

PEE DEE RIVER BASIN

0212414900 MALLARD CREEK BELOW STONY CREEK NEAR HARRISBURG, NC

LOCATION.--Lat 35°19'58", long 80°42'57", North American Datum of 1983, 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, 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. No flow occurred for part of each day Aug. 8, 9, 10, 12, 13, 14, 2002.

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	1.7	4.0	2.4	e2.8	9.6	4.3	108	3.9	8.3	4.3	1.00	31
2	1.7	14	2.0	e3.0	7.2	161	30	4.4	13	3.5	0.58	6.8
3	1.8	2.9	e2.0	5.0	6.6	142	19	5.1	4.5	140	1.4	3.6
4	1.6	1.8	e2.1	6.9	6.9	37	14	32	3.8	30	1.2	2.8
5	1.9	2.1	1.9	4.8	6.4	19	12	9.6	2.8	6.0	0.57	2.3
6	8.5	2.3	1.7	123	10	13	10	4.7	47	3.4	0.77	2.0
7	2.0	2.6	2.2	28	113	11	9.6	3.9	35	2.6	0.54	1.7
8	1.4	2.5	2.0	9.8	70	9.3	9.0	3.5	5.4	2.1	0.15	1.6
9	1.5	3.0	1.8	6.1	22	8.4	9.2	3.4	3.7	2.0	0.06	1.1
10	1.4	2.5	86	5.3	32	7.5	13	4.5	3.1	2.1	0.03	1.2
11	1.4	2.8	80	4.5	20	6.4	9.1	23	3.0	1.9	0.10	1.3
12	2.1	2.6	9.7	3.9	13	35	9.9	5.5	2.4	2.3	0.06	1.4
13	2.2	2.9	6.7	7.9	11	73	11	78	2.4	1.3	0.01	1.4
14	9.7	2.5	4.7	4.4	8.9	28	8.4	30	2.0	206	0.11	3.2
15	3.5	2.3	4.0	3.9	8.1	15	7.9	7.0	1.9	14	7.6	49
16	2.2	2.3	3.4	3.1	7.8	11	6.6	4.6	1.7	8.0	101	46
17	3.8	3.0	15	3.2	7.1	99	7.8	4.2	1.6	3.6	176	22
18	4.2	3.2	44	3.3	6.1	38	14	16	2.2	2.0	7.5	4.5
19	3.7	2.8	6.8	225	6.7	21	6.3	6.2	2.5	1.7	3.3	3.1
20	4.6	3.1	5.0	102	6.3	18	5.4	4.1	2.0	1.2	2.1	2.7
21	5.1	2.9	3.9	53	6.3	78	5.0	3.6	1.2	1.1	1.7	2.9
22	5.5	2.8	3.3	23	5.7	26	4.4	3.2	1.3	0.63	1.8	2.9
23	4.7	2.4	3.2	576	5.5	16	4.4	3.2	1.7	0.76	1.4	2.9
24	4.4	25	5.1	72	4.9	12	3.8	3.4	1.6	42	1.4	2.1
25	26	4.2	3.4	96	5.0	10	5.7	3.1	6.5	21	4.8	2.7
26	2.5	2.4	3.0	29	4.9	13	4.3	2.9	6.0	8.7	3.9	44
27	2.1	2.3	3.0	19	4.9	18	3.7	2.9	2.6	3.6	5.4	22
28	2.8	2.5	3.0	14	4.8	9.5	3.9	2.5	2.4	2.2	4.7	13
29	3.2	1.9	2.8	12	---	8.4	3.8	2.3	1.7	1.2	2.8	3.6
30	5.0	2.3	2.7	10	---	19	3.7	118	1.3	1.2	2.3	2.8
31	4.2	---	e2.6	9.0	---	139	---	31	---	1.1	171	---
TOTAL	126.4	113.9	319.4	1468.9	420.7	1105.8	362.9	429.7	174.6	521.49	505.28	287.6
MEAN	4.077	3.797	10.30	47.38	15.03	35.67	12.10	13.86	5.820	16.82	16.30	9.587
MAX	26	25	86	576	113	161	108	118	47	206	176	49
MIN	1.4	1.8	1.7	2.8	4.8	4.3	3.7	2.3	1.2	0.63	0.01	1.1
CFSM	0.12	0.11	0.30	1.37	0.43	1.03	0.35	0.40	0.17	0.49	0.47	0.28
IN.	0.14	0.12	0.34	1.58	0.45	1.19	0.39	0.46	0.19	0.56	0.54	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	25.02	29.19	24.83	60.21	53.47	52.66	40.44	17.49
MAX	53.7	90.4	64.3	147	95.0	79.3	77.0	27.5
(WY)	1996	1996	1998	1998	1997	2001	1997	1998
MIN	2.75	3.80	9.44	13.5	15.0	15.5	11.2	9.55
(WY)	2001	2002	2001	2001	2002	1999	1995	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1995 - 2002

	2001	2002	1995	2002
ANNUAL TOTAL	6368.30	5836.67		
ANNUAL MEAN	17.45	15.99	32.36	
HIGHEST ANNUAL MEAN			51.1	1998
LOWEST ANNUAL MEAN			16.0	2002
HIGHEST DAILY MEAN	617	Mar 29	2350	Aug 27 1995
LOWEST DAILY MEAN	0.52	Aug 23	0.00	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	0.69	Aug 27	0.07	Aug 8 2002
MAXIMUM PEAK FLOW			1550	Jan 23
MAXIMUM PEAK STAGE			12.00	Jan 23
INSTANTANEOUS LOW FLOW			0.00*	Aug 8
ANNUAL RUNOFF (CFSM)	0.50		0.46	
ANNUAL RUNOFF (INCHES)	6.85		6.28	
10 PERCENT EXCEEDS	32		32	
50 PERCENT EXCEEDS	5.4		4.2	
90 PERCENT EXCEEDS	1.8		1.6	

e Estimated.

* See REMARKS.

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

