

**01485500 NASSAWANGO CREEK NEAR SNOW HILL, MD**

Upper Chesapeake Basin  
Pocomoke Subbasin

LOCATION.--Lat 38°13'44.1", long 75°28'17.2" referenced to North American Datum of 1983, Worcester County, MD, Hydrologic Unit 02060009, on right bank 15 ft downstream from bridge on State Highway 12, 0.5 mi upstream from Furnace Branch, 0.6 mi downstream from Millville Creek, 5.5 mi northwest of Snow Hill, and 7.3 mi upstream from mouth.

DRAINAGE AREA.--44.9 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--December 1949 to current year.

REVISED RECORDS.--WSP 1332: 1953.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 12.29 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. U.S. Geological Survey satellite collection platform at station. Several measurements of water temperature were made during the year. Water-quality records for some prior periods have been collected at this location.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 280 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Aug 29	1945	*330	*5.53
No other peak greater than base discharge			

Minimum discharge, 0.63 ft<sup>3</sup>/s, Aug. 12, 13.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	9.2	7.4	10	43	29	36	9.4	3.0	0.88	0.97	81
2	6.8	7.9	8.0	23	45	27	37	9.1	2.7	1.1	1.5	47
3	5.8	7.2	7.2	27	45	26	36	8.9	2.2	1.6	1.6	30
4	12	9.6	6.8	25	47	24	34	14	1.9	1.6	1.4	21
5	7.7	11	6.6	23	45	23	29	16	1.9	1.9	1.3	17
6	5.8	9.7	6.3	20	42	26	27	13	1.9	2.4	1.2	16
7	4.9	8.8	6.1	17	37	45	24	11	1.8	1.4	1.2	14
8	4.0	8.1	5.9	15	34	55	23	10	1.6	1.9	1.1	39
9	3.6	8.1	5.9	13	30	60	27	8.9	1.4	6.9	0.99	49
10	3.3	7.8	5.5	11	27	54	25	8.0	1.7	3.2	0.89	52
11	3.0	7.3	5.9	10	25	70	24	7.5	1.8	2.1	0.80	45
12	2.7	7.1	13	11	24	89	22	6.8	1.5	1.5	0.71	37
13	2.5	7.1	17	10	22	90	23	6.6	1.3	1.2	0.78	31
14	3.0	7.1	12	9.7	22	65	21	6.4	1.3	1.1	2.3	24
15	5.3	6.7	9.6	9.4	20	49	19	9.2	1.3	0.95	6.2	19
16	4.0	6.7	8.4	9.7	18	47	18	8.4	1.2	0.93	2.9	15
17	3.4	7.4	8.1	9.7	17	45	40	9.5	1.2	0.84	2.2	14
18	3.0	7.0	8.1	34	17	43	39	9.6	1.1	0.81	1.7	18
19	2.8	6.6	8.1	40	16	41	33	8.6	2.2	1.0	1.3	15
20	8.0	6.2	8.1	41	14	35	26	8.0	3.1	1.3	1.2	14
21	15	5.9	8.1	38	13	33	22	7.2	2.6	1.0	1.1	13
22	10	6.3	8.1	30	15	32	17	6.6	1.7	0.91	1.3	15
23	8.7	6.8	8.1	22	15	31	16	6.6	1.4	0.79	1.1	25
24	7.6	6.6	7.9	17	14	34	16	6.5	1.3	1.1	0.93	53
25	6.4	6.3	7.6	16	16	32	14	6.2	1.1	1.5	0.84	51
26	5.9	6.6	7.9	29	17	31	13	5.8	0.97	1.9	1.0	46
27	5.7	7.0	8.1	51	16	32	12	5.4	1.0	1.6	44	37
28	10	6.5	8.4	68	17	33	12	4.8	0.94	1.4	183	32
29	8.5	6.3	8.5	77	---	30	11	4.2	0.96	1.2	279	28
30	9.9	6.3	8.1	61	---	29	10	3.7	0.81	0.98	272	24
31	11	---	8.3	50	---	31	---	3.3	---	0.93	158	---
<b>Total</b>	202.3	221.2	253.1	827.5	713	1,291	706	249.2	48.88	47.92	974.51	922
<b>Mean</b>	6.53	7.37	8.16	26.7	25.5	41.6	23.5	8.04	1.63	1.55	31.4	30.7
<b>Max</b>	15	11	17	77	47	90	40	16	3.1	6.9	279	81
<b>Min</b>	2.5	5.9	5.5	9.4	13	23	10	3.3	0.81	0.79	0.71	13
<b>Cfsm</b>	0.15	0.16	0.18	0.59	0.57	0.93	0.52	0.18	0.04	0.03	0.70	0.68
<b>In.</b>	0.17	0.18	0.21	0.69	0.59	1.07	0.58	0.21	0.04	0.04	0.81	0.76

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	25.9	43.4	62.4	81.5	95.2	111	76.2	42.3	27.6	21.3	36.0	21.9
<b>Max</b>	150	233	296	261	322	302	202	183	160	120	346	177
<b>(WY)</b>	(1977)	(2010)	(2010)	(1978)	(1998)	(1994)	(1983)	(1978)	(1972)	(1975)	(1989)	(1979)
<b>Min</b>	1.62	1.99	5.32	7.71	12.4	14.9	14.8	7.10	1.63	1.55	1.24	1.33
<b>(WY)</b>	(1999)	(2008)	(2008)	(2008)	(2002)	(2006)	(2006)	(1986)	(2011)	(2011)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1950 - 2011	
<b>Annual total</b>	21,014.42		6,456.61			
<b>Annual mean</b>	57.6		17.7		53.9	
<b>Highest annual mean</b>					116	1979
<b>Lowest annual mean</b>					17.7	2011
<b>Highest daily mean</b>	793	Mar 14	279	Aug 29	2,590	Aug 19, 1989
<b>Lowest daily mean</b>	0.83	Sep 25	0.71	Aug 12	0.71	Aug 12, 2011
<b>Annual seven-day minimum</b>	0.93	Sep 20	0.92	Aug 7	0.74	Aug 11, 2002
<b>Maximum peak flow</b>			330	Aug 29	<sup>a</sup> 3,930	Aug 19, 1989
<b>Maximum peak stage</b>			5.53	Aug 29	9.07	Aug 19, 1989
<b>Instantaneous low flow</b>			0.63	Aug 12 <sup>b</sup>	0.63	Aug 14, 2002 <sup>c</sup>
<b>Annual runoff (cfsm)</b>	1.28		0.394		1.20	
<b>Annual runoff (inches)</b>	17.41		5.35		16.32	
<b>10 percent exceeds</b>	194		41		128	
<b>50 percent exceeds</b>	7.7		8.8		25	
<b>90 percent exceeds</b>	1.4		1.2		3.1	

<sup>a</sup> From rating curve extended above 1,200 ft<sup>3</sup>/s on basis of contracted-opening measurement at gage height 9.07 ft.

<sup>b</sup> Aug. 12, 13.

<sup>c</sup> Aug. 14, 2002, Aug. 12, 13, 2011.

