

03075800 POLAND RUN NEAR SWANTON, MD

Potomac Basin
North Branch Potomac Subbasin

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 2007 to September 2008.

WATER TEMPERATURE: October 2007 to September 2008.

PH: October 2007 to September 2008.

TURBIDITY: October 2007 to September 2008.

DISSOLVED OXYGEN: October 2007 to September 2008.

SEDIMENT CONCENTRATION: October 2007 to September 2008.

SEDIMENT LOAD: October 2007 to September 2008.

INSTRUMENTATION.--Water-quality monitor since October 2007. Automatic sampler since June 2008. Electronic data logger with 15-minute recording interval.

REMARKS.--Specific conductance record excellent for the period except Oct. 1 to Mar. 31, Jul. 21 to Aug. 9, Aug. 12-18, and Sept. 21-30, which is fair. Water temperature record excellent for the period except Oct. 1 to Nov. 14, and Nov. 22 to Jan. 24, which is fair; and Nov. 15-21 and Feb. 1-15, which is poor. PH record excellent for the period except Apr. 1-21 and Aug. 31 to Sept. 13, which is good; Oct. 1 to Mar. 31, which is fair; and Dec. 3-18, which is poor. Turbidity record excellent for the period except Oct. 1 to Mar. 31, which is fair; and Apr. 1-24 and July 11 to Aug. 22, which is poor. Several maximum daily values for turbidity notated as >1000 due to values exceeding the turbidity probe manufacturer's specification for maximum measureable turbidity, hence measured values higher than 1000 FNU were deemed unreliable. Dissolved oxygen record excellent for the period except Apr. 1 to Jul. 11 and Aug. 22 to Sept. 30, which is good; Oct. 1 to Mar. 31 and Jul. 11 to Aug. 22, which is fair. Some missing record during the period due to instrument malfunction and sedimentation of the probes.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 152 microsiemens, Sept. 12, 2008, but may have been higher during periods of missing record; minimum recorded, 25 microsiemens, June 4, 2008, but may have been lower during periods of missing record.

WATER TEMPERATURE: Maximum recorded, 19.6°C, July 20, 2008, but may have been higher during periods of missing record; minimum recorded, 0.8°C, Jan. 25, 2008, but may have been lower during periods of missing record.

PH: Maximum recorded, 7.8, Sept. 22, 2008, but may have been higher during periods of missing record; minimum recorded, 5.7, June 4, 21, 2008, but may have been lower during periods of missing record.

TURBIDITY: Maximum recorded, >1000 FNU, on several days; minimum recorded, 0.0 FNU, on several days.

DISSOLVED OXYGEN: Maximum recorded, 11.0 mg/l, on several days, but may have been higher during periods of missing record; minimum recorded, 4.9 mg/l, Oct. 23, 2007, but may have been lower during periods of missing record.

SEDIMENT CONCENTRATION: Maximum daily mean, 692 mg/L, June 4; minimum daily mean, 4 mg/L March 28-30, April 1-3, May 2, Sept. 4.

SEDIMENT LOAD: Maximum daily 22 tons, June 4; minimum daily 0 ton on many days during the year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum 152 microsiemens Sept. 12; Minimum, 25 microsiemens June 4.

WATER TEMPERATURE: Maximum 19.6°C July 20; Minimum 0.8°C Jan. 25.

PH: Maximum 7.8 Sept. 22; Minimum, 5.7 June 4, 21.

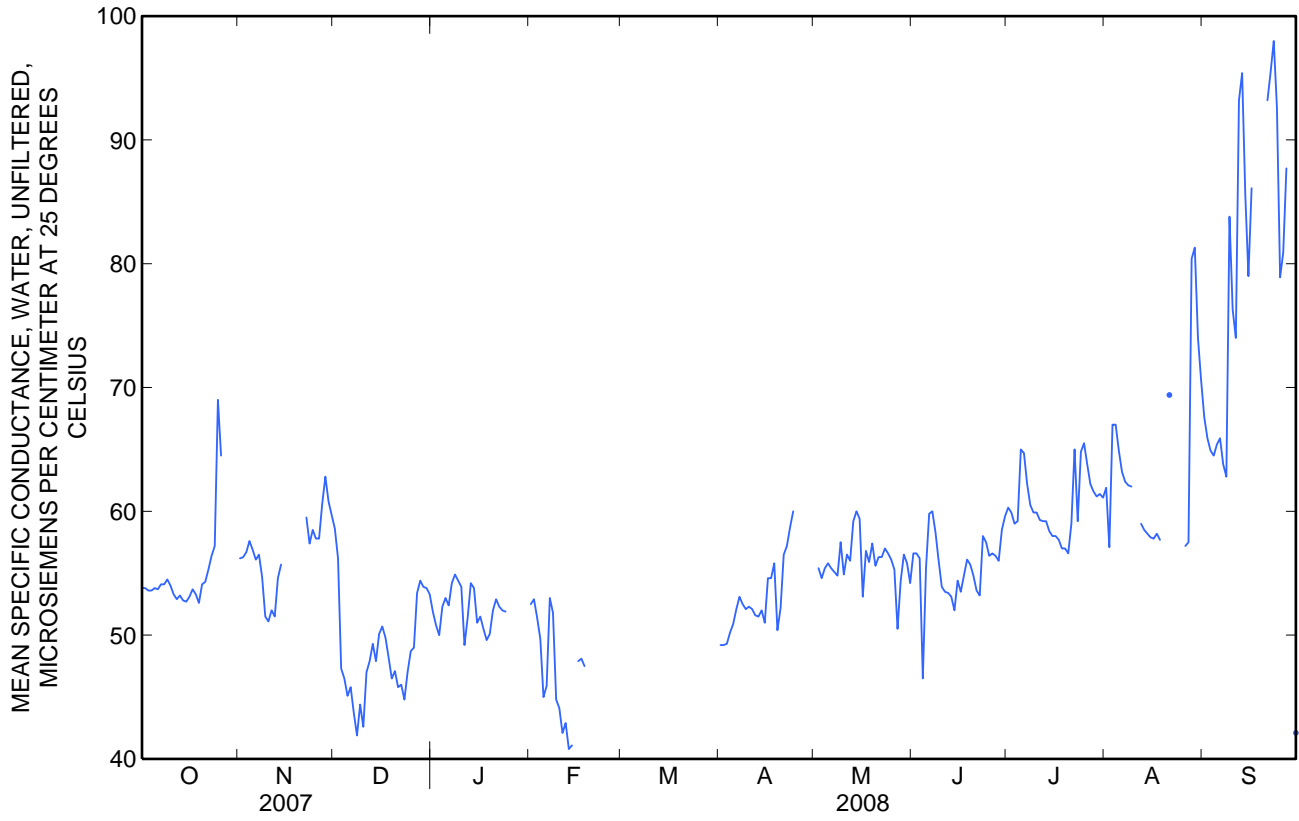
TURBIDITY: Maximum >1000 FNU on several days; minimum 0.0 FNU on several days.

DISSOLVED OXYGEN: Maximum 11.0 mg/l on several days; minimum, 4.9 mg/l Oct. 23.

SEDIMENT CONCENTRATION: Maximum daily mean, 692 mg/L, June 4; minimum daily mean, 4 mg/L March 28-30, April 1-3, May 2, Sept. 4.

SEDIMENT LOAD: Maximum daily 22 tons, June 4; minimum daily 0 ton on many days during the year.

03075800 POLAND RUN NEAR SWANTON, MD—Continued



03075800 POLAND RUN NEAR SWANTON, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	14.6	10.5	12.6	9.9	6.4	8.6	4.9	2.6	3.9	6.3	3.3	5.2
2	15.3	11.8	13.5	8.3	4.9	6.4	6.5	4.0	4.9	4.6	2.7	3.5
3	16.0	12.2	14.0	8.3	4.6	6.3	7.4	5.1	6.0	4.0	2.3	3.0
4	16.3	12.9	14.5	7.9	5.4	6.4	6.4	5.1	5.6	4.9	1.9	3.3
5	17.1	14.3	15.6	8.7	4.5	6.7	6.0	5.4	5.8	5.8	3.7	4.9
6	17.3	13.8	15.4	8.5	4.2	5.9	5.9	4.2	5.0	7.1	5.6	6.2
7	17.1	13.7	15.4	5.3	3.8	4.4	6.4	4.3	5.6	9.5	7.1	8.1
8	17.8	14.7	16.0	5.5	2.6	4.2	7.0	6.3	6.6	9.7	6.8	7.9
9	17.7	14.8	16.0	5.2	4.4	4.7	7.5	6.0	6.8	8.7	6.3	7.7
10	15.2	11.4	13.8	5.8	4.9	5.3	9.0	7.5	8.7	7.5	5.9	6.7
11	11.4	9.3	9.9	7.3	4.4	5.8	9.8	8.9	9.4	7.3	6.0	6.7
12	10.4	9.2	9.7	9.1	6.1	7.6	9.9	8.7	9.4	7.8	6.6	7.1
13	10.3	8.1	9.2	10.8	8.8	9.6	8.7	7.2	7.9	7.3	6.6	6.9
14	11.0	7.8	9.3	10.6	8.2	9.5	8.1	7.9	8.0	7.0	5.7	6.4
15	12.4	8.2	10.2	10.2	7.1	8.6	7.9	6.3	7.6	5.7	5.0	5.4
16	13.5	9.5	11.5	7.6	7.1	7.3	7.6	5.9	6.8	5.9	4.9	5.3
17	14.6	10.6	12.6	7.9	6.8	7.3	6.6	5.9	6.2	5.3	4.5	5.0
18	14.8	11.8	13.3	8.0	7.5	7.7	7.1	5.9	6.2	5.6	4.3	5.1
19	14.6	12.3	13.6	7.9	7.5	7.7	6.5	5.7	6.3	4.4	3.5	3.9
20	12.4	10.4	11.6	9.4	7.5	8.5	7.2	5.2	5.9	3.5	1.1	1.9
21	13.8	9.2	11.4	12.0	9.3	10	6.2	5.3	5.6	2.0	0.9	1.3
22	13.8	9.0	11.6	11.2	6.1	9.2	6.6	5.5	6.0	3.1	1.5	2.3
23	15.7	13.1	14.2	6.1	3.2	4.8	6.9	5.1	6.1	2.8	1.4	2.2
24	13.8	11.3	12.8	5.1	2.0	3.7	6.8	5.1	5.8	2.6	1.0	1.6
25	11.3	10.4	10.9	6.9	3.4	5.2	7.7	5.9	6.6	---	0.8	---
26	11.5	10.4	10.9	9.5	6.5	8.3	7.6	6.3	6.9	---	---	---
27	12.0	11.0	11.6	8.8	5.4	6.9	7.5	6.4	7.1	---	---	---
28	11.0	8.5	10.1	7.5	4.6	5.7	7.3	6.2	6.8	---	---	---
29	9.7	7.2	8.4	7.6	3.8	5.9	7.3	6.2	6.7	---	---	---
30	10.3	7.1	8.6	5.9	3.3	4.3	6.5	5.5	6.1	---	---	---
31	10.8	6.8	8.5	---	---	---	7.2	5.5	6.1	5.5	---	---
Month	17.8	6.8	12.2	12.0	2.0	6.8	9.9	2.6	6.5	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

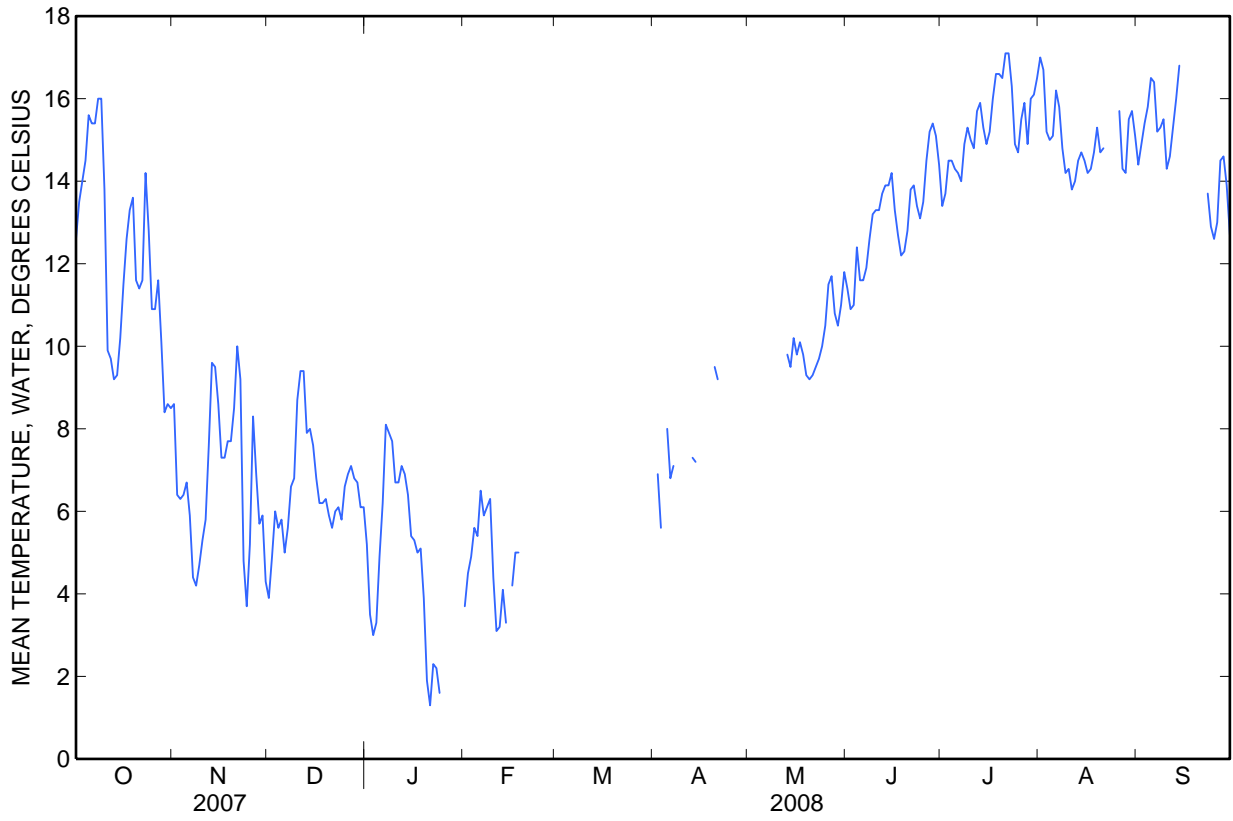
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	4.6	2.4	3.7	---	---	---	---	6.5	---	---	---	---
2	6.2	3.7	4.5	---	---	---	10.0	4.8	6.9	---	---	---
3	6.8	3.6	4.9	---	---	---	6.7	4.7	5.6	---	---	---
4	6.0	5.3	5.6	---	---	---	---	5.1	---	---	---	---
5	6.2	3.9	5.4	---	---	---	9.7	6.7	8.0	---	---	---
6	7.2	5.7	6.5	---	---	---	7.9	6.0	6.8	---	---	---
7	6.0	5.7	5.9	---	---	---	8.4	6.3	7.1	---	---	---
8	6.4	5.9	6.1	---	---	---	---	6.6	---	---	---	---
9	7.3	5.9	6.3	---	---	---	---	7.1	---	---	---	---
10	5.9	2.1	4.4	---	---	---	---	8.0	---	---	---	---
11	4.8	1.7	3.1	---	---	---	---	8.7	---	---	---	---
12	3.9	2.5	3.2	---	---	---	---	7.6	---	---	---	---
13	5.0	2.8	4.1	---	---	---	8.3	6.4	7.3	12.0	8.4	9.8
14	5.5	1.9	3.3	---	---	---	10.0	5.4	7.2	10.2	8.6	9.5
15	5.3	2.9	---	---	---	---	---	4.2	---	11.7	9.4	10.2
16	6.8	2.8	4.2	---	---	---	---	4.2	---	10.4	9.0	9.8
17	6.8	3.3	5.0	---	---	---	---	5.2	---	11.9	8.9	10.1
18	5.7	3.9	5.0	---	---	---	---	6.2	---	11.6	8.9	9.8
19	---	2.8	---	---	---	---	---	7.6	---	10.4	8.6	9.3
20	---	---	---	---	---	---	10.0	8.9	9.5	9.7	8.7	9.2
21	---	---	---	---	---	---	9.9	8.9	9.2	10.9	8.6	9.3
22	---	---	---	---	---	---	---	8.5	---	11.1	8.6	9.5
23	---	---	---	---	---	---	---	8.1	---	12.2	8.4	9.7
24	---	---	---	---	---	---	---	8.1	---	12.5	8.3	10.0
25	---	---	---	---	---	---	---	8.6	---	13.6	8.4	10.5
26	---	---	---	---	---	---	---	---	---	14.8	8.9	11.5
27	---	---	---	---	---	---	---	---	---	13.5	11.0	11.7
28	---	---	---	---	---	---	---	---	---	12.6	9.4	10.8
29	---	---	---	---	---	---	---	---	---	12.7	9.0	10.5
30	---	---	---	---	---	---	---	---	---	13.2	9.4	11.0
31	---	---	---	9.6	---	---	---	---	---	14.0	10.4	11.8
Month	---	---	---	---	---	---	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	13.0	10.4	11.4	14.1	12.4	13.4	19.1	15.7	17.0	17.2	12.1	14.4
2	12.8	9.6	10.9	16.4	11.7	13.7	17.7	15.0	16.7	17.6	12.8	14.9
3	12.6	9.9	11.0	17.1	12.5	14.5	16.4	14.4	15.2	17.9	13.4	15.4
4	15.1	11.0	12.4	15.2	13.9	14.5	16.8	13.7	15.0	18.2	13.6	15.8
5	12.7	11.0	11.6	15.8	13.6	14.3	16.0	14.2	15.1	18.6	14.6	16.5
6	13.0	10.8	11.6	15.5	13.4	14.2	17.9	15.4	16.2	17.5	15.2	16.4
7	13.6	10.8	11.9	15.0	13.4	14.0	17.4	14.8	15.8	16.8	13.8	15.2
8	14.5	11.3	12.6	17.2	13.1	14.9	16.0	13.9	14.8	17.6	13.5	15.3
9	15.3	11.6	13.2	16.7	14.4	15.3	15.9	12.4	14.2	16.1	14.4	15.5
10	15.6	11.9	13.3	16.3	13.9	15.0	16.0	13.1	14.3	15.6	13.4	14.3
11	15.4	11.9	13.3	17.2	12.9	14.8	15.1	13.0	13.8	16.0	13.4	14.6
12	16.4	11.6	13.7	18.4	13.8	15.7	16.1	12.5	14.0	16.5	14.3	15.3
13	16.0	12.5	13.9	17.4	14.8	15.9	16.5	12.6	14.5	17.3	15.3	16.0
14	15.1	13.0	13.9	17.4	13.9	15.3	16.4	13.3	14.7	18.5	15.2	16.8
15	16.4	13.0	14.2	17.7	12.9	14.9	15.9	13.6	14.5	---	---	---
16	14.3	12.4	13.3	18.1	12.7	15.2	16.2	12.6	14.2	---	---	---
17	13.5	11.6	12.7	18.9	13.8	16.0	16.8	12.3	14.3	---	---	---
18	14.0	11.3	12.2	19.2	14.6	16.6	17.4	12.4	14.7	---	---	---
19	14.1	11.1	12.3	19.3	14.7	16.6	17.7	13.1	15.3	---	---	---
20	14.7	11.1	12.8	19.6	14.5	16.5	15.5	13.7	14.7	---	---	---
21	16.4	11.5	13.8	19.4	15.8	17.1	15.6	14.0	14.8	---	---	---
22	15.3	12.8	13.9	18.7	16.0	17.1	---	---	---	16.0	---	---
23	15.2	12.3	13.4	18.3	14.8	16.3	---	---	---	15.6	12.6	13.7
24	14.8	11.6	13.1	16.1	13.8	14.9	---	---	---	14.7	11.1	12.9
25	15.6	11.7	13.5	16.6	13.2	14.7	---	---	---	13.3	12.0	12.6
26	16.7	12.9	14.5	17.5	13.8	15.5	16.8	14.6	15.7	13.7	12.2	13.0
27	17.1	13.9	15.2	17.9	14.4	15.9	15.0	13.5	14.3	15.5	13.5	14.5
28	17.4	14.2	15.4	16.6	13.5	14.9	14.7	13.5	14.2	15.2	14.2	14.6
29	16.4	14.3	15.1	18.1	14.3	16.0	17.2	14.4	15.5	15.0	12.5	13.9
30	15.7	13.6	14.4	17.3	14.6	16.1	17.0	14.7	15.7	14.0	11.4	12.7
31	---	---	---	17.2	15.9	16.5	17.3	13.5	15.1	---	---	---
Month	17.4	9.6	13.2	19.6	11.7	15.4	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued



03075800 POLAND RUN NEAR SWANTON, MD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.2	7.1	7.1	6.8	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.6
2	7.1	7.1	7.1	6.8	6.8	6.8	6.6	6.0	6.6	6.7	6.6	6.6
3	7.1	7.0	7.1	6.8	6.8	6.8	6.4	6.0	6.3	6.7	6.6	6.6
4	7.1	7.0	7.1	6.8	6.8	6.8	6.5	6.4	6.5	6.7	6.6	6.7
5	7.1	7.0	7.0	6.8	6.6	6.8	6.5	6.3	6.4	6.7	6.6	6.7
6	7.1	7.0	7.0	6.7	6.6	6.7	6.5	6.3	6.4	6.6	6.4	6.5
7	7.1	6.9	7.0	6.7	6.7	6.7	6.5	6.3	6.4	6.6	6.5	6.5
8	7.0	7.0	7.0	6.8	6.7	6.7	6.5	6.3	6.4	6.6	6.5	6.6
9	7.0	6.8	7.0	6.8	6.7	6.7	6.5	5.9	6.1	6.6	6.6	6.6
10	7.0	6.9	6.9	6.7	6.7	6.7	6.2	5.9	6.2	6.6	6.5	6.6
11	7.0	6.9	7.0	6.8	6.7	6.7	6.3	6.2	6.2	6.5	6.2	6.3
12	7.0	6.9	7.0	6.7	6.6	6.6	6.3	6.2	6.3	6.5	6.2	6.4
13	7.0	7.0	7.0	6.6	6.4	6.5	6.4	6.1	6.3	6.4	6.2	6.2
14	7.0	6.9	7.0	---	---	---	6.3	6.2	6.3	6.3	6.2	6.3
15	7.0	6.9	7.0	---	---	---	6.4	6.1	6.3	6.4	6.2	6.3
16	7.0	6.9	7.0	---	---	---	6.5	6.1	6.4	6.3	6.1	6.2
17	6.9	6.8	6.9	---	---	---	6.3	6.1	6.2	6.3	6.2	6.2
18	6.9	6.8	6.9	---	---	---	6.6	6.2	6.5	6.3	6.1	6.2
19	6.9	6.7	6.8	---	---	---	6.6	6.5	6.6	6.3	6.0	6.1
20	6.9	6.7	6.9	---	---	---	6.6	6.6	6.6	6.2	6.1	6.2
21	6.8	6.7	6.7	---	---	---	6.8	6.6	6.6	6.3	6.1	6.2
22	6.7	6.6	6.7	6.6	6.6	6.6	6.6	6.6	6.6	6.4	6.2	6.3
23	6.7	6.5	6.6	6.7	6.6	6.7	6.6	6.2	6.4	6.2	6.2	6.2
24	6.5	6.3	6.5	6.7	6.7	6.7	6.5	6.3	6.5	6.3	6.2	6.2
25	6.5	6.3	6.5	6.7	6.7	6.7	6.5	6.5	6.5	---	---	---
26	6.5	6.2	6.5	6.7	6.3	6.6	6.6	6.5	6.6	---	---	---
27	6.3	6.1	6.2	6.6	6.3	6.5	6.6	6.5	6.6	---	---	---
28	6.5	6.2	6.3	6.6	6.6	6.6	6.6	6.5	6.6	---	---	---
29	6.4	6.0	6.2	6.6	6.6	6.6	6.6	6.5	6.5	---	---	---
30	6.5	6.2	6.4	6.6	6.6	6.6	6.6	6.6	6.6	---	---	---
31	6.7	6.2	6.7	---	---	---	6.6	6.6	6.6	---	---	---
Max	7.2	7.1	7.1	---	---	---	6.8	6.6	6.6	---	---	---
Min	6.3	6.0	6.2	---	---	---	6.2	5.9	6.1	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

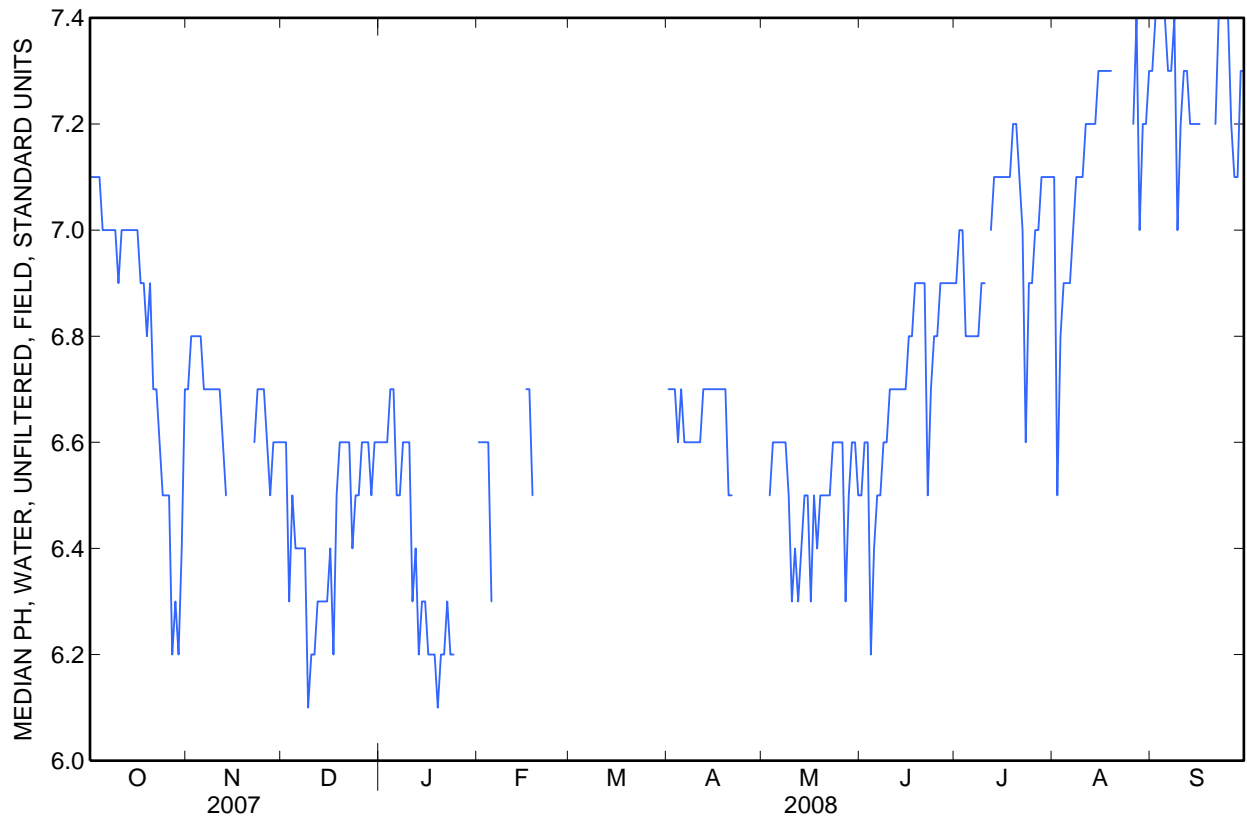
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	6.6	6.6	6.6	---	---	---	6.8	6.7	6.7	---	---	---
2	6.7	6.6	6.6	---	---	---	6.8	6.7	6.7	---	---	---
3	6.7	6.6	6.6	---	---	---	6.8	6.6	6.7	6.7	6.4	6.5
4	6.6	6.5	6.6	---	---	---	6.7	6.6	6.6	6.6	6.5	6.6
5	6.5	5.9	6.3	---	---	---	6.7	6.6	6.7	6.7	6.6	6.6
6	---	---	---	---	---	---	6.6	6.6	6.6	6.7	6.6	6.6
7	---	---	---	---	---	---	6.7	6.6	6.6	6.7	6.6	6.6
8	---	---	---	---	---	---	6.7	6.6	6.6	6.6	6.5	6.6
9	---	---	---	---	---	---	6.7	6.6	6.6	6.5	6.4	6.5
10	---	---	---	---	---	---	6.7	6.6	6.6	6.5	6.1	6.3
11	---	---	---	---	---	---	6.7	6.6	6.6	6.5	6.2	6.4
12	---	---	---	---	---	---	6.7	6.6	6.7	6.4	6.2	6.3
13	---	---	---	---	---	---	6.7	6.6	6.7	6.5	6.4	6.4
14	---	---	---	---	---	---	6.7	6.6	6.7	6.5	6.5	6.5
15	---	---	---	---	---	---	6.7	6.6	6.7	6.6	6.5	6.5
16	6.8	6.7	6.7	---	---	---	6.8	6.7	6.7	6.5	6.1	6.3
17	6.8	6.5	6.7	---	---	---	6.8	6.7	6.7	6.5	6.4	6.5
18	6.6	6.5	6.5	---	---	---	6.8	6.7	6.7	6.5	6.3	6.4
19	---	---	---	---	---	---	6.8	6.7	6.7	6.6	6.4	6.5
20	---	---	---	---	---	---	6.7	6.4	6.5	6.5	6.4	6.5
21	---	---	---	---	---	---	6.6	6.5	6.5	6.6	6.4	6.5
22	---	---	---	---	---	---	---	---	---	6.6	6.5	6.5
23	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6
24	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6
25	---	---	---	---	---	---	---	---	---	6.6	6.6	6.6
26	---	---	---	---	---	---	---	---	---	6.7	6.5	6.6
27	---	---	---	---	---	---	---	---	---	6.6	6.0	6.3
28	---	---	---	---	---	---	---	---	---	6.5	6.4	6.5
29	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6
30	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6
31	---	---	---	---	---	---	---	---	---	6.7	6.0	6.5
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	6.6	6.4	6.5	7.0	6.9	6.9	7.2	7.1	7.1	7.4	7.3	7.3
2	6.6	6.6	6.6	7.0	6.9	7.0	7.1	6.0	6.5	7.4	7.4	7.4
3	6.7	6.5	6.6	7.1	6.9	7.0	6.8	6.7	6.8	7.4	7.4	7.4
4	6.5	5.7	6.2	6.9	6.5	6.8	6.9	6.8	6.9	7.4	7.4	7.4
5	6.4	6.2	6.4	6.8	6.7	6.8	6.9	6.9	6.9	7.4	7.4	7.4
6	6.5	6.4	6.5	6.8	6.7	6.8	7.0	6.9	6.9	7.4	7.2	7.3
7	6.6	6.5	6.5	6.8	6.7	6.8	7.1	6.9	7.0	7.4	7.3	7.3
8	6.7	6.5	6.6	6.9	6.7	6.8	7.1	7.0	7.1	7.4	7.3	7.4
9	6.7	6.6	6.6	6.9	6.8	6.9	7.2	7.0	7.1	7.3	6.8	7.0
10	6.7	6.6	6.7	7.0	6.9	6.9	7.2	7.0	7.1	7.2	7.1	7.2
11	6.7	6.7	6.7	---	---	---	7.2	7.1	7.2	7.3	7.2	7.3
12	6.8	6.7	6.7	7.1	7.0	7.0	7.3	7.2	7.2	7.5	6.9	7.3
13	6.8	6.7	6.7	7.1	7.0	7.1	7.3	7.2	7.2	7.3	7.1	7.2
14	6.8	6.5	6.7	7.2	7.0	7.1	7.3	7.2	7.2	7.3	7.2	7.2
15	6.8	6.6	6.7	7.2	7.1	7.1	7.3	7.2	7.3	7.2	7.1	7.2
16	6.8	6.6	6.8	7.2	7.1	7.1	7.3	7.3	7.3	7.3	7.1	7.2
17	6.8	6.6	6.8	7.2	7.1	7.1	7.3	7.3	7.3	---	---	---
18	6.9	6.8	6.9	7.2	7.1	7.1	7.3	7.1	7.3	---	---	---
19	6.9	6.8	6.9	7.2	7.1	7.2	7.3	7.2	7.3	---	---	---
20	6.9	6.8	6.9	7.2	6.8	7.2	---	---	---	---	---	---
21	6.9	5.7	6.9	7.2	6.7	7.1	---	---	---	7.3	7.2	7.2
22	6.7	6.3	6.5	7.1	6.4	7.0	---	---	---	7.8	7.2	7.4
23	6.7	6.7	6.7	7.0	6.0	6.6	---	---	---	7.7	7.1	7.4
24	6.8	6.7	6.8	6.9	6.6	6.9	---	---	---	7.5	7.2	7.4
25	6.8	6.6	6.8	7.0	6.9	6.9	---	---	---	7.5	7.4	7.4
26	7.0	6.8	6.9	7.0	7.0	7.0	7.4	7.1	7.2	7.4	7.1	7.2
27	6.9	6.8	6.9	7.1	6.9	7.0	7.4	7.2	7.4	7.2	6.8	7.1
28	7.0	6.7	6.9	7.1	7.1	7.1	7.2	6.9	7.0	7.2	6.8	7.1
29	6.9	6.7	6.9	7.1	6.9	7.1	7.2	7.0	7.2	7.4	7.2	7.3
30	6.9	6.8	6.9	7.2	7.0	7.1	7.3	7.2	7.2	7.4	7.3	7.3
31	---	---	---	7.1	7.0	7.1	7.4	7.3	7.3	---	---	---
Max	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
Min	6.4	5.7	6.2	---	---	---	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued



03075800 POLAND RUN NEAR SWANTON, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 [>, greater than]

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	16.0	5.0	8.3	10.0	5.0	6.6	12.0	6.0	7.9	11.0	2.0	4.4
2	18.0	6.0	8.8	12.0	4.0	5.5	>1,000	5.0	144	9.0	2.0	3.9
3	19.0	6.0	8.8	8.0	3.0	4.8	>1,000	31.0	141	7.0	3.0	4.1
4	23.0	6.0	10.0	5.0	3.0	3.9	49.0	15.0	26.2	7.0	2.0	4.3
5	18.0	6.0	9.0	10.0	2.0	4.3	---	---	---	10.0	2.0	4.2
6	---	---	---	17.0	6.0	10.5	---	---	---	56.0	8.0	28.4
7	---	---	---	10.0	4.0	5.3	---	---	---	18.0	6.0	9.9
8	15.0	7.0	10.1	5.0	2.0	3.3	---	---	---	10.0	4.0	6.8
9	---	---	---	18.0	2.0	5.1	---	---	---	17.0	6.0	9.7
10	---	---	---	10.0	3.0	4.1	---	---	---	42.0	7.0	8.6
11	---	---	---	6.0	2.0	2.9	---	---	---	---	---	---
12	12.0	5.0	7.2	77.0	2.0	25.4	---	---	---	---	---	---
13	10.0	4.0	5.9	175	15.0	68.0	---	---	---	---	---	---
14	10.0	3.0	5.2	>1,000	16.0	178	---	---	---	---	---	---
15	16.0	4.0	5.5	921	53.0	190	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	9.0	6.0	---	---	---	---
19	---	---	---	---	---	---	18.0	6.0	8.4	---	---	---
20	19.0	8.0	10.0	---	---	---	16.0	6.0	7.9	---	---	---
21	10.0	6.0	6.8	---	8.0	---	10.0	3.0	6.7	---	---	---
22	7.0	5.0	6.0	13.0	6.0	7.9	8.0	3.0	4.2	---	---	---
23	20.0	6.0	8.5	11.0	6.0	7.9	393	4.0	70.8	---	---	---
24	---	---	---	17.0	5.0	6.4	36.0	6.0	14.0	---	---	---
25	---	---	---	8.0	4.0	5.6	9.0	4.0	6.0	---	---	---
26	---	---	---	688	4.0	27.0	10.0	3.0	4.9	---	---	---
27	---	---	---	889	28.0	199	10.0	4.0	5.3	---	---	---
28	---	---	---	31.0	14.0	19.7	---	3.0	---	---	---	---
29	---	---	---	20.0	10.0	14.1	---	---	---	---	---	---
30	---	---	---	14.0	7.0	10.3	12.0	3.0	6.0	---	---	---
31	---	---	---	---	---	---	8.0	2.0	3.9	7.9	0.0	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[>, greater than]

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	8.0	0.0	2.1	---	---	---	11.0	6.0	7.5	---	---	---
2	14.0	0.0	3.5	---	---	---	8.9	6.0	6.9	17.0	8.0	---
3	---	---	---	---	---	---	15.8	6.0	8.3	99.0	8.0	---
4	---	---	---	---	---	---	13.8	7.0	10	53.8	11.9	18.2
5	---	---	---	---	---	---	13.7	7.9	8.7	24.9	9.9	12.0
6	---	---	---	---	---	---	46.2	7.9	19.7	48.7	8.9	14.7
7	---	---	---	---	---	---	13.6	7.9	9.6	63.6	8.9	13.7
8	---	---	---	---	---	---	11.6	6.9	8.5	36.8	11.9	17.8
9	---	---	---	---	---	---	21.9	6.9	10.4	96.3	13.9	34.2
10	---	---	---	---	---	---	22.7	7.8	9.8	---	17.0	---
11	---	---	---	---	---	---	14.2	7.8	9.6	---	18.0	---
12	---	---	---	---	---	---	12.3	8.7	9.2	57.0	---	---
13	---	---	---	---	---	---	10.5	7.8	8.6	---	---	---
14	---	---	---	---	---	---	18.5	7.8	11.4	---	---	---
15	---	---	---	---	---	---	18.5	6.0	8.7	---	---	---
16	9.0	1.0	2.7	---	---	---	42.1	6.0	8.2	---	---	---
17	67.0	1.0	11.4	---	---	---	18.2	5.1	7.6	60.3	10.9	21.4
18	---	---	---	---	---	---	28.5	6.0	8.9	328	18.8	58.8
19	---	---	---	---	---	---	14.6	6.0	8.3	25.4	12.2	17.0
20	---	---	---	---	---	---	---	12.0	---	130	12.2	37.9
21	---	---	---	---	---	---	37.2	17.8	25.9	101	12.8	26.0
22	---	---	---	---	---	---	86.0	19.0	---	26.1	11.3	16.1
23	---	---	---	---	---	---	20.0	14.0	---	21.5	9.9	12.2
24	---	---	---	---	---	---	---	12.0	---	16.9	9.8	11.4
25	---	---	---	---	---	---	---	---	---	32.5	8.9	11.2
26	---	---	---	---	---	---	---	---	---	15.6	7.9	9.8
27	---	---	---	---	---	---	---	---	---	692	9.5	115
28	---	---	---	---	---	---	---	---	---	64.4	15.8	25.7
29	---	---	---	---	---	---	---	---	---	20.2	12.8	15.1
30	---	---	---	---	---	---	---	---	---	97.7	11.3	18.8
31	---	---	---	---	---	---	---	---	---	>1,000	11.8	128
Month	---	---	---	---	---	---	---	---	---	---	---	---

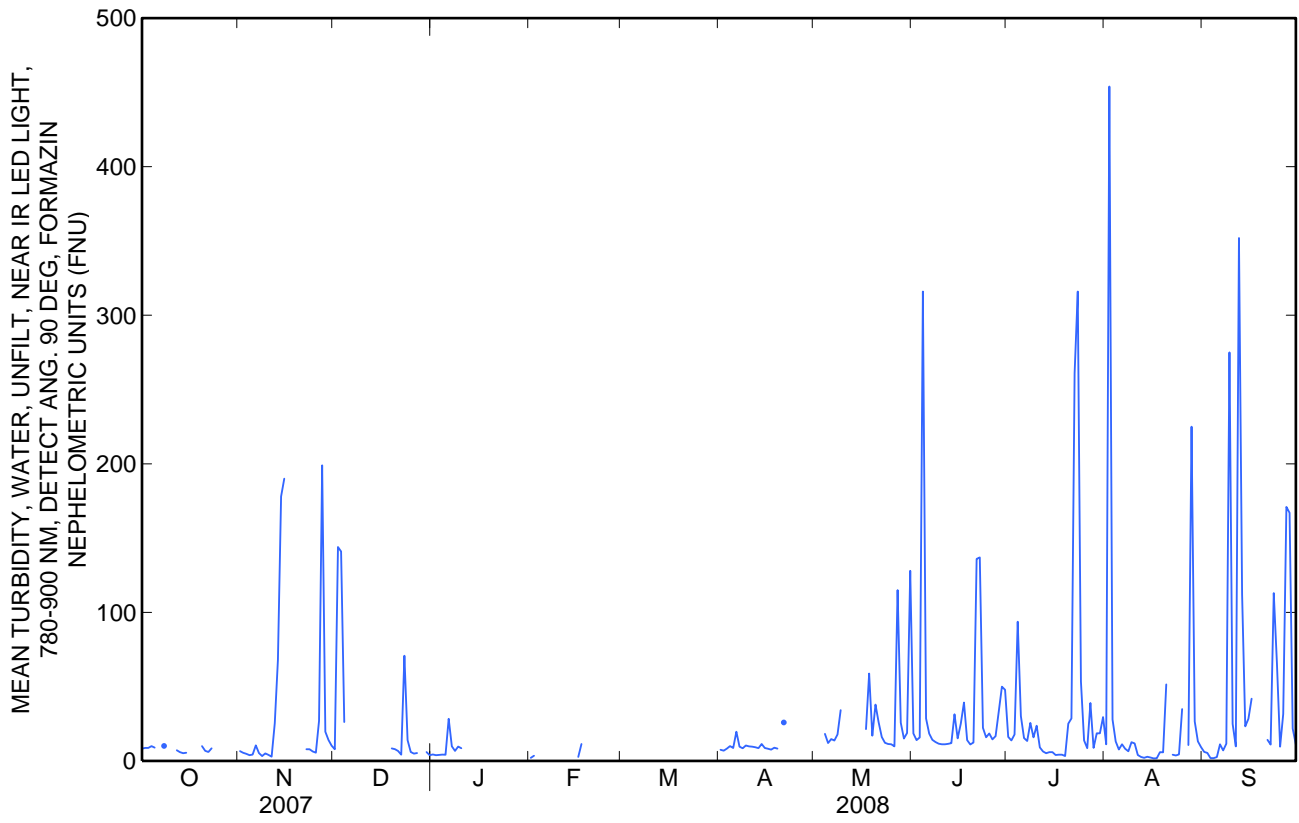
03075800 POLAND RUN NEAR SWANTON, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[>, greater than]

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	28.7	13.9	18.5	22.0	14.0	16.2	46.7	6.7	11.2	48.3	0.8	6.1
2	22.6	11.8	14.0	18.3	11.6	13.8	>1,000	24.5	454	72.8	0.3	5.4
3	61.0	10.8	15.8	49.7	11.5	17.8	59.1	15.4	27.9	15.7	0.0	1.9
4	>1,000	29.9	316	361	26.5	93.7	45.7	8.6	13.1	38.0	0.0	1.9
5	42.6	20.6	28.6	47.5	17.3	30.2	10.9	5.1	7.7	22.5	0.0	2.6
6	23.2	14.2	18.4	19.3	12.4	15.4	28.9	5.1	11.2	53.1	2.9	11.2
7	16.6	11.8	14.2	21.7	10.2	13.4	59.7	3.8	8.2	77.8	1.8	7.1
8	18.2	10.7	12.7	735	10.0	25.6	24.3	3.7	6.5	107	0.0	11.6
9	25.9	9.6	11.6	41.0	10.6	15.9	42.7	3.6	12.6	>1,000	6.2	275
10	26.7	9.6	11.2	463	10.5	23.7	23.1	8.0	11.8	63.3	11.4	24.9
11	24.5	9.4	11.2	17.5	4.7	9.1	16.1	1.0	4.0	16.7	5.4	9.8
12	22.7	9.8	11.5	17.6	4.0	6.4	13.7	0.9	2.7	>1,000	5.4	352
13	22.9	9.6	12.0	11.2	3.8	5.2	14.8	0.8	2.1	489	29.5	112
14	159	9.7	31.4	14.8	3.8	5.9	20.6	0.7	2.8	49.1	13.9	23.3
15	29.4	11.3	15.2	13.7	3.0	5.9	11.1	0.6	2.3	589	10.0	28.4
16	124	11.1	25.1	9.2	2.1	4.0	15.8	0.4	1.7	126	6.8	41.9
17	171	15.6	39.3	10.9	2.2	4.2	6.2	0.3	1.8	---	---	---
18	23.6	11.2	14.0	9.5	2.5	4.2	59.9	0.2	5.9	---	---	---
19	14.6	10.1	11.1	12.2	1.8	3.3	174	0.1	5.8	---	---	---
20	33.5	9.2	12.4	392	1.8	25.1	537	0.0	51.5	---	---	---
21	>1,000	9.0	136	655	3.4	28.6	---	---	---	31.0	10.0	14.2
22	938	26.2	137	>1,000	35.0	261	8.0	0.9	4.2	23.0	5.0	11.0
23	34.0	17.5	22.3	>1,000	43.5	316	6.0	1.0	3.7	984	5.0	113
24	22.1	13.6	15.9	>1,000	18.9	53.5	8.0	2.0	4.4	548	12.0	65.7
25	52.1	13.0	18.5	29.0	8.9	13.8	551	1.0	34.9	19.0	7.0	9.6
26	27.4	12.0	14.5	14.9	6.2	8.6	---	---	---	125	9.0	31.6
27	76.0	12.0	16.7	688	5.0	39.0	49.0	1.0	10.7	>1,000	13.0	171
28	197	13.0	33.2	28.2	5.5	8.8	736	28.0	225	>1,000	33.0	167
29	244	17.4	50.0	411	4.5	18.6	78.0	11.0	26.6	56.0	14.0	21.8
30	180	19.0	47.9	199	3.2	18.6	39.0	6.0	13.2	15.0	9.0	11.0
31	---	---	---	187	4.2	29.5	55.0	3.0	9.3	---	---	---
Month	1,000	9.0	37.9	1,000	1.8	36.6	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued



03075800 POLAND RUN NEAR SWANTON, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	9.8	8.9	9.3	8.4	7.8	8.0	9.9	9.1	9.3	9.1	8.5	8.8
2	9.5	8.6	9.0	9.0	8.1	8.6	9.0	8.6	---	9.5	9.1	9.2
3	9.3	8.4	8.9	8.9	7.9	8.5	8.9	---	---	9.6	9.4	9.5
4	9.2	8.4	8.8	8.6	8.0	8.3	9.0	---	---	9.8	9.2	9.5
5	8.8	8.2	8.5	8.8	7.3	8.2	---	---	---	9.4	8.9	9.1
6	8.9	7.9	8.5	8.6	7.2	8.1	---	---	---	9.0	8.7	8.8
7	8.8	7.7	8.4	8.8	8.3	8.6	---	---	---	8.8	8.5	8.6
8	8.6	7.7	8.2	9.2	8.3	8.7	---	---	---	8.9	8.4	8.6
9	8.4	7.3	8.0	8.7	8.4	8.5	---	---	---	8.9	8.3	8.6
10	8.6	7.8	8.2	8.5	8.3	8.4	---	---	---	9.1	8.6	8.8
11	9.4	8.5	9.1	8.8	7.9	8.4	---	---	---	8.8	8.5	8.6
12	9.5	9.2	9.4	8.2	7.6	7.9	---	---	---	8.6	---	---
13	9.9	9.2	9.6	7.8	7.2	7.5	---	---	---	---	---	---
14	9.9	9.0	9.5	---	---	---	---	---	---	---	---	---
15	9.8	8.5	9.2	---	---	---	---	---	---	---	---	---
16	9.3	8.2	8.8	---	---	---	---	---	---	---	---	---
17	8.8	7.8	8.3	---	---	---	---	---	---	---	---	---
18	8.4	7.6	8.0	---	---	---	8.7	---	---	---	---	---
19	8.0	7.2	7.7	---	---	---	8.7	8.5	8.6	---	---	---
20	8.3	7.4	7.9	---	---	---	8.9	8.5	8.7	---	---	---
21	8.1	6.4	7.3	7.8	---	---	8.8	8.6	---	---	---	---
22	7.5	5.1	6.5	8.6	7.6	7.9	8.9	8.6	8.8	---	---	---
23	6.2	4.9	5.5	9.3	8.6	8.9	8.7	8.4	8.6	---	---	---
24	8.1	6.0	6.8	9.7	8.9	9.3	8.8	8.5	8.7	---	---	---
25	8.3	8.0	8.2	9.4	8.5	8.9	8.8	8.5	8.6	---	---	---
26	---	8.1	---	8.5	7.8	8.1	8.6	8.4	8.5	---	---	---
27	---	---	---	8.9	7.8	8.5	8.6	8.4	8.5	---	---	---
28	---	---	---	9.2	8.7	8.9	8.8	8.5	8.6	---	---	---
29	---	---	---	9.1	8.5	8.8	8.8	8.4	8.6	---	---	---
30	---	---	---	9.6	8.9	9.2	8.8	8.6	8.7	---	---	---
31	---	---	---	---	---	---	8.9	8.6	8.7	---	8.7	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

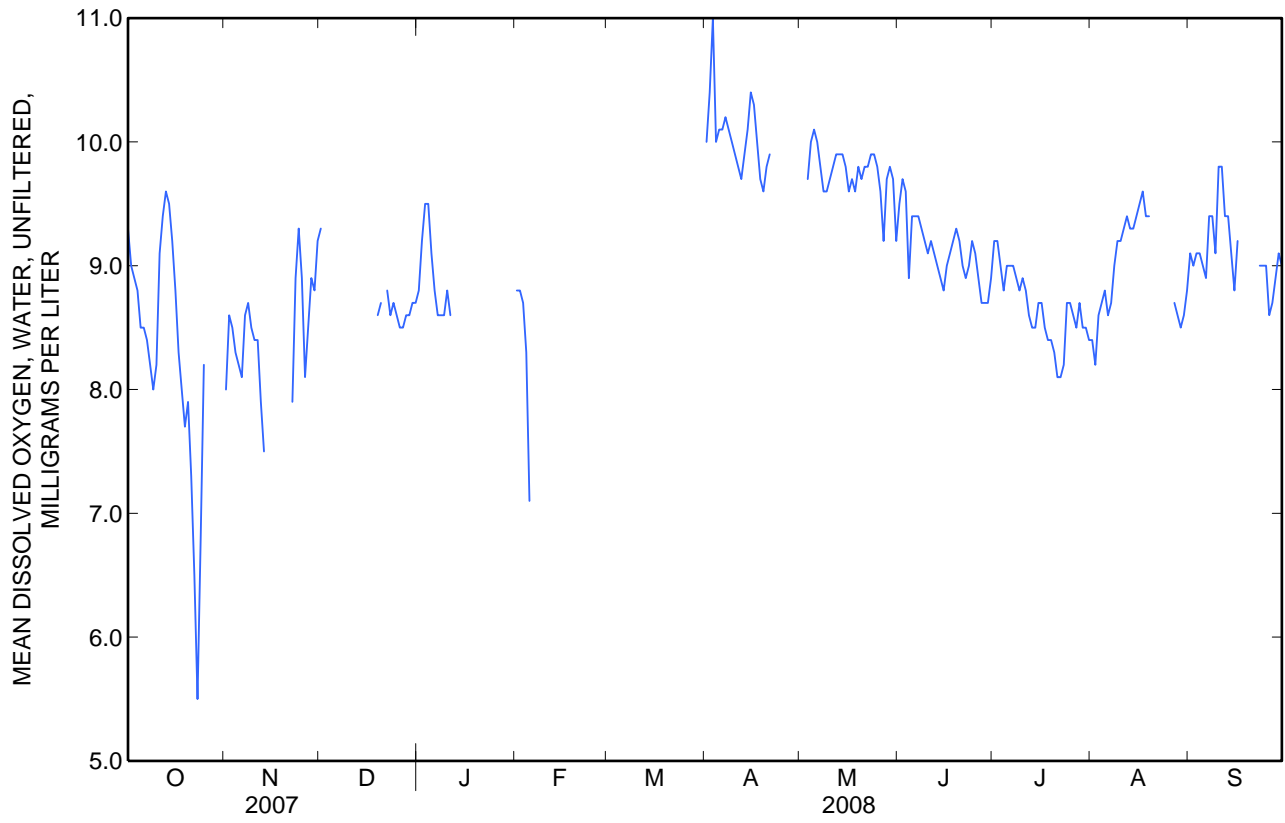
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	9.0	8.6	8.8	---	---	---	10.0	9.8	10	---	---	---
2	9.1	8.5	8.8	---	---	---	11.0	10.0	10.4	10.4	9.6	---
3	9.0	8.4	8.7	---	---	---	11.0	10.0	11.0	10.3	9.2	9.7
4	8.6	8.1	8.3	---	---	---	11.0	9.8	10.0	10.5	9.6	10
5	8.5	5.0	7.1	---	---	---	11.0	10.0	10.1	10.6	9.6	10.1
6	---	---	---	---	---	---	11.0	10.0	10.1	10.5	9.7	10.0
7	---	---	---	---	---	---	11.0	10.0	10.2	10.4	9.2	9.8
8	---	---	---	---	---	---	11.0	10.0	10.1	10.0	9.4	9.6
9	---	---	---	---	---	---	10.0	10.0	10.0	9.8	9.3	9.6
10	---	---	---	---	---	---	10.0	9.5	9.9	10.0	9.3	9.7
11	---	---	---	---	---	---	10.0	9.5	9.8	10.0	9.6	9.8
12	---	---	---	---	---	---	9.9	9.3	9.7	9.9	9.7	9.9
13	---	---	---	---	---	---	9.9	9.9	9.9	10.2	9.7	9.9
14	---	---	---	---	---	---	10.9	9.9	10.1	10.1	9.8	9.9
15	---	---	---	---	---	---	10.9	9.9	10.4	10.0	9.7	9.8
16	---	---	---	---	---	---	10.9	9.6	10.3	9.8	9.4	9.6
17	---	---	---	---	---	---	10.9	9.3	10	9.9	9.5	9.7
18	---	---	---	---	---	---	10.9	9.0	9.7	9.7	9.3	9.6
19	---	---	---	---	---	---	9.9	9.2	9.6	10.0	9.7	9.8
20	---	---	---	---	---	---	9.9	9.4	9.8	9.9	9.6	9.7
21	---	---	---	---	---	---	9.9	9.9	9.9	9.9	9.6	9.8
22	---	---	---	---	---	---	---	---	---	10.0	9.7	9.8
23	---	---	---	---	---	---	---	---	---	10.1	9.7	9.9
24	---	---	---	---	---	---	9.9	9.8	---	10.2	9.6	9.9
25	---	---	---	---	---	---	---	---	---	10.2	9.4	9.8
26	---	---	---	---	---	---	---	---	---	10.0	9.1	9.6
27	---	---	---	---	---	---	---	---	---	9.5	8.7	9.2
28	---	---	---	---	---	---	---	---	---	9.9	9.4	9.7
29	---	---	---	---	---	---	---	---	---	10.0	9.6	9.8
30	---	---	---	---	---	---	---	---	---	10.0	9.4	9.7
31	---	---	---	---	---	---	---	---	---	9.7	8.6	9.2
Month	---	---	---	---	---	---	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	9.7	9.3	9.5	9.4	9.1	9.2	8.6	8.1	8.4	9.5	8.6	9.1
2	9.9	9.5	9.7	9.5	8.7	9.2	8.5	7.9	8.2	9.4	8.5	9.0
3	9.8	9.2	9.6	9.4	8.5	9.0	8.7	8.5	8.6	9.5	8.6	9.1
4	9.3	7.8	8.9	9.0	8.7	8.8	8.9	8.4	8.7	9.5	8.5	9.1
5	9.5	9.2	9.4	9.1	8.7	9.0	8.9	8.6	8.8	9.4	8.5	9.0
6	9.6	9.3	9.4	9.1	8.8	9.0	8.8	8.4	8.6	9.4	8.5	8.9
7	9.6	9.3	9.4	9.1	8.9	9.0	8.8	8.6	8.7	9.8	8.9	9.4
8	9.5	9.1	9.3	9.1	8.6	8.9	9.1	8.8	9.0	9.9	8.9	9.4
9	9.4	8.9	9.2	8.9	8.6	8.8	9.5	8.8	9.2	9.5	8.8	9.1
10	9.4	8.8	9.1	9.1	8.8	8.9	9.4	8.9	9.2	10.1	9.5	9.8
11	9.4	8.9	9.2	9.3	8.3	8.8	9.5	9.2	9.3	10.2	9.4	9.8
12	9.5	8.7	9.1	8.9	8.1	8.6	9.7	9.0	9.4	9.8	9.0	9.4
13	9.4	8.6	9.0	8.6	8.2	8.5	9.7	8.9	9.3	9.6	9.1	9.4
14	9.2	8.4	8.9	8.8	8.2	8.5	9.6	9.1	9.3	9.7	8.3	9.1
15	9.0	8.5	8.8	9.0	8.2	8.7	9.6	9.3	9.4	9.2	7.5	8.8
16	9.2	8.6	9.0	9.1	8.1	8.7	9.8	9.2	9.5	9.7	8.7	9.2
17	9.3	8.8	9.1	8.9	8.1	8.5	10.0	9.1	9.6	9.7	8.9	---
18	9.4	8.9	9.2	8.7	7.9	8.4	9.9	8.9	9.4	---	---	---
19	9.5	9.0	9.3	8.7	7.9	8.4	9.7	8.8	9.4	---	---	---
20	9.5	8.8	9.2	8.6	7.6	8.3	---	---	---	---	8.5	---
21	9.5	8.5	9.0	8.3	7.9	8.1	---	---	---	9.3	8.4	---
22	9.1	8.6	8.9	8.3	8.0	8.1	---	---	---	10.0	---	---
23	9.3	8.8	9.0	8.6	7.5	8.2	---	---	---	10.0	8.6	9.0
24	9.5	8.9	9.2	8.9	8.1	8.7	---	---	---	9.7	8.5	9.0
25	9.5	8.8	9.1	9.0	8.5	8.7	---	---	---	9.8	8.5	9.0
26	9.2	8.5	8.9	8.9	8.3	8.6	8.7	8.3	---	9.1	8.4	8.6
27	9.0	8.5	8.7	8.8	8.3	8.5	8.9	8.5	8.7	9.3	8.4	8.7
28	8.9	8.2	8.7	9.0	8.2	8.7	8.7	8.4	8.6	9.2	8.8	8.9
29	8.9	8.5	8.7	8.9	8.1	8.5	8.7	8.3	8.5	9.4	8.9	9.1
30	9.1	8.7	8.9	8.8	8.0	8.5	8.8	8.4	8.6	9.5	8.8	9.0
31	---	---	---	8.6	8.3	8.4	9.1	8.4	8.8	---	---	---
Month	9.9	7.8	9.1	9.5	7.5	8.7	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued



03075800 POLAND RUN NEAR SWANTON, MD—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[e, estimated]

Day	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment
	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)
	October		November		December		January		February		March	
1	20	0.00	19	0.00	16	0.02	11	0.03	10	0.03	14	0.04
2	16	0.00	18	0.00	---	---	9	0.02	10	0.03	12	0.03
3	18	0.00	13	0.00	---	---	10	0.02	15	0.04	18	0.07
4	22	0.00	10	0.00	---	---	8	0.01	17	0.05	e61	e1.2
5	15	0.00	11	0.00	---	---	11	0.02	e80	e1.5	e77	e2.1
6	22	0.00	23	0.00	---	---	57	0.24	e132	e3.4	46	0.75
7	23	0.00	13	0.00	---	---	23	0.10	e147	e3.4	30	0.35
8	17	0.00	10	0.00	---	---	14	0.06	e87	e1.4	20	0.17
9	20	0.00	14	0.00	---	---	18	0.07	50	0.50	13	0.07
10	19	0.00	12	0.00	---	---	19	0.06	26	0.17	10	0.04
11	19	0.00	11	0.00	---	---	96	1.2	17	0.07	9	0.03
12	18	0.00	42	0.02	---	---	63	0.55	15	0.05	8	0.02
13	18	0.00	---	---	---	---	53	0.39	13	0.03	8	0.02
14	18	0.00	---	---	---	---	41	0.24	13	0.03	8	0.02
15	18	0.00	---	---	---	---	27	0.12	13	0.02	8	0.02
16	17	0.00	---	---	---	---	18	0.06	12	0.02	7	0.01
17	16	0.00	---	---	---	---	13	0.03	27	0.07	7	0.01
18	24	0.00	---	---	---	---	---	---	53	0.22	12	0.04
19	20	0.00	---	---	---	---	---	---	23	0.08	51	0.73
20	17	0.00	---	---	---	---	---	---	14	0.05	e80	e1.1
21	16	0.00	---	---	---	---	---	---	9	0.03	e60	e0.66
22	17	0.00	23	0.02	---	---	---	---	9	0.02	44	0.37
23	21	0.00	18	0.01	135	1.6	---	---	9	0.02	29	0.17
24	117	0.08	16	0.01	38	0.28	---	---	8	0.02	18	0.08
25	---	---	13	0.00	12	0.07	---	---	8	0.01	14	0.04
26	---	---	50	0.07	7	0.04	---	---	14	0.04	12	0.05
27	---	---	312	0.70	7	0.03	---	---	20	0.06	5	0.01
28	---	---	48	0.07	32	0.12	6	0.00	19	0.05	4	0.00
29	---	---	30	0.04	65	0.29	8	0.01	16	0.04	4	0.00
30	---	---	25	0.03	16	0.06	22	0.09	---	---	4	0.00
31	20	0.00	---	---	16	0.05	15	0.05	---	---	4	0.00
Total	---	---	---	---	---	---	---	---	---	11.45	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[e, estimated]

Day	Mean		Mean		Mean		Mean		Mean		Mean	
	concentration (mg/L)	Sediment discharge (tons/day)	concentration (mg/L)	Sediment discharge (tons/day)	concentration (mg/L)	Sediment discharge (tons/day)	concentration (mg/L)	Sediment discharge (tons/day)	concentration (mg/L)	Sediment discharge (tons/day)	concentration (mg/L)	Sediment discharge (tons/day)
	April		May		June		July		August		September	
1	4	0.00	7	0.06	40	0.29	25	0.07	42	0.02	18	0.00
2	4	0.00	4	0.03	26	0.17	23	0.06	e525	e3.3	11	0.00
3	4	0.00	59	0.48	28	0.17	24	0.06	60	0.12	6	0.00
4	5	0.00	25	0.20	692	22	e114	e0.48	16	0.03	4	0.00
5	6	0.00	6	0.04	310	5.0	48	0.18	12	0.02	7	0.00
6	31	0.06	5	0.04	273	3.4	31	0.10	23	0.03	26	0.00
7	9	0.02	5	0.03	210	1.9	27	0.08	14	0.01	14	0.00
8	9	0.02	13	0.08	165	1.2	17	0.05	13	0.00	21	0.00
9	9	0.02	52	0.39	129	0.74	10	0.02	---	---	287	0.24
10	9	0.02	e74	e0.99	104	0.47	8	0.01	---	---	70	0.03
11	9	0.02	e53	e0.87	64	0.26	7	0.00	---	---	25	0.00
12	8	0.02	31	0.53	23	0.08	22	0.02	---	---	295	0.37
13	8	0.01	25	0.36	23	0.07	8	0.00	---	---	90	0.05
14	8	0.01	17	0.19	54	0.20	10	0.00	---	---	58	0.03
15	8	0.01	12	0.09	33	0.12	11	0.00	---	---	46	0.02
16	8	0.01	e69	e0.99	27	0.10	10	0.00	---	---	82	0.04
17	11	0.02	33	0.37	35	0.14	10	0.00	---	---	24	0.00
18	15	0.02	e98	e1.5	36	0.13	10	0.00	---	---	23	0.00
19	17	0.02	30	0.31	34	0.12	10	0.00	---	---	27	0.00
20	78	0.33	e70	e0.77	31	0.10	24	0.01	---	---	27	0.00
21	55	0.31	52	0.52	e148	e2.0	31	0.02	---	---	26	0.00
22	40	0.36	35	0.33	e260	e1.4	247	0.50	---	---	27	0.00
23	11	0.09	29	0.23	79	0.29	e239	e1.2	---	---	162	0.07
24	9	0.07	29	0.19	42	0.14	78	0.12	---	---	52	0.02
25	---	---	24	0.14	37	0.12	58	0.07	---	---	22	0.00
26	---	---	22	0.12	37	0.11	44	0.04	---	---	68	0.02
27	---	---	e191	e2.3	33	0.09	63	0.05	11	0.00	167	0.37
28	---	---	66	0.56	81	0.20	29	0.02	227	0.18	160	0.18
29	8	0.06	44	0.32	78	0.23	20	0.01	53	0.03	32	0.01
30	8	0.07	46	0.28	65	0.20	34	0.02	27	0.01	23	0.00
31	---	---	e179	e2.3	---	---	52	0.03	26	0.00	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	1.45

03075800 POLAND RUN NEAR SWANTON, MD—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[e, estimated]

Day	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment
	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)	concentration (mg/L)	discharge (tons/day)
	October		November		December		January		February		March	
1	20	0.00	19	0.00	16	0.02	11	0.03	10	0.03	14	0.04
2	16	0.00	18	0.00	---	---	9	0.02	10	0.03	12	0.03
3	18	0.00	13	0.00	---	---	10	0.02	15	0.04	18	0.07
4	22	0.00	10	0.00	---	---	8	0.01	17	0.05	e61	e1.2
5	15	0.00	11	0.00	---	---	11	0.02	e80	e1.5	e77	e2.1
6	22	0.00	23	0.00	---	---	57	0.24	e132	e3.4	46	0.75
7	23	0.00	13	0.00	---	---	23	0.10	e147	e3.4	30	0.35
8	17	0.00	10	0.00	---	---	14	0.06	e87	e1.4	20	0.17
9	20	0.00	14	0.00	---	---	18	0.07	50	0.50	13	0.07
10	19	0.00	12	0.00	---	---	19	0.06	26	0.17	10	0.04
11	19	0.00	11	0.00	---	---	96	1.2	17	0.07	9	0.03
12	18	0.00	42	0.02	---	---	63	0.55	15	0.05	8	0.02
13	18	0.00	---	---	---	---	53	0.39	13	0.03	8	0.02
14	18	0.00	---	---	---	---	41	0.24	13	0.03	8	0.02
15	18	0.00	---	---	---	---	27	0.12	13	0.02	8	0.02
16	17	0.00	---	---	---	---	18	0.06	12	0.02	7	0.01
17	16	0.00	---	---	---	---	13	0.03	27	0.07	7	0.01
18	24	0.00	---	---	---	---	---	---	53	0.22	12	0.04
19	20	0.00	---	---	---	---	---	---	23	0.08	51	0.73
20	17	0.00	---	---	---	---	---	---	14	0.05	e80	e1.1
21	16	0.00	---	---	---	---	---	---	9	0.03	e60	e0.66
22	17	0.00	23	0.02	---	---	---	---	9	0.02	44	0.37
23	21	0.00	18	0.01	135	1.6	---	---	9	0.02	29	0.17
24	117	0.08	16	0.01	38	0.28	---	---	8	0.02	18	0.08
25	---	---	13	0.00	12	0.07	---	---	8	0.01	14	0.04
26	---	---	50	0.07	7	0.04	---	---	14	0.04	12	0.05
27	---	---	312	0.70	7	0.03	---	---	20	0.06	5	0.01
28	---	---	48	0.07	32	0.12	6	0.00	19	0.05	4	0.00
29	---	---	30	0.04	65	0.29	8	0.01	16	0.04	4	0.00
30	---	---	25	0.03	16	0.06	22	0.09	---	---	4	0.00
31	20	0.00	---	---	16	0.05	15	0.05	---	---	4	0.00
Total	---	---	---	---	---	---	---	---	---	---	---	---

03075800 POLAND RUN NEAR SWANTON, MD—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[e, estimated]

Day	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean concentration (mg/L)	Sediment discharge (tons/day)
	April		May		June		July		August		September	
1	4	0.00	7	0.06	40	0.29	25	0.07	42	0.02	18	0.00
2	4	0.00	4	0.03	26	0.17	23	0.06	e525	e3.3	11	0.00
3	4	0.00	59	0.48	28	0.17	24	0.06	60	0.12	6	0.00
4	5	0.00	25	0.20	692	22	e114	e0.48	16	0.03	4	0.00
5	6	0.00	6	0.04	310	5.0	48	0.18	12	0.02	7	0.00
6	31	0.06	5	0.04	273	3.4	31	0.10	23	0.03	26	0.00
7	9	0.02	5	0.03	210	1.9	27	0.08	14	0.01	14	0.00
8	9	0.02	13	0.08	165	1.2	17	0.05	13	0.00	21	0.00
9	9	0.02	52	0.39	129	0.74	10	0.02	---	---	287	0.24
10	9	0.02	e74	e0.99	104	0.47	8	0.01	---	---	70	0.03
11	9	0.02	e53	e0.87	64	0.26	7	0.00	---	---	25	0.00
12	8	0.02	31	0.53	23	0.08	22	0.02	---	---	295	0.37
13	8	0.01	25	0.36	23	0.07	8	0.00	---	---	90	0.05
14	8	0.01	17	0.19	54	0.20	10	0.00	---	---	58	0.03
15	8	0.01	12	0.09	33	0.12	11	0.00	---	---	46	0.02
16	8	0.01	e69	e0.99	27	0.10	10	0.00	---	---	82	0.04
17	11	0.02	33	0.37	35	0.14	10	0.00	---	---	24	0.00
18	15	0.02	e98	e1.5	36	0.13	10	0.00	---	---	23	0.00
19	17	0.02	30	0.31	34	0.12	10	0.00	---	---	27	0.00
20	78	0.33	e70	e0.77	31	0.10	24	0.01	---	---	27	0.00
21	55	0.31	52	0.52	e148	e2.0	31	0.02	---	---	26	0.00
22	40	0.36	35	0.33	e260	e1.4	247	0.50	---	---	27	0.00
23	11	0.09	29	0.23	79	0.29	e239	e1.2	---	---	162	0.07
24	9	0.07	29	0.19	42	0.14	78	0.12	---	---	52	0.02
25	---	---	24	0.14	37	0.12	58	0.07	---	---	22	0.00
26	---	---	22	0.12	37	0.11	44	0.04	---	---	68	0.02
27	---	---	e191	e2.3	33	0.09	63	0.05	11	0.00	167	0.37
28	---	---	66	0.56	81	0.20	29	0.02	227	0.18	160	0.18
29	8	0.06	44	0.32	78	0.23	20	0.01	53	0.03	32	0.01
30	8	0.07	46	0.28	65	0.20	34	0.02	27	0.01	23	0.00
31	---	---	e179	e2.3	---	---	52	0.03	26	0.00	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	1.45

03075800 POLAND RUN NEAR SWANTON, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 4

Date	Time	Sample medium and type	Altitude of land surface feet (72000)	Gage height, feet (00065)	Instantaneous discharge, ft ³ /s (00061)	Drainage area, mi ² (81024)	Turbidity, IR LED light, 90 deg, FNU (63680)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)
Dec									
27...	1107	Surface water, regular	2,480	2.72	1.5	.50	--	--	--
Jan									
04...	0916	Surface water, regular	2,480	2.52	.68	.50	--	--	--
11...	0810	Surface water, regular	2,480	3.17	4.4	.50	12	8.5	6.2
25...	1000	Surface water, regular	2,480	2.40	.48	.50	--	--	--
30...	0845	Surface water, regular	2,480	2.74	1.8	.50	29	9.0	6.8
Feb									
15...	1200	Surface water, regular	2,480	2.48	.56	.50	.0	1.3	6.0
19...	0905	Surface water, regular	2,480	2.70	1.4	.50	5.0	8.3	6.5
21...	0800	Surface water, regular	2,480	2.65	1.1	.50	6.4	11.4	6.4
Mar									
07...	0800	Surface water, regular	2,480	3.23	4.5	.50	--	--	--
12...	0715	Surface water, regular	2,480	2.68	1.1	.50	--	--	--
19...	0705	Surface water, regular	2,480	2.79	1.6	.50	--	--	--
28...	0715	Surface water, regular	2,480	2.93	.80	.50	--	--	--
Apr									
25...	1000	Surface water, regular	2,480	3.53	2.3	.50	12	10.2	6.5
May									
02...	0800	Surface water, regular	2,480	3.39	3.1	.50	8.0	10.0	6.6
12...	1215	Surface water, regular	2,480	4.18	6.5	.50	33	10.1	6.3
Jun									
04...	1020	Surface water, regular	2,480	3.92	5.1	.50	660	9.0	6.1
04...	1120	Surface water, regular	2,480	3.89	4.9	.50	380	8.9	6.2
04...	1200	Surface water, regular	2,480	3.98	5.4	.50	230	9.0	6.2
04...	1230	Surface water, regular	2,480	4.96	21	.50	1,690	8.3	5.7
04...	1300	Surface water, regular	2,480	5.21	29	.50	1,700	7.9	5.6
04...	1400	Surface water, regular	2,480	4.98	22	.50	500	8.5	5.9
04...	1500	Surface water, regular	2,480	4.78	16	.50	260	8.7	5.9
04...	1600	Surface water, regular	2,480	4.63	13	.50	--	--	--
05...	0645	Surface water, regular	2,480	4.15	6.3	.50	28	9.5	6.2
Jul									
11...	0830	Surface water, regular	2,480	2.85	.54	.50	6.7	9.4	6.2
12...	1707	Surface water, regular	2,480	2.75	.22	.50	--	--	--
12...	2037	Surface water, regular	2,480	2.74	.24	.50	--	--	--
13...	0638	Surface water, regular	2,480	2.74	.24	.50	--	--	--
13...	1538	Surface water, regular	2,480	2.74	.23	.50	--	--	--
23...	0808	Surface water, regular	2,480	2.95	.86	.50	--	--	--
23...	0820	Surface water, regular	2,480	2.95	.86	.50	--	--	--

03075800 POLAND RUN NEAR SWANTON, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 4

Date	Specif. conduc- tance, wat unf lab, μ S/cm 25 degC (90095)	Specif- ic conduc- tance, wat unf μ S/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Sus- pended sedi- ment concen- tration mg/L (80154)	Purpose site visit, code (50280)	Sampler type, code (84164)	Sam- pling method, code (82398)	Type of sample related QA data, code (99111)
Dec								
27...	60	--	--	8	--	3070	10	1
Jan								
04...	56	--	2.3	3	1001	3070	10	1
11...	51	49	6.7	98	1003	3031	10	--
25...	55	--	--	7	1001	3070	10	--
30...	55	52	2.2	24	1001	3001	10	--
Feb								
15...	55	43	3.2	13	1001	3001	10	--
19...	56	53	3.4	23	1001	3001	10	--
21...	56	46	2.1	9	1001	3070	10	--
Mar								
07...	60	--	--	32	1001	3070	10	--
12...	--	--	--	8	1001	3070	10	--
19...	--	--	--	20	1001	3001	10	--
28...	--	--	--	4	1001	3070	10	--
Apr								
25...	--	57	10.8	8	1001	3070	10	--
May								
02...	--	55	8.9	4	1001	3070	10	1
12...	--	56	--	30	1001	3001	10	--
Jun								
04...	--	--	12.4	1,150	1002	3001	10	--
04...	--	51	12.5	245	1002	3001	10	--
04...	--	47	12.5	205	1002	3001	10	--
04...	--	25	15.0	5,260	1002	3001	10	--
04...	--	29	14.9	2,480	1002	3001	10	--
04...	--	40	13.7	1,140	1002	3001	10	--
04...	--	40	13.2	419	1002	3001	10	--
04...	--	--	--	240	1002	3001	10	--
05...	--	53	10.9	321	1002	3001	10	--
Jul								
11...	--	63	13.1	7	1001	3001	10	1
12...	--	--	--	34	1002	4115	25	--
12...	--	--	--	10	1002	4115	25	--
13...	--	--	--	11	1002	4115	25	--
13...	--	--	--	5	1002	4115	25	--
23...	--	--	--	98	1002	4115	70	--
23...	--	--	--	127	1002	4115	10	--

03075800 POLAND RUN NEAR SWANTON, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 4

Date	Time	Sample medium and type	Altitude of land surface feet (72000)	Gage height, feet (00065)	Instantaneous discharge, ft ³ /s (00061)	Drainage area, mi ² (81024)	Turbidity, IR LED light, 90 deg, FNU (63680)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)
Aug									
04...	0930	Surface water, regular	2,480	2.84	.60	.50	14	9.5	6.7
04...	0931	Surface water, regular	2,480	2.84	.60	.50	14	9.5	6.7
04...	0944	Surface water, regular	2,480	2.84	.60	.50	13	9.5	6.7
04...	0945	Surface water, regular	2,480	2.84	.60	.50	13	9.5	6.7
22...	1000	Surface water, regular	2,480	2.76	4.6	.50	8.0	4.0	6.1
Sep									
09...	0629	Surface water, regular	2,480	2.82	.46	.50	960	--	--
09...	0630	Surface water, regular	2,480	2.82	.46	.50	960	--	--
09...	0635	Surface water, regular	2,480	2.81	.43	.50	960	--	--
27...	2131	Surface water, regular	2,480	2.92	.77	.50	85	--	--
27...	2201	Surface water, regular	2,480	3.04	1.2	.50	85	--	--
29...	0815	Surface water, regular	2,480	2.70	.15	.50	27	9.2	7.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 4

Date	Specif. conductance, wat unf lab, μS/cm 25 degC (90095)	Specif. conductance, wat unf μS/cm 25 degC (00095)	Temperature, deg C (00010)	Suspended sediment concentration, mg/L (80154)	Purpose site visit, code (50280)	Sampler type, code (84164)	Sampling method, code (82398)
Aug							
04...	67	67	14.3	48	1001	4115	70
04...	--	67	14.3	16	1001	3070	70
04...	--	67	14.6	11	1001	3070	70
04...	--	67	14.6	14	1001	4115	70
22...	--	32	19.0	9	1001	3070	70
Sep							
09...	--	--	--	650	1001	4115	25
09...	--	97	--	591	1001	3070	70
09...	--	--	--	634	1001	4115	25
27...	--	--	7.7	688	--	4115	25
27...	--	--	7.7	1,940	1001	4115	25
29...	--	51	13.3	30	1001	3070	70