

Water-Data Report 2011

01585104 HONEYGO RUN NEAR WHITE MARSH, MD

 Upper Chesapeake Basin
 Gunpowder-Patapsco Subbasin

LOCATION.--Lat 39°22'58.8", long 76°25'58.7" referenced to North American Datum of 1983, Baltimore County, MD, Hydrologic Unit 02060003, on left bank at upstream side of bridge on State Highway 7, and 0.55 mi upstream from mouth.

DRAINAGE AREA.--2.50 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1999 to current year.

REVISED RECORDS.—WDR-US-2010: 2000-2009.

GAGE.--Water-stage recorder, crest-stage gage and concrete control. Elevation of gage is 25 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.-- Records fair below 100 ft³/s and poor above except those for estimated daily discharges (erroneous record), which are poor. U.S. Geological Survey satellite collection platform at station. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 1	0000	665	4.34
Mar 10	1430	376	3.03
May 18	1630	362	2.96
May 19	1700	836	5.03
Aug 14	1100	388	3.09
Aug 19	1815	586	4.00
Aug 28	0030	524	3.73
Sep 6	1630	372	3.01
Sep 7	1900	382	3.06
Sep 8	0130	368	2.99
Sep 9	0645	770	4.77
Sep 23	Unknown	*1,040	*5.80

Minimum discharge, 0.07 ft³/s, July 27, 28, Aug. 11-13.

01585104 HONEYGO RUN NEAR WHITE MARSH, MD—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	77	0.64	21	0.63	0.79	3.3	3.4	1.3	1.2	0.48	0.10	1.9
2	6.5	0.54	3.3	0.75	30	2.2	1.9	1.6	1.2	0.47	e0.32	1.6
3	3.4	0.64	1.4	0.70	8.1	1.4	1.6	1.3	1.3	0.88	e5.5	1.3
4	6.3	14	1.1	0.64	e3.2	1.2	1.6	8.1	1.3	0.52	e1.0	1.2
5	3.1	3.7	0.93	0.87	7.9	1.2	5.2	2.5	1.6	0.46	0.10	9.9
6	2.5	1.6	1.1	0.83	10	26	2.1	1.8	1.5	0.50	0.10	78
7	1.6	1.2	1.0	0.79	6.4	15	1.6	2.4	0.92	0.59	0.52	74
8	1.4	1.1	1.00	0.74	e5.3	3.8	4.9	1.5	0.88	6.4	0.10	79
9	1.2	1.2	0.87	0.64	e3.2	2.4	4.4	1.2	0.85	1.8	0.44	97
10	1.1	1.2	0.75	0.75	e2.6	141	2.4	1.2	1.1	0.52	0.67	8.7
11	0.75	1.2	0.78	0.75	2.3	19	2.0	1.2	0.90	1.1	0.09	5.6
12	0.75	1.4	19	0.86	2.2	6.5	6.0	1.2	12	1.5	0.07	6.9
13	0.75	1.4	6.7	0.90	1.9	4.3	8.5	1.2	3.5	0.31	5.2	3.3
14	5.1	1.2	1.6	0.76	2.7	2.9	e4.2	1.3	e1.0	0.18	32	2.6
15	1.8	1.4	1.1	0.87	2.2	2.5	e2.8	3.4	e0.70	0.18	3.2	2.3
16	0.94	2.3	1.0	0.88	1.7	17	e24	5.5	e1.2	0.18	1.2	1.8
17	0.75	2.8	0.86	0.75	1.6	4.4	e7.8	4.6	e0.87	0.18	0.69	1.6
18	0.75	1.3	0.62	2.9	1.7	3.0	e4.9	49	e0.65	0.18	22	1.6
19	3.4	1.2	0.54	2.0	1.6	2.5	4.5	79	e0.65	0.18	55	1.6
20	0.91	1.2	0.54	1.1	1.6	2.1	3.6	15	e0.59	0.38	8.6	1.6
21	0.76	1.2	0.54	e0.93	1.6	3.8	2.2	5.3	e0.84	0.18	11	1.6
22	0.86	1.3	0.54	e0.65	2.2	2.3	1.9	3.3	e0.73	0.18	4.7	3.4
23	0.96	1.2	0.54	e0.61	2.6	19	3.8	2.7	e0.69	0.18	1.7	155
24	0.82	1.3	0.54	e0.62	2.2	10	2.9	2.2	0.66	0.17	1.4	18
25	0.92	2.5	0.54	0.86	24	3.7	2.7	1.8	0.63	0.34	12	5.4
26	0.83	1.7	0.56	1.1	4.7	2.6	1.9	1.6	0.60	0.30	4.2	3.3
27	4.3	1.6	0.67	3.1	2.7	2.0	1.6	1.6	0.62	0.09	86	2.8
28	1.1	1.4	0.75	1.9	6.4	1.7	2.1	1.5	0.76	0.07	116	3.7
29	0.77	1.4	0.75	1.4	---	1.6	1.6	1.2	0.71	0.10	6.0	4.5
30	0.75	1.4	0.75	1.4	---	1.6	1.5	1.2	0.69	0.10	3.2	1.8
31	0.75	---	0.71	1.4	---	2.1	---	1.2	---	0.10	2.3	---
Total	132.82	56.22	72.08	33.08	143.39	312.1	119.6	207.9	40.84	18.80	385.40	581.0
Mean	4.28	1.87	2.33	1.07	5.12	10.1	3.99	6.71	1.36	0.61	12.4	19.4
Max	77	14	21	3.1	30	141	24	79	12	6.4	116	155
Min	0.75	0.54	0.54	0.61	0.79	1.2	1.5	1.2	0.59	0.07	0.07	1.2
Cfsm	1.71	0.75	0.93	0.43	2.05	4.03	1.59	2.68	0.54	0.24	4.97	7.75
In.	1.98	0.84	1.07	0.49	2.13	4.64	1.78	3.09	0.61	0.28	5.73	8.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.40	3.23	5.37	3.06	4.55	5.89	4.85	3.30	4.40	2.26	2.02	4.69
Max	15.4	7.73	11.8	4.72	9.30	12.0	10.5	7.59	23.4	6.42	12.4	19.4
(WY)	(2006)	(2007)	(2010)	(2003)	(2003)	(2003)	(2007)	(2003)	(2006)	(2006)	(2011)	(2011)
Min	0.32	0.74	1.14	1.07	0.85	0.91	2.32	1.61	0.68	0.30	0.23	0.32
(WY)	(2002)	(2001)	(2002)	(2011)	(2002)	(2006)	(2001)	(2006)	(2010)	(2010)	(2002)	(2005)

01585104 HONEYGO RUN NEAR WHITE MARSH, MD—Continued**SUMMARY STATISTICS**

	Calendar Year 2010		Water Year 2011		Water Years 2000 - 2011	
Annual total	1,283.51		2,103.23			
Annual mean	3.52		5.76		3.99	
Highest annual mean					6.19	2006
Lowest annual mean					1.16	2002
Highest daily mean	253	Sep 30	155	Sep 23	e370	Oct 8, 2005
Lowest daily mean	0.10	Sep 9 ^a	0.07	Jul 28 ^b	0.02	Aug 14, 2002 ^c
Annual seven-day minimum	0.16	Sep 5	0.12	Jul 26	0.02	Aug 11, 2002
Maximum peak flow			1,040	Sep 23	d1,250	Jun 27, 2006
Maximum peak stage			5.80	Sep 23	6.56	Jun 27, 2006
Instantaneous low flow			0.07	Jul 27 ^f	0.02	Aug 13, 2002 ^g
Annual runoff (cfsm)	1.41		2.30		1.60	
Annual runoff (inches)	19.10		31.30		21.71	
10 percent exceeds	6.2		8.3		7.1	
50 percent exceeds	1.3		1.5		1.4	
90 percent exceeds	0.24		0.54		0.40	

^e Estimated.^a Sept. 9-11.^b July 28, Aug. 12.^c Aug 14-17, 2002.^d From rating curve extended above 130 ft³/s on basis of culvert computation of peak flow at gage-height 5.79 ft.^f July 27, 28, Aug. 11-13.^g Aug 13-18, 2002.