



Water-Data Report 2008

03075800 POLAND RUN NEAR SWANTON, MD

Potomac Basin
North Branch Potomac Subbasin

LOCATION.--Lat 39°29'11.1", long 79°16'35.8" referenced to North American Datum of 1983, Garrett County, MD, Hydrologic Unit 02070002, on right bank, 3.0 mi northwest of Swanton, 4.6 mi northeast of Deer Park, 3.6 mi southeast of Thayerville, and approximately 400 ft upstream of confluence with Deep Creek Lake.

DRAINAGE AREA.--0.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2007 to September 2008.

GAGE.--Water-stage recorder, YSI 6900-V2 water quality probe, and ISCO sediment sampler. Datum of gage is 2,460 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record above 1.0 cfs considered fair. Record below 1.0 cfs considered poor. Estimated daily discharges (ice effect, EDL malfunction, leaking weir) also considered poor. U.S. Geological satellite collection platform at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 6	2100	16	4.64
Mar 4	2325	18	4.82
Jun 4	1300	*29	*5.21

Minimum discharge, 0.01 ft³/s, on many days.

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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	0.01	0.13	0.38	1.1	1.3	0.91	0.52	3.2	2.7	1.00	0.16	0.11
2	0.01	0.11	e0.50	0.92	1.2	0.79	0.48	3.0	2.5	0.91	1.8	0.10
3	0.01	0.10	e3.5	0.77	1.0	1.1	0.47	2.8	2.3	0.89	0.74	0.10
4	0.01	0.09	e2.0	0.68	1.1	4.8	0.55	2.8	8.2	1.3	0.56	0.10
5	0.01	0.09	e1.5	0.63	4.8	9.1	0.55	2.7	6.0	1.4	0.49	0.09
6	0.01	0.14	e1.0	1.5	7.7	6.0	0.72	2.4	4.6	1.2	0.44	0.11
7	0.01	0.15	e0.90	1.6	8.5	4.3	0.79	2.3	3.3	1.1	0.32	0.10
8	0.01	0.14	e1.8	1.5	5.6	3.1	0.86	2.2	2.7	1.0	0.28	0.10
9	0.01	0.14	e5.6	1.4	3.7	2.1	0.88	2.6	2.1	0.88	e0.24	0.24
10	0.01	0.15	e9.0	1.2	2.4	1.6	0.84	4.7	1.7	0.65	e0.19	0.13
11	0.01	0.13	e5.2	4.4	1.5	1.3	0.79	5.5	1.5	0.44	e0.17	0.11
12	0.02	0.20	e4.0	3.2	1.1	1.1	0.74	6.3	1.3	0.28	e0.15	0.28
13	0.01	e0.39	e7.5	2.7	0.88	0.90	0.68	5.3	1.1	0.23	e0.13	0.23
14	0.01	e0.45	e5.9	2.1	0.72	0.82	0.61	4.0	1.2	0.19	e0.11	0.17
15	0.01	e3.0	e4.4	1.6	0.58	0.76	0.56	2.9	1.4	0.16	e0.09	0.14
16	0.01	e1.9	e3.0	1.2	0.50	0.70	0.53	4.9	1.4	0.14	e0.07	0.17
17	0.01	e1.4	e2.3	0.99	0.68	0.62	0.51	4.1	1.4	0.13	e0.07	0.11
18	0.01	e0.98	e1.8	e0.80	1.5	1.00	0.49	4.6	1.3	0.12	e0.06	0.10
19	0.02	e0.71	e1.5	e0.70	1.3	3.5	0.49	3.9	1.3	0.12	e0.06	0.10
20	0.01	e0.62	e1.1	e0.60	1.2	5.1	1.5	3.9	1.2	0.14	e0.06	0.10
21	0.01	e0.53	e0.80	e0.55	1.1	4.0	2.1	3.6	1.5	0.15	e0.06	0.10
22	0.01	0.33	e0.70	e0.50	1.0	3.1	3.4	3.4	1.7	0.42	e0.06	0.10
23	0.02	0.29	2.4	e0.45	0.88	2.1	3.3	2.9	1.3	1.4	e0.06	0.11
24	0.21	0.26	2.6	e0.38	0.76	1.5	2.9	2.4	1.2	0.58	e0.06	0.10
25	e1.5	0.24	2.2	e0.35	0.69	1.1	e2.1	2.2	1.2	0.41	e0.05	0.09
26	e1.0	0.29	1.8	e0.32	0.93	1.1	e1.4	2.1	1.1	0.32	e0.05	0.12
27	e1.2	0.72	1.4	e0.30	1.2	0.82	e1.3	3.5	1.0	0.28	0.10	0.24
28	e0.60	0.54	1.2	0.33	1.1	0.73	e1.6	3.1	0.89	0.22	0.27	0.28
29	e0.35	0.50	1.6	0.48	0.99	0.63	3.2	2.7	1.1	0.20	0.18	0.15
30	e0.17	0.43	1.3	1.6	---	0.56	3.3	2.3	1.1	0.19	0.14	0.12
31	0.14	---	1.2	1.4	---	0.53	---	3.1	---	0.19	0.12	---
Mean	0.18	0.51	2.58	1.17	1.93	2.12	1.27	3.40	2.04	0.54	0.24	0.14
Max	1.5	3.0	9.0	4.4	8.5	9.1	3.4	6.3	8.2	1.4	1.8	0.28
Min	0.01	0.09	0.38	0.30	0.50	0.53	0.47	2.1	0.89	0.12	0.05	0.09
Ac-ft	11	30	159	72	111	130	76	209	122	33	15	8.1
Cfsm	0.35	1.01	5.17	2.34	3.86	4.24	2.54	6.80	4.09	1.07	0.47	0.27
In.	0.40	1.13	5.96	2.70	4.16	4.89	2.84	7.84	4.56	1.24	0.55	0.31

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

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.18	0.50	2.58	1.17	1.93	2.12	1.27	3.40	2.04	0.54	0.24	0.14
Max	0.18	0.50	2.58	1.17	1.93	2.12	1.27	3.40	2.04	0.54	0.24	0.14
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	0.18	0.50	2.58	1.17	1.93	2.12	1.27	3.40	2.04	0.54	0.24	0.14
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

Water Year 2008	
Annual mean	1.34
Highest daily mean	9.1 Mar 5
Lowest daily mean	0.01 Oct 1 ^a
Annual seven-day minimum	0.01 Oct 1
Maximum peak flow	^b 29 Jun 4
Maximum peak stage	5.21 Jun 4
Instantaneous low flow	0.01 Oct 1 ^c
Annual runoff (ac-ft)	975
Annual runoff (cfsm)	2.69
Annual runoff (inches)	36.57
10 percent exceeds	3.4
50 percent exceeds	0.80
90 percent exceeds	0.09

^a Oct. 1-11, 13-18, 20-22.

^b From rating curve extended above 27.2 ft³/s.

^c Oct. 1-23.

