

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 except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	221	155	e135	e134	123	118	611	984	e511	118	57
2	171	236	154	e135	e135	122	121	595	970	e472	114	54
3	165	247	152	e134	135	121	126	575	888	e453	111	52
4	162	259	151	e133	134	121	164	553	850	e462	109	50
5	156	267	144	e132	135	118	193	548	818	e477	104	50
6	155	274	142	e132	133	117	245	574	780	e467	100	48
7	154	275	140	e131	132	116	309	572	755	e448	97	46
8	155	274	138	e131	131	117	396	654	735	e426	93	43
9	157	273	136	e131	133	112	505	751	731	e404	93	41
10	153	273	133	e131	133	112	622	909	747	e391	92	40
11	150	265	132	e131	133	111	742	1,110	772	e374	88	39
12	148	259	e135	e130	132	112	844	1,350	784	e358	84	39
13	149	250	e136	e130	131	112	915	1,540	790	e342	79	44
14	147	240	e134	e130	135	112	963	1,640	839	e323	79	42
15	144	233	e133	e130	133	112	981	1,660	895	e294	76	40
16	138	226	e132	e130	133	111	982	1,640	907	e273	77	39
17	134	215	e131	e130	133	110	962	1,590	953	e257	78	37
18	130	208	e131	e130	133	109	928	1,520	1,020	235	79	35
19	128	202	e131	e130	134	108	892	1,480	1,090	221	78	38
20	128	201	e131	e130	134	108	860	1,420	1,190	203	76	40
21	128	195	e131	e130	133	106	827	1,350	1,140	192	73	40
22	126	188	e131	e130	130	106	799	1,300	1,060	185	71	39
23	130	182	e131	e130	128	105	770	1,250	995	176	70	37
24	140	175	e131	e130	126	103	738	1,200	913	164	67	36
25	139	171	e131	e130	127	102	713	1,160	796	154	65	38
26	138	169	e132	e131	125	102	701	1,180	e703	145	65	38
27	139	168	e132	e132	124	100	691	1,160	e608	135	64	38
28	144	168	e133	e133	123	99	664	1,150	e564	133	63	37
29	159	162	e134	e134	---	100	646	1,130	e516	127	61	35
30	186	159	e135	e134	---	105	625	1,100	e506	123	59	36
31	209	---	e135	e134	---	112	---	1,060	---	120	58	---
TOTAL	4,628	6,635	4,227	4,074	3,682	3,424	19,042	34,332	25,299	9,045	2,541	1,248
MEAN	149	221	136	131	132	110	635	1,107	843	292	82.0	41.6
MAX	209	275	155	135	135	123	982	1,660	1,190	511	118	57
MIN	126	159	131	130	123	99	118	548	506	120	58	35
AC-FT	9,180	13,160	8,380	8,080	7,300	6,790	37,770	68,100	50,180	17,940	5,040	2,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

MEAN	372	286	226	170	133	115	709	1,224	766	431	268	347
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	41.6
(WY)	(1961)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1958)	(1958)	(1961)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1952 - 2005	
ANNUAL TOTAL	129,414		118,177			
ANNUAL MEAN	354		324		426	
HIGHEST ANNUAL MEAN					673 1978	
LOWEST ANNUAL MEAN					233 1958	
HIGHEST DAILY MEAN	1,940	Apr 25	1,660	May 15	5,110	May 5, 1954
LOWEST DAILY MEAN	98	Sep 4	35	Sep 18,29	27	Oct 10, 1960
ANNUAL SEVEN-DAY MINIMUM	103	Aug 29	37	Sep 24	29	Oct 6, 1960
MAXIMUM PEAK FLOW			1,680	May 15	5,130	May 4, 1954
MAXIMUM PEAK STAGE			4.90	May 15	7.25	May 4, 1954
INSTANTANEOUS LOW FLOW			a35	Sep 18	25	Oct 12, 1960
ANNUAL RUNOFF (AC-FT)	256,700		234,400		308,600	
10 PERCENT EXCEEDS	935		914		1,060	
50 PERCENT EXCEEDS	155		135		216	
90 PERCENT EXCEEDS	119		65		101	

a Daily-mean discharge.
e Estimated.

