

## 05126210 SOUTH KAWISHIWI RIVER ABOVE WHITE IRON LAKE NEAR ELY, MN

LOCATION.--Lat 47°50'31", long 91°45'56", in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 19, T.62 N., R.11 W., Lake County, Hydrologic Unit 09030001, on right bank 0.5 mi above inlet to White Iron Lake and 5 mi southeast of Ely.

DRAINAGE AREA.--

PERIOD OF RECORD.--August 1975 to September 1978, May 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,420 ft above mean sea level (from topographic map).

REMARKS.--Records good. Flow regulated by Minnesota Power Co. dam located 2.1 mi above gage at outlet of Birch Lake.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	854	893	705	163
2	---	---	---	---	---	---	---	---	846	918	703	163
3	---	---	---	---	---	---	---	---	841	923	701	162
4	---	---	---	---	---	---	---	---	744	930	696	162
5	---	---	---	---	---	---	---	275	647	934	699	161
6	---	---	---	---	---	---	---	299	647	935	702	161
7	---	---	---	---	---	---	---	353	617	991	695	161
8	---	---	---	---	---	---	---	359	549	1,070	689	161
9	---	---	---	---	---	---	---	375	552	985	686	160
10	---	---	---	---	---	---	---	533	559	1,070	542	158
11	---	---	---	---	---	---	---	674	608	1,220	353	161
12	---	---	---	---	---	---	---	677	687	1,210	358	200
13	---	---	---	---	---	---	---	673	705	1,200	358	245
14	---	---	---	---	---	---	---	661	701	1,050	358	246
15	---	---	---	---	---	---	---	656	695	935	349	244
16	---	---	---	---	---	---	---	655	619	1,050	185	223
17	---	---	---	---	---	---	---	655	690	1,200	161	188
18	---	---	---	---	---	---	---	653	828	1,180	161	191
19	---	---	---	---	---	---	---	658	825	1,170	168	294
20	---	---	---	---	---	---	---	700	777	1,160	232	473
21	---	---	---	---	---	---	---	745	701	1,040	338	487
22	---	---	---	---	---	---	---	739	696	849	387	682
23	---	---	---	---	---	---	---	739	708	800	404	825
24	---	---	---	---	---	---	---	740	741	796	402	767
25	---	---	---	---	---	---	---	741	843	763	350	681
26	---	---	---	---	---	---	---	738	968	695	287	610
27	---	---	---	---	---	---	---	738	1,050	698	285	608
28	---	---	---	---	---	---	---	741	1,040	695	282	606
29	---	---	---	---	---	---	---	799	1,040	691	262	605
30	---	---	---	---	---	---	---	866	959	700	170	602
31	---	---	---	---	---	---	---	863	---	705	163	---
TOTAL	---	---	---	---	---	---	---	---	22,737	29,456	12,831	10,550
MEAN	---	---	---	---	---	---	---	---	758	950	414	352
MAX	---	---	---	---	---	---	---	---	1,050	1,220	705	825
MIN	---	---	---	---	---	---	---	---	549	691	161	158
AC-FT	---	---	---	---	---	---	---	---	45,100	58,430	25,450	20,930

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	1,120	626	560	405	247	231	1,598	1,230	1,266	958	384	727
MAX	2,831	1,325	871	666	356	310	3,730	2,125	2,394	1,253	842	1,934
(WY)	(1978)	(1978)	(1978)	(1978)	(1978)	(1976)	(1976)	(1978)	(1978)	(1978)	(1978)	(1977)
MIN	84.4	78.3	84.4	80.4	70.2	97.7	138	187	758	672	94.3	104
(WY)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(2003)	(1976)	(1976)	(1976)

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SUMMARY STATISTICS	WATER YEAR 2003		WATER YEARS 1975 - 2003	
ANNUAL MEAN			819	
HIGHEST ANNUAL MEAN			1,241	1978
LOWEST ANNUAL MEAN			408	1977
HIGHEST DAILY MEAN	1,220	Jul 11	8,040	Apr 22 1976
LOWEST DAILY MEAN	158	Sep 10	27	Mar 22 1977
ANNUAL SEVEN-DAY MINIMUM	160	Sep 5	34	Aug 13 1976
MAXIMUM PEAK FLOW	1,240	Jul 10	8,080	Apr 22 1976
MAXIMUM PEAK STAGE	5.70	Jul 10	11.42	Apr 22 1976
INSTANTANEOUS LOW FLOW	156	Sep 9	19	Mar 22 1977
ANNUAL RUNOFF (AC-FT)			593,100	
10 PERCENT EXCEEDS			1,900	
50 PERCENT EXCEEDS			480	
90 PERCENT EXCEEDS			80	

