



Water-Data Report 2011

**01583000 SLADE RUN NEAR GLYNDON, MD**

Upper Chesapeake Basin  
Gunpowder-Patapsco Subbasin

LOCATION.--Lat 39°29'43.4", long 76°47'41.4" referenced to North American Datum of 1983, Baltimore County, MD, Hydrologic Unit 02060003, on left bank at downstream side of bridge on Longnecker Road, 1.1 mi upstream from mouth, 1.6 mi northeast of Glyndon, and 2.6 mi northeast of Reisterstown.

DRAINAGE AREA.--2.09 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--September 1947 to September 1981. June 1998 to September 2009 (operated as crest-stage partial record station only), October 2009 to March 2011 (discontinued).

REVISED RECORDS.--WSP 1502: Drainage area. WDR MD-DE-79-1: 1973-78(P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 425.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges (ice effect), which are poor. U.S. Geological Survey satellite collection platform at station. Several measurements of water temperature were made during the year.

EXTREMES FOR THE PERIOD OCTOBER 2010 TO MARCH 2011.--Peak discharges greater than base discharge of 90 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar 10	1800	*84	*3.25
No peak greater than base discharge			

Minimum discharge, Unknown.

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**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	4.7	0.79	7.0	0.97	1.0	2.2	---	---	---	---	---	---
2	1.3	0.78	2.2	1.1	6.4	2.0	---	---	---	---	---	---
3	1.1	0.80	1.6	0.98	2.6	1.8	---	---	---	---	---	---
4	1.7	2.5	1.4	0.96	1.7	1.7	---	---	---	---	---	---
5	1.3	1.5	1.2	0.96	1.9	1.6	---	---	---	---	---	---
6	1.1	1.2	1.1	0.95	2.2	6.0	---	---	---	---	---	---
7	0.95	1.1	1.1	e0.94	2.0	5.1	---	---	---	---	---	---
8	0.81	1.0	1.0	e0.93	1.9	2.6	---	---	---	---	---	---
9	0.80	0.97	1.0	e0.94	1.6	2.3	---	---	---	---	---	---
10	0.80	1.0	1.0	0.92	1.5	22	---	---	---	---	---	---
11	0.76	0.98	1.0	e0.93	e1.3	10	---	---	---	---	---	---
12	0.77	1.1	2.8	e0.94	1.3	4.3	---	---	---	---	---	---
13	0.72	0.99	2.0	e0.94	1.3	3.3	---	---	---	---	---	---
14	1.4	1.0	1.4	e0.95	4.7	3.0	---	---	---	---	---	---
15	1.0	0.97	e1.2	e0.94	2.4	2.8	---	---	---	---	---	---
16	0.81	1.2	e1.1	0.96	2.1	3.8	---	---	---	---	---	---
17	0.76	1.9	e1.1	0.96	2.5	2.9	---	---	---	---	---	---
18	0.74	1.2	e1.1	e1.1	2.4	2.7	---	---	---	---	---	---
19	1.0	1.1	e1.1	1.4	1.9	2.5	---	---	---	---	---	---
20	0.85	1.1	e1.1	1.3	1.7	2.4	---	---	---	---	---	---
21	0.81	1.1	1.1	1.2	1.7	2.6	---	---	---	---	---	---
22	0.74	1.1	1.1	e1.1	1.7	2.4	---	---	---	---	---	---
23	0.72	1.1	1.1	0.99	1.7	3.5	---	---	---	---	---	---
24	0.74	1.0	1.0	0.89	1.6	3.5	---	---	---	---	---	---
25	0.73	1.1	1.0	e0.94	6.7	2.7	---	---	---	---	---	---
26	0.75	1.1	e1.0	e0.91	3.1	2.5	---	---	---	---	---	---
27	1.9	1.0	0.98	1.4	2.3	2.4	---	---	---	---	---	---
28	1.1	1.0	0.96	1.1	2.6	2.3	---	---	---	---	---	---
29	0.95	0.95	0.97	1.1	---	2.3	---	---	---	---	---	---
30	0.87	1.0	0.96	1.0	---	2.3	---	---	---	---	---	---
31	0.90	---	0.96	1.0	---	2.5	---	---	---	---	---	---
<b>Total</b>	33.58	33.63	43.63	31.70	65.8	114.0	---	---	---	---	---	---
<b>Mean</b>	1.08	1.12	1.41	1.02	2.35	3.68	---	---	---	---	---	---
<b>Max</b>	4.7	2.5	7.0	1.4	6.7	22	---	---	---	---	---	---
<b>Min</b>	0.72	0.78	0.96	0.89	1.0	1.6	---	---	---	---	---	---
<b>Cfsm</b>	0.52	0.54	0.67	0.49	1.12	1.76	---	---	---	---	---	---
<b>In.</b>	0.60	0.60	0.78	0.56	1.17	2.03	---	---	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1981, 2010 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.70	1.88	2.33	2.66	3.04	3.43	3.19	2.84	2.53	1.95	1.69	1.78
<b>Max</b>	7.24	4.77	5.54	6.24	5.83	6.34	7.04	6.92	10.9	6.42	5.65	7.83
<b>(WY)</b>	(1980)	(1980)	(1973)	(1979)	(1979)	(2010)	(1952)	(1952)	(1972)	(1972)	(1955)	(1975)
<b>Min</b>	0.45	0.67	0.69	0.73	1.09	1.60	1.36	1.08	0.69	0.29	0.13	0.43
<b>(WY)</b>	(1964)	(1966)	(1966)	(1966)	(1967)	(1981)	(1967)	(1969)	(1966)	(1966)	(1966)	(1962)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Years 1948 – 1981, 2010 – 2011	
<b>Annual total</b>	948.22			
<b>Annual mean</b>	2.60		2.42	
<b>Highest annual mean</b>			4.87	1972
<b>Lowest annual mean</b>			1.21	1969
<b>Highest daily mean</b>	23	Mar 13	109	Jun 22, 1972
<b>Lowest daily mean</b>	0.40	Sep 25	0.00	Aug 25, 1966 <sup>a</sup>
<b>Annual seven-day minimum</b>	0.44	Sep 20	0.00	Aug 25, 1966
<b>Maximum peak flow</b>			<sup>b</sup> 515	Jun 22, 1972
<b>Maximum peak stage</b>			4.80	Jun 22, 1972
<b>Instantaneous low flow</b>			0.00	Aug 1, 1966 <sup>c</sup>
<b>Annual runoff (cfsm)</b>	1.24		1.16	
<b>Annual runoff (inches)</b>	16.88		15.76	
<b>10 percent exceeds</b>	5.2		4.3	
<b>50 percent exceeds</b>	1.8		1.8	
<b>90 percent exceeds</b>	0.74		0.71	

<sup>a</sup> Many days in Aug. and Sept. 1966.

<sup>b</sup> From rating curve extended above 80 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 3.96 ft.

<sup>c</sup> No flow at times in Aug. and Sept. 1966.

