



Water-Data Report 2008

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 mi².

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.--Records fair except those for estimated daily discharges, which are poor. U.S. Geological Survey gage-height telemeter at station. Several measurements of water temperature were made during this 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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 14	0200	*338	*5.39
No other peak greater than base discharge			

Minimum discharge, 0.70 ft³/s, Oct. 1.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.77	1.6	2.9	9.7	14	18	16	115	26	7.2	6.1	e1.7
2	0.84	1.4	2.9	7.2	26	17	17	76	26	5.7	4.6	e1.6
3	0.92	1.4	3.9	5.9	22	16	16	49	25	4.7	3.8	e1.6
4	0.95	1.3	3.6	5.1	19	16	28	35	37	4.8	3.2	e2.0
5	0.99	1.2	3.3	4.8	17	29	32	28	98	14	2.8	e1.8
6	1.0	1.5	3.5	5.1	16	31	39	22	167	11	2.6	e1.7
7	1.0	1.7	3.3	5.1	14	36	41	18	146	14	2.4	e5.0
8	0.98	1.5	3.6	5.1	12	67	38	16	85	12	4.4	e3.0
9	1.0	1.4	3.7	5.1	12	99	31	54	49	9.9	3.5	e2.5
10	2.3	1.4	3.7	4.9	11	119	27	91	31	9.2	3.3	e2.8
11	1.8	1.4	3.7	5.3	9.5	86	25	97	22	7.9	4.1	e2.4
12	1.4	1.3	3.7	5.5	9.2	60	23	173	16	6.6	3.6	e2.0
13	1.2	1.3	3.0	5.2	33	42	24	298	13	5.5	3.3	e1.8
14	1.2	1.3	3.0	6.1	63	36	23	315	10	4.8	3.6	e1.6
15	1.2	1.8	3.0	6.2	74	32	21	226	9.5	4.6	33	e1.5
16	1.1	2.9	14	5.8	59	31	18	167	8.4	3.8	e6.0	e1.4
17	1.1	2.5	9.4	7.4	39	29	16	141	9.2	3.5	e4.4	e1.4
18	1.3	2.1	6.3	18	35	27	15	178	8.7	3.1	e3.4	1.4
19	1.5	1.9	4.6	14	32	27	14	162	8.8	2.9	e3.2	1.3
20	1.6	1.9	3.8	11	28	26	13	107	7.9	2.7	e4.0	1.3
21	1.4	1.9	3.5	9.1	25	24	39	79	6.5	2.4	e3.0	1.4
22	1.2	2.1	3.3	8.5	25	23	69	65	5.9	2.2	e2.6	1.5
23	0.98	2.6	3.8	10	26	22	81	51	5.8	2.3	e2.2	1.5
24	1.5	2.7	6.8	10	24	21	71	39	26	3.8	e2.0	1.5
25	3.2	2.8	5.2	8.9	23	20	51	32	21	3.3	e1.9	2.5
26	3.7	2.9	5.6	8.5	23	20	35	26	14	2.7	e1.8	6.4
27	5.9	2.9	8.9	8.6	22	19	29	22	10	2.5	e1.8	12
28	3.7	3.0	6.7	8.5	20	18	32	19	7.9	2.4	e1.8	18
29	2.4	3.0	8.5	8.5	19	17	71	16	6.5	4.0	e2.4	8.9
30	1.9	3.0	9.8	8.3	---	15	103	14	6.0	29	e2.0	5.0
31	1.7	---	14	7.5	---	15	---	15	---	12	e1.8	---
Total	51.73	59.7	165.0	238.9	751.7	1,058	1,058	2,746	913.1	204.5	128.6	98.5
Mean	1.67	1.99	5.32	7.71	25.9	34.1	35.3	88.6	30.4	6.60	4.15	3.28
Max	5.9	3.0	14	18	74	119	103	315	167	29	33	18
Min	0.77	1.2	2.9	4.8	9.2	15	13	14	5.8	2.2	1.8	1.3
Cfsm	0.04	0.04	0.12	0.17	0.58	0.76	0.79	1.97	0.68	0.15	0.09	0.07
In.	0.04	0.05	0.14	0.20	0.62	0.88	0.88	2.28	0.76	0.17	0.11	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	26.1	41.3	59.0	82.2	95.0	112	76.8	43.2	27.8	22.2	36.9	21.9
Max	150	196	210	261	322	302	202	183	160	120	346	177
(WY)	(1977)	(2007)	(2004)	(1978)	(1998)	(1994)	(1983)	(1978)	(1972)	(1975)	(1989)	(1979)
Min	1.62	1.99	5.32	7.71	12.4	14.9	14.8	7.10	2.52	1.58	1.24	1.33
(WY)	(1999)	(2008)	(2008)	(2008)	(2002)	(2006)	(2006)	(1986)	(1986)	(2002)	(2002)	(2007)

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	Calendar Year 2007	Water Year 2008	Water Years 1950 - 2008			
Annual total	13,381.01	7,473.73				
Annual mean	36.7	20.4	53.9			
Highest annual mean			116			
Lowest annual mean			20.4			
Highest daily mean	664	Apr 17	May 14	2,590	Aug 19, 1989	
Lowest daily mean	0.75	Sep 29 ^a	Oct 1	0.72	Aug 15, 2002	
Annual seven-day minimum	0.84	Sep 27	0.92	Oct 1	0.74	Aug 11, 2002
Maximum peak flow			338	May 14	b3,930	Aug 19, 1989
Maximum peak stage			5.39	May 14	9.07	Aug 19, 1989
Instantaneous low flow			0.70	Oct 1	0.63	Aug 14, 2002
Annual runoff (cfsm)	0.816	0.455	1.20			
Annual runoff (inches)	11.09	6.19	16.31			
10 percent exceeds	97	49	127			
50 percent exceeds	3.7	7.0	26			
90 percent exceeds	1.3	1.5	3.2			

^a Sept. 29, 30.^b From rating curve extended above 1,200 ft³/s on basis of contracted-opening measurement at gage height 9.07 ft.