

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 mi<sup>2</sup>.

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 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. Minimum discharge for current water year also occurred Aug. 10.

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	2.9	8.1	6.8	22	30	86	46	21	68	18	25	11
2	3.0	6.7	6.5	16	21	150	38	51	28	260	14	7.6
3	3.5	6.0	6.5	44	18	45	33	168	201	40	15	7.0
4	3.2	5.9	12	18	73	30	31	129	110	22	201	7.3
5	3.0	48	406	13	26	33	37	55	38	18	183	7.8
6	2.7	156	85	13	25	768	33	307	33	16	35	6.4
7	2.2	24	49	11	157	94	970	87	719	23	175	6.2
8	2.5	12	28	10	35	48	162	44	351	20	322	6.1
9	3.6	9.3	20	10	22	36	606	32	294	18	217	6.0
10	3.7	8.1	16	9.5	37	28	1,830	27	58	18	40	5.7
11	365	40	141	8.9	21	24	314	24	40	70	e35	5.4
12	20	376	37	8.2	16	21	104	e18	40	37	e32	5.2
13	272	72	496	8.7	13	20	67	e18	32	416	e28	6.2
14	30	27	111	8.6	18	18	53	e18	27	207	e25	5.9
15	39	17	41	7.5	31	51	45	e25	24	73	e23	5.6
16	287	195	27	8.3	22	530	39	27	266	30	e24	5.4
17	25	186	19	12	39	75	37	19	146	120	e17	5.0
18	12	46	16	8.0	75	61	615	26	911	33	e12	6.2
19	7.7	24	15	7.4	47	44	259	25	254	39	e11	7.6
20	6.1	17	88	7.6	30	2,020	85	19	72	20	e10	6.8
21	14	14	25	8.5	23	189	60	219	41	30	11	6.7
22	38	11	17	8.0	464	91	48	1,810	31	30	9.8	22
23	9.1	9.6	14	11	119	59	36	317	26	26	9.4	133
24	6.4	8.4	684	14	41	49	32	102	22	16	44	11
25	6.5	8.0	349	9.4	29	42	52	460	20	13	10	7.2
26	11	7.6	64	9.2	45	38	86	110	19	13	8.6	6.2
27	6.3	7.3	34	8.8	214	37	42	474	21	16	8.0	5.8
28	78	7.2	25	7.3	88	34	29	69	22	11	7.2	8.5
29	42	7.0	20	11	---	34	26	43	19	62	7.8	7.5
30	19	7.3	17	224	---	288	24	33	16	32	8.5	5.3
31	11	---	15	70	---	78	---	202	---	15	12	---
TOTAL	1,335.4	1,371.5	2,890.8	632.9	1,779	5,121	5,839	4,979	3,949	1,762	1,580.3	343.6
MEAN	43.1	45.7	93.3	20.4	63.5	165	195	161	132	56.8	51.0	11.5
MAX	365	376	684	224	464	2,020	1,830	1,810	911	416	322	133
MIN	2.2	5.9	6.5	7.3	13	18	24	18	16	11	7.2	5.0
CFSM	1.25	1.32	2.70	0.59	1.84	4.77	5.63	4.64	3.80	1.64	1.47	0.33
IN.	1.44	1.47	3.11	0.68	1.91	5.51	6.28	5.35	4.25	1.89	1.70	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	27.3	31.3	32.4	55.8	54.6	65.2	57.6	33.4	28.3	30.4	31.2	22.7
MAX	53.7	90.4	93.3	147	95.0	165	195	161	132	92.9	105	69.2
(WY)	(1996)	(1996)	(2003)	(1998)	(1997)	(2003)	(2003)	(2003)	(2003)	(1997)	(1995)	(2000)
MIN	2.75	3.80	9.44	13.5	15.0	15.5	11.2	9.55	5.82	9.09	1.74	9.59
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(1999)	(1995)	(2001)	(2002)	(2001)	(2001)	(2002)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	10,874.67		31,583.5		39.1	
ANNUAL MEAN	29.8		86.5		86.5	
HIGHEST ANNUAL MEAN					16.0	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	684	Dec 24	2,020	Mar 20	2,350	Aug 27, 1995
LOWEST DAILY MEAN	0.01	Aug 13	2.2	Oct 7	0.01	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.07	Aug 8	2.9	Oct 2	0.07	Aug 8, 2002
MAXIMUM PEAK FLOW			3,750	Mar 20	6,260*	Aug 27, 1995
MAXIMUM PEAK STAGE			15.48	Mar 20	17.34*	Aug 27, 1995
INSTANTANEOUS LOW FLOW			1.6*	Oct 7	0.00*	Aug 8, 2002
ANNUAL RUNOFF (CFSM)	0.86		2.50		1.13	
ANNUAL RUNOFF (INCHES)	11.69		33.96		15.36	
10 PERCENT EXCEEDS	72		215		71	
50 PERCENT EXCEEDS	6.9		25		13	
90 PERCENT EXCEEDS	1.7		6.8		2.9	

e Estimated.  
 \* See REMARKS.

