

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 NGVD of 1929 (from topographic map).

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	1.9	1.5	9.0	0.81	7.9	e9.2	e2.7	4.0	10	6.7	2.8
2	3.7	1.6	1.4	8.4	0.81	19	e6.7	e1.3	1.6	9.9	5.8	2.4
3	3.2	1.5	1.3	7.6	0.76	16	e4.5	e1.3	1.1	9.2	5.7	2.2
4	2.7	1.4	1.2	6.4	0.69	12	e2.8	e1.2	2.5	7.5	5.8	2.2
5	1.9	1.4	1.4	5.6	e0.60	9.2	e1.9	e1.2	2.9	7.2	5.3	2.1
6	1.7	3.1	1.5	4.8	e1.0	7.9	e0.94	e22	1.7	8.0	6.0	4.5
7	1.5	3.3	1.2	3.8	e1.2	12	e0.16	e28	3.6	7.0	5.9	7.1
8	1.5	2.9	1.2	3.5	1.1	13	e15	e24	9.0	6.3	5.5	7.9
9	1.3	2.5	1.1	3.1	1.0	10	e25	e27	24	5.2	5.4	7.7
10	1.3	2.4	3.6	2.8	1.4	9.6	e19	e22	15	4.5	5.0	6.6
11	11	2.6	6.6	2.6	1.5	17	e14	e18	9.7	4.1	4.3	5.6
12	19	9.8	5.9	2.3	1.4	26	e12	e12	6.5	3.4	3.6	4.4
13	14	19	14	2.1	1.1	24	e8.6	e8.0	4.9	3.0	3.1	3.8
14	13	15	18	1.8	1.0	19	e4.8	e5.0	3.7	2.7	2.6	3.2
15	23	11	13	e1.5	1.1	18	e1.2	e3.0	2.7	2.5	7.4	2.8
16	25	9.3	10	e1.3	1.1	20	e0.24	e2.0	3.9	2.2	12	2.3
17	18	15	8.3	1.3	1.3	18	e0.24	e2.0	11	2.1	10	1.8
18	13	16	6.6	1.2	1.3	18	e0.24	e3.0	14	2.9	11	1.5
19	11	11	6.6	1.3	1.3	8.3	e1.5	e12	23	9.3	18	1.3
20	8.7	8.3	9.1	1.2	1.1	92	e3.0	e7.0	54	15	15	1.2
21	7.7	6.8	7.9	1.3	1.1	91	e5.0	e5.0	47	11	14	1.0
22	7.1	5.8	6.4	1.4	1.3	51	e7.0	e2.5	26	9.0	14	0.74
23	6.1	4.4	5.3	1.3	1.8	37	e9.3	26	18	8.5	12	0.99
24	5.1	3.7	9.4	1.2	1.5	e30	e7.0	21	12	49	10	0.93
25	4.3	3.2	17	1.1	1.4	e20	e21	19	8.9	73	8.9	0.85
26	3.3	2.7	12	1.1	1.2	e15	e22	19	6.7	75	7.6	0.70
27	2.3	2.5	9.8	1.0	1.9	e10	e16	15	17	32	6.4	0.66
28	2.4	2.0	8.2	1.0	3.7	e6.4	e11	13	22	20	5.3	0.61
29	2.2	1.9	6.7	0.98	---	e4.4	e8.5	11	17	13	4.7	0.55
30	2.3	1.7	5.6	0.95	---	e3.7	e5.4	8.5	13	9.8	4.1	0.47
31	2.1	---	5.1	0.80	---	e3.0	---	6.0	---	8.0	3.3	---
TOTAL	223.7	173.7	206.9	83.73	35.47	648.4	243.22	348.7	386.4	430.3	234.4	80.90
MEAN	7.22	5.79	6.67	2.70	1.27	20.9	8.11	11.2	12.9	13.9	7.56	2.70
MAX	25	19	18	9.0	3.7	92	25	28	54	75	18	7.9
MIN	1.3	1.4	1.1	0.80	0.60	3.0	0.16	1.2	1.1	2.1	2.6	0.47
CFSM	1.55	1.24	1.43	0.58	0.27	4.48	1.74	2.41	2.76	2.97	1.62	0.58
IN.	1.78	1.38	1.65	0.67	0.28	5.16	1.94	2.78	3.08	3.43	1.87	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003		
MEAN	6.62	3.02	4.40	6.19	6.86	7.49	3.35	2.48	4.14	4.90	22.2	17.6
MAX	22.7	7.52	14.1	30.8	37.3	20.9	8.11	11.2	15.9	13.9	187	86.6
(WY)	2000	1998	1995	1998	1998	2003	2003	2003	1997	2003	1995	1995
MIN	0.44	0.33	0.36	0.28	0.45	0.46	0.56	0.14	0.23	0.36	0.52	0.36
(WY)	2002	2002	2002	2002	2002	2002	2002	1994	1998	1998	1998	2001

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	1332.35		3095.82			
ANNUAL MEAN	3.65		8.48		7.45	
HIGHEST ANNUAL MEAN					27.8	1995
LOWEST ANNUAL MEAN					2.09	2002
HIGHEST DAILY MEAN	44	Sep 1	92	Mar 20	e 1350	Aug 27 1995
LOWEST DAILY MEAN	0.16	Jan 24	e 0.16	Apr 7	0.03	Aug 29 1997
ANNUAL SEVEN-DAY MINIMUM	0.18	Jan 28	0.68	Sep 24	0.06	May 23 1994
MAXIMUM PEAK FLOW			206	Mar 20	a 1500	Aug 27 1995
MAXIMUM PEAK STAGE			4.15	Mar 20	b 4.56	Aug 27 1995
ANNUAL RUNOFF (CFSM)	0.78		1.82		1.60	
ANNUAL RUNOFF (INCHES)	10.61		24.66		21.68	
10 PERCENT EXCEEDS	11		19		14	
50 PERCENT EXCEEDS	0.78		5.1		1.5	
90 PERCENT EXCEEDS	0.35		1.1		0.31	

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

b From floodmarks.

e Estimated

