

PEE DEE RIVER BASIN

02136361 TURKEY CREEK NEAR MARYVILLE, SC

LOCATION.--Lat 33°19'42'', long 79°20'18'', Georgetown County, Hydrologic Unit 03040207, approximately 2,500 ft upstream of Pennyroyal Road on a pedestrian bridge, 4 mi southwest of Georgetown, and at mile 2.75.

DRAINAGE AREA.--4.67 mi², approximately.

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 5.0 ft above sea level (from topographic map).

REMARKS.--Records fair 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	4.6	1.0	2.6	10	1.3	1.1	.84	.64	.88	12	e41.0
2	11	4.4	.94	2.4	17	1.2	1.2	.84	.59	.76	11	e33.0
3	10	4.2	.97	2.3	15	1.1	1.2	.78	.59	.75	12	e38.0
4	13	3.4	.88	2.4	13	1.7	1.0	.72	.60	1.2	14	e45.0
5	15	3.0	.91	2.3	11	2.1	.88	.67	.68	1.4	14	e51.0
6	11	2.7	.99	2.2	9.7	1.8	.86	.66	.68	1.3	11	36
7	7.2	2.3	.92	2.9	8.6	1.7	.88	.67	.52	1.4	8.9	25
8	4.7	2.1	.87	3.3	7.5	1.5	.93	.64	.51	.78	7.7	21
9	3.7	1.8	.89	2.9	6.8	1.2	1.5	.62	.52	.78	6.6	17
10	3.9	1.6	.93	3.4	6.2	1.1	5.5	.62	.54	.89	5.6	14
11	8.6	1.5	.87	3.5	5.3	1.1	4.1	.55	.54	1.0	8.0	12
12	7.1	1.4	.87	2.8	4.3	1.1	2.0	.50	.59	1.1	10	11
13	5.5	1.4	.93	2.6	3.4	.92	1.2	.48	.69	2.8	7.8	9.3
14	4.8	1.4	.91	2.1	5.7	.90	1.0	.44	.78	2.0	7.8	8.4
15	5.2	1.3	.84	1.8	6.4	.92	1.8	.44	.65	.86	4.9	7.7
16	6.0	1.2	.79	1.9	5.4	1.0	1.4	.42	.57	.74	3.2	6.9
17	71	1.1	.81	1.7	4.9	1.3	2.9	.46	.56	.57	2.1	6.1
18	99	1.1	.80	1.8	4.2	1.0	7.7	.45	.59	.48	1.4	121
19	58	1.4	13	2.0	3.6	1.0	6.1	.48	.63	.47	1.1	84
20	53	1.2	15	4.0	3.0	4.5	2.9	.48	.65	.38	.73	48
21	58	1.7	11	3.4	2.6	6.1	1.8	.50	.96	.36	.65	54
22	52	1.6	8.9	2.8	2.2	4.6	1.4	.54	.75	.41	.47	70
23	41	1.8	7.7	4.2	2.0	3.3	1.2	.48	.52	.54	.37	115
24	33	1.2	6.6	9.6	1.9	2.6	1.1	.49	.55	1.1	.35	72
25	27	1.1	5.2	21	1.9	2.2	1.0	1.1	.54	5.9	.66	48
26	22	1.4	4.3	16	2.0	1.9	.88	1.7	.55	4.7	1.2	40
27	18	1.5	3.6	12	1.8	1.9	.83	.86	.52	3.0	4.6	33
28	14	1.4	3.4	9.9	1.7	1.9	.88	.87	.52	2.0	e21.0	27
29	11	1.3	3.0	9.0	1.5	1.6	.84	.81	1.0	5.2	e34.0	23
30	9.1	1.1	2.9	9.2	---	1.4	.88	.70	2.9	15	e44.0	21
31	7.4	---	2.7	9.5	---	1.3	---	.67	---	16	e55.0	---
TOTAL	704.2	57.2	103.42	157.5	168.6	57.24	56.96	20.48	20.93	74.75	312.13	1138.4
MEAN	22.7	1.91	3.34	5.08	5.81	1.85	1.90	.66	.70	2.41	10.1	37.9
MAX	99	4.6	15	21	17	6.1	7.7	1.7	2.9	16	55	121
MIN	3.7	1.1	.79	1.7	1.5	.90	.83	.42	.51	.36	.35	6.1
CFSM	4.86	.41	.71	1.09	1.24	.40	.41	.14	.15	.52	2.16	8.13
IN.	5.61	.46	.82	1.25	1.34	.46	.45	.16	.17	.60	2.49	9.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000
MEAN	7.75	3.26	4.85	8.19	9.39	5.33	2.82
MAX	22.7	7.52	14.1	30.8	37.3	12.5	5.25
(WY)	2000	1998	1995	1998	1998	1999	1999
MIN	.80	.56	.95	2.71	2.36	1.85	.84
(WY)	1999	1999	1999	1996	1996	2000	1995

SUMMARY STATISTICS	02136361 TURKEY CREEK NEAR MARYVILLE, SC--Continued		WATER YEARS 1994 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	2231.27	2871.81		
ANNUAL MEAN	6.11	7.85	8.71	
HIGHEST ANNUAL MEAN			27.8	1995
LOWEST ANNUAL MEAN			2.78	1994
HIGHEST DAILY MEAN	99	121	1350	Aug 27 1995
LOWEST DAILY MEAN	.34	.35	.03	Aug 29 1997
ANNUAL SEVEN-DAY MINIMUM	.39	.45	.06	May 23 1994
INSTANTANEOUS PEAK FLOW		330	a 1500	Aug 27 1995
INSTANTANEOUS PEAK STAGE		4.13	b 4.56	Aug 27 1995
ANNUAL RUNOFF (CFSM)	1.31	1.68	1.86	
ANNUAL RUNOFF (INCHES)	17.77	22.88	25.34	
10 PERCENT EXCEEDS	16	19	15	
50 PERCENT EXCEEDS	1.3	1.9	1.8	
90 PERCENT EXCEEDS	.47	.57	.24	

a From rating curve extended above 59.5 ft³/s on basis of slope-area computation of peak discharge.

b From floodmarks.

e Estimated

