

## RAINY RIVER BASIN--Continued

05131448 WOOD DUCK CREEK NEAR NETT LAKE, MN

LOCATION.-- Lat 48°09'24", long 93°08'20", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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.

DRAINAGE AREA.-- 31.8 mi<sup>2</sup>.

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

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

REMARKS.-- Records fair except those for estimated daily discharges, which are poor. Backwater from Nett Lake occurs at times.

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	8.5	e20	e6.8	e2.4	e1.5	e1.4	e1.5	125	55	4.5	289	14
2	8.7	e50	e6.6	e2.3	e1.5	e1.4	e1.6	158	42	4.1	371	12
3	6.6	e80	e6.2	e2.2	e1.5	e1.4	e1.8	173	34	3.2	251	9.6
4	5.5	e72	e5.8	e2.2	e1.5	e1.4	e2.1	142	26	2.7	160	9.6
5	4.4	e64	e5.4	e2.2	e1.5	e1.4	e7.0	117	21	3.5	112	9.6
6	3.6	e58	e5.2	e2.2	e1.5	e1.3	e10	104	15	2.6	87	9.6
7	3.4	e75	e4.8	e2.1	e1.5	e1.3	e45	98	11	2.5	63	7.7
8	3.0	e90	e4.7	e2.1	e1.5	e1.3	e135	96	8.9	2.2	56	8.5
9	2.9	e100	e4.5	e2.0	e1.5	e1.3	e180	92	11	1.8	55	8.7
10	2.6	e95	e4.3	e2.0	e1.4	e1.3	e160	96	9.3	1.7	47	7.9
11	2.3	e86	e4.2	e2.0	e1.4	e1.3	e155	79	7.9	1.7	36	8.2
12	2.0	e76	e4.0	e1.9	e1.4	e1.3	e205	61	7.4	1.5	35	7.4
13	3.1	e66	e3.8	e1.9	e1.4	e1.3	e370	51	8.4	1.8	31	7.5
14	19	e57	e3.7	e1.9	e1.4	e1.3	e360	44	42	1.8	27	7.4
15	47	e49	e3.5	e1.9	e1.4	e1.3	328	36	70	1.8	47	7.1
16	35	e41	e3.4	e1.8	e1.4	e1.3	e260	76	78	2.0	97	6.6
17	28	e36	e3.3	e1.8	e1.4	e1.3	e214	97	60	2.6	109	6.6
18	28	e28	e3.2	e1.8	e1.4	e1.3	169	86	43	2.7	103	6.5
19	21	e23	e3.1	e1.7	e1.4	e1.3	155	61	31	7.4	80	6.3
20	17	e19	e3.0	e1.7	e1.4	e1.3	164	54	27	8.0	56	5.6
21	15	e16	e2.9	e1.7	e1.4	e1.3	188	108	22	8.7	43	5.1
22	15	e14	e2.8	e1.7	e1.4	e1.3	173	279	17	7.7	33	4.9
23	13	e12	e2.8	e1.6	e1.4	e1.3	159	432	13	5.9	29	4.5
24	10	e11	e2.7	e1.6	e1.4	e1.3	150	350	11	4.9	25	4.7
25	16	e9.8	e2.7	e1.6	e1.4	e1.3	158	250	9.4	4.2	20	4.6
26	20	e9.2	e2.6	e1.6	e1.4	e1.3	165	225	7.9	3.8	18	4.0
27	28	e8.6	e2.6	e1.6	e1.4	e1.3	148	208	6.2	3.4	15	3.8
28	27	e8.2	e2.6	e1.6	e1.4	e1.3	135	164	5.0	3.2	15	3.5
29	23	e7.6	e2.5	e1.5	---	e1.3	125	127	4.4	2.7	14	3.7
30	21	e7.2	e2.5	e1.5	---	e1.4	121	100	4.1	4.1	11	3.0
31	19	---	e2.4	e1.5	---	e1.4	---	77	---	6.0	12	---
TOTAL	458.6	1288.6	118.6	57.6	40.1	41.0	4446.0	4166	707.9	114.7	2347	208.2
MEAN	14.8	43.0	3.83	1.86	1.43	1.32	148	134	23.6	3.70	75.7	6.94
MAX	47	100	6.8	2.4	1.5	1.4	370	432	78	8.7	371	14
MIN	2.0	7.2	2.4	1.5	1.4	1.3	1.5	36	4.1	1.5	11	3.0
AC-FT	910	2560	235	114	80	81	8820	8260	1400	228	4660	413
CFSM	.47	1.35	.12	.06	.05	.04	4.66	4.23	.74	.12	2.38	.22
IN.	.54	1.51	.14	.07	.05	.05	5.20	4.87	.83	.13	2.75	.24

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	23.8	21.8	6.28	2.25	1.93	4.61	92.5	74.3	10.9	15.8	23.6	14.5
MAX	65.4	43.0	11.7	6.18	4.61	10.9	148	136	23.6	32.5	75.7	48.0
(WY)	1996	2001	1997	1997	1998	1998	2001	1996	2001	1996	2001	1999
MIN	3.11	6.00	3.02	.19	.000	1.32	20.1	18.4	6.78	3.70	.83	.042
(WY)	1999	1999	2000	1999	1999	2001	2000	1998	1998	2001	1998	1998

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1996 - 2001

ANNUAL TOTAL	4880.90	13994.3	
ANNUAL MEAN	13.3	38.3	24.4
HIGHEST ANNUAL MEAN			38.3
LOWEST ANNUAL MEAN			9.77
HIGHEST DAILY MEAN	149	May 9	432
LOWEST DAILY MEAN	.00	Feb 9	1.3
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 9	1.3
MAXIMUM PEAK FLOW			445b
MAXIMUM PEAK STAGE			12.21c
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	9680	27760	17670
ANNUAL RUNOFF (CFSM)	.42	1.21	.77
ANNUAL RUNOFF (INCHES)	5.71	16.37	10.42
10 PERCENT EXCEEDS	29	126	60
50 PERCENT EXCEEDS	5.4	7.0	7.0
90 PERCENT EXCEEDS	.10	1.4	.81

- a Many days, several years.
- b Gage height, 11.50 ft.
- c Backwater from ice.
- d From highwater mark, backwater from ice.
- e Estimated.

