

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

LOCATION.--Lat 47°50'31", long 91°47'56", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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, 1.9 mi downstream (north) of dam at State Highway 1, and 5 mi southeast of Ely.

DRAINAGE AREA.--837 mi².

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	591	325	332	321	299	565	364	2,280	1,820	461	240	122
2	497	324	332	320	297	754	392	2,290	1,790	513	226	121
3	502	324	331	319	296	698	454	2,310	1,780	510	198	118
4	501	325	331	319	296	661	520	2,250	1,780	509	189	119
5	472	324	333	318	294	625	584	2,200	1,800	503	168	121
6	406	326	332	317	296	569	653	2,010	1,820	493	143	138
7	406	324	333	317	295	521	750	1,790	1,920	449	140	135
8	408	324	332	317	293	480	881	1,690	1,930	400	139	135
9	407	322	335	316	293	434	991	1,690	1,950	385	143	135
10	405	324	333	316	291	401	1,080	1,490	1,950	365	144	135
11	408	322	334	314	289	378	1,180	1,330	2,060	333	147	131
12	405	324	334	312	377	359	1,260	1,350	2,100	323	144	132
13	403	321	331	312	516	344	1,310	1,350	1,990	326	142	131
14	404	324	330	312	504	332	1,370	1,340	1,780	352	141	128
15	403	324	329	312	490	314	1,360	1,340	1,550	388	141	131
16	402	325	332	312	473	317	1,330	1,260	1,370	384	141	147
17	401	326	329	308	458	325	1,200	1,180	1,180	393	140	170
18	399	326	329	307	443	345	1,150	1,190	984	381	141	172
19	398	327	328	307	427	369	1,320	1,280	907	380	140	172
20	394	326	328	307	416	349	1,580	1,380	775	366	134	171
21	379	327	328	307	402	322	1,930	1,420	552	358	127	174
22	330	325	327	307	399	294	2,320	1,430	491	363	126	177
23	342	329	327	308	392	273	2,620	1,480	439	378	126	184
24	377	329	326	308	381	256	2,810	1,600	534	378	128	186
25	378	328	325	307	413	254	2,980	1,730	645	370	124	186
26	378	329	322	307	460	264	2,950	1,790	641	361	125	187
27	359	329	320	304	443	259	2,790	1,770	641	324	124	186
28	329	332	322	301	420	278	2,470	1,760	552	279	124	188
29	323	331	321	301	402	309	2,220	1,730	444	257	125	188
30	323	332	321	299	---	325	2,210	1,700	438	255	126	189
31	324	---	321	302	---	341	---	1,760	---	251	122	---
TOTAL	12,454	9,778	10,188	9,634	11,055	12,315	45,029	51,170	38,613	11,788	4,518	4,609
MEAN	402	326	329	311	381	397	1,501	1,651	1,287	380	146	154
MAX	591	332	335	321	516	754	2,980	2,310	2,100	513	240	189
MIN	323	321	320	299	289	254	364	1,180	438	251	122	118
AC-FT	24,700	19,390	20,210	19,110	21,930	24,430	89,320	101,500	76,590	23,380	8,960	9,140
CFSM	0.48	0.39	0.39	0.37	0.46	0.47	1.79	1.97	1.54	0.45	0.17	0.18
IN.	0.55	0.43	0.45	0.43	0.49	0.55	2.00	2.27	1.72	0.52	0.20	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	941	551	502	381	281	273	1,574	1,335	1,270	843	344	631
MAX	2,831	1,325	871	666	381	397	3,730	2,125	2,394	1,253	842	1,934
(WY)	(1978)	(1978)	(1978)	(1978)	(2004)	(2004)	(1976)	(1978)	(1978)	(1978)	(1978)	(1977)
MIN	84.4	78.3	84.4	80.4	70.2	97.7	138	187	758	380	94.3	104
(WY)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(2003)	(2004)	(1976)	(1976)

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SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	221,151			
ANNUAL MEAN	604		765	
HIGHEST ANNUAL MEAN			1,241	1978
LOWEST ANNUAL MEAN			408	1977
HIGHEST DAILY MEAN	2,980	Apr 25	8,040	Apr 22, 1976
LOWEST DAILY MEAN	118	Sep 3	27	Mar 22, 1977
ANNUAL SEVEN-DAY MINIMUM	121	Aug 30	34	Aug 13, 1976
MAXIMUM PEAK FLOW	3,050	Apr 26	8,080	Apr 22, 1976
MAXIMUM PEAK STAGE	7.55	Apr 26	11.42	Apr 22, 1976
INSTANTANEOUS LOW FLOW	115	Sep 5	19	Mar 22, 1977
ANNUAL RUNOFF (AC-FT)	438,700		554,200	
ANNUAL RUNOFF (CFSM)	0.000		0.000	
ANNUAL RUNOFF (INCHES)	0.00		0.00	
10 PERCENT EXCEEDS	1,730		1,810	
50 PERCENT EXCEEDS	332		406	
90 PERCENT EXCEEDS	143		84	

