

RAINY RIVER BASIN

05131448 WOOD DUCK CREEK NEAR NETT LAKE, MN

LOCATION.-- Lat 48 ° 09'24", long 93 ° 08'20", in SW 1 / 4 SW 1 / 4 sec. 35, T.66 N., R.22 W., Koochiching County, Hydrologic Unit 09030005, at bridge on Tribal Service Road, 2.9 miles above mouth at Nett Lake, and 3.5 miles northwest of the town of Nett Lake.

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

GAGE.-- Water-stage recorder. Elevation of gage 1,275 ft above mean sea level (from topographic map).

REMARKS.-- Records good except those for estimated daily discharges, which are poor.

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	5.9	11	e4.0	e2.4	e2.6	e19	e45	17	11	15	1.7	.41
2	5.4	12	e4.0	e2.4	e2.6	e20	e55	15	9.2	14	1.6	.28
3	5.4	15	e3.8	e2.4	e2.6	e19	e58	14	8.2	14	1.4	.23
4	5.2	15	e3.7	e2.4	e2.6	e18	e56	13	7.8	13	1.4	.14
5	5.5	e14	e3.6	e2.3	e2.6	e17	e55	12	6.9	13	1.4	.08
6	5.4	e15	e3.5	e2.3	e2.6	e15	52	13	6.4	13	1.3	.03
7	5.7	e15	e3.5	e2.3	e2.6	e14	55	13	5.6	12	1.2	.01
8	6.1	16	e3.4	e2.3	e2.6	e13	59	13	5.2	10	1.2	.00
9	6.3	17	e3.3	e2.3	e2.6	e12	57	13	4.9	9.2	1.2	.00
10	6.0	17	e3.2	e2.3	e2.6	e10	53	13	4.7	7.7	1.0	.00
11	6.9	e17	e3.2	e2.3	e2.6	e9.2	51	13	4.5	6.1	.99	.00
12	8.0	e17	e3.1	e2.3	e2.6	e8.5	54	14	4.4	4.9	.93	.00
13	10	e16	e3.0	e2.3	e2.6	e7.7	57	15	4.3	3.6	.81	.00

14	11	e15	e2.9	e2.3	e2.6	e7.1	60	21	4.0	3.1	.61	.00
15	10	e14	e2.9	e2.3	e2.6	e6.6	59	22	3.7	3.3	.53	.00
16	9.5	e14	e3.0	e2.3	e2.7	e6.3	57	30	3.5	3.1	.53	.00
17	9.6	e13	e3.1	e2.3	e2.9	e6.1	53	32	3.3	3.2	.50	.00
18	9.4	e12	e3.1	e2.4	e3.4	e6.0	50	32	3.6	2.3	.33	.00
19	8.7	e11	e3.0	e2.4	e3.9	e6.0	47	35	6.9	1.9	.36	.01
20	8.8	e9.3	e3.0	e2.4	e4.4	e5.8	44	32	9.1	1.6	.42	.00
21	8.6	e8.0	e2.9	e2.4	e5.0	e5.7	40	28	7.8	2.0	.20	.00
22	8.8	e6.7	e2.8	e2.4	e5.7	e5.6	38	24	7.3	1.5	.25	.00
23	8.8	e5.8	e2.7	e2.4	e6.3	e5.6	35	21	6.4	1.4	.58	.00
24	8.6	e4.8	e2.6	e2.5	e7.0	e5.6	34	18	6.2	1.1	.52	.00
25	8.4	e4.1	e2.6	e2.5	e7.9	e5.6	32	16	6.7	.95	.32	.00
26	8.5	e3.9	e2.5	e2.5	e10	e6.0	30	15	11	1.1	.43	.02
27	8.9	e3.9	e2.5	e2.5	e14	e7.0	27	13	5.3	1.3	.69	.04
28	9.2	e3.9	e2.4	e2.5	e17	e8.7	23	15	8.6	1.7	1.1	.02
29	9.0	e4.0	e2.4	e2.5	---	e12	21	14	12	1.9	.90	.00
30	9.0	e4.0	e2.4	e2.6	---	e20	19	13	15	1.8	.71	.00
31	9.5	---	e2.4	e2.6	---	e30	---	12	---	1.7	.54	---
TOTAL	246.1	334.4	94.5	74.1	129.2	338.1	1376	571	203.5	170.45	25.65	1.27
MEAN	7.94	11.1	3.05	2.39	4.61	10.9	45.9	18.4	6.78	5.50	.83	.042
MAX	11	17	4.0	2.6	17	30	60	35	15	15	1.7	.41
MIN	5.2	3.9	2.4	2.3	2.6	5.6	19	12	3.3	.95	.20	.00
AC-FT	488	663	187	147	256	671	2730	1130	404	338	51	2.5
CFSM	.25	.35	.10	.08	.15	.34	1.44	.58	.21	.17	.03	.00
IN.	.29	.39	.11	.09	.15	.40	1.61	.67	.24	.20	.03	.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	34.3	24.7	7.35	3.69	3.36	5.68	86.3	67.8	8.63	20.4	15.6	8.03
MAX	65.4	37.9	11.7	6.18	4.61	10.9	114	136	11.3	32.5	45.0	22.5
(WY)	1996	1997	1997	1997	1998	1998	1997	1996	1997	1996	1996	1996
MIN	7.94	11.1	3.05	2.39	1.80	2.25	45.9	18.4	6.78	5.50	.83	.042
(WY)	1998	1998	1998	1998	1996	1996	1998	1998	1998	1998	1998	1998

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1996 - 1998		
ANNUAL TOTAL	7189.97		3564.27				
ANNUAL MEAN	19.7		9.77		23.9		
HIGHEST ANNUAL MEAN					37.4		1996
LOWEST ANNUAL MEAN					9.77		1998
HIGHEST DAILY MEAN	230	Apr 8	60	Apr 14	281	May 1	1996
LOWEST DAILY MEAN	.54	Aug 13	.00	Sep 8	a .00	Sep 8a	1998
ANNUAL SEVEN-DAY MINIMUM	.58	Aug 12	.00	Sep 8	.00	Sep 8	1998
INSTANTANEOUS PEAK FLOW			61	Apr 14	322	May 1	1996
INSTANTANEOUS PEAK STAGE			8.56b	Apr 2	12.88c	Apr 7	1997
INSTANTANEOUS LOW FLOW			.00	Sep 7a	.00	Sep 7a	1998
ANNUAL RUNOFF (AC-FT)	14260		7070		17310		
ANNUAL RUNOFF (CFSM)	.62		.31		.75		
ANNUAL RUNOFF (INCHES)	8.41		4.17		10.21		
10 PERCENT EXCEEDS	56		22		55		
50 PERCENT EXCEEDS	5.5		5.2		8.3		
90 PERCENT EXCEEDS	.88		.43		1.5		

a Many days in Sept. 1998.

b Backwater from ice.

c From highwater mark, backwater from ice.

