213	-158	223	-76	143	-86	150	-73	124	-68	144	-67
7	203	-165	213	-84	136	-93	135	-66	125	-55	223	-5.5
8	222	-130	188	-106	149	-105	96	-56	93	-55	189	-54
9	207	-124	163	-98	141	-93	88	-50	114	-59	171	-67
10	---	---	204	-88	155	-75	104	-57	90	-75	127	-65
11	326	-26	174	-61	149	-59	97	-61	84	-41	139	-58
12	259	-79	143	-41	94	-53	88	-54	98	-58	112	-73
13	198	-94	192	-16	141	-66	122	-76	120	-62	126	-77
14	203	-71	176	-56	166	-48	120	-67	122	-69	157	-78
15	219	-80	171	-78	134	-63	87	-67	131	-97	179	-69
16	180	-59	241	-91	121	-67	127	-82	175	-109	200	-83
17	177	-63	231	-26	128	-92	127	-82	195	-102	189	-104
18	203	-71	138	-80	147	-96	139	-97	167	-100	233	-105
19	186	-60	148	-87	177	-89	111	-77	176	-101	212	-128
20	172	-73	154	-103	167	-91	97	-75	164	-109	1170	-111
21	---	---	160	-103	130	-84	133	-83	156	-115	613	20
22	162	-78	146	-79	137	-66	163	-79	178	-93	256	-62
23	204	-72	117	-81	141	-77	146	-92	162	-36	164	-78
24	172	-61	131	-69	371	-85	125	-66	131	-73	209	-121
25	174	-62	123	-91	237	1.9	116	-71	127	-80	164	-113
26	170	-73	139	-85	149	-62	126	-71	128	-85	134	-106
27	---	---	136	-81	127	-63	113	-68	190	-97	132	-79
28	---	---	126	-84	117	-70	131	-68	151	-79	286	-124
29	153	-77	134	-85	122	-69	134	-85	---	---	180	-148
30	163	-72	127	-77	127	-83	151	-98	---	---	---	---
31	179	-86	---	---	151	-90	135	-95	---	---	258	-85
MONTH	---	---	241	-133	371	-116	223	-98	195	-115	---	---

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	138	-111	166	-127	164	-124	188	-132	149	-135	184	-149
2	107	-104	185	-123	184	-128	197	-107	190	-125	181	-117
3	101	-98	162	-117	175	-117	187	-109	180	-127	211	-123
4	110	-199	157	-123	212	-65	175	-108	182	-111	187	-116
5	60	-125	173	-122	211	-95	175	-116	180	-126	271	-70
6	44	-167	193	-99	185	-117	166	-99	409	-104	301	-69
7	680	-211	199	-71	175	-79	181	-111	236	-78	250	-59
8	351	45	161	-94	251	-19	189	-104	242	-84	347	-77
9	452	56	140	-91	205	-89	186	-123	217	-128	260	-95
10	299	-2.0	138	-92	204	-115	260	-155	194	-145	215	-120
11	220	-25	159	-115	194	-144	202	-122	218	-139	179	-123
12	196	-70	169	-112	231	-152	195	-161	216	-123	166	-116
13	167	-91	182	-124	209	-146	194	-134	198	-141	163	-128
14	174	-116	206	-155	254	-135	196	-141	207	-142	191	-108
15	167	-120	205	-149	229	-138	228	-108	175	-124	159	-85
16	182	-156	223	-164	200	-140	---	---	174	-114	150	-90
17	177	-154	219	-130	214	-146	---	---	153	-91	197	-97
18	192	-146	215	-128	208	-121	---	---	126	-93	133	-82
19	201	-152	347	-28	306	-82	159	-109	184	-105	113	-73
20	197	-129	231	-106	176	-130	142	-103	176	-42	122	-100
21	201	-117	191	-91	175	-113	136	-96	206	-84	155	-135
22	182	-100	182	-93	146	-112	161	-96	175	-45	209	-122
23	153	-99	433	-83	138	-124	164	-71	150	-91	196	-124
24	166	-104	212	-37	146	-131	---	---	189	-75	167	-115
25	259	-99	229	-70	143	-124	---	---	198	-125	199	-126
26	257	-21	184	-90	161	-131	---	---	189	-128	221	-143
27	208	-108	170	-98	156	-137	---	---	173	-147	219	-143
28	187	-120	177	-125	192	-141	---	---	240	-147	218	-131
29	180	-121	167	-108	178	-137	---	---	219	-140	207	-125
30	151	-119	171	-114	178	-137	201	-140	195	-152	200	-142
31	---	---	170	-111	---	---	175	-141	206	-138	---	---
MONTH	680	-211	433	-164	306	-152	---	---	409	-152	347	-149