

PEE DEE RIVER BASIN

0212414900 MALLARD CREEK BELOW STONY CREEK NEAR HARRISBURG, NC

LOCATION.--Lat 35°19'57", long 80°42'58", Mecklenburg County, Hydrologic Unit 03040105, on left bank on upstream side of bridge at Pavillion Blvd, 0.1 mi downstream of Stony Creek, and 3.8 mi northwest of Harrisburg.

DRAINAGE AREA.--34.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 568.40 ft above sea level, North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except discharges below 1 ft³/s and those for estimated daily discharges, which are poor. Maximum discharge for period of record from contracted opening measurement of peak flow; maximum gage height for period of record from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.2	6.8	e5.8	7.7	15	49	6.1	30	5.4	2.0	.67
2	2.7	2.6	6.9	e5.7	6.9	12	31	5.9	16	5.6	1.8	.86
3	2.7	2.7	6.6	e5.6	6.7	26	35	5.3	6.6	8.6	1.8	85
4	2.5	2.5	6.1	e5.5	6.5	190	27	5.4	4.9	92	1.7	202
5	2.6	3.2	6.4	e5.3	6.5	48	22	5.1	4.4	50	e1.8	14
6	2.6	2.6	6.1	e5.3	6.0	24	19	4.9	3.6	7.6	1.8	4.7
7	2.4	2.3	6.2	e5.2	6.8	18	18	4.7	e10	5.0	1.8	3.0
8	2.2	2.2	6.1	19	6.2	14	16	4.6	e8.0	5.7	e1.5	2.5
9	2.4	21	6.4	10	6.6	13	15	4.8	6.2	5.2	e1.2	4.8
10	2.5	25	5.9	6.7	11	12	14	5.2	4.6	4.2	1.1	3.1
11	3.0	6.9	5.8	6.5	6.9	11	13	4.8	3.9	3.7	7.6	2.1
12	3.1	5.8	5.0	14	12	16	13	4.7	4.0	3.7	6.0	2.2
13	3.6	5.1	5.5	15	13	23	36	4.2	83	3.9	e1.2	2.2
14	2.8	34	12	7.9	19	12	16	4.0	40	3.3	e1.0	2.1
15	2.6	10	8.1	7.0	9.5	125	14	3.4	17	2.9	e2.0	2.3
16	2.5	6.2	20	6.5	8.3	47	12	3.8	8.9	2.6	e1.4	2.4
17	2.6	23	64	5.8	164	24	9.7	3.8	5.7	2.2	1.1	2.5
18	2.4	9.1	13	8.9	28	16	9.5	3.9	4.9	2.1	4.0	2.0
19	3.1	34	12	67	17	14	9.1	3.6	4.9	6.2	3.1	1.6
20	2.5	29	12	73	13	131	11	3.6	3.4	2.7	1.1	21
21	2.8	13	e7.9	31	12	463	9.1	14	3.2	2.3	.78	3.5
22	3.3	7.6	e7.9	15	53	63	8.6	25	89	2.1	.86	2.0
23	2.3	6.4	e6.9	12	22	33	7.9	15	26	2.1	.52	1.8
24	2.5	5.8	e6.4	10	15	24	8.4	9.8	9.2	9.1	1.3	239
25	2.7	88	e6.3	8.9	74	19	54	14	38	13	1.3	19
26	2.8	30	e6.3	8.6	33	17	13	39	15	17	.88	4.6
27	2.7	12	e6.2	8.1	18	14	9.2	7.7	11	3.6	.88	2.7
28	3.2	8.9	e6.2	7.8	14	12	7.8	41	53	2.7	.54	2.4
29	2.8	7.1	e5.9	7.4	---	617	6.8	24	15	2.7	.70	2.9
30	3.1	6.8	e5.9	15	---	344	6.5	9.0	6.6	2.5	.53	2.2
31	3.0	---	e5.8	9.0	---	61	---	5.7	---	2.1	.68	---
TOTAL	85.2	415.0	292.6	418.5	602.6	2458	520.6	296.0	536.0	281.8	53.97	641.13
MEAN	2.75	13.8	9.44	13.5	21.5	79.3	17.4	9.55	17.9	9.09	1.74	21.4
MAX	3.6	88	64	73	164	617	54	41	89	92	7.6	239
MIN	2.2	2.2	5.0	5.2	6.0	11	6.5	3.4	3.2	2.1	.52	.67
CFSM	.08	.40	.27	.39	.62	2.29	.50	.28	.52	.26	.05	.62
IN.	.09	.45	.31	.45	.65	2.64	.56	.32	.58	.30	.06	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001
MEAN	28.5	33.4	26.9	62.0	58.9	55.1	44.5
MAX	53.7	90.4	64.3	147	95.0	79.3	77.0
(WY)	1996	1996	1998	1998	1997	2001	1997
MIN	2.75	8.94	9.44	13.5	21.5	15.5	11.2
(WY)	2001	1999	2001	2001	2001	1999	1995

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1995 - 2001

ANNUAL TOTAL	10742.3	6601.40	
ANNUAL MEAN	29.4	18.1	35.1
HIGHEST ANNUAL MEAN			51.1
LOWEST ANNUAL MEAN			18.1
HIGHEST DAILY MEAN	754	Sep 23	617
LOWEST DAILY MEAN	1.0	Jul 4	.52
ANNUAL SEVEN-DAY MINIMUM	2.5	Oct 4	.69
MAXIMUM PEAK FLOW			2000
MAXIMUM PEAK STAGE			13.04
INSTANTANEOUS LOW FLOW			.15
ANNUAL RUNOFF (CFSM)	.85		.52
ANNUAL RUNOFF (INCHES)	11.55		7.10
10 PERCENT EXCEEDS	59		33
50 PERCENT EXCEEDS	9.4		6.4
90 PERCENT EXCEEDS	2.7		2.1

e Estimated.
* See REMARKS.

0212414900 MALLARD CREEK BELOW STONY CREEK NEAR HARRISBURG, NC--Continued

