

## PEE DEE RIVER BASIN

02136000 BLACK RIVER AT KINGSTREE, SC

LOCATION.--Lat 33°39'40'', long 79°50'10'', Williamsburg County, Hydrologic Unit 03040205, on left bank, at upstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mi downstream from Kingstree Swamp Canal, and at mile 86.7.

DRAINAGE AREA.--1,252 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1929 to current year. Gage-height records collected at same site since 1894 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1032: 1928(m), drainage area WSP 1333: 1930(m), 1931, 1936.

GAGE.--Data collection platform. Datum of gage is 25.66 ft above NGVD of 1929. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	501	1000	1950	528	1990	2620	1630	1770	884	1860	606
2	113	509	916	1980	542	2320	2420	1530	1660	860	2040	548
3	117	567	832	2080	555	2690	2260	1430	1470	1530	2290	510
4	112	606	759	2090	574	2920	2140	1340	1330	4040	2580	516
5	99	586	726	2020	594	2990	2060	1250	1170	6230	2470	561
6	84	575	718	1920	606	3090	1970	1150	1040	5790	2200	590
7	71	551	707	1810	639	3190	2090	1110	943	4560	2190	631
8	71	536	689	1700	673	3320	2750	1200	892	3460	2320	719
9	69	532	662	1580	704	3340	3670	1250	876	2630	2310	841
10	67	511	645	1460	739	3300	4840	1180	897	2090	2260	929
11	214	495	655	1350	778	3230	6550	1110	951	1730	2210	959
12	540	563	687	1230	820	3080	8130	1040	1030	1490	2130	934
13	1050	776	767	1130	861	2870	8580	979	1140	1290	e2200	875
14	4830	972	882	1050	884	2670	8140	919	1160	1150	e2030	786
15	5640	1140	1040	972	908	2510	7440	883	1120	1070	e1980	687
16	4300	1380	1150	898	950	2440	6370	854	1130	1000	e2120	609
17	3180	1730	1190	832	1010	2450	5210	916	1200	942	e2520	548
18	2500	1960	1230	771	1060	2540	4360	981	1370	903	e2290	489
19	2140	2080	1290	718	1130	2750	3680	1000	2110	927	2420	435
20	1880	2110	1340	676	1200	3260	3130	975	3110	996	2800	385
21	1630	2140	1340	640	1310	4040	2710	911	4370	1030	e2870	343
22	1410	2180	1370	619	1490	5330	2530	842	4720	1080	e2390	307
23	1200	2120	1380	601	1610	6580	2300	855	4320	1130	2090	290
24	1030	1980	1390	582	1680	7150	2100	913	3730	1120	1780	276
25	891	1800	1480	563	1730	7200	1970	993	3050	1070	1560	266
26	762	1630	1660	548	1740	6590	1930	1030	2450	1020	1400	257
27	643	1460	1790	535	1800	5520	1920	1100	1990	963	1260	247
28	557	1320	1820	523	1880	4590	1880	1260	1620	936	1120	240
29	511	1180	1880	512	---	3880	1790	1430	1300	944	986	228
30	520	1090	1950	506	---	3340	1710	1530	1060	1130	844	212
31	514	---	1940	511	---	2940	---	1700	---	1550	708	---
TOTAL	36847	35580	35885	34357	28995	114110	109250	35291	54979	55545	62228	15824
MEAN	1189	1186	1158	1108	1036	3681	3642	1138	1833	1792	2007	527
MAX	5640	2180	1950	2090	1880	7200	8580	1700	4720	6230	2870	959
MIN	67	495	645	506	528	1990	1710	842	876	860	708	212
CFSM	0.95	0.95	0.92	0.89	0.83	2.94	2.91	0.91	1.46	1.43	1.60	0.42
IN.	1.09	1.06	1.07	1.02	0.86	3.39	3.25	1.05	1.63	1.65	1.85	0.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	513	468	913	1450	1917	2108	1519	581	549	497	549	578	7708	3250	5471	6499	8404	6938	5905	2144	7852	3318	3148	7258	1965	1948	1995	1993	1973	1983	1936	1984	1973	1941	1991	1945	8.65	5.00	39.3	124	218	287	220	38.6	11.3	6.33	5.19	4.83	1932	1932	1955	1934	2002	2002	1985	2001	1935	2002	1954	1954														

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	143857.1		618891		965	
ANNUAL MEAN	394		1696		2438	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					105	
HIGHEST DAILY MEAN	5640	Oct 15	8580	Apr 13	52800	Jun 14 1973
LOWEST DAILY MEAN	2.3	Aug 13	67	Oct 10	2.0	Sep 12 1954
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 8	82	Oct 4	2.6	Sep 8 1954
MAXIMUM PEAK FLOW			8670		58000	
MAXIMUM PEAK STAGE			13.17		19.77	
INSTANTANEOUS LOW FLOW			65		2.0 a	
ANNUAL RUNOFF (CFSM)	0.31		1.35		0.77	
ANNUAL RUNOFF (INCHES)	4.27		18.39		10.47	
10 PERCENT EXCEEDS	1210		3280		2360	
50 PERCENT EXCEEDS	169		1200		465	
90 PERCENT EXCEEDS	5.7		522		48	

a Also occurred Sep. 13-15, Oct. 7, 8, 1954.

e Estimated

