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Water-Data Report 2009

**04106320 WEST FORK PORTAGE CREEK NEAR OSHTEMO, MI**

Southeastern Lake Michigan Basin  
Kalamazoo Subbasin

LOCATION.--Lat 42°14'07", long 85°38'54" referenced to North American Datum of 1927, in SE ¼ sec.1, T.3 S., R.12 W., Kalamazoo County, MI, Hydrologic Unit 04050003, on right bank at upstream side of culvert on 12th Street, 2.1 mi southeast of Oshtemo.

DRAINAGE AREA.--13.0 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May 1972 to December 2008 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 868.86 ft above sea level (Kalamazoo County Road Commission bench mark).

REMARKS.--Records good. At times, flow is affected by ground-water withdrawals.

## 04106320 WEST FORK PORTAGE CREEK NEAR OSHTEMO, MI—Continued

**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	6.4	7.0	7.6	---	---	---	---	---	---	---	---	---
2	6.2	6.9	7.7	---	---	---	---	---	---	---	---	---
3	6.0	7.0	7.4	---	---	---	---	---	---	---	---	---
4	5.6	7.0	7.3	---	---	---	---	---	---	---	---	---
5	5.5	7.0	7.0	---	---	---	---	---	---	---	---	---
6	5.5	7.0	6.7	---	---	---	---	---	---	---	---	---
7	5.3	7.1	6.6	---	---	---	---	---	---	---	---	---
8	5.9	7.0	6.5	---	---	---	---	---	---	---	---	---
9	6.4	8.1	7.2	---	---	---	---	---	---	---	---	---
10	6.2	8.0	8.0	---	---	---	---	---	---	---	---	---
11	6.0	7.6	7.5	---	---	---	---	---	---	---	---	---
12	5.6	7.5	7.0	---	---	---	---	---	---	---	---	---
13	5.4	7.4	6.4	---	---	---	---	---	---	---	---	---
14	5.2	7.6	6.7	---	---	---	---	---	---	---	---	---
15	5.4	7.5	8.6	---	---	---	---	---	---	---	---	---
16	6.5	7.5	8.1	---	---	---	---	---	---	---	---	---
17	6.3	7.6	8.1	---	---	---	---	---	---	---	---	---
18	6.1	7.4	7.6	---	---	---	---	---	---	---	---	---
19	5.8	7.1	7.5	---	---	---	---	---	---	---	---	---
20	5.6	7.1	7.6	---	---	---	---	---	---	---	---	---
21	5.6	6.9	7.6	---	---	---	---	---	---	---	---	---
22	5.6	6.9	7.6	---	---	---	---	---	---	---	---	---
23	5.6	6.8	7.4	---	---	---	---	---	---	---	---	---
24	7.1	6.9	7.6	---	---	---	---	---	---	---	---	---
25	8.8	7.4	8.0	---	---	---	---	---	---	---	---	---
26	8.6	7.6	8.0	---	---	---	---	---	---	---	---	---
27	9.2	7.3	10	---	---	---	---	---	---	---	---	---
28	8.6	7.3	13	---	---	---	---	---	---	---	---	---
29	8.0	7.0	12	---	---	---	---	---	---	---	---	---
30	7.5	7.2	11	---	---	---	---	---	---	---	---	---
31	7.2	---	10	---	---	---	---	---	---	---	---	---
<b>Total</b>	198.7	217.7	249.3	---	---	---	---	---	---	---	---	---
<b>Mean</b>	6.41	7.26	8.04	---	---	---	---	---	---	---	---	---
<b>Max</b>	9.2	8.1	13	---	---	---	---	---	---	---	---	---
<b>Min</b>	5.2	6.8	6.4	---	---	---	---	---	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2009, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	5.47	6.44	6.50	6.30	6.21	6.77	6.52	5.47	4.66	4.03	4.35	4.90
<b>Max</b>	9.74	11.0	11.8	9.79	9.63	10.4	11.2	12.5	11.4	10.7	11.8	12.6
<b>(WY)</b>	(1976)	(1986)	(1976)	(1973)	(1976)	(1973)	(1973)	(1973)	(1973)	(1973)	(1975)	(1975)
<b>Min</b>	1.82	2.54	3.35	2.31	2.70	3.17	2.00	2.16	1.13	1.20	0.81	0.84
<b>(WY)</b>	(2000)	(2000)	(2001)	(2004)	(2004)	(2000)	(2004)	(2001)	(1988)	(1988)	(2003)	(2003)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Years 1972 - 2009	
<b>Annual total</b>	2,135.0			
<b>Annual mean</b>	5.83		5.59	
<b>Highest annual mean</b>			10.0	1975
<b>Lowest annual mean</b>			2.82	2000
<b>Highest daily mean</b>	26	Sep 15	35	Dec 6, 1992 <sup>a</sup>
<b>Lowest daily mean</b>	1.7	Aug 3	0.34	Jul 27, 1996 <sup>b</sup>
<b>Annual seven-day minimum</b>	1.9	Jul 30	0.41	Sep 15, 2003
<b>Maximum peak flow</b>			36	Dec 5, 1992 <sup>c</sup>
<b>Maximum peak stage</b>			2.47	Dec 5, 1992
<b>Instantaneous low flow</b>			0.20	Jul 27, 1996
<b>10 percent exceeds</b>	8.1		9.1	
<b>50 percent exceeds</b>	5.8		5.3	
<b>90 percent exceeds</b>	2.5		2.3	

<sup>a</sup> Also occurred Oct. 28, 1994.

<sup>b</sup> Also occurred Sept. 21, 2003.

<sup>c</sup> Also occurred Oct. 28, 1994, Apr. 16, 1995.

