

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.

DRAINAGE AREA.--31.8 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 1,200.00 ft above sea level (NGVD of 1929), from GPS survey. Prior to Oct. 1, 2002 at datum 71.92 ft higher.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.27	e0.71	e3.1	e2.9	1.0	e0.76	e44	42	220	7.3	0.87	0.76
2	e0.32	e0.70	e3.0	e2.7	e0.95	e0.77	e52	38	175	7.0	0.82	0.80
3	e0.26	e0.67	e3.0	e2.6	0.87	e0.78	e60	37	137	7.0	0.79	0.74
4	e0.30	e0.65	e2.9	e2.4	e0.86	e0.78	e66	32	106	7.0	0.73	0.73
5	e0.31	e0.62	e2.9	e2.3	0.85	e0.79	e70	33	90	6.6	0.71	1.3
6	e0.32	e0.58	e2.8	2.2	e0.84	e0.79	e76	28	84	6.0	0.71	14
7	e0.32	e0.56	e2.8	2.0	e0.84	e0.79	e110	29	85	5.8	0.73	28
8	e0.33	e0.55	e2.8	1.9	e0.84	e0.80	174	27	84	5.4	0.67	27
9	e0.36	e0.56	e2.7	1.8	e0.83	e0.81	183	27	70	4.7	0.66	27
10	e0.46	e0.61	e2.6	1.8	e0.82	e0.85	165	24	60	4.5	0.69	25
11	e0.36	e0.70	e2.6	1.9	e0.81	e0.86	145	24	49	7.0	0.76	22
12	e0.40	e0.85	e2.6	2.0	e0.80	e0.88	110	27	40	7.5	0.77	21
13	e0.43	e1.0	e2.6	2.5	e0.80	e0.89	80	34	33	5.3	0.76	20
14	e0.42	e1.2	e2.6	e2.5	e0.80	e0.89	62	34	29	4.6	0.75	17
15	e0.37	e1.3	e2.5	e2.5	0.79	e0.90	51	31	26	3.9	0.75	20
16	e0.36	e1.5	e2.4	e2.4	e0.77	e0.90	54	28	26	3.4	0.73	53
17	e0.42	e1.7	e2.4	e2.3	e0.76	e0.91	64	34	24	3.1	0.68	64
18	e0.40	e2.0	e2.3	e2.1	e0.75	e0.92	80	36	20	2.9	0.58	58
19	e0.46	e2.7	e2.3	e1.7	e0.74	e0.94	106	29	19	2.4	0.62	50
20	e0.39	e3.9	e2.3	1.5	e0.74	e0.98	109	27	17	2.3	0.58	46
21	e0.37	e4.2	e2.2	1.4	e0.74	e1.0	108	23	16	1.8	0.65	45
22	e0.42	e4.0	e2.2	e1.3	e0.74	e1.1	99	19	15	1.6	0.59	42
23	e0.39	e3.8	e2.2	e1.2	e0.73	e1.1	89	15	13	1.4	0.69	42
24	e0.49	e3.6	e2.2	1.2	e0.72	e1.2	78	13	12	1.3	0.70	46
25	e0.40	e3.4	e2.2	1.2	e0.72	e1.4	69	22	12	1.1	0.64	47
26	e0.44	e3.3	2.2	e1.2	e0.73	e1.8	61	33	11	1.1	0.66	46
27	e0.61	e3.3	e2.3	e1.2	e0.73	e2.5	60	44	10	1.1	0.58	47
28	e0.62	e3.2	e2.5	e1.1	e0.74	e4.0	56	42	9.6	1.0	0.63	41
29	e0.64	e3.2	e2.8	1.1	e0.75	e9.0	49	35	8.7	0.93	0.67	38
30	e0.68	e3.1	e3.1	1.1	---	e15	46	49	7.7	0.93	0.63	36
31	e0.64	---	e3.0	e1.0	---	e35	---	189	---	0.92	0.70	---
TOTAL	12.96	58.16	80.1	57.0	23.06	90.09	2,576	1,105	1,509.0	116.88	21.50	926.33
MEAN	0.42	1.94	2.58	1.84	0.80	2.91	85.9	35.6	50.3	3.77	0.69	30.9
MAX	0.68	4.2	3.1	2.9	1.0	35	183	189	220	7.5	0.87	64
MIN	0.26	0.55	2.2	1.0	0.72	0.76	44	13	7.7	0.92	0.58	0.73
AC-FT	26	115	159	113	46	179	5,110	2,190	2,990	232	43	1,840
CFSM	0.01	0.06	0.08	0.06	0.03	0.09	2.70	1.12	1.58	0.12	0.02	0.97
IN.	0.02	0.07	0.09	0.07	0.03	0.11	3.01	1.29	1.77	0.14	0.03	1.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	17.5	16.5	6.61	2.25	1.55	3.79	76.9	58.1	20.9	12.4	16.0	13.1
MAX	65.4	43.0	18.6	6.18	4.61	10.9	148	136	58.8	32.5	75.7	48.0
(WY)	(1996)	(2001)	(2002)	(1997)	(1998)	(1998)	(2001)	(1996)	(2002)	(1996)	(2001)	(1999)
MIN	0.42	1.94	0.64	0.11	0.00	0.47	7.09	11.9	6.78	3.70	0.69	0.04
(WY)	(2004)	(2004)	(2003)	(2003)	(1999)	(2002)	(2003)	(2003)	(1998)	(2001)	(2004)	(1998)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	1,501.20		6,576.08			
ANNUAL MEAN	4.11		18.0		20.5	
HIGHEST ANNUAL MEAN					38.3	2001
LOWEST ANNUAL MEAN					4.13	2003
HIGHEST DAILY MEAN	28	May 23	220	Jun 1	432	May 23, 2001
LOWEST DAILY MEAN	0.00	Feb 1	0.26	Oct 3	a0.00	Sep 8, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 1	0.30	Oct 1	0.00	Sep 8, 1998
MAXIMUM PEAK FLOW			234	Jun 1	bc445	May 23, 2001
MAXIMUM PEAK STAGE			81.82	Jun 1	cd84.80	Apr 7, 1997
INSTANTANEOUS LOW FLOW			f0.26	Oct 3	a0.00	Sep 7, 1998
ANNUAL RUNOFF (AC-FT)	2,980		13,040		14,850	
ANNUAL RUNOFF (CFSM)	0.129		0.565		0.644	
ANNUAL RUNOFF (INCHES)	1.76		7.69		8.76	
10 PERCENT EXCEEDS	12		57		53	
50 PERCENT EXCEEDS	1.4		2.3		5.4	
90 PERCENT EXCEEDS	0.00		0.62		0.40	

- a Many days, several years.
- b Gage height, 83.42 ft.
- c Present datum.
- d From highwater mark, backwater from ice.
- e Estimated.
- f Estimated, daily-mean, backwater from Nett Lake.

