

Water-Data Report 2008

0212414900 MALLARD CREEK BELOW STONY CREEK NEAR HARRISBURG, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°19'58", long 80°42'57" referenced to North American Datum of 1983, Mecklenburg County, NC, 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.

SURFACE-WATER RECORDS

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.--No estimated daily discharges. Records good. Maximum discharge for period of record and current water year from contracted opening measurement of peak flow; maximum gage height for period of record and current water year from crest-stage gage. No flow occurred several days August 2002, and September, October 2007.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.31	2.1	1.6	23	297	9.2	22	13	8.2	5.2	14	27
2	0.02	2.1	1.7	13	47	9.3	15	10	7.4	4.9	3.8	15
3	0.06	2.1	2.1	9.8	21	8.2	30	9.1	7.5	5.0	2.6	14
4	0.11	2.2	2.3	9.0	15	235	53	8.6	7.4	88	2.3	22
5	0.20	2.4	1.9	8.9	13	300	196	7.8	6.6	44	2.3	12
6	0.39	2.3	1.8	8.7	12	41	61	7.3	5.9	27	2.0	13
7	0.32	2.4	1.9	8.0	11	100	30	7.0	5.8	8.4	1.5	12
8	0.14	2.2	2.1	7.2	9.3	60	22	7.3	5.6	346	1.4	11
9	0.12	2.1	2.2	6.9	8.1	28	18	19	5.3	78	1.4	12
10	0.25	2.2	2.3	12	7.4	20	16	9.0	5.4	27	1.3	484
11	0.17	2.1	2.4	15	6.8	17	13	23	8.6	18	0.97	299
12	0.70	2.1	2.3	8.8	8.5	15	20	17	7.5	10	0.91	37
13	0.39	2.1	2.2	6.7	28	13	15	8.0	4.9	24	7.4	23
14	0.12	2.0	2.3	5.9	28	12	12	7.2	5.1	13	3.4	17
15	0.29	3.5	10	5.8	10	321	12	7.0	5.4	6.3	1.6	14
16	0.11	1.9	87	5.6	8.6	131	11	23	4.6	5.5	1.3	191
17	0.01	2.0	6.7	110	8.3	37	10	8.8	4.0	4.8	2.5	53
18	0.12	2.1	3.4	37	14	26	10	8.6	3.8	4.2	1.4	19
19	14	2.2	2.5	31	9.2	92	9.9	14	3.9	4.2	1.1	12
20	0.84	2.4	2.5	28	7.6	79	10	222	15	4.0	0.97	10
21	0.09	3.1	11	13	7.7	29	8.9	52	109	3.1	0.92	9.2
22	0.11	14	3.9	11	20	22	8.1	17	58	2.7	0.76	8.0
23	0.43	2.8	21	12	11	18	8.3	12	248	192	1.0	7.2
24	32	1.7	9.9	9.7	9.0	16	8.1	9.8	17	17	1.1	6.7
25	150	1.7	3.4	8.2	7.7	14	7.6	8.9	11	6.9	234	6.3
26	106	4.0	125	7.3	69	13	28	8.1	8.1	4.7	1,120	94
27	18	3.6	17	7.1	25	12	48	7.7	12	4.0	3,710	98
28	4.8	2.0	43	7.0	13	12	157	89	17	3.5	115	21
29	3.1	1.8	71	6.5	9.7	15	45	32	6.3	3.8	49	11
30	2.5	1.7	276	7.1	---	12	18	13	5.1	3.1	101	8.2
31	2.0	---	89	6.2	---	25	---	9.8	---	26	30	---
Total	337.70	80.9	811.4	455.4	741.9	1,741.7	922.9	696.0	619.4	994.3	5,416.93	1,566.6
Mean	10.9	2.70	26.2	14.7	25.6	56.2	30.8	22.5	20.6	32.1	175	52.2
Max	150	14	276	110	297	321	196	222	248	346	3,710	484
Min	0.01	1.7	1.6	5.6	6.8	8.2	7.6	7.0	3.8	2.7	0.76	6.3
Cfs/m	0.31	0.08	0.76	0.42	0.74	1.62	0.89	0.65	0.60	0.93	5.05	1.51
In.	0.36	0.09	0.87	0.49	0.80	1.87	0.99	0.75	0.67	1.07	5.82	1.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	24.6	35.0	34.5	46.3	48.3	61.1	49.6	26.3	35.9	29.5	45.8	37.0
Max	53.7	140	93.3	147	95.0	165	195	161	132	92.9	175	163
(WY)	(1996)	(2007)	(2003)	(1998)	(1997)	(2003)	(2003)	(2003)	(2003)	(1997)	(2008)	(2004)
Min	2.75	2.70	9.44	11.8	15.0	15.5	11.2	9.55	5.82	9.09	1.74	1.16
(WY)	(2001)	(2008)	(2001)	(2004)	(2002)	(1999)	(1995)	(2001)	(2002)	(2001)	(2001)	(2007)

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

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1995 - 2008	
Annual total	11,622.33		14,385.13			
Annual mean	31.8		39.3		39.5	
Highest annual mean					86.5	
Lowest annual mean					16.0	
Highest daily mean	1,580	Mar 2	3,710	Aug 27	3,710	Aug 27, 2008
Lowest daily mean	0.01	Oct 17	0.01	Oct 17	0.01	Aug 13, 2002
Annual seven-day minimum	0.15	Sep 27	0.18	Oct 2	0.07	Aug 8, 2002
Maximum peak flow			^a 12,400	Aug 27	^a 12,400	Aug 27, 2008
Maximum peak stage			^a 19.69	Aug 27	^a 19.69	Aug 27, 2008
Instantaneous low flow			^a 0.00	Oct 2	^a 0.00	Aug 8, 2002
Annual runoff (cfs)	0.920		1.14		1.14	
Annual runoff (inches)	12.50		15.47		15.50	
10 percent exceeds	55		70		67	
50 percent exceeds	8.7		8.8		12	
90 percent exceeds	0.46		1.6		3.0	

^aSee Remarks.