Water-Data Report 2012

04106000 KALAMAZOO RIVER AT COMSTOCK, MI

Southeastern Lake Michigan Basin
Kalamazoo Subbasin

LOCATION.--Lat 42°17′08″, long 85°30′50″ referenced to North American Datum of 1927, in NE ¼ sec.19, T.2 S., R.10 W., Kalamazoo County, MI, Hydrologic Unit 04050003, on left bank at downstream side of bridge on River Street in Comstock, 0.2 mi downstream from Comstock Creek.

DRAINAGE AREA.--1,010 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April to August 1931, October 1932 to December 1979, October 1984 to current year. Monthly discharge only for some periods, published in WSP 1307.

REVISED RECORDS.--WSP 824: 1933-36. WSP 1387: 1933, 1934(M), 1935, 1936(M), 1938(M), 1940(M), 1941.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 756.12 ft above NGVD 29. Prior to Oct. 1, 1987, at datum 3.00 ft higher. Prior to November 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by powerplant 1.2 mi upstream from station. Gage-height telemeter at station.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 04106000, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/04106000.2012.pdf

04106000 KALAMAZOO RIVER AT COMSTOCK, MI—Continued

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

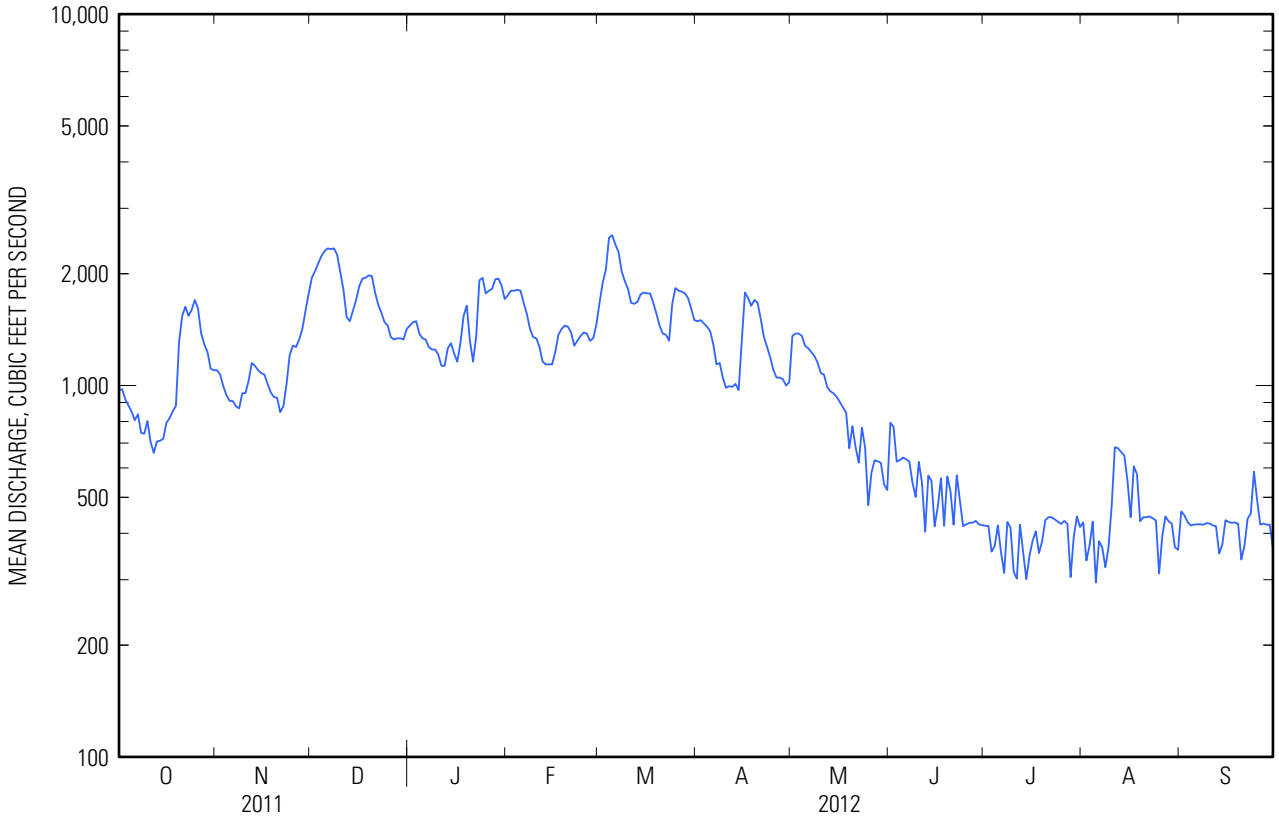
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	974	1,100	1,950	1,450	1,750	1,670	1,490	1,360	794	419	428	458
2	977	1,070	2,030	1,480	1,800	1,890	1,500	1,380	774	419	338	447
3	918	995	2,130	1,490	1,800	2,050	1,470	1,380	624	357	371	429
4	883	941	2,230	1,380	1,810	2,500	1,440	1,360	630	370	430	420
5	850	909	2,300	1,340	1,800	2,540	1,400	1,280	640	420	295	422
6	807	908	2,340	1,330	1,670	2,400	1,290	1,260	633	355	381	423
7	836	879	2,330	1,270	1,560	2,290	1,140	1,230	624	313	367	423
8	745	868	2,340	1,250	1,420	2,030	1,150	1,200	547	429	324	422
9	742	953	2,250	1,250	1,350	1,910	1,050	1,150	501	414	367	426
10	802	954	2,020	1,210	1,340	1,820	986	1,080	623	315	474	425
11	704	1,030	1,810	1,130	1,270	1,670	996	1,070	547	302	682	420
12	659	1,150	1,530	1,130	1,160	1,660	992	992	404	422	678	418
13	707	1,130	1,490	1,260	1,140	1,680	1,010	965	572	355	662	353
14	710	1,100	1,590	1,300	1,140	1,760	972	953	554	301	648	373
15	719	1,080	1,700	1,220	1,140	1,780	1,320	932	418	348	554	434
16	793	1,070	1,850	1,160	1,230	1,770	1,780	903	472	382	442	429
17	817	1,010	1,940	1,300	1,370	1,770	1,720	873	563	405	606	427
18	852	959	1,950	1,540	1,420	1,670	1,640	845	419	354	577	428
19	882	931	1,980	1,640	1,450	1,560	1,700	678	569	381	431	424
20	1,310	927	1,970	1,320	1,440	1,450	1,670	777	520	434	442	340
21	1,540	848	1,780	1,160	1,390	1,380	1,510	682	422	442	442	370
22	1,630	880	1,650	1,360	1,280	1,370	1,350	620	573	442	444	438
23	1,540	1,010	1,570	1,920	1,320	1,320	1,270	770	489	436	439	452
24	1,600	1,210	1,480	1,950	1,360	1,660	1,190	680	418	430	433	586
25	1,700	1,280	1,450	1,770	1,390	1,830	1,100	476	423	424	312	492
26	1,610	1,270	1,350	1,800	1,380	1,800	1,050	582	427	432	393	422
27	1,380	1,330	1,330	1,820	1,320	1,790	1,050	629	427	424	444	425
28	1,290	1,420	1,340	1,930	1,340	1,770	1,040	625	432	305	431	422
29	1,230	1,590	1,340	1,940	1,460	1,720	1,000	619	423	391	425	422
30	1,110	1,770	1,330	1,860	---	1,610	1,020	542	421	444	367	366
31	1,100	---	1,420	1,710	---	1,500	---	523	---	416	361	---
Total	32,417	32,572	55,770	45,670	41,300	55,620	38,296	28,416	15,883	12,081	13,988	12,736
Mean	1,046	1,086	1,799	1,473	1,424	1,794	1,277	917	529	390	451	425
Max	1,700	1,770	2,340	1,950	1,810	2,540	1,780	1,380	794	444	682	586
Min	659	848	1,330	1,130	1,140	1,320	972	476	404	301	295	340
Cfsm	1.04	1.07	1.78	1.46	1.41	1.78	1.26	0.91	0.52	0.39	0.45	0.42
In.	1.19	1.20	2.05	1.68	1.52	2.05	1.41	1.05	0.58	0.44	0.52	0.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	701	814	894	961	1,026	1,401	1,350	1,110	908	691	597	609
Max	1,990	1,652	1,799	1,958	2,048	2,802	3,018	2,484	2,063	1,446	1,217	2,167
(WY)	(1987)	(1993)	(2012)	(1993)	(2001)	(1985)	(1950)	(1943)	(1989)	(1943)	(1994)	(2008)
Min	268	285	347	371	370	461	617	405	302	269	235	278
(WY)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1931)	(1934)	(1934)	(1934)	(1963)

04106000 KALAMAZOO RIVER AT COMSTOCK, MI—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1931 - 2012	
Annual total	473,195		384,749			
Annual mean	1,296		1,051		922	
Highest annual mean					1,406	2009
Lowest annual mean					368	1964
Highest daily mean	4,160	May 30	2,540	Mar 5	6,830	Apr 8, 1947
Lowest daily mean	475	Feb 3	295	Aug 5	185	Aug 7, 1934
Annual seven-day minimum	593	Jan 30	346	Jul 10	217	Aug 1, 1934
Maximum peak flow			2,760	Mar 4	6,910	Apr 8, 1947
Maximum peak stage			6.81	Mar 4	[a]10.94	Apr 8, 1947
Instantaneous low flow			210	Jul 17	106	Dec 24, 1999
Annual runoff (cfsm)	1.28		1.04		0.913	
Annual runoff (inches)	17.43		14.17		12.41	
10 percent exceeds	2,040		1,800		1,580	
50 percent exceeds	1,120		1,020		776	
90 percent exceeds	706		418		423	

[a] Present datum.