

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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	91	149	189	113	73	56	208	206	166	117	93
2	94	92	151	186	111	72	56	213	196	157	128	90
3	90	92	153	184	109	70	55	219	188	147	129	84
4	86	93	154	181	108	69	54	228	181	138	126	78
5	84	93	158	177	105	68	53	241	174	136	120	75
6	82	92	162	176	103	67	53	248	169	134	113	73
7	79	93	164	172	101	66	53	252	163	132	105	70
8	79	96	167	169	100	69	53	256	157	140	99	68
9	81	96	169	167	98	76	53	265	152	135	93	65
10	88	96	170	165	97	76	53	271	146	129	95	67
11	92	97	172	162	96	73	55	273	163	122	98	65
12	89	98	173	160	94	71	57	277	165	115	96	62
13	88	99	175	157	92	70	62	276	177	110	92	60
14	89	99	175	154	90	68	76	276	190	106	85	57
15	86	99	176	152	89	66	92	276	192	103	88	54
16	85	99	179	149	87	65	106	272	187	97	91	52
17	82	99	181	146	85	64	119	268	180	93	94	51
18	81	102	182	144	84	63	134	263	168	87	91	50
19	79	104	183	142	83	64	150	257	168	83	88	55
20	77	103	183	140	85	63	159	252	172	81	84	56
21	75	103	183	138	83	63	166	248	163	80	83	54
22	75	102	186	136	81	62	173	243	158	79	80	50
23	80	103	202	133	80	61	180	239	167	75	78	49
24	80	109	201	130	78	59	185	232	178	72	75	47
25	85	125	199	129	77	58	187	229	187	72	72	45
26	88	129	199	126	76	58	188	226	190	73	70	44
27	85	133	199	124	75	57	192	222	187	76	67	43
28	83	138	197	122	74	58	196	217	184	91	64	43
29	82	141	196	120	---	59	201	215	179	87	64	44
30	83	145	194	118	---	59	205	217	174	84	89	44
31	89	---	191	116	---	58	---	215	---	81	97	---
TOTAL	2612	3161	5523	4664	2554	2025	3422	7594	5261	3281	2871	1788
MEAN	84.3	105	178	150	91.2	65.3	114	245	175	106	92.6	59.6
MAX	96	145	202	189	113	76	205	277	206	166	129	93
MIN	75	91	149	116	74	57	53	208	146	72	64	43
AC-FT	5180	6270	10950	9250	5070	4020	6790	15060	10440	6510	5690	3550
CFSM	0.33	0.41	0.70	0.59	0.36	0.26	0.45	0.96	0.69	0.42	0.36	0.23
IN.	0.38	0.46	0.81	0.68	0.37	0.30	0.50	1.11	0.77	0.48	0.42	0.26

RAINY RIVER BASIN

05124480 KAWISHIWI RIVER NEAR ELY, MN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	150	161	136	94.2	68.3	56.9	242	646	369	208	146	135
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 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1966 - 2002

ANNUAL TOTAL	95429	44756	
ANNUAL MEAN	261	123	202
HIGHEST ANNUAL MEAN			313
LOWEST ANNUAL MEAN			81.3
HIGHEST DAILY MEAN	1850	May 3	1850
LOWEST DAILY MEAN	52	Mar 29	4.5a
ANNUAL SEVEN-DAY MINIMUM	53	Mar 28	4.6
MAXIMUM PEAK FLOW			280
MAXIMUM PEAK STAGE			4.02
INSTANTANEOUS LOW FLOW			42
ANNUAL RUNOFF (AC-FT)	189300	88770	146300
ANNUAL RUNOFF (CFM)	1.03	0.48	0.80
ANNUAL RUNOFF (INCHES)	13.98	6.55	10.81
10 PERCENT EXCEEDS	619	200	495
50 PERCENT EXCEEDS	136	99	109
90 PERCENT EXCEEDS	66	59	37

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

