

**LAKE OF THE WOODS BASIN**

**05131448 WOOD DUCK RIVER NEAR NETT LAKE, MN**

LOCATION.-- Lat 48°09'24", long 93°08'20", in SW¼SW¼ sec. 35, T.66 N., R.22 W., Koochiching County, Hydrologic Unit 0903000, at bridge on Indian 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 1996 TO SEPTEMBER 1997**

**DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP							
1	24	e63	e17	e8.3	e4.5	e3.4	e15	67	25
16	1.6	.81							
2	24	e56	e16	e8.1	e4.4	e3.4	e25	59	22
22	1.4	.75							
3	24	e51	e16	e7.9	e4.3	e3.4	e50	50	18
51	1.4	.73							
4	24	e48	e15	e7.7	e4.2	e3.4	e66	45	16
91	1.3	.73							
5	23	e48	e15	e7.5	e4.2	e3.4	e94	42	16
88	1.1	.77							
6	22	e48	e14	e7.3	e4.1	e3.4	e125	45	14
69	.99	.74							
7	22	e50	e14	e7.1	e4.0	e3.4	e200	54	13
52	.93	.79							
8	21	e51	e14	e7.0	e3.9	e3.4	e230	49	11
41	1.0	.87							
9	20	e49	e13	e6.8	e3.9	e3.4	e210	55	9.5
32	.91	.86							
10	21	e44	e13	e6.7	e3.8	e3.4	e180	57	8.5
27	.67	.82							
11	21	e40	e13	e6.6	e3.8	e3.4	e130	53	7.7
23	.63	.81							
12	20	e36	e12	e6.5	e3.7	e3.4	e115	52	7.1
22	.60	.81							
13	20	e34	e12	e6.4	e3.6	e3.4	e105	51	6.2
20	.54	.87							
14	21	e33	e12	e6.3	e3.6	e3.4	e100	46	5.6



- e Estimated

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)**

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP							
MEAN	47.5	31.5	9.50	4.34	2.74	3.06	107	92.6	9.56
27.9	22.9	12.0							
MAX	65.4	37.9	11.7	6.18	3.71	3.87	114	136	11.3
32.5	45.0	22.5							
(WY)	1996	1997	1997	1997	1997	1997	1997	1996	1997
1996	1996	1996							
MIN	29.6	25.2	7.30	2.50	1.80	2.25	98.9	49.6	7.78
23.3	.85	1.56							
(WY)	1997	1996	1996	1996	1996	1996	1996	1997	1996
1997	1997	1997							

*SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1996 - 1997*

ANNUAL TOTAL		13097.8				8932.87			
ANNUAL MEAN		35.8				24.5			30.9
HIGHEST ANNUAL MEAN									
37.4									1996
LOWEST ANNUAL MEAN									
24.5									1997
HIGHEST DAILY MEAN		281		May 1		230a	Apr 8	281	May
1 1996									
LOWEST DAILY MEAN		1.8		Feb 1		.54	Aug 13	.54	Aug
13 1997									
ANNUAL SEVEN-DAY MIN		1.8		Feb 1		.58	Aug 12	.58	Aug
12 1997									
INSTANTANEOUS PEAK FLOW								322	May
1 1996									
INSTANTANEOUS PEAK STAGE						12.88b	Apr 7	12.88a	Apr
7 1997									
INSTANTANEOUS LOW FLOW						.54	Aug 12	.54	Aug
12 1997									
ANNUAL RUNOFF (AC-FT)		25980				17720		22420	
ANNUAL RUNOFF (CFSM)		1.13				.77		.97	
ANNUAL RUNOFF (INCHES)		15.32				10.45		13.22	
10 PERCENT EXCEEDS		82				62		76	
50 PERCENT EXCEEDS		19				9.4		13	
90 PERCENT EXCEEDS		1.8				.88		1.8	

- a Estimated.

b Highwater mark; backwater from ice.