

Water-Data Report 2012

**01470755 Maiden Creek near Virginville, PA**

Lower Delaware Basin  
Schuylkill Subbasin

LOCATION.--Lat 40°31'31", long 75°52'31" referenced to North American Datum of 1927, Berks County, PA, Hydrologic Unit 02040203, immediately downstream of confluence with Sacony Creek, at downstream right side of Ontelaunee Trail bridge (SR143) at west end of Virginville. Records include flow from Sacony Creek.

DRAINAGE AREA.--157 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.-- March 2012 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 440 ft above National Geodetic Vertical Datum of 1929, from topographic map. Satellite telemetry at station.

COOPERATION.--Station established and maintained by the U.S. Geological Survey. Funding for the operation of this station is provided by the Delaware River Basin Commission.

REMARKS.--No estimated daily values. Records good except those for period from Mar 22 to June 16, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Sep 19	0015	*5,060	*9.50
No other peaks above base discharge.			

Minimum discharge, 34 ft<sup>3</sup>/s, Sept. 16, 17, 18, gage height, 3.09 ft.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	117	111	180	65	239	44
2	---	---	---	---	---	---	129	116	1,140	61	144	42
3	---	---	---	---	---	---	104	155	567	58	110	46
4	---	---	---	---	---	---	97	131	503	57	94	62
5	---	---	---	---	---	---	91	218	402	61	98	188
6	---	---	---	---	---	---	88	144	343	55	119	86
7	---	---	---	---	---	---	85	132	285	55	82	60
8	---	---	---	---	---	---	83	168	233	64	69	62
9	---	---	---	---	---	---	81	383	201	55	57	97
10	---	---	---	---	---	---	79	283	181	51	224	59
11	---	---	---	---	---	---	79	233	161	49	155	48
12	---	---	---	---	---	---	79	196	257	48	99	45
13	---	---	---	---	---	---	77	173	470	45	81	42
14	---	---	---	---	---	---	75	184	259	46	192	40
15	---	---	---	---	---	---	77	513	215	91	173	38
16	---	---	---	---	---	---	76	484	191	113	124	35
17	---	---	---	---	---	---	72	358	169	62	99	35
18	---	---	---	---	---	---	69	292	158	62	129	1,050
19	---	---	---	---	---	---	70	247	154	67	88	1,770
20	---	---	---	---	---	---	69	210	146	101	80	511
21	---	---	---	---	---	---	73	190	122	95	89	351
22	---	---	---	---	---	---	138	186	107	68	76	263
23	---	---	---	---	---	107	439	188	101	60	68	198
24	---	---	---	---	---	104	225	213	87	58	63	161
25	---	---	---	---	---	106	166	174	96	50	61	136
26	---	---	---	---	---	103	146	156	93	55	59	123
27	---	---	---	---	---	94	135	239	81	110	55	133
28	---	---	---	---	---	95	121	241	76	67	57	155
29	---	---	---	---	---	96	115	175	78	415	53	124
30	---	---	---	---	---	91	106	289	70	176	47	104
31	---	---	---	---	---	135	---	187	---	120	44	---
<b>Total</b>	---	---	---	---	---	931	3,361	6,969	7,126	2,540	3,128	6,108
<b>Mean</b>	---	---	---	---	---	103	112	225	238	81.9	101	204
<b>Max</b>	---	---	---	---	---	135	439	513	1,140	415	239	1,770
<b>Min</b>	---	---	---	---	---	91	69	111	70	45	44	35
<b>Cfsm</b>	---	---	---	---	---	0.66	0.71	1.43	1.51	0.52	0.64	1.30
<b>In.</b>	---	---	---	---	---	0.22	0.80	1.65	1.69	0.60	0.74	1.45

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2012, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	---	---	---	---	---	103	112	225	238	81.9	101	204
<b>Max</b>	---	---	---	---	---	103	112	225	238	81.9	101	204
<b>(WY)</b>	(---)	(---)	(---)	(---)	(---)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)
<b>Min</b>	---	---	---	---	---	103	112	225	238	81.9	101	204
<b>(WY)</b>	(---)	(---)	(---)	(---)	(---)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)

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SUMMARY STATISTICS

Water Year 2012	
Annual total	30,163
Annual mean	157
Highest daily mean	1,770 Sep 19
Lowest daily mean	35 Sep 16 <sup>a</sup>
Annual seven-day minimum	40 Sep 11
Maximum peak flow	<sup>b</sup> 5,060 Sep 19
Maximum peak stage	9.50 Sep 19
Instantaneous low flow	34 Sep 16 <sup>c</sup>
Annual runoff (cfsm)	1.00
Annual runoff (inches)	7.15
10 percent exceeds	284
50 percent exceeds	104
90 percent exceeds	54

<sup>a</sup> Also Sep 17.

<sup>b</sup> From rating curve extended above 3,270 ft<sup>3</sup>/s based on straight-line extension.

<sup>c</sup> Also Sep 17, 18.

