

## 05079200 COUNTY DITCH 72 NEAR MAPLE BAY, MN

LOCATION.--Lat 47°48'13", long 96°16'36", in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 22, T.150 N., R.44 W., Polk County, Hydrologic Unit 09020303, at culvert on State Highway 32, 2.4 miles west of Maple Bay.

DRAINAGE AREA.--10.3 mi<sup>2</sup>.

PERIOD OF RECORD.--September 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,133.55 ft above sea level (NAVD of 1988).

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.34	14	0.60	e0.01	e0.00	e0.00	e11	1.4	1.1	8.0	0.02	0.35
2	0.26	13	0.51	e0.01	e0.00	e0.00	e28	1.2	0.83	6.9	0.02	0.28
3	0.22	12	e0.44	e0.01	e0.00	e0.00	29	0.89	0.80	8.3	0.03	0.25
4	0.18	12	e0.48	e0.01	e0.00	e0.00	28	0.76	0.82	7.4	0.03	0.22
5	0.12	12	0.37	e0.01	e0.00	e0.00	28	0.70	3.0	6.7	0.03	0.82
6	0.13	11	0.30	e0.00	e0.00	e0.00	25	0.62	5.6	6.2	0.02	5.3
7	0.10	11	0.30	e0.00	e0.00	e0.00	23	0.57	4.9	5.6	0.02	3.8
8	0.09	10	e0.30	e0.00	e0.00	e0.00	20	0.74	6.9	5.0	0.03	2.6
9	0.07	9.6	e0.29	e0.00	e0.00	e0.00	17	1.4	5.2	4.1	0.04	3.0
10	0.05	9.1	e0.29	e0.00	e0.00	e0.00	14	1.4	4.1	3.1	0.04	5.4
11	0.03	8.1	e0.29	e0.00	e0.00	e0.00	15	1.2	6.1	2.4	0.06	4.1
12	0.03	7.3	e0.28	e0.00	e0.00	e0.00	20	0.86	10	1.9	0.06	3.0
13	0.03	e6.4	e0.27	e0.00	e0.00	e0.00	19	0.94	8.0	1.5	0.05	2.3
14	0.01	e6.2	0.26	e0.00	e0.00	e0.00	15	1.5	10	1.2	0.04	1.9
15	0.02	e5.6	e0.24	e0.00	e0.00	e0.00	10	1.3	9.1	0.88	0.02	1.7
16	0.05	e5.1	e0.22	e0.00	e0.00	e0.00	5.7	1.1	9.4	0.67	0.02	1.5
17	0.07	e4.7	e0.20	e0.00	e0.00	e0.00	3.8	0.91	9.5	0.51	0.25	1.4
18	0.06	e4.3	0.17	e0.00	e0.00	e0.00	3.1	0.75	9.1	0.40	0.83	1.2
19	0.10	e3.9	0.12	e0.00	e0.00	e0.00	5.9	0.66	9.6	0.31	3.3	1.2
20	0.13	e3.5	e0.11	e0.00	e0.00	e0.02	8.3	0.53	10	0.22	3.6	1.1
21	0.14	e3.2	e0.09	e0.00	e0.00	e0.06	5.1	1.2	10	0.15	2.3	1.1
22	0.14	e2.7	e0.06	e0.00	e0.00	e0.12	3.6	1.8	9.0	0.10	1.7	0.97
23	1.3	e2.2	e0.05	e0.00	e0.00	e0.26	2.7	1.2	8.7	0.08	1.1	0.88
24	2.2	1.9	e0.04	e0.00	e0.00	e0.40	2.0	0.91	8.6	0.06	0.74	0.82
25	2.0	1.5	e0.03	e0.00	e0.00	e0.25	1.6	1.2	7.9	0.07	1.1	0.60
26	1.5	1.4	e0.03	e0.00	e0.00	e0.40	8.5	1.8	7.4	0.08	2.0	0.39
27	1.1	1.3	e0.02	e0.00	e0.00	e1.8	12	2.0	7.3	0.07	1.6	0.33
28	1.3	1.2	e0.02	e0.00	e0.00	e3.0	11	2.7	6.8	0.06	1.1	0.27
29	5.7	0.97	e0.02	e0.00	---	e4.7	4.8	3.1	6.9	0.04	0.82	0.24
30	30	0.85	e0.02	e0.00	---	e7.8	2.0	2.3	8.2	0.04	0.60	0.21
31	15	---	e0.02	e0.00	---	e7.8	---	1.5	---	0.03	0.45	---
TOTAL	62.47	186.02	6.44	0.05	0.00	26.61	382.1	39.14	204.85	72.07	22.02	47.23
MEAN	2.02	6.20	0.21	0.00	0.00	0.86	12.7	1.26	6.83	2.32	0.71	1.57
MAX	30	14	0.60	0.01	0.00	7.8	29	3.1	10	8.3	3.6	5.4
MIN	0.01	0.85	0.02	0.00	0.00	0.00	1.6	0.53	0.80	0.03	0.02	0.21
AC-FT	124	369	13	0.1	0.00	53	758	78	406	143	44	94
CFSM	0.19	0.58	0.02	0.00	0.00	0.08	1.19	0.12	0.64	0.22	0.07	0.15
IN.	0.22	0.65	0.02	0.00	0.00	0.09	1.33	0.14	0.71	0.25	0.08	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	0.88	2.26	0.08	0.00	0.00	2.20	5.38	2.95	4.97	1.76	0.28	0.78
MAX	2.02	6.20	0.21	0.00	0.00	4.94	12.7	4.67	6.83	2.32	0.71	1.57
(WY)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)
MIN	0.07	0.04	0.01	0.00	0.00	0.79	1.19	1.26	2.36	1.20	0.04	0.06
(WY)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2005)	(2004)	(2004)	(2003)	(2003)

05079200 COUNTY DITCH 72 NEAR MAPLE BAY, MN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	750.84		1,049.00			
ANNUAL MEAN	2.05		2.87		1.79	
HIGHEST ANNUAL MEAN					2.87	2005
LOWEST ANNUAL MEAN					1.13	2003
HIGHEST DAILY MEAN	41	Mar 28	30	Oct 30	a41	Mar 28, 2004
LOWEST DAILY MEAN	0.00	Jan 1	b0.00	Jan 6	c0.00	Dec 26, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Jan 6	0.00	Dec 26, 2002
MAXIMUM PEAK FLOW			52	Oct 30	52	Oct 30, 2004
MAXIMUM PEAK STAGE			4.68	Oct 30	4.68	Oct 30, 2004
INSTANTANEOUS LOW FLOW			d0.00	Jan 6	d0.00	Dec 26, 2002
ANNUAL RUNOFF (AC-FT)	1,490		2,080		1,300	
ANNUAL RUNOFF (CFSM)	0.192		0.269		0.167	
ANNUAL RUNOFF (INCHES)	2.61		3.65		2.27	
10 PERCENT EXCEEDS	5.5		9.1		5.1	
50 PERCENT EXCEEDS	0.28		0.60		0.25	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

- a Estimated daily-mean.
- b Many days.
- c Many days, several years.
- d Estimated, minimum daily.
- e Estimated.

