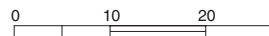


EXPLANATION

- 05341313 Station number
- △ Stream gage
- ▽ Surface water-quality
- ⚡ Stream gage equipped with telephone or data collection platform
- ⚡ Crest-stage partial-record station



Base from U.S. Geological Survey 1:100,000 digital data; modified by Wisconsin Department of Natural Resources. Wisconsin Transverse Mercator projection.

ST. CROIX RIVER BASIN

ST. CROIX RIVER BASIN

05332500 NAMEKAGON RIVER NEAR TREGO, WI

351

LOCATION.--Lat 45°56'53", long 91°53'17", in NW 1/4 SW 1/4 sec.17, T.40 N., R.12 W., Washburn County, Hydrologic Unit 07030002, at powerplant of Northern States Power Co., 4.0 mi downstream from Potato Creek, and 4.4 mi northwest of Trego.

DRAINAGE AREA.--488 mi².

PERIOD OF RECORD.--October 1927 to September 1970. October 1987 to current year.

REVISED RECORD.--WDR WI-88-1: Drainage area.

GAGE.--Headwater and tailwater read hourly.

REMARKS.--Diurnal fluctuation caused by Trego powerplant.

COOPERATION.--Records of daily discharge furnished by Northern States Power Company and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	550	370	375	315	400	960	700	1,300	430	600	380
2	350	550	370	375	315	400	960	700	1,200	430	600	380
3	350	420	370	375	315	400	960	640	1,200	430	400	380
4	350	420	370	375	315	400	960	600	910	430	400	380
5	350	420	370	310	315	400	659	600	910	430	400	380
6	350	360	370	310	315	400	660	600	910	430	375	380
7	350	360	370	310	315	400	660	540	870	430	375	380
8	350	360	370	310	315	400	640	540	870	480	375	380
9	350	360	375	310	315	400	640	540	870	480	375	380
10	350	360	375	310	350	400	640	560	870	480	375	440
11	350	360	375	310	350	400	640	560	870	520	375	440
12	350	360	375	360	330	300	640	560	870	500	375	440
13	690	360	375	360	330	300	620	560	870	500	375	440
14	690	250	375	360	330	300	620	660	820	430	375	440
15	690	250	375	360	330	300	620	660	820	430	375	440
16	690	250	375	360	330	340	560	660	820	398	380	460
17	350	250	375	360	330	340	560	660	820	398	380	460
18	350	375	375	360	330	400	560	660	600	665	380	460
19	350	375	375	330	330	400	1,050	660	600	590	380	460
20	350	375	375	330	330	400	1,550	660	600	430	380	440
21	350	375	375	330	330	400	1,550	860	500	430	380	375
22	350	375	375	330	330	400	1,550	860	500	430	380	410
23	350	375	375	330	350	400	1,050	860	480	390	380	410
24	350	375	375	330	350	400	1,050	860	480	390	360	410
25	350	325	375	330	350	400	1,050	860	480	390	360	410
26	350	375	375	330	350	500	940	920	480	360	380	410
27	320	375	375	315	350	500	940	760	480	360	380	380
28	320	375	375	315	350	850	1,000	760	480	310	380	380
29	320	480	375	315	350	1,330	1,000	760	430	310	380	380
30	275	480	375	315	---	1,100	700	760	430	600	380	380
31	550	---	375	315	---	960	---	760	---	600	380	---
TOTAL	12,235	11,275	11,585	10,405	9,615	14,720	25,989	21,340	22,340	13,881	12,190	12,285
MEAN	395	376	374	336	332	475	866	688	745	448	393	410
MAX	690	550	375	375	350	1,330	1,550	920	1,300	665	600	460
MIN	275	250	370	310	315	300	560	540	430	310	360	375
CFSM	0.81	0.77	0.77	0.69	0.68	0.97	1.78	1.41	1.53	0.92	0.81	0.84
IN.	0.93	0.86	0.88	0.79	0.73	1.12	1.98	1.63	1.70	1.06	0.93	0.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

	2003	1997	2002	1969	1969	1945	2001	1950	1944	1958	1999	1941
MEAN	447	446	390	354	349	445	734	651	562	495	420	474
MAX	909	814	581	531	512	778	1,827	1,156	1,093	1,026	728	1,834
(WY)	(2003)	(1997)	(2002)	(1969)	(1969)	(1945)	(2001)	(1950)	(1944)	(1958)	(1999)	(1941)
MIN	252	288	251	245	241	282	408	389	276	235	195	214
(WY)	(1949)	(1934)	(1933)	(1933)	(1933)	(1934)	(1931)	(1934)	(1934)	(1934)	(1933)	(1933)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1928 - 2004
ANNUAL TOTAL	175,474	177,860	
ANNUAL MEAN	481	486	481
HIGHEST ANNUAL MEAN			654
LOWEST ANNUAL MEAN			300
HIGHEST DAILY MEAN	1,530	May 13	5,200
LOWEST DAILY MEAN	250	Nov 14-17	113
ANNUAL SEVEN-DAY MINIMUM	286	Sep 8	159
ANNUAL RUNOFF (CFSM)	0.985	0.996	0.985
ANNUAL RUNOFF (INCHES)	13.38	13.56	13.38
10 PERCENT EXCEEDS	710	860	738
50 PERCENT EXCEEDS	380	380	419
90 PERCENT EXCEEDS	320	328	288

(a) Also occurred Sept. 7, 1930

05333500 ST. CROIX RIVER NEAR DANBURY, WI

LOCATION.--Lat 46°04'30", long 92°14'50", in NW ¼ SE ¼ sec.33, T.42 N., R.15 W., Burnett County, Hydrologic Unit 07030001, St. Croix National Scenic Waterway, on left bank at downstream side of bridge on State Highway 35, 3.5 mi downstream from Namekagon River, 10 mi northeast of Danbury, and at mile 129.2.

DRAINAGE AREA.--1,580 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1914 to September 1981, October 1984 to current year. Prior to October 1933, published as "at Swiss".

REVISED RECORDS.--WSP 1438: 1915(M), 1919-20, 1923-24(M), 1927(M), 1931(M), 1934, 1935-37(M). WSP 1628: 1918. WDR WI-85-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 882.21 ft above NGVD of 1929. Prior to Apr. 23, 1937, nonrecording gage 40 ft downstream at same datum. Apr. 23, 1937, to Jan. 5, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair (see page 11). Gage-height telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	799	1,120	e940	e800	e700	e920	3,240	1,900	3,420	1,030	1,500	1,050
2	792	1,010	e940	e780	e700	e960	2,950	1,880	3,670	1,000	1,320	1,030
3	785	992	e940	e760	e700	e960	2,430	1,670	3,460	961	1,170	948
4	783	1,000	e940	e760	e700	e920	2,550	1,510	3,170	998	1,050	977
5	785	987	e940	e740	e700	e920	2,390	1,470	2,640	1,030	956	993
6	784	e920	e960	e720	e700	e920	2,040	1,440	2,530	1,010	919	1,420
7	767	e840	e960	e740	e700	e920	2,000	1,390	2,390	1,030	903	1,510
8	799	e780	e960	e740	e700	e920	2,090	1,320	2,460	1,020	1,170	1,350
9	784	e800	e900	e760	e720	e920	1,890	1,240	2,270	999	1,360	1,260
10	784	e820	e900	e780	e720	e920	1,700	1,240	2,090	957	1,460	1,230
11	799	953	e920	e800	e740	e900	1,580	1,230	1,820	1,050	1,510	1,200
12	873	960	e920	e800	e740	e880	1,490	1,210	1,840	1,280	1,490	1,160
13	892	e900	e900	e780	e760	e880	1,490	1,180	1,790	1,280	1,370	1,100
14	854	e880	e900	e760	e760	e860	1,460	1,280	1,710	1,230	1,300	1,060
15	834	e900	e900	e760	e720	e920	1,440	1,300	1,650	1,120	1,210	1,190
16	821	e940	e900	e740	e740	e940	1,390	1,260	1,650	995	1,170	1,360
17	804	959	e900	e740	e760	e960	1,280	1,580	1,580	934	1,140	1,350
18	801	961	e900	e720	e780	e980	1,500	2,100	1,480	900	1,100	1,250
19	795	957	e900	e720	e800	e980	2,530	2,080	1,310	1,210	1,040	1,260
20	797	956	e900	e720	e800	e980	3,080	2,020	1,260	1,590	972	1,220
21	774	963	e880	e720	e820	e1,000	3,720	2,080	1,210	1,410	951	1,190
22	782	947	e860	e720	e820	e1,000	4,030	2,020	1,170	1,220	941	1,170
23	793	961	e840	e720	e860	1,050	3,770	1,800	1,110	1,100	895	1,140
24	800	e860	e820	e720	e860	1,010	3,460	2,000	1,100	1,020	871	1,150
25	800	e780	e800	e720	e840	1,050	3,220	1,990	1,130	896	857	1,160
26	786	e860	e800	e720	e800	1,190	3,080	1,820	1,090	848	926	1,130
27	792	e920	e800	e700	e800	1,500	2,800	2,170	1,080	825	991	1,090
28	841	e920	e800	e700	e800	1,990	2,120	2,170	1,070	819	1,000	1,050
29	904	e960	e800	e680	e840	2,670	1,990	2,120	1,040	1,230	1,040	1,020
30	996	e1,000	e800	e680	---	3,160	1,920	2,140	1,010	1,350	1,070	1,000
31	1,030	---	e780	e700	---	3,240	---	2,790	---	1,460	1,040	---
TOTAL	25,430	27,806	27,400	22,900	22,080	37,420	70,630	53,400	55,200	33,802	34,692	35,018
MEAN	820	927	884	739	761	1,207	2,354	1,723	1,840	1,090	1,119	1,167
MAX	1,030	1,120	960	800	860	3,240	4,030	2,790	3,670	1,590	1,510	1,510
MIN	767	780	780	680	700	860	1,280	1,180	1,010	819	857	948
CFSM	0.52	0.59	0.56	0.47	0.48	0.76	1.49	1.09	1.16	0.69	0.71	0.74
IN.	0.60	0.65	0.65	0.54	0.52	0.88	1.66	1.26	1.30	0.80	0.82	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	1,187	1,210	1,020	906	903	1,333	2,376	1,845	1,514	1,297	1,072	1,201
MAX	2,489	2,216	1,910	1,555	1,518	2,930	4,944	4,023	3,797	3,230	2,223	4,759
(WY)	(1969)	(1997)	(1992)	(1997)	(1997)	(1973)	(2001)	(1950)	(1944)	(1958)	(1955)	(1941)
MIN	590	631	551	600	535	703	939	889	626	514	432	564
(WY)	(1933)	(1926)	(1933)	(1924)	(1936)	(1934)	(1931)	(1931)	(1934)	(1934)	(1934)	(1933)

ST. CROIX RIVER BASIN

05333500 ST. CROIX RIVER NEAR DANBURY, WI—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	441,190		445,778		1,321	
ANNUAL MEAN	1,209		1,218		1,982	
HIGHEST ANNUAL MEAN					795	
LOWEST ANNUAL MEAN					1934	
HIGHEST DAILY MEAN	4,690	May 12	4,030	Apr 22	10,600	Apr 24, 2001
LOWEST DAILY MEAN	593	Sep 10	(a)680	Jan 29, 30	405	(b)Aug 6, 1934
ANNUAL SEVEN-DAY MINIMUM	635	Sep 6	(a)694	Jan 27	417	Aug 12, 1934
MAXIMUM PEAK FLOW			(c)4,100	Apr 22	11,000	Apr 24, 2001
MAXIMUM PEAK STAGE			(a)4.74	Dec 4	8.72	Apr 24, 2001
INSTANTANEOUS LOW FLOW			(a)		393	Aug 6, 13, 1934
ANNUAL RUNOFF (CFSM)	0.765		0.771		0.836	
ANNUAL RUNOFF (INCHES)	10.39		10.50		11.36	
10 PERCENT EXCEEDS	2,060		2,080		2,180	
50 PERCENT EXCEEDS	904		980		1,080	
90 PERCENT EXCEEDS	765		760		730	

(a) Ice affected

(b) Also occurred Aug. 13, 16, 17, 1934

(c) Gage height, 4.03 ft

(e) Estimated due to ice effect or missing record

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1995 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April to September 1997, December 1999 to current year.

INSTRUMENTATION.--Continuous water temperature recorder April to September 1997 and December 1999 to current year.

REMARKS.--Records represent water temperature at sensor within 0.5°C.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum temperature, 30.5°C, Aug. 6, 2001; minimum, 0.0°C on many days.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum temperature, 27.5°C, July 21; minimum 0.0° on many days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.5	7.0	8.5	5.0	4.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
2	9.0	6.0	7.5	4.5	3.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
3	10.0	8.0	9.0	4.0	2.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
4	10.5	8.0	9.5	3.0	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
5	10.5	7.5	9.0	3.0	1.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
6	11.5	8.0	9.5	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
7	12.5	9.0	11.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	14.5	10.5	12.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	16.0	13.0	14.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10	16.0	14.0	15.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
11	15.0	13.0	14.5	4.0	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
12	13.5	11.0	12.5	3.0	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
13	13.0	11.0	12.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
14	12.0	10.0	11.0	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
15	10.5	9.0	9.5	3.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
16	9.0	7.0	8.0	4.0	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
17	9.5	7.0	8.5	4.5	3.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
18	11.0	8.0	9.5	5.5	4.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0
19	11.5	9.0	10.5	4.5	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
20	12.5	9.5	11.0	3.5	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
21	11.5	10.0	11.0	2.5	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
22	10.0	7.5	9.0	1.5	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
23	9.0	7.5	8.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
24	8.5	7.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	7.5	6.0	7.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	6.5	5.5	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	6.5	5.0	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	5.5	5.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	6.0	5.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	6.0	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	6.0	5.0	5.5	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	16.0	5.0	9.3	5.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0

05340500 ST. CROIX RIVER AT ST. CROIX FALLS, WI

LOCATION.--Lat 45°24'25", long 92°38'49", in SW ¼ NW ¼ sec.30, T.34 N., R.18 W., Polk County, Hydrologic Unit 07030005, St. Croix National Scenic Riverway, on left bank, 1,500 ft downstream from powerplant of Northern States Power Co., in St. Croix Falls, and at mile 52.2.

DRAINAGE AREA.--6,240 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1902 to current year. Prior to January 1910, monthly discharge only, published in WSP 1308. Prior to October 1939, published as "near St. Croix Falls."

REVISED RECORDS.--WSP 1115: 1929. WDR WI-82-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 689.94 ft above NGVD of 1929. Prior to July 1905, gage heights and discharge measurements were used by Loweth and Wolff, consulting engineers of St. Paul, Minn., to determine the flow. July 1905 to February 1940, records were computed from power generation at the St. Croix Falls Powerplant. February 1940 to Sept. 30, 1979, water-stage recorder at site 300 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair (see page 11). Diurnal fluctuation caused by St. Croix Falls Powerplant 1,500 ft upstream. Gage-height telemeter and data-collection platform at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,550	3,120	2,910	2,540	2,050	2,660	14,000	7,220	16,900	3,220	3,570	3,010
2	2,370	3,420	2,860	2,840	2,090	2,790	13,400	6,850	20,400	2,960	3,680	2,800
3	2,400	3,300	2,470	2,510	2,200	2,990	12,700	6,460	21,400	2,980	3,760	2,620
4	2,470	3,170	2,710	2,570	2,020	2,870	11,700	6,360	19,900	2,980	3,560	2,300
5	2,430	3,330	3,080	2,690	2,270	3,170	10,900	4,930	17,500	2,910	3,200	2,610
6	2,220	3,140	3,070	2,220	2,240	3,100	10,100	4,930	16,000	3,230	2,710	3,450
7	2,320	2,970	2,950	1,970	2,230	3,090	9,280	4,810	15,200	3,170	2,490	3,840
8	2,330	2,160	2,960	1,880	2,130	3,010	8,350	4,750	14,500	3,260	3,040	4,320
9	2,310	1,920	3,100	1,890	2,320	3,030	8,030	4,170	13,500	3,170	2,990	4,340
10	2,290	3,210	2,370	1,920	2,350	3,030	7,530	4,490	12,100	2,990	3,660	4,390
11	2,610	3,990	2,100	2,130	2,310	3,060	6,860	4,200	10,900	3,280	4,080	4,220
12	2,430	3,270	1,780	2,130	2,240	3,030	6,380	4,260	10,100	3,410	4,220	3,790
13	2,610	2,900	1,770	2,240	2,310	3,010	5,940	4,280	9,560	4,410	4,140	3,520
14	2,870	3,110	2,020	2,300	2,300	3,040	5,740	4,210	9,080	4,780	3,990	4,040
15	2,620	2,880	2,170	2,170	e2,200	2,890	5,460	4,170	8,320	4,750	3,560	3,950
16	2,310	3,000	2,680	2,410	2,050	2,670	5,240	4,030	7,820	4,480	3,550	4,260
17	2,720	2,830	2,700	2,210	2,360	2,920	4,910	5,080	7,450	4,010	3,440	4,340
18	2,360	3,410	2,690	2,220	2,180	2,970	4,790	6,420	6,960	3,650	3,040	4,510
19	2,280	3,040	2,870	2,160	2,330	2,980	6,290	7,640	6,450	3,150	2,880	4,550
20	2,830	3,240	2,510	2,090	2,430	3,340	8,060	8,170	5,800	2,790	2,830	4,190
21	2,200	3,170	2,500	2,020	2,350	3,540	9,410	7,600	5,540	3,770	2,820	4,240
22	2,400	3,080	2,710	2,070	2,280	3,500	10,700	7,530	4,720	3,740	2,400	4,210
23	2,420	3,100	2,610	2,090	2,450	3,530	12,300	7,360	4,390	3,410	2,200	4,440
24	2,530	1,880	2,570	2,070	2,410	4,060	12,200	7,660	4,390	2,970	2,330	4,620
25	2,620	1,830	2,540	1,820	2,400	4,690	11,400	7,570	4,100	2,620	2,330	4,790
26	2,510	2,220	2,550	2,090	2,330	5,140	10,600	7,610	3,840	2,740	2,890	4,870
27	2,500	2,680	2,610	2,070	2,350	5,820	10,000	9,220	3,850	2,580	2,850	4,810
28	3,080	3,270	3,130	2,200	2,470	8,710	9,550	10,300	3,770	2,570	2,760	4,590
29	2,760	3,180	2,730	e2,200	2,460	10,000	8,480	10,800	3,580	2,400	3,000	4,340
30	2,740	3,040	2,780	e2,000	---	12,400	7,800	10,200	3,450	2,770	2,940	3,920
31	3,180	---	2,850	2,090	---	14,100	---	12,600	---	3,460	2,790	---
TOTAL	78,270	88,860	81,350	67,810	66,110	135,140	268,100	205,880	291,470	102,610	97,700	119,880
MEAN	2,525	2,962	2,624	2,187	2,280	4,359	8,937	6,641	9,716	3,310	3,152	3,996
MAX	3,180	3,990	3,130	2,840	2,470	14,100	14,000	12,600	21,400	4,780	4,220	4,870
MIN	2,200	1,830	1,770	1,820	2,020	2,660	4,790	4,030	3,450	2,400	2,200	2,300
CFSM	0.40	0.47	0.42	0.35	0.37	0.70	1.43	1.06	1.56	0.53	0.51	0.64
IN.	0.47	0.53	0.48	0.40	0.39	0.81	1.60	1.23	1.74	0.61	0.58	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2004, BY WATER YEAR (WY)

MEAN	3,763	3,501	2,604	2,197	2,171	4,233	10,317	7,538	5,771	4,205	2,944	3,506
MAX	14,270	11,910	5,821	4,279	6,021	14,420	29,600	21,840	19,510	17,260	9,777	14,590
(WY)	(1969)	(1972)	(1984)	(1984)	(1984)	(1945)	(2001)	(1950)	(1944)	(1952)	(1955)	(1941)
MIN	1,380	1,342	1,288	1,157	1,257	1,538	2,212	2,430	1,481	1,014	839	1,152
(WY)	(1933)	(1911)	(1911)	(1911)	(1913)	(1912)	(1902)	(1934)	(1934)	(1934)	(1934)	(1933)

ST. CROIX RIVER BASIN

05340500 ST. CROIX RIVER AT ST. CROIX FALLS, WI—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1902 - 2004	
ANNUAL TOTAL	1,765,370		1,603,180		4,408	
ANNUAL MEAN	4,837		4,380		8,569	
HIGHEST ANNUAL MEAN					1,754	
LOWEST ANNUAL MEAN					1986	
HIGHEST DAILY MEAN	22,200	May 13	21,400	Jun 3	59,500	Apr 26, 2001
LOWEST DAILY MEAN	1,690	Sep 11	1,770	Dec 13	75	Jul 17, 1910
ANNUAL SEVEN-DAY MINIMUM	1,760	Sep 5	2,020	Jan 6	754	Jul 29, 1934
MAXIMUM PEAK FLOW			21,700	Jun 2	60,900	Apr 25, 2001
MAXIMUM PEAK STAGE			10.79	Jun 2	25.88	Apr 25, 2001
ANNUAL RUNOFF (CFSM)	0.775		0.702		0.706	
ANNUAL RUNOFF (INCHES)	10.52		9.56		9.59	
10 PERCENT EXCEEDS	11,400		9,120		8,990	
50 PERCENT EXCEEDS	2,930		3,080		2,810	
90 PERCENT EXCEEDS	2,090		2,200		1,580	

(e) Estimated due to ice effect or missing record

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: January 2000 to current year.

INSTRUMENTATION.--Water temperature recorder since January 21, 2000, provides 15-minute readings.

REMARKS.--Records represent water temperature at sensor, within 0.5°C, located near the orifice.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 30.5°C, Aug. 7-9, 2001; minimum 0.0°C on many days.

EXTREMES FOR CURRENT PERIOD.--

WATER TEMPERATURE: Maximum, 28.5°C, July 22; minimum 0.0°C on many days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	9.0	9.5	5.5	4.5	5.0	0.5	0.0	0.0	0.5	0.0	0.0
2	10.0	8.5	9.0	5.5	4.0	5.0	0.5	0.0	0.0	0.5	0.0	0.0
3	10.0	8.5	9.0	5.0	3.5	4.0	0.5	0.0	0.0	0.5	0.0	0.0
4	10.5	8.0	9.5	4.0	3.0	3.5	0.5	0.0	0.0	0.5	0.0	0.0
5	11.0	9.0	10.0	3.5	1.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0
6	12.0	10.0	11.0	2.5	1.0	2.0	0.5	0.0	0.0	0.5	0.0	0.0
7	13.0	10.5	11.5	1.5	0.0	1.0	0.5	0.0	0.0	0.5	0.0	0.0
8	13.5	11.5	12.5	1.0	0.0	0.5	0.5	0.0	0.0	0.5	0.0	0.0
9	15.0	12.5	14.0	1.5	0.0	0.5	0.5	0.0	0.0	0.5	0.0	0.0
10	16.5	14.0	15.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
11	17.0	15.5	16.0	1.0	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0
12	17.0	15.0	16.0	0.5	0.0	0.5	0.5	0.0	0.0	0.5	0.0	0.0
13	15.5	13.5	15.0	1.0	0.0	0.5	0.5	0.0	0.0	0.5	0.0	0.0
14	14.5	12.5	13.5	1.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
15	13.5	11.0	12.5	2.0	0.5	1.0	0.0	0.0	0.0	0.5	0.0	0.0
16	12.5	10.0	11.5	2.5	1.5	2.0	0.0	0.0	0.0	0.5	0.0	0.0
17	11.0	9.5	10.5	4.5	2.5	3.0	0.0	0.0	0.0	0.5	0.0	0.0
18	11.5	9.5	10.0	5.0	3.0	4.0	0.5	0.0	0.0	0.5	0.0	0.0
19	11.5	9.5	10.0	5.5	4.5	5.0	0.0	0.0	0.0	0.5	0.0	0.0
20	12.0	10.0	11.0	5.5	4.5	5.0	0.5	0.0	0.0	0.5	0.0	0.0
21	12.5	10.5	11.5	4.5	3.5	4.0	0.5	0.0	0.0	0.5	0.0	0.0
22	12.5	11.0	11.5	3.5	2.0	3.0	0.5	0.0	0.0	0.5	0.0	0.0
23	12.0	10.0	11.0	2.5	0.0	1.5	0.0	0.0	0.0	0.5	0.0	0.0
24	11.0	9.0	10.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
25	10.0	8.5	9.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
26	9.0	7.0	8.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
27	7.5	6.0	7.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
28	7.0	5.5	6.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
29	6.0	5.0	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	6.0	5.0	5.5	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
31	5.5	4.5	5.0	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	17.0	4.5	10.6	5.5	0.0	1.9	0.5	0.0	0.0	0.5	0.0	0.0

ST. CROIX RIVER BASIN

05341500 APPLE RIVER NEAR SOMERSET, WI

LOCATION.--Lat 45°09'27", long 92°42'59", in NE ¼ SE ¼ sec.21, T.31 N., R.19 W., St. Croix County, Hydrologic Unit 07030005, at powerplant of Northern States Power Co., 3.5 mi downstream from Somerset.

DRAINAGE AREA.--579 mi².

PERIOD OF RECORD.--January 1901 to June 1914 (monthly discharge only), July 1914 to September 1970, October 1986 to current year.

REVISED RECORDS.--WSP 1388: 1929, 1933. WDR-87-1: Drainage area.

GAGE.--Headwater and tailwater gages read hourly.

REMARKS.--Records of daily discharge computed on the basis of gate openings, head, and plant efficiency. Flow regulated by many powerplants upstream, but service ponds are small and monthly flows are only slightly affected.

COOPERATION.--Records of daily discharge furnished by Northern States Power Company and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	328	503	406	279	361	373	1,210	499	877	345	283	257
2	335	434	400	423	385	343	1,650	495	902	296	305	277
3	312	416	458	477	373	409	931	507	788	273	324	264
4	314	406	460	299	385	454	781	496	832	357	378	282
5	333	405	401	240	358	419	795	486	877	364	302	274
6	336	408	397	265	396	455	811	448	832	382	342	462
7	342	359	414	352	397	468	716	449	839	363	450	510
8	312	365	414	326	396	407	647	444	877	370	377	394
9	267	439	400	385	373	441	497	423	740	380	247	418
10	285	463	421	388	381	491	452	431	832	376	227	379
11	263	445	300	391	383	409	470	439	723	416	242	410
12	317	419	229	401	391	376	485	382	760	398	341	382
13	378	460	387	389	384	491	485	360	710	419	320	317
14	336	504	399	385	384	429	498	312	562	344	215	289
15	401	409	452	366	361	463	570	318	562	299	187	287
16	399	454	414	387	352	419	418	460	562	334	265	477
17	334	465	402	388	400	418	442	469	567	300	243	538
18	438	432	419	375	385	400	439	557	643	233	286	496
19	602	468	394	286	387	441	479	518	571	220	354	547
20	364	472	347	329	396	432	473	470	391	210	289	490
21	407	442	395	389	385	425	638	470	516	244	213	442
22	343	409	395	363	385	356	669	470	462	273	192	480
23	333	505	354	359	377	385	638	562	547	253	231	409
24	318	398	359	325	371	389	655	637	425	215	193	415
25	309	356	305	376	375	530	685	812	378	243	184	397
26	334	384	401	370	369	548	564	812	413	243	185	322
27	377	441	479	379	372	865	721	812	376	286	355	349
28	374	320	404	368	373	1,040	560	898	363	271	377	386
29	354	368	411	306	415	1,440	638	941	349	228	286	368
30	452	397	374	327	---	1,390	493	941	375	283	278	336
31	435	---	368	342	---	1,300	---	921	---	279	281	---
TOTAL	11,032	12,746	12,159	11,035	11,050	17,206	19,510	17,239	18,651	9,497	8,752	11,654
MEAN	356	425	392	356	381	555	650	556	622	306	282	388
MAX	602	505	479	477	415	1,440	1,650	941	902	419	450	547
MIN	263	320	229	240	352	343	418	312	349	210	184	257
CFSM	0.61	0.73	0.68	0.61	0.66	0.96	1.12	0.96	1.07	0.53	0.49	0.67
IN.	0.71	0.82	0.78	0.71	0.71	1.11	1.25	1.11	1.20	0.61	0.56	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1901 - 2004, BY WATER YEAR (WY)

MEAN	298	294	259	241	247	390	568	442	395	290	249	299
MAX	811	727	616	519	479	730	1,361	1,069	1030	582	704	808
(WY)	(2003)	(1997)	(1997)	(1997)	(2000)	(1946)	(2001)	(2003)	(1905)	(2003)	(1995)	(1962)
MIN	104	135	123	124	120	151	197	140	81.7	69.9	74.2	89.8
(WY)	(1933)	(1934)	(1934)	(1938)	(1934)	(1934)	(1930)	(1934)	(1934)	(1934)	(1934)	(1933)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1914 - 2004
ANNUAL TOTAL	181,293	160,531	
ANNUAL MEAN	497	439	330
HIGHEST ANNUAL MEAN			563
LOWEST ANNUAL MEAN			144
HIGHEST DAILY MEAN	2,450	1,650	2,650
LOWEST DAILY MEAN	223	184	7.0
ANNUAL SEVEN-DAY MINIMUM	261	212	49
ANNUAL RUNOFF (CFSM)	0.858	0.758	0.57
ANNUAL RUNOFF (INCHES)	11.65	10.31	7.74
10 PERCENT EXCEEDS	747	649	560
50 PERCENT EXCEEDS	409	396	263
90 PERCENT EXCEEDS	305	279	149

(a) Also occurred Sept. 30, 1929, July 19, 1932, and Aug. 2, 3, 1933

ST. CROIX RIVER BASIN

05342000 KINNICKINNIC RIVER NEAR RIVER FALLS, WI

361

LOCATION.--Lat 44°49'51", long 92°43'59", in NE ¼ NW ¼ sec.18, T.27 N., R.19 W., Pierce County, Hydrologic Unit 07030005, on left bank, 50 ft upstream from County Trunk Highway F, 1.9 mi upstream from mouth, 4.8 mi downstream from Lake Louise Dam, and 5.5 mi west of River Falls.

DRAINAGE AREA.--165 mi².

PERIOD OF RECORD.--October 1916 to September 1921 (monthly discharge for some periods published in WSP 1308), October 1998 to September 1999, July 2002 to current year.

REVISED RECORDS.--WSP 1308. WDR WI-99-1: Drainage area. WDR WI-02-1: Statistics table.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 690 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1921, recording gage near present site at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor (see page 11). Gage-height telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	108	108	e80	e95	214	117	105	149	105	113	97
2	110	108	105	e87	e99	441	115	104	138	104	105	96
3	109	111	107	e84	e99	336	115	104	120	106	102	95
4	109	114	107	e81	e97	213	113	103	116	122	101	94
5	108	113	107	e78	e97	165	111	103	118	109	99	113
6	108	110	107	e73	e96	128	115	103	118	109	97	116
7	106	108	108	e78	e99	120	112	101	115	113	100	100
8	106	107	111	e81	e98	113	111	101	112	105	100	91
9	106	107	113	e85	e92	109	109	122	177	106	99	101
10	109	109	111	e92	e91	e100	108	135	167	104	98	97
11	116	111	e110	e92	e91	e100	107	111	142	149	99	95
12	116	114	e100	e92	e91	e100	107	111	148	124	99	96
13	114	110	e100	e91	e89	e100	107	134	130	107	97	94
14	110	108	e100	e91	e88	107	107	138	117	105	96	115
15	109	111	e100	e91	e87	104	106	113	114	104	96	223
16	108	111	e98	e91	e86	106	108	108	110	104	113	150
17	108	113	e96	e91	e88	137	106	119	111	101	105	115
18	108	e130	e95	e84	e88	190	111	112	109	101	100	108
19	108	e120	e94	e80	e91	236	134	107	107	101	98	105
20	109	e110	e94	e76	e95	339	119	118	106	101	96	103
21	109	e110	e94	e78	e94	232	125	123	106	100	95	102
22	110	108	e93	e84	e93	142	122	120	105	99	97	102
23	110	111	e88	e87	e92	132	113	149	106	97	95	103
24	110	109	e82	e88	e93	166	108	148	107	95	96	103
25	109	108	e78	e90	e92	189	130	119	108	96	101	103
26	108	108	e78	e94	e92	200	124	113	107	96	101	101
27	109	108	e78	e95	e93	152	111	140	108	95	97	100
28	111	107	e82	e93	e95	151	111	128	108	99	97	99
29	113	107	e77	e94	e100	138	108	139	107	113	97	99
30	111	108	e78	e91	---	125	107	156	106	103	102	100
31	109	---	e78	e94	---	120	---	175	---	103	97	---
TOTAL	3,395	3,317	2,977	2,686	2,701	5,205	3,397	3,762	3,592	3,276	3,088	3,216
MEAN	110	111	96.0	86.6	93.1	168	113	121	120	106	99.6	107
MAX	116	130	113	95	100	441	134	175	177	149	113	223
MIN	106	107	77	73	86	100	106	101	105	95	95	91
CFSM	0.66	0.67	0.58	0.53	0.56	1.02	0.69	0.74	0.73	0.64	0.60	0.65
IN.	0.77	0.75	0.67	0.61	0.61	1.17	0.77	0.85	0.81	0.74	0.70	0.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	98.0	165	(2003)	65.2	(1918)	99.5	131	(1999)	62.5	(1917)	91.1	119	(2003)	72.9	(1917)
	80.3	108	(2003)	60.0	(1918)	81.7	115	(1999)	55.0	(1918)	213	469	(1919)	87.9	(1921)
	103	135	(2003)	78.8	(1918)	102	166	(2003)	69.1	(1917)	121	167	(1920)	74.3	(1921)
	88.1	133	(2003)	43.5	(1920)	90.2	136	(2002)	27.4	(1920)	88.1	113	(2003)	43.5	(1920)
	88.1	126	(2002)	41.9	(1920)	88.1	126	(2002)	41.9	(1920)	88.1	126	(2002)	41.9	(1920)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1917 - 2004

ANNUAL TOTAL	45,504	40,612	104
ANNUAL MEAN	125	111	133
HIGHEST ANNUAL MEAN			74.3
LOWEST ANNUAL MEAN			1921
HIGHEST DAILY MEAN	1,130	441	2,870
LOWEST DAILY MEAN	(a)77	Dec 29	13
ANNUAL SEVEN-DAY MINIMUM	(a)78	Dec 25	19
MAXIMUM PEAK FLOW		516	(b)4,760
MAXIMUM PEAK STAGE		11.31	(c)7.98
INSTANTANEOUS LOW FLOW		64	11
ANNUAL RUNOFF (CFSM)	0.756	0.672	0.629
ANNUAL RUNOFF (INCHES)	10.26	9.16	8.55
10 PERCENT EXCEEDS	133	133	127
50 PERCENT EXCEEDS	111	107	91
90 PERCENT EXCEEDS	103	91	60

(a) Ice affected (b) From rating curve extended above 1,000 ft³/s, based on contracted-opening measurement of peak flow
(c) Datum then in use (e) Estimated due to ice effect or missing record

05344500 MISSISSIPPI RIVER AT PRESCOTT, WI

LOCATION.--Lat 44°44'45", long 92°48'00", in sec. 9, T.26 N., R.20 W., Pierce County, Hydrologic Unit 07040001, on left bank at Prescott, 200 ft downstream from St. Croix River, 300 ft south of Chicago, Burlington & Quincy Railroad bridge, 800 ft south of bridge on U.S. Highway 10, and at mile 811.4 upstream from Ohio River.

DRAINAGE AREA.--44,800 mi² (approximately).

PERIOD OF RECORD.--June 1928 to current year.

REVISED RECORDS.--WSP 1508: 1941. WRD MN-74: 1973.

GAGE.--Water-stage recorder. Datum of gage is 649.50 ft above sea level (NGVD of 1929). Prior to Aug. 2, 1932, nonrecording gage at railroad bridge 300 ft upstream at following datums: June 3, 1928 to Sept. 30, 1929, 19.27 ft higher; Oct. 1, 1929 to Sept. 30, 1930, 17.68 ft higher; Oct. 1, 1930 to Aug. 1, 1932, 19.28 ft higher. Aug. 2, 1932 to Oct. 30, 1938, water-stage recorder at present site at datum 19.28 ft higher; Nov. 1, 1938 to Sept. 7, 1971, water-stage recorder at present site at datum 50.00 ft lower. Auxiliary water-stage recorder 10.7 mi downstream from base gage is used in discharge computations.

REMARKS.--Records good except for those determined by flow routing, which are estimated and rated fair to poor. Discharges below a stage of about 27 ft may be computed by routing flows from the Mississippi River at St. Paul (05331000) and St. Croix River at St. Croix Falls, WI (05340500). In the 2004 water year, discharges for the periods Oct. 1 to Mar. 24, May 5-16, and July 24 to Sep. 13 were obtained by routing. Some regulation by reservoirs, navigation dams, and power plants at low and medium stages.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6,810	e7,750	e7,850	e7,820	e5,590	e6,790	30,700	20,900	41,700	19,800	e12,300	e8,630
2	e6,920	e8,050	e7,970	e7,160	e5,650	e7,160	31,400	19,200	46,600	16,700	e12,300	e8,720
3	e6,390	e8,560	e8,230	e7,250	e5,910	e7,430	31,200	17,800	51,300	16,500	e11,900	e8,760
4	e6,600	e8,430	e7,930	e7,180	e5,950	e7,950	30,700	17,400	55,100	16,300	e11,600	e8,370
5	e6,500	e8,000	e8,130	e7,160	e5,540	e7,960	29,600	e16,600	57,400	15,500	e12,000	e7,530
6	e6,550	e8,540	e8,520	e6,900	e5,940	e8,460	28,500	e14,900	58,300	16,200	e11,400	e7,720
7	e6,240	e8,320	e8,340	e6,140	e6,160	e8,590	27,600	e14,500	57,600	18,700	e11,000	e9,290
8	e6,190	e8,310	e8,600	e5,710	e6,240	e8,670	26,300	e14,100	57,400	19,000	e11,200	e10,300
9	e6,230	e7,050	e8,380	e5,730	e6,120	e8,770	24,100	e14,000	57,400	18,900	e12,600	e12,100
10	e6,210	e6,300	e8,410	e6,220	e6,200	e8,380	23,000	e12,700	56,700	20,000	e12,800	e12,300
11	e6,190	e7,490	e7,870	e6,360	e6,270	e9,000	22,400	e12,800	55,300	22,300	e13,100	e11,500
12	e6,610	e8,380	e6,970	e6,720	e6,300	e8,870	21,200	e12,100	55,300	24,000	e13,100	e12,000
13	e6,410	e7,470	e4,830	e6,950	e6,250	e8,980	19,500	e12,500	55,400	25,200	e13,000	e12,100
14	e6,900	e7,710	e4,900	e6,970	e6,350	e9,000	18,800	e11,800	55,900	26,400	e12,400	14,700
15	e6,980	e8,530	e5,590	e6,680	e6,350	e10,700	18,500	e12,100	55,900	27,500	e11,900	17,700
16	e6,950	e8,260	e6,830	e6,430	e6,230	e11,700	18,600	e11,600	56,200	28,100	e11,400	17,100
17	e6,530	e8,310	e8,050	e6,650	e5,880	e11,400	17,600	14,500	55,800	27,800	e11,100	16,000
18	e6,360	e7,850	e8,010	e6,510	e6,280	e12,000	16,200	16,400	54,800	26,400	e10,500	20,900
19	e5,970	e8,690	e7,300	e6,560	e6,100	e12,100	19,100	17,600	53,000	24,400	e9,780	24,400
20	e6,900	e8,700	e7,660	e5,950	e6,310	e11,300	18,800	19,300	51,100	22,000	e9,630	26,400
21	e7,260	e8,930	e7,300	e5,450	e6,610	e13,000	20,400	20,200	49,300	19,100	e9,640	28,100
22	e7,090	e8,880	e7,460	e5,610	e6,430	e13,600	23,000	21,400	46,400	18,000	e9,500	29,100
23	e7,250	e8,800	e7,860	e5,710	e6,190	e13,800	23,800	22,500	43,100	17,200	e9,180	30,200
24	e6,900	e8,730	e7,780	e5,850	e6,360	e14,200	25,600	24,200	40,000	e16,200	e8,560	31,700
25	e6,700	e7,260	e7,740	e5,920	e6,490	15,300	26,900	26,700	36,900	e15,200	e8,380	32,600
26	e6,840	e6,840	e7,440	e5,770	e6,440	17,600	27,200	28,800	33,500	e14,400	e8,430	32,700
27	e6,480	e6,600	e7,430	e6,200	e6,340	19,600	25,700	30,000	30,600	e14,600	e8,630	32,700
28	e6,850	e6,660	e7,720	e6,170	e6,430	20,900	24,800	32,100	28,100	e13,600	e9,190	32,300
29	e7,500	e7,330	e8,370	e6,440	e6,580	24,700	24,000	34,300	24,300	e13,100	e9,570	31,200
30	e7,150	e7,190	e8,200	e6,160	---	28,200	22,400	36,300	22,200	e12,400	e9,360	29,800
31	e7,440	---	e8,180	e5,570	---	29,500	---	38,800	---	e12,300	e8,870	---
TOTAL	207,900	237,920	235,850	197,900	179,490	395,610	717,600	618,100	1,442,600	597,800	334,320	576,920
MEAN	6,706	7,931	7,608	6,384	6,189	12,760	23,920	19,940	48,090	19,280	10,780	19,230
MAX	7,500	8,930	8,600	7,820	6,610	29,500	31,400	38,800	58,300	28,100	13,100	32,700
MIN	5,970	6,300	4,830	5,450	5,540	6,790	16,200	11,600	22,200	12,300	8,380	7,530
AC-FT	412,400	471,900	467,800	392,500	356,000	784,700	1,423,000	1,226,000	2,861,000	1,186,000	663,100	1,144,000
CFSM	0.15	0.18	0.17	0.14	0.14	0.28	0.53	0.45	1.07	0.43	0.24	0.43
IN.	0.17	0.20	0.20	0.16	0.15	0.33	0.60	0.51	1.20	0.50	0.28	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	13,510	13,390	10,110	8,365	8,241	17,150	41,800	32,800	26,620	21,060	13,590	12,930
MAX	49,740	40,360	21,460	16,060	21,390	55,010	122,400	90,100	69,890	87,420	48,350	45,950
(WY)	(1987)	(1972)	(1983)	(1983)	(1966)	(1983)	(2001)	(1986)	(1993)	(1993)	(1993)	(1986)
MIN	3,526	3,874	3,379	3,153	3,519	4,369	7,215	6,304	4,185	3,197	2,366	3,002
(WY)	(1933)	(1977)	(1934)	(1935)	(1934)	(1934)	(1931)	(1931)	(1934)	(1934)	(1934)	(1976)

UPPER MISSISSIPPI RIVER MAIN STEM

05344500 MISSISSIPPI RIVER AT PRESCOTT, WI—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	6,227,900		5,742,010			
ANNUAL MEAN	17,060		15,690		a18,340	
HIGHEST ANNUAL MEAN					38,540	1986
LOWEST ANNUAL MEAN					4,367	1934
HIGHEST DAILY MEAN	58,900	May 15	58,300	Jun 6	226,000	Apr 18, 1965
LOWEST DAILY MEAN	4,830	Dec 13	4,830	Dec 13	1,380	Jul 13, 1940
ANNUAL SEVEN-DAY MINIMUM	5,760	Sep 6	5,740	Jan 31	2,190	Aug 11, 1936
MAXIMUM PEAK FLOW			58,500	Jun 6	228,000	Apr 18, 1965
MAXIMUM PEAK STAGE			31.97	Jun 6	43.11	Apr 18, 1965
ANNUAL RUNOFF (AC-FT)	12,350,000		11,390,000		13,290,000	
ANNUAL RUNOFF (CFSM)	0.381		0.350		0.409	
ANNUAL RUNOFF (INCHES)	5.17		4.77		5.56	
10 PERCENT EXCEEDS	41,500		31,300		39,400	
50 PERCENT EXCEEDS	8,560		9,600		12,000	
90 PERCENT EXCEEDS	6,760		6,240		5,240	

(a) Median of annual mean discharges is 19,000 ft³/s

(e) Estimated