



Water-Data Report 2009

## 03091500 MAHONING RIVER AT PRICETOWN, OH

Upper Ohio-Beaver Basin  
Mahoning Subbasin

LOCATION.--Lat 41°07'53", long 80°58'17" referenced to North American Datum of 1927, Mahoning County, OH, Hydrologic Unit 05030103, on left bank 0.3 mi downstream from Milton Dam, 0.5 mi southwest of Pricetown, and 3 mi upstream from Kale Creek.

DRAINAGE AREA.--273 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1929 to current year.

REVISED RECORDS.--WSP 728: 1930(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 905.00 ft NGVD 1912. Prior to Aug. 14, 1929, nonrecording gage at same site and datum.

REMARKS.--Records fair. Flow regulated by Berlin Lake beginning 1942 and Milton Reservoir 1923. Diversion upstream from station from Berlin Lake for part of municipal supply of Mahoning Valley Sanitary District. Water-quality data formerly collected at this site. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,770 ft<sup>3</sup>/s Jan. 25, 1937, gage height, 15.01 ft, from rating curve extended above 4,200 ft<sup>3</sup>/s on basis of velocity-area studies.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	147	129	111	1,040	123	151	49	257	145	320	177	177
2	147	125	194	1,040	122	151	46	258	144	320	177	177
3	147	125	238	1,030	123	124	49	259	142	322	177	177
4	146	123	238	1,030	121	109	49	379	138	321	177	177
5	145	123	238	816	124	110	49	592	135	320	177	177
6	145	123	238	558	123	110	49	674	133	320	177	178
7	145	123	238	368	123	110	48	527	130	316	177	179
8	145	123	238	355	127	119	49	432	128	310	177	179
9	141	123	238	400	202	114	49	433	128	302	177	179
10	139	121	238	400	258	112	49	428	127	273	178	173
11	138	120	235	400	190	429	49	288	126	256	178	170
12	138	120	232	400	150	993	49	182	126	248	179	171
13	138	120	232	263	435	1,250	48	168	125	239	179	171
14	138	108	232	175	775	1,250	49	167	124	228	181	171
15	138	100	232	175	1,100	1,250	56	167	123	213	181	171
16	138	96	304	175	1,330	953	49	168	126	197	181	171
17	136	96	356	175	1,520	702	49	168	138	186	181	171
18	136	96	356	173	1,560	649	50	168	139	182	183	171
19	136	96	359	173	1,560	624	50	170	143	179	186	172
20	136	96	356	173	1,490	490	52	170	150	177	187	171
21	136	95	356	176	1,440	407	51	171	293	177	186	171
22	134	92	571	177	1,440	407	50	151	616	176	186	171
23	132	92	711	170	1,430	251	50	135	774	178	184	172
24	131	92	700	169	1,170	140	50	135	776	175	183	169
25	131	92	700	169	758	101	50	137	773	176	186	168
26	131	92	702	155	387	80	50	138	513	175	186	168
27	131	89	712	145	153	68	126	146	317	175	181	169
28	131	88	908	145	152	57	186	149	316	175	179	157
29	131	88	1,040	145	---	57	187	148	318	175	180	148
30	129	88	1,040	131	---	56	229	147	320	176	177	140
31	129	---	1,040	125	---	52	---	146	---	179	177	---
<b>Total</b>	4,265	3,194	13,583	11,026	18,486	11,476	2,016	7,658	7,686	7,166	5,592	5,116
<b>Mean</b>	138	106	438	356	660	370	67.2	247	256	231	180	171
<b>Max</b>	147	129	1,040	1,040	1,560	1,250	229	674	776	322	187	179
<b>Min</b>	129	88	111	125	121	52	46	135	123	175	177	140

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2009, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	236	238	300	320	343	365	287	290	283	251	255	274
<b>Max</b>	855	957	1,126	1,639	1,211	1,315	867	1,324	983	979	904	1,248
<b>(WY)</b>	(1991)	(2007)	(2008)	(2005)	(1959)	(2008)	(1994)	(1996)	(1947)	(2003)	(1958)	(2004)
<b>Min</b>	61.8	37.9	28.3	47.0	31.4	11.1	10.0	21.5	37.0	41.6	92.9	77.2
<b>(WY)</b>	(1943)	(1966)	(1966)	(1966)	(1967)	(1944)	(1944)	(1943)	(1971)	(1982)	(1942)	(1942)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1942 - 2009	
<b>Annual total</b>	140,366		97,264			
<b>Annual mean</b>	384		266		287	
<b>Highest annual mean</b>					591	2004
<b>Lowest annual mean</b>					131	1966
<b>Highest daily mean</b>	1,980	Mar 22	1,560	Feb 18	3,370	Jun 10, 1947
<b>Lowest daily mean</b>	88	Nov 28	46	Apr 2	0.40	Nov 9, 1941
<b>Annual seven-day minimum</b>	90	Nov 24	48	Apr 1	0.94	Feb 24, 1945
<b>Maximum peak flow</b>			1,580	Feb 17	4,120	Apr 10, 1942
<b>Maximum peak stage</b>			5.86	Feb 17	10.62	Apr 10, 1942
<b>Instantaneous low flow</b>			44	Apr 2	0.40	Nov 9, 1941
<b>10 percent exceeds</b>	1,240		659		714	
<b>50 percent exceeds</b>	175		171		175	
<b>90 percent exceeds</b>	106		91		64	

