

RAINY RIVER BASIN--Continued

05131448 WOOD DUCK CREEK NEAR NETT LAKE, MN

LOCATION.-- Lat 48°09'24", long 93°08'20", in SW¹/₄SW¹/₄ 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 sea level (from topographic map).

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	5.7	e13	e.86	e.00	e.00	e94	31	14	6.2	12	2.4
2	.00	e5.6	e17	e.76	e.00	e.00	e102	28	12	7.0	10	2.4
3	.00	e5.3	e16	e.66	e.00	e.00	e96	26	9.6	8.3	9.7	6.6
4	.00	e5.0	e15	e.58	e.00	e.00	e102	24	7.9	13	9.0	43
5	.00	e4.8	e19	e.50	e.00	e.00	e113	22	8.4	22	8.5	86
6	.53	4.4	e24	e.43	e.00	e.00	e160	22	9.4	51	8.4	106
7	.54	4.0	e32	e.36	e.00	e.00	e210	25	13	62	9.2	100
8	.23	3.8	e26	e.32	e.00	e.00	281	27	13	50	9.0	78
9	.03	3.9	e19	e.28	e.00	e.00	282	27	11	46	9.6	62
10	.00	4.6	e15	e.24	e.00	e.00	240	49	12	53	9.1	60
11	.01	5.6	e12	e.21	e.00	e.00	223	89	12	52	9.3	56
12	.41	e5.6	e9.0	e.18	e.00	e.00	196	151	11	40	19	51
13	.57	e5.6	e6.7	e.15	e.00	e.00	176	165	11	30	45	55
14	.81	e5.8	e5.8	e.13	e.00	e.00	158	136	9.5	26	37	60
15	.92	e5.8	e5.1	e.10	e.00	e.00	144	105	7.8	22	40	61
16	2.1	e5.8	e4.5	e.08	e.00	e.00	140	85	7.2	26	52	56
17	4.9	e5.8	e4.1	e.06	e.00	e.00	128	63	6.4	27	41	50
18	6.0	5.8	e3.7	e.04	e.00	e.00	120	45	5.9	24	32	45
19	8.1	6.3	e3.4	e.02	e.00	e.00	117	34	5.6	21	27	40
20	6.4	e6.3	e3.2	e.00	e.00	e.00	107	34	5.2	18	23	35
21	5.1	e6.3	e2.8	e.00	e.00	e.00	99	54	5.1	15	18	32
22	4.9	6.3	e2.6	e.00	e.00	e.00	93	84	5.5	13	14	29
23	5.7	6.5	e2.4	e.00	e.00	e.00	82	97	5.2	12	11	26
24	5.3	6.6	e2.1	e.00	e.00	e.00	72	101	4.5	10	9.4	25
25	6.0	7.1	e1.9	e.00	e.00	e.00	63	89	4.3	9.8	7.9	23
26	7.0	7.4	e1.7	e.00	e.00	e.00	55	65	4.3	11	6.6	38
27	6.4	7.5	e1.5	e.00	e.00	e.60	50	47	4.0	11	5.4	55
28	6.3	7.7	e1.3	e.00	e.00	e5.0	45	35	3.9	11	4.2	57
29	6.1	8.2	e1.2	e.00	---	e25	39	26	4.0	18	3.7	56
30	6.0	11	e1.1	e.00	---	e52	35	20	4.9	18	3.4	45
31	6.2	---	e1.0	e.00	---	e74	---	17	---	14	3.0	---
TOTAL	96.55	180.1	273.1	5.96	0.00	156.60	3822	1823	237.6	747.3	506.4	1441.4
MEAN	3.11	6.00	8.81	.19	.000	5.05	127	58.8	7.92	24.1	16.3	48.0
MAX	8.1	11	32	.86	.00	74	282	165	14	62	52	106
MIN	.00	3.8	1.0	.00	.00	.00	35	17	3.9	6.2	3.0	2.4
AC-FT	192	357	542	12	.00	311	7580	3620	471	1480	1000	2860
CFSM	.10	.19	.28	.01	.00	.16	4.01	1.85	.25	.76	.51	1.51
IN.	.11	.21	.32	.01	.00	.18	4.47	2.13	.28	.87	.59	1.69

e Estimated

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	26.5	20.1	7.72	2.82	2.52	5.52	96.6	65.6	8.46	21.3	15.8	18.0
MAX	65.4	37.9	11.7	6.18	4.61	10.9	127	136	11.3	32.5	45.0	48.0
(WY)	1996	1997	1997	1997	1998	1998	1999	1996	1997	1996	1996	1999
MIN	3.11	6.00	3.05	.19	.000	2.25	45.9	18.4	6.78	5.50	.83	.042
(WY)	1999	1999	1998	1999	1999	1996	1998	1998	1998	1998	1998	1998

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1996 - 1999
ANNUAL TOTAL	3439.02	9290.01	
ANNUAL MEAN	9.42	25.5	24.3
HIGHEST ANNUAL MEAN			37.4
LOWEST ANNUAL MEAN			9.77
HIGHEST DAILY MEAN	60	Apr 14	282
LOWEST DAILY MEAN	.00	Sep 8	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 8	.00
INSTANTANEOUS PEAK FLOW			300
INSTANTANEOUS PEAK STAGE			11.13
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	6820	18430	17590
ANNUAL RUNOFF (CFSM)	.30	.80	.76
ANNUAL RUNOFF (INCHES)	4.02	10.87	10.37
10 PERCENT EXCEEDS	25	80	57
50 PERCENT EXCEEDS	5.0	6.7	7.8
90 PERCENT EXCEEDS	.22	.00	.60

a Many days.
 b Many days in 1998 and 1999.
 c From highwater mark, backwater from ice.

