

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 mi².

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	606	297	486	973	2680	489	216	69	323	263	e6210
2	176	680	293	460	983	2990	479	219	65	311	307	5790
3	160	734	291	439	985	3020	462	304	62	334	315	4760
4	145	738	302	420	947	2910	443	480	64	369	287	3830
5	132	695	339	402	904	2780	425	624	73	415	252	e3100
6	123	638	385	387	870	2620	402	686	73	449	222	2510
7	114	582	413	375	846	2450	380	675	96	457	186	2190
8	108	533	419	365	814	2230	363	618	129	497	166	2150
9	102	499	414	355	793	2030	348	523	201	478	156	2420
10	97	475	421	349	775	1860	334	428	290	411	159	3670
11	97	462	466	346	758	1690	320	369	331	410	157	4990
12	101	444	515	345	819	1560	336	370	342	528	152	4880
13	108	420	544	347	940	1420	385	446	302	524	160	4340
14	113	392	571	355	1140	1300	469	480	248	725	196	4040
15	114	364	624	358	1560	1190	525	479	230	841	229	3720
16	110	337	709	356	2050	1110	550	450	232	816	241	3460
17	107	312	777	353	2600	1050	560	429	239	644	239	3270
18	106	292	809	347	3150	999	548	394	247	466	238	2880
19	106	283	840	339	3510	948	513	327	251	346	242	e2550
20	106	293	866	328	3570	893	468	263	246	324	249	2190
21	104	303	859	315	3410	840	423	215	214	350	258	1930
22	104	306	832	306	3120	785	379	178	166	335	267	e1710
23	103	311	800	298	2820	732	342	150	129	297	279	1510
24	99	316	761	291	2550	682	313	135	107	265	299	1340
25	94	315	717	283	2290	639	290	121	94	239	323	1200
26	91	313	672	323	2140	606	273	111	83	211	339	1080
27	88	312	629	466	2110	576	269	104	85	173	339	1030
28	98	304	594	643	2190	548	260	94	133	138	323	e1030
29	210	299	565	814	2350	523	253	88	281	123	694	1040
30	e303	299	540	906	---	501	234	78	353	149	3020	1080
31	e522	---	513	944	---	491	---	73	---	196	5040	---
TOTAL	4235	12857	17777	13101	51967	44653	11835	10127	5435	12144	15597	85900
MEAN	137	429	573	423	1792	1440	394	327	181	392	503	2863
MAX	522	738	866	944	3570	3020	560	686	353	841	5040	6210
MIN	88	283	291	283	758	491	234	73	62	123	152	1030
CFSM	0.11	0.34	0.46	0.34	1.43	1.15	0.32	0.26	0.14	0.31	0.40	2.29
IN.	0.13	0.38	0.53	0.39	1.54	1.33	0.35	0.30	0.16	0.36	0.46	2.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
MEAN	508	467	909	1436	1916	2099	1504	578	544	496	549	609
MAX	7708	3250	5471	6499	8404	6938	5905	2144	7852	3318	3148	7258
(WY)	1965	1948	1995	1993	1973	1983	1936	1984	1973	1941	1991	1945
MIN	8.65	5.00	39.3	124	218	287	220	38.6	11.3	6.33	5.19	4.83
(WY)	1932	1932	1955	1934	2002	2002	1985	2001	1935	2002	1954	1954

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	545448		285628		963	
ANNUAL MEAN	1494		780		2438	
HIGHEST ANNUAL MEAN					105	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	8580	Apr 13	6210	Sep 1	52800	Jun 14 1973
LOWEST DAILY MEAN	88	Oct 27	62	Jun 3	2.0	Sep 12 1954
ANNUAL SEVEN-DAY MINIMUM	97	Oct 22	68	May 31	2.6	Sep 8 1954
MAXIMUM PEAK FLOW			6370	Sep 1	58000	Jun 14 1973
MAXIMUM PEAK STAGE			12.33	Sep 1	19.77	Jun 14 1973
INSTANTANEOUS LOW FLOW			58	Jun 4	2.0 a	Sep 12 1954
ANNUAL RUNOFF (CFSM)	1.19		0.623		0.769	
ANNUAL RUNOFF (INCHES)	16.21		8.49		10.45	
10 PERCENT EXCEEDS	3150		2250		2350	
50 PERCENT EXCEEDS	993		393		462	
90 PERCENT EXCEEDS	280		112		48	

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

e Estimated

