

## RED RIVER OF THE NORTH BASIN--Continued

05079250 COUNTY DITCH 65 NEAR MAPLE BAY, MN

LOCATION.--Lat 47°36'43", long 96°16'45", in SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T.148 N., R.44 W., Polk County, Hydrologic Unit 09020303, at culvert on State Highway 32, 3.0 miles west of Maple Bay.

DRAINAGE AREA.--10.4 mi<sup>2</sup>.

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

GAGE--Water-stage recorder. Datum of gage is 1,138.95 ft above sea level (NAVD of 1988).

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

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

Date	Discharge								
SEP 11	--	SEP 15	0.79	SEP 19	0.34	SEP 23	0.23	SEP 27	0.11
SEP 12	1.8	SEP 16	0.65	SEP 20	0.18	SEP 24	0.20	SEP 28	0.18
SEP 13	1.5	SEP 17	0.47	SEP 21	0.13	SEP 25	0.18	SEP 29	0.15
SEP 14	1.1	SEP 18	0.39	SEP 22	0.15	SEP 26	0.08	SEP 30	0.16

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.75	e0.37	e0.16	e0.03	e0.02	1.2	1.9	9.7	9.4	0.05	0.00
2	0.13	0.71	e0.30	e0.16	e0.03	e0.02	0.86	1.5	13	6.7	0.06	0.01
3	0.14	0.87	e0.28	e0.16	e0.02	e0.02	0.56	1.8	9.6	5.3	0.05	0.00
4	0.18	1.0	e0.27	e0.16	e0.02	e0.02	e0.53	6.4	7.0	3.7	0.05	0.00
5	0.15	1.1	e0.26	e0.16	e0.02	e0.02	e0.51	8.2	5.1	2.3	0.05	0.00
6	0.19	1.2	e0.25	e0.16	e0.02	e0.02	e0.49	7.7	3.9	1.9	0.05	0.00
7	0.19	1.3	e0.25	e0.16	e0.02	e0.02	e0.53	7.0	5.6	1.3	0.04	0.00
8	0.22	1.3	e0.25	e0.16	e0.02	e0.02	e0.60	5.6	5.9	1.1	0.04	0.00
9	0.22	1.3	e0.25	e0.16	e0.02	e0.02	0.75	8.5	4.8	1.1	0.04	0.00
10	0.22	1.4	e0.25	e0.15	e0.02	e0.02	1.1	16	33	1.3	0.04	0.00
11	0.22	1.3	e0.25	e0.14	e0.02	e0.02	2.7	15	28	1.5	0.04	0.00
12	0.24	1.1	e0.25	e0.13	e0.02	e0.02	1.5	11	17	1.8	0.04	0.00
13	0.25	0.87	e0.25	e0.11	e0.02	e0.02	0.94	8.3	12	1.3	0.03	0.01
14	0.25	0.73	e0.25	e0.09	e0.02	e0.06	0.92	6.6	8.4	1.7	0.03	0.01
15	0.23	0.58	e0.24	e0.08	e0.02	e0.20	1.2	5.7	5.9	1.7	0.02	0.01
16	0.20	0.53	e0.24	e0.07	e0.02	e0.70	1.4	5.0	5.1	1.3	0.02	0.00
17	e0.18	0.54	e0.24	e0.07	e0.02	e1.9	1.7	5.0	5.3	0.93	0.02	0.01
18	e0.24	0.59	e0.24	e0.06	e0.02	e6.0	3.0	6.6	3.9	0.72	0.01	0.03
19	e0.28	0.63	e0.24	e0.06	e0.02	e6.4	6.6	17	2.8	0.57	0.01	0.02
20	e0.30	0.74	e0.23	e0.05	e0.02	e4.3	8.2	15	1.9	0.48	0.01	0.02
21	e0.40	0.95	e0.20	e0.05	e0.02	e3.2	7.4	11	1.3	0.33	0.01	0.03
22	e0.52	0.99	e0.18	e0.04	e0.02	e2.5	5.5	9.1	1.9	0.27	0.00	0.04
23	e0.53	0.96	e0.16	e0.04	e0.02	e2.0	4.0	9.2	7.1	0.24	0.02	0.03
24	e0.51	e0.60	e0.16	e0.04	e0.02	e1.5	3.4	7.9	9.6	0.18	0.02	0.03
25	e0.46	e0.39	e0.16	e0.04	e0.02	1.3	3.2	6.6	81	0.15	0.02	0.02
26	0.56	e0.34	e0.15	e0.03	e0.02	1.0	2.9	5.3	74	0.16	0.02	0.02
27	0.61	e0.33	e0.15	e0.03	e0.02	1.0	2.8	4.6	45	0.12	0.02	0.02
28	0.98	e0.33	e0.15	e0.03	e0.02	0.98	2.4	4.5	26	0.10	0.02	0.02
29	1.2	e0.36	e0.16	e0.03	---	1.5	2.1	3.9	20	0.08	0.02	0.02
30	1.1	e0.40	e0.16	e0.03	---	1.3	1.9	4.0	15	0.06	0.01	0.02
31	0.95	---	e0.16	e0.03	---	1.2	---	4.1	---	0.05	0.00	---
TOTAL	11.98	24.19	6.95	2.84	0.58	37.30	70.89	230.0	468.8	47.84	0.86	0.37
MEAN	0.39	0.81	0.22	0.092	0.021	1.20	2.36	7.42	15.6	1.54	0.028	0.012
MAX	1.2	1.4	0.37	0.16	0.03	6.4	8.2	17	81	9.4	0.06	0.04
MIN	0.13	0.33	0.15	0.03	0.02	0.02	0.49	1.5	1.3	0.05	0.00	0.00
AC-FT	24	48	14	5.6	1.2	74	141	456	930	95	1.7	0.7
CFSM	0.04	0.08	0.02	0.01	0.00	0.12	0.23	0.71	1.50	0.15	0.00	0.00
IN.	0.04	0.09	0.02	0.01	0.00	0.13	0.25	0.82	1.68	0.17	0.00	0.00

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

05079250 COUNTY DITCH 65 NEAR MAPLE BAY, MN—Continued

## SUMMARY STATISTICS

	FOR 2003 WATER YEAR	WATER YEARS 2002 - 2003
ANNUAL TOTAL	902.60	
ANNUAL MEAN	2.47	2.47
HIGHEST ANNUAL MEAN		2.47
LOWEST ANNUAL MEAN		2.47
HIGHEST DAILY MEAN	81 Jun 25	81 Jun 25, 2003
LOWEST DAILY MEAN	a0.00 Aug 22	a0.00 Aug 22, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00 Sep 3	0.00 Sep 3, 2003
MAXIMUM PEAK FLOW	102 Jun 25	102 Jun 25, 2003
MAXIMUM PEAK STAGE	2.37 Jun 25	2.37 Jun 25, 2003
INSTANTANEOUS LOW FLOW	a0.00 Aug 18	a0.00 Aug 18, 2003
ANNUAL RUNOFF (AC-FT)	1,790	1,790
ANNUAL RUNOFF (CFSM)	0.000	0.000
ANNUAL RUNOFF (INCHES)	0.00	0.00
10 PERCENT EXCEEDS	6.6	6.6
50 PERCENT EXCEEDS	0.25	0.25
90 PERCENT EXCEEDS	0.02	0.02

a Many days.

e Estimated.

