

01485000 POCOMOKE RIVER NEAR WILLARDS, MD

Upper Chesapeake Basin
Pocomoke Subbasin

LOCATION.--Lat 38°23'20.0", long 75°19'28.0" referenced to North American Datum of 1983, Worcester County, MD, Hydrologic Unit 02060009, on right bank at downstream side of bridge on State Highway 346, 0.6 mi upstream from Burnt Mill Branch, 1.3 mi east of Willards, 1.3 mi west of Whaleysville, and 50.3 mi upstream from mouth.

DRAINAGE AREA.--60.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1949 to September 2004, October 2006 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 13.15 ft above North American Vertical Datum of 1988.

REMARKS.—No estimated daily discharges. Records good except those below 50 ft³/s, which are fair. U.S. Geological Survey satellite data-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 500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 31	0115	*1,400	*13.15
Mar 7	2245	1,010	12.31
Jul 13	2315	884	11.98
Aug 2	1300	678	11.38

Minimum discharge, 12 ft³/s, Oct. 14, Sept. 27-30.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	819	35	145	85	154	99	145	28	221	145	26
2	15	549	34	121	74	128	94	115	26	366	631	25
3	17	415	33	101	69	109	83	93	39	309	512	24
4	16	294	32	88	65	93	75	79	86	204	352	23
5	15	205	31	79	62	82	160	69	52	141	199	21
6	14	160	30	71	59	196	200	61	40	103	122	20
7	15	140	29	65	54	737	154	61	59	79	98	19
8	16	140	30	59	154	892	128	64	186	64	88	18
9	18	128	31	56	369	617	110	64	196	55	79	18
10	18	109	30	53	307	461	95	59	148	50	248	17
11	17	96	30	50	228	348	84	54	210	52	224	16
12	15	87	27	51	198	269	77	64	153	254	156	16
13	14	83	24	50	166	311	83	63	113	721	120	19
14	13	78	23	49	185	262	80	52	158	810	94	17
15	13	72	23	60	173	200	70	47	122	590	74	16
16	18	68	23	144	148	166	64	46	91	418	62	15
17	19	62	24	217	151	142	61	43	76	250	54	15
18	17	58	26	302	131	123	58	39	82	152	49	14
19	18	56	25	271	114	124	55	52	237	107	49	14
20	22	55	23	210	118	120	75	58	173	81	47	13
21	19	53	40	168	108	108	81	52	118	66	43	14
22	17	51	59	136	93	97	68	46	87	74	41	18
23	16	49	50	108	93	88	62	42	71	70	40	16
24	15	48	43	91	114	81	59	42	61	57	38	14
25	15	45	41	78	102	95	56	41	52	50	35	14
26	15	43	74	73	89	164	52	37	45	47	32	13
27	16	41	361	67	189	149	48	34	40	42	31	13
28	18	40	347	64	185	124	45	33	38	39	30	13
29	322	37	269	71	---	106	55	32	93	37	29	12
30	1,050	36	227	74	---	94	126	30	110	34	28	12
31	1,220	---	176	85	---	88	---	29	---	31	27	---
Total	3,048	4,117	2,250	3,257	3,883	6,728	2,557	1,746	2,990	5,574	3,777	505
Mean	98.3	137	72.6	105	139	217	85.2	56.3	99.7	180	122	16.8
Max	1,220	819	361	302	369	892	200	145	237	810	631	26
Min	13	36	23	49	54	81	45	29	26	31	27	12
Cfsm	1.63	2.27	1.20	1.74	2.29	3.59	1.41	0.93	1.65	2.97	2.01	0.28
In.	1.87	2.53	1.38	2.00	2.39	4.14	1.57	1.07	1.84	3.43	2.32	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 – 2004, 2007 – 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	38.3	61.8	87.3	107	126	142	101	58.9	44.5	34.1	49.3	28.6
Max	164	327	336	322	482	393	277	236	216	217	507	131
(WY)	(1977)	(2010)	(2010)	(1978)	(1998)	(1994)	(1983)	(1978)	(1972)	(1975)	(1989)	(2003)
Min	2.47	2.82	7.11	15.5	19.1	39.3	23.8	15.9	8.84	4.05	2.66	3.13
(WY)	(1999)	(2008)	(2002)	(1981)	(2002)	(2002)	(2012)	(2011)	(2011)	(2012)	(2002)	(1995)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1950 – 2004, 2007 – 2013	
Annual total	17,203.6		40,432			
Annual mean	47.0		111		73.5	
Highest annual mean					138	2003
Lowest annual mean					24.8	1981
Highest daily mean	1,220	Oct 31	1,220	Oct 31	2,580	Aug 20, 1989
Lowest daily mean	2.5	Jul 28	12	Sep 29 ^a	1.3	Sep 15, 1995 ^b
Annual seven-day minimum	2.9	Jul 23	13	Sep 24	1.5	Aug 20, 2002
Maximum peak flow			1,400	Oct 31	^c 2,820	Aug 20, 1989
Maximum peak stage			13.15	Oct 31	15.41	Aug 20, 1989
Instantaneous low flow			12	Oct 14 ^d	0.93	Aug 22, 2002
Annual runoff (cfs)	0.777		1.83		1.21	
Annual runoff (inches)	10.58		24.86		16.50	
10 percent exceeds	80		227		165	
50 percent exceeds	24		64		40	
90 percent exceeds	4.4		17		8.0	

^a Sept. 29, 30.^b Sept. 15, 16, 1995.^c From rating curve extended above 1,600 ft³/s.^d October 14, Sept. 27-30.