

0212414900 MALLARD CREEK BELOW STONY CREEK NEAR HARRISBURG, NC

LOCATION.--Lat 35°19'58", long 80°42'57", 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.

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

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

REMARKS.--Records fair except 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e34	9.6	16	13	16	68	44	34	41	261	15	3.6
2	22	11	12	13	14	37	43	13	243	51	9.4	3.4
3	54	13	11	13	129	29	27	11	32	112	7.6	3.2
4	27	169	9.8	13	46	25	23	11	17	53	7.0	2.7
5	16	36	9.4	12	27	22	20	11	12	17	5.7	2.2
6	14	15	32	13	21	20	18	12	13	13	5.3	1.9
7	13	e12	33	13	19	19	20	10	93	83	5.0	1.7
8	12	e10	13	12	18	202	38	9.6	91	30	22	1.5
9	12	9.3	34	12	18	43	26	9.9	191	14	57	1.3
10	11	9.5	394	13	19	28	17	14	85	11	36	1.3
11	10	9.3	59	12	16	23	15	17	22	22	12	1.5
12	11	67	34	11	15	21	165	19	13	18	6.2	1.6
13	61	30	25	12	15	18	241	14	11	11	36	1.4
14	14	12	21	273	38	e27	243	9.7	9.5	9.6	23	1.5
15	11	10	19	38	24	18	49	14	7.9	8.0	7.5	1.6
16	9.9	9.9	18	24	43	140	32	9.9	7.0	7.5	5.6	12
17	9.6	9.4	17	20	e20	179	26	8.8	6.7	7.0	7.7	2.9
18	10	8.8	16	18	19	48	23	8.4	6.3	15	5.0	1.7
19	12	8.6	16	e16	17	30	21	8.1	6.1	10	4.8	1.9
20	11	8.7	15	e16	18	24	19	30	6.8	6.9	4.0	1.7
21	9.7	8.8	14	e15	74	21	17	12	6.1	5.8	3.7	1.6
22	9.5	8.7	15	15	38	46	25	8.7	5.6	21	4.1	1.5
23	8.9	17	88	14	24	288	25	8.3	5.3	9.3	4.1	1.3
24	14	70	31	13	123	54	15	7.4	5.3	7.4	35	1.4
25	10	53	20	14	40	32	14	7.2	5.0	5.5	5.1	1.5
26	8.8	15	17	13	26	25	13	7.8	56	5.7	3.9	1.9
27	9.6	40	15	12	23	27	14	7.1	54	5.5	3.5	2.0
28	24	96	14	11	428	776	13	7.0	123	9.6	3.7	1.6
29	13	20	14	13	---	82	12	6.8	22	84	3.7	1.2
30	10	14	14	54	---	42	21	8.7	153	e103	5.3	1.7
31	9.8	---	14	25	---	72	---	7.8	---	56	4.4	---
TOTAL	501.8	810.6	1,060.2	766	1,328	2,486	1,279	363.2	1,349.6	1,072.8	358.3	66.3
MEAN	16.2	27.0	34.2	24.7	47.4	80.2	42.6	11.7	45.0	34.6	11.6	2.21
MAX	61	169	394	273	428	776	243	34	243	261	57	12
MIN	8.8	8.6	9.4	11	14	18	12	6.8	5.0	5.5	3.5	1.2
CFSM	0.47	0.78	0.99	0.71	1.37	2.32	1.23	0.34	1.30	1.00	0.33	0.06
IN.	0.54	0.87	1.14	0.82	1.43	2.67	1.38	0.39	1.45	1.15	0.39	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	24.7	28.7	31.7	49.0	53.4	62.5	53.1	29.7	34.6	30.6	30.4	33.6
MAX	53.7	90.4	93.3	147	95.0	165	195	161	132	92.9	105	163
(WY)	(1996)	(1996)	(2003)	(1998)	(1997)	(2003)	(2003)	(2003)	(2003)	(1997)	(1995)	(2004)
MIN	2.75	3.80	9.44	11.8	15.0	15.5	11.2	9.55	5.82	9.09	1.74	2.21
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(1995)	(2001)	(2002)	(2001)	(2001)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1995 - 2005	
ANNUAL TOTAL	15,500.1		11,441.8		38.4	
ANNUAL MEAN	42.4		31.3		86.5	
HIGHEST ANNUAL MEAN					16.0	2003
LOWEST ANNUAL MEAN					16.0	2002
HIGHEST DAILY MEAN	2,170	Sep 28	776	Mar 28	2,350	Aug 27, 1995
LOWEST DAILY MEAN	3.1	Jun 3	1.2	Sep 29	0.01	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	4.8	May 24	1.4	Sep 8	0.07	Aug 8, 2002
MAXIMUM PEAK FLOW			1,880	Mar 28	6,260*	Aug 27, 1995
MAXIMUM PEAK STAGE			12.21	Mar 28	17.34*	Aug 27, 1995
INSTANTANEOUS LOW FLOW			0.60	Sep 29	0.00*	Aug 8, 2002
ANNUAL RUNOFF (CFSM)	1.22		0.906		1.11	
ANNUAL RUNOFF (INCHES)	16.66		12.30		15.08	
10 PERCENT EXCEEDS	62		58		67	
50 PERCENT EXCEEDS	13		14		13	
90 PERCENT EXCEEDS	6.3		4.1		3.2	

* See REMARKS.

e Estimated.

