

SANTEE RIVER BASIN

02169570 GILLS CREEK AT COLUMBIA, SC

LOCATION.--Lat 33°59'22'', long 80°58'28'', Richland County, Hydrologic Unit 03050110, at left bank, downstream side of bridge on U.S. Highways 378 and 76 (Devine Street) at Columbia, 0.75 mi downstream from Lake Katherine, and at mile 7.7.

DRAINAGE AREA.--59.6 mi².

PERIOD OF RECORD.--Water years 1965-66 (annual maximum), October 1966 to current year.

GAGE.--Data collection platform. Datum of gage is 137.38 ft above NGVD of 1929. Apr. 1, 1964 to Aug. 6, 1966, crest-stage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some possible interruption of natural flow by private lakes upstream.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	35	49	41	47	138	101	43	49	64	172	13
2	81	15	45	41	47	166	94	36	89	64	87	13
3	53	24	41	42	80	124	73	31	160	192	55	11
4	47	29	38	37	81	76	60	27	149	109	38	9.9
5	42	22	35	33	80	49	49	26	95	50	27	9.3
6	36	15	39	31	75	35	39	23	66	34	21	8.5
7	32	9.3	40	31	75	27	42	20	55	29	17	7.9
8	31	7.4	40	30	78	58	130	19	56	20	22	7.3
9	29	6.3	39	28	95	63	513	18	88	16	32	7.1
10	28	5.5	58	27	81	66	306	18	151	13	156	6.9
11	28	5.0	56	30	72	59	190	23	129	12	157	5.8
12	26	12	49	32	62	49	130	20	69	10	110	5.4
13	25	15	43	34	52	27	189	18	57	23	76	5.0
14	22	9.6	38	e156	49	3.2	140	16	45	70	62	4.8
15	33	17	34	e186	49	3.4	96	14	37	120	45	4.7
16	47	32	33	e106	47	25	69	13	33	82	43	4.7
17	47	32	33	e95	53	14	55	15	26	55	39	5.3
18	50	30	32	e89	68	22	47	22	19	45	53	5.5
19	77	30	30	e70	69	55	40	39	15	72	45	5.6
20	72	31	28	59	59	50	36	152	13	126	34	5.3
21	78	32	28	48	66	42	33	155	11	51	26	9.2
22	73	32	30	63	69	54	47	85	10	30	26	22
23	53	134	43	53	54	86	91	56	9.9	24	29	15
24	40	106	44	39	94	67	59	36	9.5	18	25	8.5
25	28	96	41	35	90	50	42	23	9.5	14	18	6.7
26	11	65	88	45	93	36	34	18	13	12	14	6.5
27	7.9	60	79	14	94	146	31	15	18	9.1	16	6.5
28	12	89	67	4.1	137	282	28	13	117	9.2	13	6.2
29	39	65	64	22	---	185	26	12	103	9.0	12	6.5
30	41	54	52	51	---	119	39	26	62	205	11	5.8
31	41	---	48	48	---	96	---	26	---	445	13	---
TOTAL	1323.9	1115.1	1384	1620.1	2016	2272.6	2829	1058	1763.9	2032.3	1494	238.9
MEAN	42.7	37.2	44.6	52.3	72.0	73.3	94.3	34.1	58.8	65.6	48.2	7.96
MAX	94	134	88	186	137	282	513	155	160	445	172	22
MIN	7.9	5.0	28	4.1	47	3.2	26	12	9.5	9.0	11	4.7
CFSM	0.72	0.62	0.75	0.88	1.21	1.23	1.58	0.57	0.99	1.10	0.81	0.13
IN.	0.83	0.70	0.86	1.01	1.26	1.42	1.77	0.66	1.10	1.27	0.93	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	51.2	58.1	74.7	113	105	108	76.8	53.9	59.8	64.6	62.5	56.1
MAX	241	142	200	312	228	244	192	182	196	174	261	176
(WY)	1991	1987	1977	1993	1979	1971	1983	1991	1995	1975	1986	2004
MIN	7.08	11.0	17.8	38.1	37.6	22.7	12.9	6.06	13.0	10.7	3.89	7.96
(WY)	2002	2002	2002	2003	1986	1985	1986	1986	1986	2002	1983	2005

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005	
ANNUAL TOTAL	19221.4		19147.8		73.5	
ANNUAL MEAN	52.5		52.5		130	
HIGHEST ANNUAL MEAN					29.9	
LOWEST ANNUAL MEAN					1730	
HIGHEST DAILY MEAN	990	Sep 7	513	Apr 9	1730	Aug 20 1986
LOWEST DAILY MEAN	3.9	Mar 9	3.2	Mar 14	1.6	Aug 1 1983
ANNUAL SEVEN-DAY MINIMUM	6.5	Mar 8	5.1	Sep 12	1.9	Jul 30 1983
MAXIMUM PEAK FLOW			702		2880	Feb 24 1979
MAXIMUM PEAK STAGE			5.76		9.43	Jul 24 1997
ANNUAL RUNOFF (CFSM)	0.881		0.880		1.23	
ANNUAL RUNOFF (INCHES)	12.00		11.95		16.76	
10 PERCENT EXCEEDS	94		106		150	
50 PERCENT EXCEEDS	31		39		46	
90 PERCENT EXCEEDS	10		9.4		14	

e Estimated

