

## 05124480 KAWISHIWI RIVER NEAR ELY, MN

LOCATION.--Lat 47°55'22", long 91°32'06", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec. 24, T.63 N., R.10 W., Lake County, Hydrologic Unit 09030001, in Superior National Forest, on left bank 100 ft upstream from rapids, 2 mi upstream from South Kawishiwi River, 2.2 mi southwest of Fernberg Lookout Tower and 14 mi east of Ely.

DRAINAGE AREA.--254 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,450 ft above sea level, from topographic map.

REMARKS.--Records good.

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	51	70	55	59	60	53	53	301	537	239	77	34
2	52	73	54	63	59	52	57	297	512	228	74	32
3	50	75	54	62	59	52	61	293	487	230	72	31
4	48	75	53	60	58	51	69	288	463	229	69	30
5	46	74	51	59	58	51	78	288	455	220	64	29
6	45	73	51	58	58	50	92	310	439	212	62	29
7	44	73	51	57	58	50	103	318	422	203	60	28
8	43	72	50	57	57	50	115	374	408	195	57	27
9	43	70	50	58	57	49	127	425	391	188	57	26
10	43	69	49	59	57	49	140	489	379	182	56	25
11	42	66	50	58	56	49	157	535	373	174	54	24
12	40	65	56	60	56	48	171	573	362	166	51	27
13	41	64	57	62	56	47	183	604	351	158	48	30
14	42	63	56	61	57	46	195	620	361	151	46	29
15	41	62	55	60	58	46	205	631	379	144	44	27
16	39	62	54	59	57	46	214	637	370	138	46	26
17	37	61	54	58	56	46	222	640	362	135	49	25
18	36	60	54	59	55	46	230	644	355	127	54	24
19	36	60	52	62	55	45	238	662	342	121	52	26
20	35	62	55	61	54	44	246	663	340	114	51	27
21	35	61	55	61	55	44	253	661	328	108	47	26
22	35	60	54	64	54	43	262	662	316	104	45	25
23	40	59	53	63	54	42	266	656	305	100	42	23
24	43	58	53	61	54	42	272	645	290	95	41	23
25	43	57	52	61	54	42	279	641	275	91	39	23
26	43	56	52	61	53	42	288	654	264	90	39	22
27	42	57	51	60	53	41	296	641	256	85	39	21
28	42	57	51	60	54	41	299	627	248	85	38	21
29	42	57	51	61	---	42	301	608	237	84	38	20
30	56	56	53	60	---	44	301	588	247	81	36	19
31	67	---	58	60	---	48	---	563	---	78	35	---
TOTAL	1,342	1,927	1,644	1,864	1,572	1,441	5,773	16,538	10,854	4,555	1,582	779
MEAN	43.3	64.2	53.0	60.1	56.1	46.5	192	533	362	147	51.0	26.0
MAX	67	75	58	64	60	53	301	663	537	239	77	34
MIN	35	56	49	57	53	41	53	288	237	78	35	19
AC-FT	2,660	3,820	3,260	3,700	3,120	2,860	11,450	32,800	21,530	9,030	3,140	1,550
CFSM	0.17	0.25	0.21	0.24	0.22	0.18	0.76	2.10	1.42	0.58	0.20	0.10
IN.	0.20	0.28	0.24	0.27	0.23	0.21	0.85	2.42	1.59	0.67	0.23	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	143	154	131	92.0	67.4	56.3	239	628	365	206	143	129
MAX	881	684	345	163	107	85.2	785	1,133	1,070	523	758	698
(WY)	(1978)	(1971)	(1983)	(1984)	(1971)	(1969)	(1976)	(1979)	(1970)	(1999)	(1988)	(1988)
MIN	12.1	9.43	7.25	5.32	4.77	5.87	8.95	13.3	115	65.1	36.0	18.5
(WY)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1998)	(1998)	(1976)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	59,376		49,871		197	
ANNUAL MEAN	162		137		81.3	
HIGHEST ANNUAL MEAN					313	1971
LOWEST ANNUAL MEAN					81.3	1998
HIGHEST DAILY MEAN	799	Apr 30	663	May 20	1,850	May 3, 2001
LOWEST DAILY MEAN	35	Oct 20	19	Sep 30	a4.5	Jan 31, 1977
ANNUAL SEVEN-DAY MINIMUM	36	Oct 16	21	Sep 24	4.6	Jan 29, 1977
MAXIMUM PEAK FLOW			665	May 19	1,870	May 4, 2001
MAXIMUM PEAK STAGE			4.82	May 19	6.07	May 4, 2001
INSTANTANEOUS LOW FLOW			b19	Sep 29	4.5	Jan 30, 1977
ANNUAL RUNOFF (AC-FT)	117,800		98,920		142,700	
ANNUAL RUNOFF (CFSM)	0.639		0.538		0.775	
ANNUAL RUNOFF (INCHES)	8.70		7.30		10.54	
10 PERCENT EXCEEDS	439		371		480	
50 PERCENT EXCEEDS	76		58		106	
90 PERCENT EXCEEDS	50		36		38	

a Occurred Jan. 31 to Feb. 2, 1977.

b Falling stage.

