02136358 SAMPIT RIVER NEAR GEORGETOWN, SC

Lower Pee Dee Basin
Carolina Coastal-Sampit Subbasin

LOCATION.--Lat 33°21′43″, long 79°23′00″ referenced to North American Datum of 1983, Georgetown County, SC, Hydrologic Unit 03040207, on right upstream side of the 3-V chemical dock, 3.6 mi upstream of U.S. Highway 17 bridge in Georgetown.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 2005 to current year.

GAGE.--Data collection platform and acoustic velocity meter. Elevation of gage is 19 ft below NGVD of 1929 (from topographic map).

REMARKS.--Records fair. Astronomical tides cause cycles of approximately 24.8 hours at this site during periods of low to medium flow. During periods of higher flow, the tidal influence is overcome by basin runoff. Previously published 24-hour daily mean values may contain cycles that were a result of the 24-hour averaging and are unrelated to stream hydrology. Tidal effects were removed from unit value discharges using the Godin filter. Daily mean discharge computed from filtered values. Unit values available upon request.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s, Oct. 7, 2005, maximum gage height, 26.32 ft, Feb. 28, 2005; minimum discharge, -8,560 ft^3/s, Sep. 28, 2007, minimum gage height, 18.88 ft, Mar. 12, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft^3/s, Oct. 8, Aug. 26, maximum gage height, 26.11 ft, Jun. 3; minimum discharge, -8,560 ft^3/s, Sep. 28, 29, minimum gage height, 18.25 ft, Apr. 16.

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DISCHARGE, TIDALLY FILTERED, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-37	-9.6	-132	116	69	-124	-313	-272	-68	47	---	104
2	-106	-26	-234	26	516	72	-306	-361	-67	55	---	189
3	---	30	-252	19	645	160	-305	-420	591	146	---	375
4	---	49	-158	83	466	17	-179	-389	649	163	---	418
5	---	47	-215	87	244	-119	-222	-294	437	223	---	398
6	---	-84	-242	62	119	-109	-96	-530	226	254	---	287
7	---	60	-126	83	120	3.1	127	-488	142	163	---	252
8	-81	279	-270	244	-0.67	-54	-45	-90	208	138	---	266
9	171	61	-219	262	57	93	-54	340	220	272	---	352
10	107	-111	-263	42	105	199	-80	221	50	430	315	403
11	87	17	-348	15	46	88	-25	8.0	134	240	76	365
12	87	315	-283	39	-104	99	157	-96	173	120	-4.8	256
13	-1.1	79	-262	30	-6.9	102	-99	-218	65	173	227	287
14	89	-132	-315	-5.0	66	-24	-329	-133	81	247	294	367
15	124	-96	-313	-82	---	-105	395	-78	157	196	215	248
16	93	193	-246	-117	---	50	291	-187	272	120	312	314
17	40	165	-213	-219	---	65	-287	-162	286	160	485	432
18	-5.9	71	-232	-6.7	---	-87	-380	-66	178	265	374	299
19	-133	---	-278	107	80	21	-217	-46	269	206	405	147
20	15	---	-99	-16	-59	-99	15	-12	314	113	522	254
21	13	---	6.7	54	-128	-289	68	-104	216	171	517	414
22	233	---	-162	192	44	-192	-8.7	-78	392	358	476	398
23	---	---	65	208	-53	-101	8.6	44	342	379	475	235
24	---	---	83	199	-116	-163	41	109	249	346	468	130
25	---	---	312	260	-78	-154	-12	153	208	389	353	125
26	---	---	681	179	47	-63	-122	43	203	397	323	52
27	53	---	287	144	-112	-56	-193	-61	210	432	405	170
28	325	---	135	183	-85	-171	-101	-59	169	222	183	212
29	237	21	96	86	---	-331	-140	80	123	103	227	172
30	95	-92	-31	106	---	-235	-191	4.3	119	120	152	145
31	-39	---	-40	-45	---	-281	---	-13	---	---	145	---
Mean	---	---	-105	75.3	---	-57.7	-86.7	-102	218	---	---	269
Max	---	---	681	262	---	199	395	340	649	---	---	432
Min	---	---	-348	-219	---	-331	-380	-530	-68	---	---	52