

RAINY RIVER BASIN

05131455 NETT LAKE RIVER NEAR NETT LAKE, MN

LOCATION.--Lat 48 o 06'36", long 93 o 11'12", in NE 1 / 4 NE 1 / 4 sec. 20, T.65 N., R.22 W., Koochiching County, Hydrologic Unit 09030005, downstream from dam at outlet of Nett Lake, 4 miles west of the town of Nett Lake.

DRAINAGE AREA.--128 mi 2 .

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage 1,270 ft above mean sea level (from topographic map).

REMARKS.--Records fair except those for estimated periods, which are poor. Regulation from Nett Lake Dam upstream of gage.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.26	e20	e11	e12	e94	57	303	167	121	.02	e.00
2	.10	e.03	e17	e11	e12	e99	65	282	144	124	.00	e.00
3	.03	e.02	e15	e11	e12	e95	71	256	124	147	.04	e.00
4	.05	e.03	e14	e11	e12	e89	77	140	148	143	.04	e.01
5	.06	.06	e13	e11	e12	e80	82	.65	148	148	.48	e.00
6	.09	.06	e13	e11	e12	e67	149	.36	140	150	.44	e.00
7	.25	.16	e13	e11	e12	e57	225	.24	132	145	.09	e.00
8	e.03	.30	e13	e11	e12	e50	213	.53	130	146	.05	e.00
9	e.01	.18	e13	e11	e12	e43	209	1.1	127	145	.06	e.00
10	e.01	.07	e13	e11	e12	e35	201	1.0	124	144	.05	e.00
11	e.01	.07	e13	e11	e12	29	199	.65	120	132	.14	e.00
12	.57	e.02	e13	e11	e12	30	207	.73	112	125	.18	e.00
13	.22	e.10	e14	e11	e12	31	174	5.4	104	112	.09	e.00

14	.45	.12	e15	e11	e12	29	170	49	103	128	.04	e.00
15	4.3	.06	e17	e11	e12	28	186	145	93	121	.03	e.00
16	5.1	.14	e17	e11	e13	27	182	174	92	121	.01	e.00
17	4.6	.11	e16	e11	e14	25	166	217	90	118	.04	e.00
18	5.0	.07	e15	e11	e16	24	166	212	112	113	.01	e.00
19	2.0	e.05	e14	e11	e19	22	166	218	104	103	.00	e.00
20	3.5	e.04	e14	e12	e21	21	236	258	96	60	.00	e.00
21	6.5	e.03	e13	e12	e23	20	298	256	87	e2.0	.01	e.00
22	4.5	e.02	e12	e12	e28	20	276	244	98	e.10	e.00	e.00
23	1.0	e.01	e12	e12	e30	19	253	230	111	e.01	e.00	e.00
24	.74	e.01	e12	e12	e34	19	252	213	113	e.01	e.00	e.00
25	.46	e.03	e11	e12	e39	18	258	197	113	e.10	e.01	e.00
26	.23	e.10	e11	e12	e50	18	218	186	113	e.05	e.00	e.00
27	.40	e.40	e11	e12	e70	19	261	164	107	e.02	e.00	e.00
28	.86	e1.5	e11	e12	e85	20	364	166	97	e.01	e.00	e.00
29	.39	e6.0	e11	e12	---	26	347	171	102	.03	e.00	e.00
30	.30	e20	e11	e12	---	41	318	175	126	.26	e.01	e.00
31	.59	---	e11	e12	---	48	---	154	---	.19	e.00	---
TOTAL	42.38	30.05	418	353	622	1243	6046	4420.66	3477	2548.78	1.84	0.01
MEAN	1.37	1.00	13.5	11.4	22.2	40.1	202	143	116	82.2	.059	.000
MAX	6.5	20	20	12	85	99	364	303	167	150	.48	.01
MIN	.01	.01	11	11	12	18	57	.24	87	.01	.00	.00
AC-FT	84	60	829	700	1230	2470	11990	8770	6900	5060	3.6	.02
CFSM	.01	.01	.11	.09	.17	.31	1.57	1.11	.91	.64	.00	.00
IN.	.01	.01	.12	.10	.18	.36	1.76	1.28	1.01	.74	.00	.00

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	76.7	116	68.5	39.2	28.5	30.4	263	358	76.9	59.5	.98	4.11
MAX	153	202	114	54.3	37.3	40.1	373	512	116	94.8	2.45	12.3
(WY)	1996	1997	1997	1997	1996	1998	1997	1996	1998	1997	1996	1996
MIN	1.37	1.00	13.5	11.4	22.2	23.5	202	143	25.4	1.41	.059	.000
(WY)	1998	1998	1998	1998	1998	1997	1998	1998	1997	1996	1998	1998

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1996 - 1998		
ANNUAL TOTAL	31544.13		19202.72				
ANNUAL MEAN	86.4		52.6		93.7		
HIGHEST ANNUAL MEAN					118		1997
LOWEST ANNUAL MEAN					52.6		1998
HIGHEST DAILY MEAN	662	May 1	364	Apr 28a	662	May 1	1997
LOWEST DAILY MEAN	.01	Sep 13	.00	Aug 2	.00b	Jun 21	1996
ANNUAL SEVEN-DAY MINIMUM	.03	Nov 19	.00	Sep 5	.00	Aug 13	1996
INSTANTANEOUS PEAK FLOW			386		Apr 27	681	May 1 1997
INSTANTANEOUS PEAK STAGE			4.23		Apr 27	5.15	May 1 1997
ANNUAL RUNOFF (AC-FT)	62570		38090		67910		
ANNUAL RUNOFF (CFSM)	.68		.41		.73		
ANNUAL RUNOFF (INCHES)	9.17		5.58		9.95		
10 PERCENT EXCEEDS	363		170		248		
50 PERCENT EXCEEDS	21		12		33		
90 PERCENT EXCEEDS	.06		.00		.05		

- a Occurred many days.
- b Many days in 1996, 1998.

