Water-Data Report 2012

05365500 CHIPPEWA RIVER AT CHIPPEWA FALLS, WI

Chippewa Basin
Lower Chippewa Subbasin

LOCATION.--Lat 44°55′36″, long 91°24′39″ referenced to North American Datum of 1983, in NE ¼ NE ¼ sec.12, T.28 N., R.9 W., Chippewa County, WI, Hydrologic Unit 07050005, on right bank at Chippewa Falls, 1.0 mi downstream from Duncan Creek.

DRAINAGE AREA.--5,650 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1888 to September 1983, October 1986 to current year. Monthly discharge for some periods published in WSP 1308. Monthly average data was published outside the period of daily data collection. These monthly data are not included in the monthly mean statistics.

REVISED RECORDS.--WSP 785: 1934(M). WSP 1508: 1897, 1905, 1918(M), 1924(M). WDR WI-81-1: Drainage area.

GAGE.--Water-stage recorder and crest stage gage. Datum of gage is 798.50 ft above NAVD of 1988. Prior to January 1914, nonrecording gage, and January 1914 to June 19, 1932, water-stage recorder at site, 1 mi upstream at different datum. June 19, 1932, to current year, water-stage recorder at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Considerable regulation by Moose Lake, Lake Chippewa, Rest Lake, Flambeau Flowage, and Lake Wissota Reservoirs. Diurnal fluctuation caused by hydroelectric plant 1.1 mi upstream. Gage-height telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 26.94 ft occurred Sept. 10, 1884, site and datum in use June 1932.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,080	2,100	2,750	2,100	2,140	2,420	5,380	3,640	5,470	5,810	1,820	1,080
2	1,860	1,790	2,770	2,100	2,140	2,450	5,050	4,290	5,030	3,290	1,850	988
3	1,850	2,180	2,510	2,090	2,140	2,410	4,730	5,890	3,180	2,980	1,840	980
4	1,880	2,820	2,090	2,020	2,150	2,370	4,530	7,770	3,010	3,240	1,680	1,040
5	1,870	2,330	2,080	1,960	2,170	2,310	4,340	7,820	3,170	3,850	1,670	1,110
6	1,870	2,020	2,080	1,970	2,180	2,330	4,600	7,860	3,040	4,340	1,670	1,210
7	1,830	1,780	2,040	1,970	2,160	2,480	4,400	13,200	2,890	2,550	1,670	1,230
8	1,840	2,080	1,970	1,990	2,030	3,810	3,690	18,000	3,050	2,100	1,680	1,190
9	1,860	2,090	1,590	2,090	1,970	5,000	4,040	15,800	3,140	2,390	1,730	1,030
10	1,570	2,000	1,560	2,070	2,010	3,870	4,030	10,300	2,840	2,860	1,580	1,030
11	1,380	2,160	1,400	2,110	1,980	5,920	3,290	7,930	1,850	2,350	1,300	1,040
12	1,490	1,980	1,480	2,110	2,010	10,400	3,160	6,440	1,700	2,120	1,300	1,030
13	3,090	1,880	2,370	2,110	1,900	12,100	3,130	6,540	1,480	2,170	1,320	1,020
14	3,270	1,790	2,530	2,110	1,860	15,200	2,930	5,970	2,050	2,130	1,640	1,030
15	3,710	1,850	3,040	2,100	1,930	26,500	3,090	6,460	3,510	2,130	1,650	1,020
16	4,730	1,850	3,240	2,110	1,920	28,300	3,340	4,940	4,740	2,010	1,500	1,020
17	4,390	1,940	3,220	2,090	1,930	27,900	4,210	3,950	4,740	1,670	1,290	1,030
18	3,500	1,860	3,210	1,960	2,010	26,400	5,750	2,900	5,780	2,450	1,300	1,030
19	2,540	1,330	2,890	1,860	2,050	23,100	6,980	2,330	4,190	3,110	1,310	1,020
20	2,240	1,580	2,420	e1,630	2,040	18,800	10,300	2,310	7,820	2,760	1,390	966
21	2,010	1,770	2,430	e1,630	2,120	13,700	10,900	2,600	11,400	2,120	1,310	958
22	2,010	1,710	2,440	e1,590	2,240	11,900	7,340	2,900	14,500	2,130	1,150	963
23	2,120	1,720	2,380	1,340	2,230	8,850	5,450	2,770	18,000	2,010	1,060	961
24	2,460	1,900	1,860	e1,630	2,280	8,060	4,540	2,720	14,800	2,010	1,080	970
25	2,270	1,830	2,020	e1,800	2,290	10,300	3,870	3,680	10,500	2,050	1,300	1,080
26	2,130	2,690	2,030	e1,850	2,280	9,800	3,800	4,740	10,800	1,910	1,240	1,160
27	2,140	3,640	2,020	e1,890	2,300	5,820	3,820	4,910	8,800	1,660	1,190	1,120
28	2,140	2,760	2,020	e2,020	2,150	4,500	3,190	8,290	7,350	1,840	1,190	1,140
29	2,140	2,840	2,030	2,140	2,120	5,200	3,640	13,000	7,380	1,890	1,190	1,130
30	2,230	2,450	2,080	2,060	---	5,820	3,590	9,290	7,210	1,950	1,170	1,120
31	2,850	---	2,080	2,100	---	5,670	---	5,170	---	1,980	1,140	---
Total	73,350	62,720	70,630	60,600	60,730	313,690	141,110	204,410	183,420	77,860	44,210	31,696
Mean	2,366	2,091	2,278	1,955	2,094	10,120	4,704	6,594	6,114	2,512	1,426	1,057
Max	4,730	3,640	3,240	2,140	2,300	28,300	10,900	18,000	18,000	5,810	1,850	1,230
Min	1,380	1,330	1,400	1,340	1,860	2,310	2,930	2,310	1,480	1,660	1,060	958
In.	0.48	0.41	0.47	0.40	0.40	2.07	0.93	1.35	1.21	0.51	0.29	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1888 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,266	4,393	3,137	2,708	2,812	5,667	11,630	8,385	6,722	4,197	3,428	4,347
Max	15,570	15,990	7,897	5,305	6,569	17,630	28,900	22,700	30,570	13,620	10,110	23,030
(WY)	(1901)	(1992)	(1992)	(1973)	(1969)	(1973)	(1916)	(1903)	(1943)	(1968)	(2010)	(1941)
Min	798	980	1,338	831	937	1,245	2,210	1,688	1,162	1,033	1,124	929
(WY)	(1977)	(1977)	(1977)	(1917)	(1990)	(1909)	(1895)	(1987)	(1988)	(2009)	(1894)	(1976)

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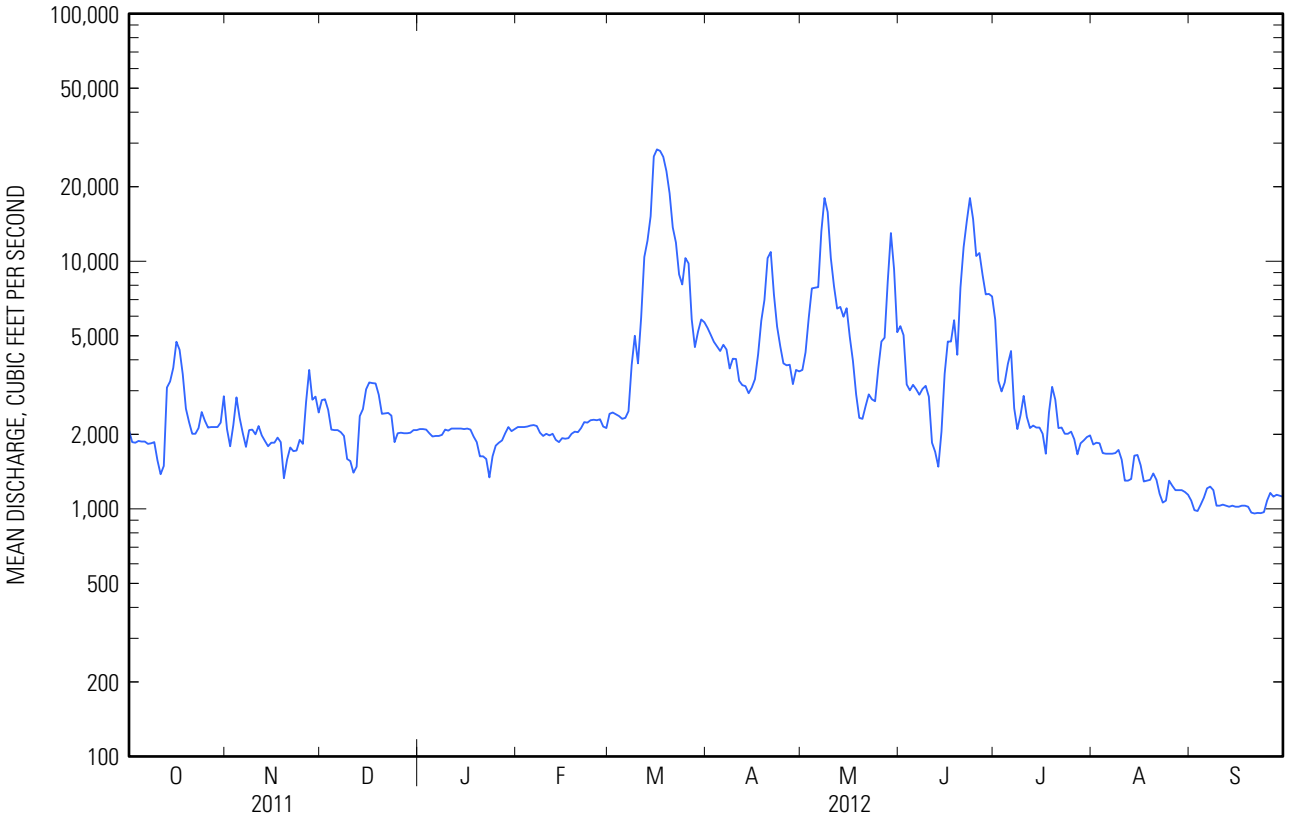
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1888 - 2012	
Annual total	1,969,280		1,324,426			
Annual mean	5,395		3,619		4,974	
Highest annual mean					8,063	1942
Lowest annual mean					2,172	2009
Highest daily mean	36,700	Apr 12	28,300	Mar 16	95,500	Sep 1, 1941
Lowest daily mean	1,330	Nov 19	958	Sep 21	40	Feb 4, 1917
Annual seven-day minimum	1,680	Sep 12	981	Sep 18	308	Jan 29, 1917
Maximum peak flow			29,900	Mar 15	102,000	Sep 1, 1941
Maximum peak stage			13.47	Mar 15	24.80	Sep 1, 1941
Annual runoff (inches)	12.97		8.72		11.96	
10 percent exceeds	11,000		7,500		9,860	
50 percent exceeds	3,300		2,140		3,370	
90 percent exceeds	1,890		1,200		1,320