

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	104	142	108	79	68	54	1740	552	194	228	230
2	119	107	142	106	78	67	53	1820	544	185	264	222
3	116	106	142	105	76	66	53	1850	523	180	283	214
4	113	105	142	103	76	64	53	1840	507	175	301	207
5	110	105	142	101	75	63	54	1810	489	167	306	200
6	110	107	141	102	74	63	56	1770	471	166	301	194
7	111	114	141	102	73	62	71	1700	452	169	286	194
8	108	117	140	100	73	63	89	1620	434	161	278	192
9	104	116	140	98	75	62	93	1530	428	153	313	190
10	101	117	139	96	74	61	100	1440	410	147	299	188
11	98	119	137	95	73	61	111	1350	394	139	286	183
12	96	121	137	94	72	61	148	1260	381	134	284	177
13	94	123	135	94	72	64	174	1180	371	128	275	172
14	102	123	135	92	72	62	213	1100	380	124	271	166
15	106	124	133	94	71	61	252	1030	367	131	289	160
16	104	125	134	92	70	60	289	956	351	132	303	154
17	102	126	135	91	69	59	317	889	337	139	310	150
18	99	127	133	90	68	59	348	828	327	137	313	146
19	97	131	131	88	68	58	386	771	327	150	314	141
20	95	133	129	87	67	58	435	721	315	147	312	137
21	93	134	130	85	66	57	495	703	308	141	308	132
22	90	135	129	84	66	57	581	714	301	136	301	131
23	89	136	126	84	65	56	728	702	288	130	294	136
24	86	138	125	82	66	55	871	683	277	121	286	127
25	92	138	123	81	74	55	1020	665	267	114	278	121
26	99	138	120	81	73	54	1170	661	255	108	270	116
27	106	139	118	81	71	54	1310	644	243	102	262	112
28	103	140	116	79	69	53	1440	627	232	103	254	108
29	101	140	113	78	---	52	1550	613	220	100	246	104
30	101	142	111	79	---	52	1650	592	210	109	245	101
31	102	---	110	80	---	53	---	571	---	125	239	---
TOTAL	3165	3730	4071	2832	2005	1840	14164	34380	10961	4347	8799	4805
MEAN	102	124	131	91.4	71.6	59.4	472	1109	365	140	284	160
MAX	119	142	142	108	79	68	1650	1850	552	194	314	230
MIN	86	104	110	78	65	52	53	571	210	100	228	101
AC-FT	6280	7400	8070	5620	3980	3650	28090	68190	21740	8620	17450	9530
CFSM	.40	.49	.52	.36	.28	.23	1.86	4.37	1.44	.55	1.12	.63
IN.	.46	.55	.60	.41	.29	.27	2.07	5.04	1.61	.64	1.29	.70

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	152	162	135	92.6	67.6	56.7	246	657	375	211	148	137
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 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
ANNUAL TOTAL	57293	95099	
ANNUAL MEAN	157	261	204
HIGHEST ANNUAL MEAN			313
LOWEST ANNUAL MEAN			81.3
HIGHEST DAILY MEAN	457	May 14	1850
LOWEST DAILY MEAN	52	Feb 22	52
ANNUAL SEVEN-DAY MINIMUM	53	Feb 18	53
MAXIMUM PEAK FLOW			1870
MAXIMUM PEAK STAGE			6.07
INSTANTANEOUS LOW FLOW			51
ANNUAL RUNOFF (AC-FT)	113600	188600	148000
ANNUAL RUNOFF (CFSM)	.62	1.03	.80
ANNUAL RUNOFF (INCHES)	8.39	13.93	10.93
10 PERCENT EXCEEDS	293	619	504
50 PERCENT EXCEEDS	128	131	110
90 PERCENT EXCEEDS	60	66	37

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

