

## PEE DEE RIVER BASIN

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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 mi<sup>2</sup>, 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 poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	.81	.60	.89	3.2	1.2	12	34	.47	.54	1.8	.55
2	.76	.76	.57	.91	8.7	1.7	19	22	.48	.48	1.2	.48
3	.51	.72	.61	2.4	8.1	9.0	15	13	.53	.52	1.1	.46
4	.71	.64	.57	1.9	7.8	15	13	12	.45	.45	.96	.48
5	.80	.61	.57	1.5	7.0	12	10	12	.42	.47	.83	.48
6	1.5	.59	.61	1.2	6.1	9.9	8.3	17	.41	.88	.81	.47
7	1.5	.44	.62	1.1	5.3	8.1	7.0	15	.42	.86	.73	.47
8	.88	.37	.62	.98	4.4	6.7	6.2	11	.42	.66	.66	.44
9	1.0	.38	.59	1.2	3.8	5.7	5.1	9.1	.41	.59	.69	.45
10	.77	.39	.55	1.2	3.4	5.1	3.9	7.2	.39	.49	.64	.44
11	.62	.46	.53	1.0	3.1	4.2	2.3	5.0	.40	.52	.60	.41
12	.54	.47	.52	.95	3.0	3.3	1.4	3.7	.42	1.9	.53	.38
13	.48	.45	.70	.84	2.8	2.0	.87	3.6	.34	7.9	.63	.38
14	.45	.43	.71	.86	2.2	1.2	.73	3.2	.38	11	.56	4.2
15	.41	.46	1.5	1.4	1.7	.87	.74	2.2	.66	27	.57	26
16	.78	.48	1.8	1.2	1.6	.73	.79	1.5	.97	27	.61	89
17	.58	.49	.87	1.1	1.5	.74	.69	1.1	.87	23	.56	44
18	.42	.47	.72	1.3	1.8	.79	.53	.90	.59	20	.50	20
19	.39	.71	.77	1.1	1.7	.69	.49	.87	.43	18	.51	14
20	1.1	.73	.75	.94	1.6	.53	.57	.81	.65	18	.52	18
21	1.3	.68	.76	.84	1.4	.49	.59	.76	.57	15	.49	49
22	1.3	.61	.75	.80	1.3	.57	.53	.74	.49	13	.48	40
23	1.3	.60	.69	1.1	1.2	.59	.54	.72	.46	11	.47	31
24	.53	.60	.74	20	1.2	.53	.49	.73	.43	9.7	.47	26
25	.37	.60	1.0	13	1.1	.54	.52	.67	.39	8.4	.54	21
26	.33	.60	2.9	7.7	1.1	.49	.54	.56	.39	7.3	.55	17
27	.74	.59	2.1	5.3	1.0	.52	.93	.52	.40	6.1	.54	15
28	.77	.55	2.2	4.4	1.0	.54	12	.47	.43	5.0	.53	16
29	.71	.54	1.4	3.6	--	.93	9.7	.46	.45	4.1	.81	17
30	.87	.55	1.1	3.0	--	3.2	23	.46	.54	3.3	1.1	16
31	.86	--	1.0	2.6	--	3.9	--	.46	--	2.6	.61	--
TOTAL	24.68	16.78	29.42	86.31	88.1	101.75	157.45	181.73	14.66	245.76	21.60	469.09
MEAN	.80	.56	.95	2.78	3.15	3.28	5.25	5.86	.49	7.93	.70	15.6
MAX	1.5	.81	2.9	20	8.7	15	23	34	.97	27	1.8	89
MIN	.33	.37	.52	.80	1.0	.49	.49	.46	.34	.45	.47	.38
CFSM	.17	.12	.20	.60	.67	.70	1.12	1.26	.10	1.70	.15	3.35
IN.	.20	.13	.23	.69	.70	.81	1.25	1.45	.12	1.96	.17	3.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1999, BY WATER YEAR (WY)

MEAN	5.25	3.49	5.10	8.71	10.0	5.91	2.98	1.92	4.27	4.32	33.3	21.0
MAX	9.96	7.52	14.1	30.8	37.3	12.5	5.25	5.86	15.9	7.93	187	86.6
(WY)	1997	1998	1995	1998	1998	1999	1999	1999	1997	1999	1995	1995
MIN	.80	.56	.95	2.71	2.36	3.20	.84	.14	.23	.36	.52	.72
(WY)	1999	1999	1999	1996	1996	1997	1995	1994	1998	1998	1998	1998

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SUMMARY STATISTICS	02136361 TURKEY CREEK NEAR MARYVILLE, SC--Continued FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1994 - 1999
ANNUAL TOTAL	2691.12	1437.33	
ANNUAL MEAN	7.37	3.94	8.85
HIGHEST ANNUAL MEAN			27.8
LOWEST ANNUAL MEAN			2.78
HIGHEST DAILY MEAN	111	Feb 17	1995
LOWEST DAILY MEAN	.15 ***	Jun 18	1994
ANNUAL SEVEN-DAY MINIMUM	.16	Jun 22	.06
INSTANTANEOUS PEAK FLOW		121 Sep 16	* 1500 Aug 27 1995
INSTANTANEOUS PEAK STAGE		3.29 Sep 16	** 4.56 Aug 27 1995
ANNUAL RUNOFF (CFSM)	1.58	.84	1.90
ANNUAL RUNOFF (INCHES)	21.44	11.45	25.76
10 PERCENT EXCEEDS	26	12	14
50 PERCENT EXCEEDS	.68	.81	1.7
90 PERCENT EXCEEDS	.26	.45	.19

\* From rating curve extended above  $59.5 \text{ ft}^3/2$  on basis of slope-area computation of peak discharge.

\*\* From floodmarks.

\*\*\* Also occurred Jun. 24.

