

LAKE OF THE WOODS BASIN

05131455 NETT LAKE RIVER NEAR NETT LAKE, MN

LOCATION.--Lat 48°06'36", long 93°11'12", in NE¼NE¼ 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.

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 good except those for winter period, which are fair. Regulation from Nett Lake Dam upstream of gage.

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	52	e230	e146	e75	e32	e23	e57	662	201
46	.65	.12							
2	40	e235	e144	e75	e32	e23	71	653	193
72	.89	.12							
3	45	248	e142	e75	e31	e23	e90	595	96
60	1.1	.17							
4	49	248	e140	e74	e31	e22	e120	543	7.4
67	1.5	.07							
5	46	244	e138	e72	e31	e22	e150	559	9.2
77	.75	.28							
6	43	254	e136	e69	e30	e21	e180	628	9.1
96	.94	.09							
7	51	256	e134	e67	e30	e21	e200	605	13
102	1.1	.04							
8	43	256	e132	e66	e29	e21	e215	543	6.7
111	.58	.03							
9	45	e245	e131	e65	e28	e21	e225	543	4.6
105	.24	.02							
10	42	e240	e129	e63	e28	e22	e245	522	4.2
101	.09	.13							
11	35	e225	e127	e62	e27	e22	e275	482	5.3
97	.49	.17							
12	41	e209	e126	e60	e26	e22	e360	474	4.6
98	.38	.03							
13	36	e200	e125	e59	e25	e21	478	453	5.4

- 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	114	173	96.0	53.1	31.6	25.5	294	466	57.5
48.1	1.45	6.17							
MAX	153	202	114	54.3	37.3	27.5	373	512	89.6
94.8	2.45	12.3							
(WY)	1996	1997	1997	1997	1996	1996	1997	1996	1996
1997	1996	1996							
MIN	75.5	144	77.9	52.0	25.8	23.5	215	420	25.4
1.41	.44	.077							
(WY)	1997	1996	1996	1996	1997	1997	1996	1997	1997
1996	1997	1997							

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

ANNUAL TOTAL		40976.30		42976.70		
ANNUAL MEAN		112		118		114
HIGHEST ANNUAL MEAN						
118		1997				
LOWEST ANNUAL MEAN						
111		1996				
HIGHEST DAILY MEAN		661	May 3	662	May 1	662
May 1		1997				
LOWEST DAILY MEAN		.00	Jun 21	.01	Sep 13,19,20,29,30	.00a
Jun 21		1996				
ANNUAL SEVEN-DAY MIN		.00	Aug 13	.03	Sep 17	.00
Aug 13		1996				
INSTANTANEOUS PEAK FLOW				681	May 1	681
May 1		1997				
INSTANTANEOUS PEAK STAGE				5.15	May 1	5.15
May 1		1997				
ANNUAL RUNOFF (AC-FT)		81280		85240		82780
ANNUAL RUNOFF (CFSM)		.87		.92		.89
ANNUAL RUNOFF (INCHES)		11.91		12.49		12.13
10 PERCENT EXCEEDS		379		363		366
50 PERCENT EXCEEDS		42		55		48
90 PERCENT EXCEEDS		.48		.20		.27

- a Many days in 1996.