

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 770, 2.1 mi south of Kershaw, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--23.9 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Elevation of gage is 345 ft above NGVD of 1929 (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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.39	0.65	0.45	0.30	2.4	1.4	47	1.3	0.99	1.2	1.9	1.6
2	0.58	0.67	0.42	0.27	1.8	11	28	1.7	0.79	1.8	1.9	1.0
3	0.55	0.61	0.34	0.72	1.4	31	20	4.5	0.76	1.1	0.39	0.86
4	0.57	0.55	0.39	1.1	1.3	19	14	17	0.85	0.46	0.39	0.78
5	0.53	0.60	0.33	1.0	1.2	12	11	16	0.73	0.37	0.46	0.65
6	0.74	0.84	0.37	6.8	1.6	9.5	9.6	7.9	0.60	0.35	0.39	0.61
7	0.41	0.79	0.37	9.2	38	7.6	8.1	4.6	0.67	0.32	0.41	0.53
8	0.28	1.1	0.31	3.1	36	6.3	8.3	3.0	0.61	0.29	0.64	0.41
9	0.25	0.62	0.26	1.2	21	5.9	8.7	1.8	0.50	1.1	0.35	0.45
10	0.40	0.98	1.0	0.81	14	6.2	11	1.7	0.54	0.73	0.88	0.56
11	0.37	0.97	3.0	e0.67	12	4.7	11	6.3	0.62	0.43	0.23	0.55
12	0.42	0.82	0.25	e0.59	8.7	5.3	11	10	0.51	0.50	0.22	0.63
13	0.45	0.78	0.24	1.9	6.2	9.3	17	6.0	0.58	0.53	1.3	0.61
14	0.55	0.79	0.28	1.3	4.8	9.4	14	3.3	0.58	0.77	0.47	1.2
15	0.63	0.77	0.30	0.70	3.8	6.9	11	1.8	0.81	0.49	0.90	2.0
16	0.60	0.85	0.26	0.55	3.4	5.7	8.4	0.99	0.64	0.59	1.1	4.2
17	0.52	0.75	0.37	0.48	3.1	4.9	6.4	0.64	0.60	0.40	0.89	0.78
18	2.3	0.73	2.0	0.40	2.5	4.6	5.5	4.2	0.62	0.40	1.0	0.82
19	0.35	0.81	1.3	4.8	2.1	4.6	5.0	8.8	0.61	0.88	0.60	12
20	0.37	1.3	0.74	19	2.7	4.2	4.2	4.9	0.51	0.89	1.2	35
21	0.45	0.70	0.46	8.5	3.0	7.3	3.2	2.9	0.53	0.93	0.69	14
22	0.52	0.87	0.44	5.8	2.5	7.6	2.5	2.5	0.56	0.74	0.88	6.8
23	0.49	0.68	0.33	26	1.9	5.4	1.7	0.77	0.87	0.61	1.0	4.0
24	0.51	1.4	0.42	27	1.9	4.5	1.3	0.72	0.84	0.44	0.92	2.4
25	0.71	0.47	0.40	23	1.8	4.0	1.9	0.63	0.81	0.45	2.3	1.7
26	0.74	0.35	0.38	15	1.7	3.9	1.9	0.64	0.74	0.42	7.2	3.2
27	0.76	0.55	0.29	9.6	1.6	4.2	1.5	0.39	0.73	0.35	16	3.4
28	0.68	0.32	0.27	6.5	1.4	3.3	1.3	0.75	0.67	0.74	6.7	2.8
29	0.54	0.43	0.59	4.7	---	3.0	1.1	0.74	0.70	0.36	1.4	2.1
30	0.59	0.47	0.43	3.7	---	7.4	0.76	1.1	0.74	0.27	0.91	1.6
31	0.59	---	0.30	3.8	---	26	---	1.6	---	0.40	2.2	---
TOTAL	17.84	22.22	17.29	188.49	183.8	246.1	276.36	119.17	20.31	19.31	55.82	107.24
MEAN	0.58	0.74	0.56	6.08	6.56	7.94	9.21	3.84	0.68	0.62	1.80	3.57
MAX	2.3	1.4	3.0	27	38	31	47	17	0.99	1.8	16	35
MIN	0.25	0.32	0.24	0.27	1.2	1.4	0.76	0.39	0.50	0.27	0.22	0.41
CFSM	0.02	0.03	0.02	0.25	0.27	0.33	0.39	0.16	0.03	0.03	0.08	0.15
IN.	0.03	0.03	0.03	0.29	0.29	0.38	0.43	0.19	0.03	0.03	0.09	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2002, BY WATER YEAR (WY)

MEAN	17.8	18.7	25.4	39.3	43.2	46.6	32.1	18.3	11.0	10.4	14.5	11.3
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	0.58	0.74	0.56	6.08	6.56	7.94	8.30	2.13	0.68	0.27	0.41	0.84
(WY)	2002	2002	2002	2002	2002	2002	1985	2001	2002	1986	2001	2001

## PEE DEE RIVER BASIN

02131472 HANGING ROCK CREEK NEAR KERSHAW, SC--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1981 - 2002
ANNUAL TOTAL	1837.75	1273.95	24.0
ANNUAL MEAN	5.03	3.49	46.6
HIGHEST ANNUAL MEAN			1991
LOWEST ANNUAL MEAN			3.49
HIGHEST DAILY MEAN	67 Mar 30	47 Apr 1	2002
LOWEST DAILY MEAN	0.21 Sep 13	0.22 Aug 12	0.13 a Jul 10 1986
ANNUAL SEVEN-DAY MINIMUM	0.27 Sep 12	0.34 Dec 3	0.19 Jul 29 1986
MAXIMUM PEAK FLOW		133 Aug 26	b 3760 Oct 10 1990
MAXIMUM PEAK STAGE		3.79 Aug 26	10.69 Oct 10 1990
ANNUAL RUNOFF (CFSM)	0.21	0.15	1.00
ANNUAL RUNOFF (INCHES)	2.86	1.98	13.63
10 PERCENT EXCEEDS	13	9.4	49
50 PERCENT EXCEEDS	1.1	0.89	12
90 PERCENT EXCEEDS	0.33	0.39	1.7

a Also occurred Jul. 20, 21, 1986.

b From rating curve extended above 1,500 ft<sup>3</sup>/s.

e Estimated

