

RAINY RIVER BASIN

05124480 KAWISHIWI RIVER NEAR ELY, MN

LOCATION.--Lat 47°55'22", long 91°32'06", in SE¹/₄SE¹/₄ 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 mi².

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	333	178	109	68	58	86	276	296	305	137	133
2	333	322	174	106	67	56	90	276	303	301	132	131
3	327	314	170	104	69	55	111	275	294	292	131	145
4	319	307	167	102	67	55	121	273	284	284	118	145
5	310	297	164	101	65	55	128	272	272	276	122	145
6	302	289	161	102	64	55	143	271	261	268	135	150
7	310	282	157	100	63	58	149	269	253	263	132	158
8	354	276	154	99	63	60	155	323	244	264	128	157
9	374	271	151	97	63	64	165	374	234	258	128	173
10	397	264	149	97	62	62	170	405	229	250	123	182
11	415	258	147	96	61	60	178	428	229	243	119	176
12	427	252	145	93	60	58	185	444	222	243	120	171
13	432	248	142	90	60	58	195	453	214	241	119	167
14	436	240	140	88	59	58	207	457	216	235	119	164
15	437	234	138	88	58	57	218	452	226	227	123	159
16	435	230	136	86	57	56	223	446	233	219	118	155
17	435	226	133	86	56	56	228	437	227	208	116	151
18	433	222	130	85	55	56	232	424	226	196	115	148
19	434	217	129	83	55	55	237	411	224	189	112	146
20	430	212	129	82	54	55	241	400	233	185	111	143
21	422	209	127	80	53	56	244	391	244	179	111	139
22	414	205	124	79	52	57	250	391	267	172	112	136
23	404	202	122	79	52	58	255	383	284	166	111	137
24	397	201	120	77	53	62	259	372	298	161	109	132
25	389	198	118	76	55	73	263	360	301	171	110	129
26	379	195	115	75	60	77	264	350	310	181	111	127
27	371	191	112	74	60	78	266	341	306	171	111	124
28	361	185	114	73	59	79	271	329	303	162	110	121
29	352	182	114	71	58	79	273	318	303	156	110	119
30	349	179	113	70	---	82	274	309	297	149	108	118
31	342	---	112	69	---	83	---	298	---	142	130	---
TOTAL	11852	7241	4285	2717	1728	1931	6081	11208	7833	6757	3691	4381
MEAN	382	241	138	87.6	59.6	62.3	203	362	261	218	119	146
MAX	437	333	178	109	69	83	274	457	310	305	137	182
MIN	302	179	112	69	52	55	86	269	214	142	108	118
AC-FT	23510	14360	8500	5390	3430	3830	12060	22230	15540	13400	7320	8690
CFSM	1.51	.95	.54	.35	.23	.25	.80	1.42	1.03	.86	.47	.57
IN.	1.74	1.06	.63	.40	.25	.28	.89	1.64	1.15	.99	.54	.64

05124480 KAWISHIWI RIVER NEAR ELY, MN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	153	163	135	92.6	67.5	56.6	239	644	375	213	144	136
MAX	881	684	345	163	107	85.2	785	1133	1070	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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	94610		69705			
ANNUAL MEAN	259		190		203	
HIGHEST ANNUAL MEAN					313	
LOWEST ANNUAL MEAN					81.3	
HIGHEST DAILY MEAN	649		Jul 26		1710	
LOWEST DAILY MEAN	57		Mar 19		4.5 ^a	
ANNUAL SEVEN-DAY MINIMUM	57		Mar 19		4.6	
INSTANTANEOUS PEAK FLOW			461		1720	
INSTANTANEOUS PEAK STAGE			4.45		5.92	
INSTANTANEOUS LOW FLOW			51		4.5	
ANNUAL RUNOFF (AC-FT)	187700		138300		146800	
ANNUAL RUNOFF (CFSM)	1.02		.75		.80	
ANNUAL RUNOFF (INCHES)	13.86		10.21		10.84	
10 PERCENT EXCEEDS	517		360		502	
50 PERCENT EXCEEDS	209		161		108	
90 PERCENT EXCEEDS	78		60		36	

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

