

05125000 SOUTH KAWISHIWI RIVER NEAR ELY, MN

LOCATION.--Lat 47°50'24", long 91°41'43", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T.62 N., R.11 W., Lake County, Hydrologic Unit 09030001, on left bank, 2.5 mi northeast of State Highway 1, 5 mi upstream from Birch Lake, and 9 mi southeast of Ely.

DRAINAGE AREA.--

PERIOD OF RECORD.--October 1951 to September 1961, April 1976 to September 1978, May 2003 to current year.

REMARKS.--Records good.

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	315	190	216	153	163	122	165	1,610	915	348	178	106
2	309	189	214	154	162	123	182	1,540	940	332	172	103
3	303	189	213	151	158	123	209	1,480	1,000	316	163	100
4	292	191	213	152	154	123	241	1,410	1,090	307	156	98
5	287	190	212	151	154	122	274	1,330	1,200	298	148	107
6	279	190	208	150	154	121	321	1,260	1,270	276	141	119
7	273	189	205	150	152	121	390	1,180	1,300	263	135	115
8	263	184	202	150	150	120	483	1,120	1,290	250	132	111
9	256	184	197	146	150	119	557	1,060	1,220	237	134	108
10	250	184	193	144	149	119	627	1,000	1,160	227	142	107
11	251	183	193	144	147	119	693	944	1,090	260	153	108
12	260	187	190	142	146	118	741	902	1,050	252	148	108
13	250	186	184	142	146	118	767	865	988	250	140	107
14	242	184	180	145	145	121	774	824	933	252	133	116
15	233	180	176	142	147	120	774	789	883	241	128	127
16	222	178	178	141	148	117	782	758	859	240	126	141
17	219	180	174	140	147	116	796	784	812	235	126	142
18	215	183	171	140	143	115	867	789	762	230	127	143
19	213	184	168	141	141	114	1,040	804	709	231	124	144
20	211	183	166	142	137	112	1,200	852	662	234	119	146
21	205	182	164	144	135	111	1,410	888	623	232	115	154
22	202	182	162	147	132	108	1,620	922	584	237	115	159
23	200	188	160	149	130	107	1,780	942	547	230	114	161
24	198	200	158	148	129	105	1,890	930	516	226	112	168
25	195	204	157	149	128	111	1,940	933	482	219	111	168
26	191	208	154	156	126	123	1,930	909	457	211	112	166
27	189	210	154	158	124	124	1,870	911	437	203	110	166
28	192	211	156	154	122	131	1,820	893	405	199	108	163
29	189	214	154	156	122	143	1,750	878	384	202	105	162
30	189	215	152	158	---	150	1,670	879	366	194	106	160
31	190	---	155	162	---	154	---	908	---	187	106	---
TOTAL	7,283	5,722	5,579	4,601	4,141	3,750	29,563	31,294	24,934	7,619	4,039	3,983
MEAN	235	191	180	148	143	121	985	1,009	831	246	130	133
MAX	315	215	216	162	163	154	1,940	1,610	1,300	348	178	168
MIN	189	178	152	140	122	105	165	758	366	187	105	98
AC-FT	14,450	11,350	11,070	9,130	8,210	7,440	58,640	62,070	49,460	15,110	8,010	7,900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	389	291	233	173	133	116	714	1,231	761	440	280	367
MAX	1,733	757	456	295	179	150	2,278	3,141	1,440	885	1,125	1,099
(WY)	(1978)	(1978)	(1952)	(1978)	(1957)	(1953)	(1976)	(1954)	(1978)	(1952)	(1952)	(1977)
MIN	36.0	49.0	45.8	37.1	33.5	57.4	130	179	290	152	80.7	45.0
(WY)	(1961)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1958)	(1958)	(1961)	(1976)

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SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	132,508			
ANNUAL MEAN	362		434	
HIGHEST ANNUAL MEAN			673	1978
LOWEST ANNUAL MEAN			233	1958
HIGHEST DAILY MEAN	1,940	Apr 25	5,110	May 5, 1954
LOWEST DAILY MEAN	98	Sep 4	27	Oct 10, 1960
ANNUAL SEVEN-DAY MINIMUM	103	Aug 29	29	Oct 6, 1960
MAXIMUM PEAK FLOW	1,970	Apr 25	5,130	May 4, 1954
MAXIMUM PEAK STAGE	5.17	Apr 25	7.25	May 4, 1954
INSTANTANEOUS LOW FLOW	95	Sep 4	25	Oct 12, 1960
ANNUAL RUNOFF (AC-FT)	262,800		314,300	
10 PERCENT EXCEEDS	935		1,080	
50 PERCENT EXCEEDS	184		223	
90 PERCENT EXCEEDS	119		105	

