

PEE DEE RIVER BASIN

02131472 HANGING ROCK CREEK NEAR KERSHAW, SC

LOCATION.--Lat 34°30'58'', long 80°34'59'', Lancaster County, Hydrologic Unit 03040202, on right side, on downstream side of bridge on State Road 184, 2.1 mi south of Kershaw, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--23.9 mi².

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Data collection platform. Elevation of gage is 345 ft above sea level (from topographic map).

REVISED RECORDS.--WRD SC-96-1: 1981-96(M).

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	3.4	4.0	3.4	55	13	13	9.1	1.2	2.5	3.6	3.1
2	8.5	4.7	3.8	3.4	47	12	12	8.0	1.2	1.4	4.6	5.7
3	6.5	5.2	3.8	3.6	41	12	13	7.3	1.1	1.1	3.2	41
4	13	3.9	3.8	3.8	40	15	13	6.6	1.0	.85	3.3	47
5	15	3.6	3.7	4.9	37	18	12	5.9	1.2	1.1	2.5	19
6	8.9	3.4	4.3	4.0	32	14	11	5.2	2.2	3.0	1.9	13
7	6.4	3.4	4.2	3.9	28	12	11	4.7	2.0	2.6	1.6	9.4
8	5.0	3.5	3.5	3.8	25	11	12	4.1	1.7	2.4	1.3	7.7
9	4.4	3.9	3.3	4.2	23	11	13	3.7	1.4	1.4	1.1	6.3
10	4.3	4.0	3.7	66	21	11	11	3.3	1.2	.94	1.5	5.1
11	5.1	3.7	4.5	44	20	14	11	3.0	1.0	.81	1.7	4.2
12	4.9	3.7	4.1	23	22	23	10	2.7	.90	3.6	1.2	3.7
13	8.0	4.1	6.3	14	24	15	25	2.6	.84	8.7	.85	3.5
14	7.9	4.7	8.6	9.7	78	12	21	2.4	.83	4.2	.72	2.8
15	5.3	4.7	7.6	8.1	52	11	36	2.1	1.0	2.1	.73	2.3
16	4.7	4.0	5.7	7.4	38	11	26	2.0	.98	1.1	.77	2.2
17	4.9	4.0	4.5	7.0	31	14	18	1.9	.78	.79	.70	1.9
18	5.4	3.6	4.0	7.1	29	12	19	1.9	.75	.66	.74	1.9
19	4.2	3.3	5.8	7.8	27	12	15	1.9	.68	.58	.82	3.0
20	5.0	3.5	6.8	10	23	92	13	1.9	.67	.61	.71	2.6
21	7.9	3.5	6.4	8.7	20	65	11	2.8	.63	.61	.77	2.0
22	6.2	3.8	7.3	7.1	19	41	10	3.2	.87	.72	.80	3.1
23	5.1	3.8	6.1	47	18	31	9.5	2.8	.91	.75	.70	39
24	4.1	3.9	5.2	114	16	26	9.0	2.5	.56	1.0	.57	18
25	3.8	4.0	4.3	141	e17	22	27	2.3	.51	33	4.2	7.3
26	3.9	14	3.7	81	e16	19	27	8.1	.53	9.3	.93	6.5
27	3.8	19	3.7	51	e16	19	18	4.5	.60	4.1	1.2	5.3
28	3.4	9.0	3.7	40	15	19	12	2.7	.67	2.9	.87	3.9
29	3.2	6.2	3.5	34	15	15	10	1.9	11	2.4	.81	2.7
30	3.4	4.8	3.2	50	---	14	9.9	1.6	5.3	1.6	1.0	2.6
31	3.3	---	3.3	63	---	14	---	1.4	---	1.3	3.5	---
TOTAL	189.5	150.3	146.4	875.9	845	630	458.4	114.1	44.21	98.12	48.89	275.8
MEAN	6.11	5.01	4.72	28.3	29.1	20.3	15.3	3.68	1.47	3.17	1.58	9.19
MAX	15	19	8.6	141	78	92	36	9.1	11	33	4.6	47
MIN	3.2	3.3	3.2	3.4	15	11	9.0	1.4	.51	.58	.57	1.9
CFSM	.26	.21	.20	1.18	1.22	.85	.64	.15	.06	.13	.07	.38
IN.	.29	.23	.23	1.36	1.32	.98	.71	.18	.07	.15	.08	.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2000, BY WATER YEAR (WY)

MEAN	19.5	20.3	27.6	42.5	46.7	49.8	34.3	19.8	11.9	11.4	15.9	12.2
MAX	114	63.4	86.3	108	107	114	77.0	67.4	29.2	39.6	77.6	44.9
(WY)	1991	1993	1995	1993	1995	1998	1998	1991	1994	1989	1991	1989
MIN	1.70	2.84	4.72	8.75	18.1	13.2	8.30	3.68	.99	.27	.81	1.94
(WY)	1984	1982	2000	1981	1986	1985	1985	2000	1986	1986	1999	1981

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1981 - 2000
ANNUAL TOTAL	5029.48	3876.62	25.9
ANNUAL MEAN	13.8	10.6	46.6
HIGHEST ANNUAL MEAN			1991
LOWEST ANNUAL MEAN			10.2
HIGHEST DAILY MEAN	172	Apr 30	1080
LOWEST DAILY MEAN	.38	a Aug 30	.13
ANNUAL SEVEN-DAY MINIMUM	.43	Aug 29	b Jul 10 1986
INSTANTANEOUS PEAK FLOW			.19 Jul 29 1986
INSTANTANEOUS PEAK STAGE			c 3760 Oct 10 1990
ANNUAL RUNOFF (CFSM)	.58	.44	10.69 Oct 10 1990
ANNUAL RUNOFF (INCHES)	7.83	6.03	1.08
10 PERCENT EXCEEDS	32	26	14.72
50 PERCENT EXCEEDS	6.5	4.4	51
90 PERCENT EXCEEDS	.83	.89	14
			2.6

a Also occurred Sep. 13.

b Also occurred Jul. 20, 21, 1986.

c From rating curve extended above 1,500 ft³/s.

e Estimated

