



Water-Data Report 2010

03079748 LAUREL HILL CREEK AT METZLER, PA

Monongahela Basin
Youghiogheny Subbasin

LOCATION.--Lat 39°55'12", long 79°16'48" referenced to North American Datum of 1983, Somerset County, PA, Hydrologic Unit 05020006, 300 ft downstream of bridge on Whipkey Dam Road at Metzler.

DRAINAGE AREA.--78.9 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2007 to July 2010 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 2007 to July 2010 (discontinued).

REMARKS.--Data collected as part of the Laurel Hill Creek Watershed Assessment Project.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Somerset County Conservation District.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 30.5°C, Jul 7, 2010; minimum, 0.0°C, many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.5°C, July 7; minimum, 0.1°C, Dec. 9, 23, 24.

03079748 LAUREL HILL CREEK AT METZLER, PA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	13.8	10.9	12.3	10.9	8.7	9.9	5.3	3.6	4.4	0.9	0.4	0.8
2	12.9	10.6	11.3	9.8	7.0	8.4	5.7	3.1	4.1	0.4	0.2	0.2
3	14.6	11.3	12.7	9.0	7.0	7.9	6.4	5.5	5.9	0.2	0.2	0.2
4	14.0	11.3	12.2	7.2	5.5	6.4	5.6	4.7	5.3	0.4	0.2	0.3
5	12.7	10.6	11.8	6.4	5.3	5.9	4.7	3.7	4.2	0.4	0.4	0.4
6	12.6	9.2	10.8	6.9	5.0	5.8	3.7	2.4	3.1	0.4	0.4	0.4
7	12.6	11.5	12.1	7.3	3.7	5.3	3.1	1.5	2.4	0.6	0.4	0.5
8	12.1	9.8	10.9	9.5	6.2	7.5	3.7	1.4	3.1	0.4	0.2	0.4
9	13.7	10.9	12.2	8.7	6.2	7.6	4.2	0.1	2.3	0.6	0.2	0.4
10	13.4	12.0	12.8	9.3	7.8	8.5	3.3	0.9	2.3	0.4	0.2	0.3
11	12.4	10.6	11.5	9.2	7.8	8.4	0.9	0.2	0.6	0.4	0.2	0.3
12	10.9	9.2	10.0	7.8	6.9	7.3	1.8	0.2	0.9	0.6	0.4	0.4
13	11.3	10.1	10.7	9.2	6.9	7.9	3.3	0.9	1.9	0.7	0.4	0.5
14	10.1	8.1	8.5	10.1	8.4	9.2	4.2	3.0	3.5	0.7	0.4	0.5
15	8.1	7.6	7.9	9.9	7.6	8.8	4.7	3.7	4.4	0.9	0.6	0.8
16	7.9	7.5	7.8	10.6	9.3	9.8	3.9	2.3	3.2	1.4	0.9	1.1
17	7.5	7.0	7.3	9.9	8.0	8.8	2.8	1.8	2.2	1.5	0.9	1.1
18	7.8	6.5	7.1	8.1	6.5	7.3	3.0	1.7	2.2	3.0	0.9	1.8
19	8.4	5.5	6.7	9.2	8.1	8.7	2.1	0.2	0.6	3.3	2.4	2.9
20	9.5	6.1	7.6	9.1	8.1	8.4	1.8	0.6	1.1	3.4	2.1	2.8
21	10.4	6.9	8.5	8.4	7.8	8.1	1.5	0.9	1.2	3.3	1.0	2.1
22	11.0	7.5	9.2	8.7	7.4	8.0	1.7	1.2	1.4	3.6	2.3	2.9
23	10.7	9.3	10.0	7.8	7.0	7.4	1.4	0.1	0.6	4.4	3.0	3.5
24	11.2	10.4	11.0	8.9	7.5	8.1	0.9	0.1	0.3	4.0	2.8	3.5
25	11.3	9.5	10.1	8.7	7.7	8.3	0.9	0.2	0.5	3.9	2.3	3.0
26	10.7	7.9	9.2	7.7	6.2	6.8	2.1	0.9	1.5	3.1	2.3	2.7
27	10.4	8.2	9.3	6.4	3.9	5.0	2.6	0.6	1.6	3.4	2.3	2.7
28	10.6	9.8	10.2	4.8	3.7	4.2	2.0	0.4	0.9	3.4	1.0	2.4
29	11.5	10.1	10.5	5.8	3.0	4.1	0.4	0.2	0.2	1.4	0.4	0.7
30	12.4	9.8	10.9	6.2	4.5	5.8	0.4	0.2	0.3	0.6	0.4	0.4
31	11.3	10.3	10.8	---	---	---	0.9	0.4	0.6	0.7	0.4	0.4
Month	14.6	5.5	10.1	10.9	3.0	7.5	6.4	0.1	2.2	4.4	0.2	1.3

03079748 LAUREL HILL CREEK AT METZLER, PA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.9	0.4	0.5	0.9	0.7	0.8	13.5	6.5	9.4	18.4	9.9	13.8
2	1.2	0.4	0.8	1.0	0.7	0.9	14.9	8.2	11.1	16.1	13.2	14.3
3	1.2	0.9	1.1	0.9	0.7	0.9	15.2	9.9	12.4	15.4	13.2	14.2
4	1.4	0.6	1.0	1.2	0.7	0.8	14.9	9.9	12.2	16.0	12.4	14.0
5	1.2	0.4	0.9	1.2	0.6	0.8	16.0	8.9	12.0	17.5	11.3	13.9
6	0.6	0.4	0.4	1.4	0.6	0.8	17.6	11.3	14.0	17.6	12.6	14.4
7	0.6	0.4	0.4	1.4	0.6	0.9	18.4	11.5	14.6	16.7	10.9	13.6
8	0.7	0.4	0.6	1.8	0.6	1.1	15.3	11.3	13.4	14.6	11.5	13.5
9	0.7	0.6	0.6	2.3	0.9	1.4	12.8	8.2	9.8	12.7	9.8	10.9
10	0.7	0.6	0.6	2.3	1.4	1.7	13.7	6.5	9.6	14.4	7.0	10.3
11	0.7	0.6	0.7	4.2	1.5	2.6	14.0	7.3	10.6	10.8	7.8	8.6
12	0.9	0.7	0.7	3.7	2.8	3.1	15.2	9.2	12.1	10.9	9.0	10.1
13	0.9	0.7	0.7	3.4	2.8	3.1	13.3	9.3	10.6	13.0	10.4	11.3
14	0.7	0.6	0.7	3.9	2.8	3.2	14.3	7.2	10.3	16.7	11.2	13.3
15	0.6	0.6	0.6	4.8	3.9	4.5	16.0	8.2	11.9	17.5	12.3	14.5
16	0.6	0.6	0.6	7.2	4.5	5.4	16.2	11.3	13.5	16.7	12.7	14.3
17	0.7	0.6	0.6	7.8	4.8	5.9	12.6	8.7	10.8	14.6	11.7	12.7
18	0.7	0.6	0.7	8.1	5.1	6.2	8.7	6.9	7.5	12.1	11.3	11.8
19	0.9	0.6	0.7	8.9	5.3	6.6	13.7	6.1	9.1	11.7	10.9	11.3
20	0.9	0.6	0.7	9.2	5.9	7.1	13.5	6.9	10	15.9	10.7	12.7
21	0.9	0.6	0.8	9.0	6.5	7.6	15.4	8.1	11.4	15.4	11.7	13.4
22	0.9	0.9	0.9	10.1	7.6	8.4	14.1	8.1	11.2	13.7	12.9	13.3
23	1.0	0.9	0.9	8.1	6.7	7.4	15.7	9.2	12.1	14.6	12.7	13.6
24	1.4	0.9	1.0	9.3	6.4	7.5	13.8	10.7	12.2	14.9	12.9	13.8
25	1.0	0.6	0.8	9.6	6.7	7.9	17.6	10.9	13.5	16.7	12.9	14.3
26	0.6	0.6	0.6	9.6	7.0	8.2	13.3	11.3	12.3	17.6	12.6	14.8
27	0.9	0.6	0.7	9.3	5.5	7.1	13.7	10.4	11.9	19.6	14.1	16.4
28	0.9	0.7	0.7	6.7	5.6	6.2	10.4	8.1	9.3	19.2	14.3	16.7
29	---	---	---	7.8	6.2	6.9	13.8	6.5	9.8	21.0	15.6	17.7
30	---	---	---	9.8	5.9	7.6	17.0	8.2	12.0	22.2	15.6	18.4
31	---	---	---	11.5	5.9	8.2	---	---	---	21.0	15.9	18.2
Month	1.4	0.4	0.7	11.5	0.6	4.5	18.4	6.1	11.4	22.2	7.0	13.7

03079748 LAUREL HILL CREEK AT METZLER, PA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	21.4	17.0	18.7	21.1	16.7	19.1	---	---	---	---	---	---
2	22.2	16.3	19.0	22.5	16.2	19.2	---	---	---	---	---	---
3	21.2	17.6	19.2	24.0	17.1	20.4	---	---	---	---	---	---
4	23.0	17.8	20.1	25.1	18.9	22.1	---	---	---	---	---	---
5	21.6	18.6	19.9	26.6	20.5	23.6	---	---	---	---	---	---
6	21.4	18.4	19.5	27.4	21.8	24.6	---	---	---	---	---	---
7	19.8	16.5	17.6	30.5	21.4	25.2	---	---	---	---	---	---
8	19.9	14.0	16.9	---	---	---	---	---	---	---	---	---
9	19.0	13.8	15.7	---	---	---	---	---	---	---	---	---
10	19.2	16.0	17.2	---	---	---	---	---	---	---	---	---
11	19.6	14.8	16.9	---	---	---	---	---	---	---	---	---
12	21.7	15.9	18.4	---	---	---	---	---	---	---	---	---
13	21.7	18.1	19.6	---	---	---	---	---	---	---	---	---
14	21.5	18.6	19.9	---	---	---	---	---	---	---	---	---
15	20.4	16.8	18.4	---	---	---	---	---	---	---	---	---
16	22.7	17.6	19.7	---	---	---	---	---	---	---	---	---
17	20.9	17.5	18.9	---	---	---	---	---	---	---	---	---
18	23.4	15.9	19.3	---	---	---	---	---	---	---	---	---
19	24.7	17.3	20.6	---	---	---	---	---	---	---	---	---
20	24.4	18.9	21.3	---	---	---	---	---	---	---	---	---
21	24.9	18.7	21.6	---	---	---	---	---	---	---	---	---
22	23.9	19.6	21.7	---	---	---	---	---	---	---	---	---
23	25.4	20.2	22.6	---	---	---	---	---	---	---	---	---
24	24.4	20.5	22.5	---	---	---	---	---	---	---	---	---
25	24.6	19.2	21.7	---	---	---	---	---	---	---	---	---
26	25.4	19.6	22.3	---	---	---	---	---	---	---	---	---
27	25.8	20.7	23.2	---	---	---	---	---	---	---	---	---
28	24.9	21.7	23.3	---	---	---	---	---	---	---	---	---
29	24.2	21.2	22.8	---	---	---	---	---	---	---	---	---
30	23.1	18.1	20.6	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	25.8	13.8	20.0	30.5	16.2	22.0	---	---	---	---	---	---