

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	7.5	7.1	7.1	9.4	99	66	34	6.4	15	51	8.0
2	5.3	7.3	6.5	7.5	8.9	66	18	130	3.8	13	22	6.9
3	5.2	7.2	6.7	7.2	75	35	e14	67	3.1	11	e9.2	5.9
4	5.5	7.9	9.8	7.2	20	26	e12	23	9.7	20	7.2	5.6
5	5.5	14	18	63	14	21	e10	13	4.4	16	13	6.1
6	5.7	8.8	9.5	29	380	20	e12	11	3.3	12	9.0	6.8
7	6.2	8.4	7.7	13	134	e17	e12	9.3	4.0	8.6	5.5	541
8	19	8.1	7.0	10	36	e16	e9.4	8.4	19	7.4	5.3	1,270
9	22	7.3	6.8	13	25	e15	e8.8	e7.9	14	6.8	4.9	62
10	7.9	10	105	11	21	e15	e8.5	e10	11	6.3	4.3	31
11	75	8.2	39	9.3	18	e15	e13	7.3	5.3	26	7.9	22
12	12	6.8	13	9.1	104	15	e17	6.9	3.1	45	276	19
13	7.8	7.6	20	8.5	40	14	e275	7.2	6.0	9.7	380	17
14	9.0	9.0	220	8.8	30	14	42	6.7	602	7.2	284	16
15	11	9.9	31	8.3	53	17	22	6.1	240	5.7	39	15
16	6.7	10	17	7.9	49	23	17	5.7	42	5.0	21	15
17	5.9	10	37	8.2	e26	16	16	5.4	20	29	14	217
18	6.2	11	18	19	e23	17	13	6.8	15	209	14	40
19	6.2	43	12	12	e19	20	12	7.5	15	18	11	20
20	5.7	15	10	9.1	e17	e13	12	5.1	13	9.7	9.8	16
21	6.1	8.1	9.0	e8.1	e15	e11	11	4.9	357	7.6	10	14
22	6.6	7.3	8.9	e8.1	e13	e10	10	4.3	57	6.2	12	13
23	6.4	6.7	9.0	e8.9	e13	11	9.7	5.1	54	6.2	8.4	13
24	6.7	6.9	9.3	e7.8	14	e9.9	8.8	7.4	71	5.3	7.2	12
25	6.6	7.7	8.2	e8.0	13	9.8	8.3	4.4	490	4.7	6.7	13
26	8.8	6.9	7.8	e8.0	17	10	9.7	4.2	256	4.8	6.3	11
27	9.2	6.8	7.7	e8.0	49	10	13	4.9	45	282	6.5	177
28	25	9.4	7.5	e8.0	79	e9.8	8.5	4.1	27	28	5.8	2,170
29	58	9.2	7.5	e8.5	94	9.5	7.6	4.2	18	42	20	94
30	11	6.8	8.1	14	---	15	7.5	4.3	16	18	31	e46
31	8.0	---	7.7	11	---	54	---	18	---	9.1	19	---
TOTAL	385.3	292.8	691.8	366.6	1,409.3	654.0	703.8	444.1	2,431.1	894.3	1,321.0	4,903.3
MEAN	12.4	9.76	22.3	11.8	48.6	21.1	23.5	14.3	81.0	28.8	42.6	163
MAX	75	43	220	63	380	99	275	130	602	282	380	2,170
MIN	5.1	6.7	6.5	7.1	8.9	9.5	7.5	4.1	3.1	4.7	4.3	5.6
CFSM	0.36	0.28	0.64	0.34	1.40	0.61	0.68	0.41	2.34	0.83	1.23	4.72
IN.	0.41	0.31	0.74	0.39	1.52	0.70	0.76	0.48	2.61	0.96	1.42	5.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	25.6	28.9	31.4	51.4	54.0	60.8	54.2	31.5	33.6	30.2	32.3	36.7
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	9.59
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(1995)	(2001)	(2002)	(2001)	(2001)	(2002)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	27,355.7		14,497.4		39.2	
ANNUAL MEAN	74.9		39.6		86.5	
HIGHEST ANNUAL MEAN					16.0	2003
LOWEST ANNUAL MEAN					16.0	2002
HIGHEST DAILY MEAN	2,020	Mar 20	2,170	Sep 28	2,350	Aug 27, 1995
LOWEST DAILY MEAN	5.0	Sep 17	3.1	Jun 3	0.01	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	5.4	Sep 30	4.8	May 24	0.07	Aug 8, 2002
MAXIMUM PEAK FLOW			5,440	Sep 28	6,260*	Aug 27, 1995
MAXIMUM PEAK STAGE			16.76	Sep 28	17.34*	Aug 27, 1995
INSTANTANEOUS LOW FLOW			2.1	Jun 12	0.00*	Aug 8, 2002
ANNUAL RUNOFF (CFSM)	2.17		1.14		1.13	
ANNUAL RUNOFF (INCHES)	29.41		15.59		15.39	
10 PERCENT EXCEEDS	178		55		68	
50 PERCENT EXCEEDS	21		10		12	
90 PERCENT EXCEEDS	6.7		5.8		3.2	

* See REMARKS.

e Estimated.

