

05078520 CYR CREEK NEAR MARCOUX CORNERS, MN

LOCATION.--Lat 47°48'13", long 96°16'36", in NW¹/₄NE¹/₄ sec. 22, T.150 N., R.44 W., Red lake County, Hydrologic Unit 09020303, at culvert on County Highway 14, 0.5 miles west of State Highway 32, 3.0 miles north of Marcoux Corners.

DRAINAGE AREA.--11.4 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 1,057.88 ft above sea level (NAVD 1988).

REMARKS.--Records good except those for estimated daily discharges, or discharges less than 1.0 ft³/s, which are poor.

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	0.00	0.00	e0.00	e0.00	e0.00	e0.07	e7.0	0.08	33	0.03	6.6	3.0
2	0.00	0.00	e0.00	e0.00	e0.00	e0.05	5.9	0.06	21	0.04	6.2	1.6
3	0.00	0.00	e0.00	e0.00	e0.00	e0.04	4.5	0.07	13	0.04	5.5	0.89
4	0.00	0.00	e0.00	e0.00	e0.00	e0.04	6.8	0.08	7.9	0.03	5.7	0.70
5	0.00	0.00	e0.00	e0.00	e0.00	e0.04	4.4	0.08	5.2	0.03	5.5	1.6
6	0.00	0.00	e0.00	e0.00	e0.00	e0.04	3.1	0.08	3.5	0.05	6.2	23
7	0.00	0.00	e0.00	e0.00	e0.00	e0.04	2.8	0.05	2.5	0.11	2.9	35
8	0.00	0.00	e0.00	e0.00	e0.00	e0.04	2.8	0.06	1.6	0.16	0.41	19
9	0.00	0.00	e0.00	e0.00	e0.00	e0.06	2.1	0.11	1.4	0.58	2.4	11
10	0.00	0.00	e0.00	e0.00	e0.00	e0.09	1.5	0.10	0.99	0.18	8.3	6.8
11	0.00	0.00	e0.00	e0.00	e0.00	e0.07	1.2	1.9	0.78	0.37	7.9	3.9
12	0.00	0.00	e0.00	e0.00	e0.00	e0.07	1.1	56	0.50	0.33	6.8	2.3
13	0.00	0.00	e0.00	e0.00	e0.00	e0.08	0.90	30	0.33	0.24	6.0	1.5
14	0.00	0.00	e0.00	e0.00	e0.00	e0.08	0.90	15	0.25	0.15	1.3	1.0
15	0.00	0.00	e0.00	e0.00	e0.00	e0.09	0.84	9.0	0.25	1.2	0.19	1.4
16	0.00	0.00	e0.00	e0.00	e0.00	e0.10	0.74	6.6	0.23	2.1	0.11	2.5
17	0.00	0.00	e0.00	0.00	e0.00	e0.11	0.70	4.5	0.14	2.1	0.08	3.0
18	0.00	0.00	e0.00	0.00	e0.00	e0.14	0.85	3.0	0.11	0.44	0.08	1.8
19	0.00	0.00	e0.00	0.00	e0.00	e0.17	0.77	6.0	0.08	0.26	0.07	1.1
20	0.00	0.00	e0.00	0.00	e0.00	e0.24	0.76	14	0.06	2.2	0.07	5.2
21	0.00	0.05	e0.00	0.00	e0.00	e0.29	0.74	7.4	0.06	6.0	0.07	23
22	0.00	0.05	e0.00	0.00	e0.00	e0.30	0.57	4.5	0.05	6.0	0.07	19
23	0.00	0.05	e0.00	0.00	e0.00	e0.33	0.49	3.3	0.05	5.9	0.07	20
24	0.00	0.05	e0.00	0.00	e0.00	e1.5	0.34	2.5	0.04	4.9	0.07	44
25	0.00	e0.03	e0.00	0.00	e0.00	e28	0.28	4.9	0.04	0.90	0.06	31
26	0.00	e0.02	e0.00	e0.00	e0.00	e60	0.23	6.1	0.03	0.11	41	17
27	0.00	e0.01	e0.00	e0.00	e0.00	e32	0.16	3.9	0.03	2.2	41	11
28	0.00	e0.00	e0.00	e0.00	e0.00	e40	0.18	2.4	0.03	9.6	20	7.0
29	0.00	e0.00	e0.00	e0.00	e0.09	e16	0.19	2.5	0.03	6.8	11	4.8
30	0.00	e0.00	e0.00	e0.00	---	e10	0.15	67	0.03	7.3	7.0	3.2
31	0.00	---	e0.00	e0.00	---	e8.2	---	57	---	7.5	5.4	---
TOTAL	0.00	0.26	0.00	0.00	0.09	198.28	52.99	308.27	93.21	67.85	198.05	306.29
MEAN	0.00	0.01	0.00	0.00	0.00	6.40	1.77	9.94	3.11	2.19	6.39	10.2
MAX	0.00	0.05	0.00	0.00	0.09	60	7.0	67	33	9.6	41	44
MIN	0.00	0.00	0.00	0.00	0.00	0.04	0.15	0.05	0.03	0.03	0.06	0.70
AC-FT	0.00	0.5	0.00	0.00	0.2	393	105	611	185	135	393	608
CFSM	0.00	0.00	0.00	0.00	0.00	0.56	0.15	0.87	0.27	0.19	0.56	0.90
IN.	0.00	0.00	0.00	0.00	0.00	0.65	0.17	1.01	0.30	0.22	0.65	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	0.20	0.16	0.03	0.01	0.00	4.42	1.87	6.59	4.32	1.28	3.20	5.10
MAX	0.40	0.32	0.06	0.03	0.00	6.40	1.98	9.94	5.53	2.19	6.39	10.2
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2003)	(2004)	(2003)	(2004)	(2004)	(2004)
MIN	0.00	0.01	0.00	0.00	0.00	2.45	1.77	3.24	3.11	0.37	0.00	0.00
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2003)	(2004)	(2003)	(2003)	(2003)

05078520 CYR CREEK NEAR MARCOUX CORNERS, MN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	414.38		1,225.29			
ANNUAL MEAN	1.14		3.35		2.28	
HIGHEST ANNUAL MEAN					3.35	2004
LOWEST ANNUAL MEAN					1.20	2003
HIGHEST DAILY MEAN	30	Jun 23	67	May 30	67	May 30, 2004
LOWEST DAILY MEAN	0.00	Jan 23	a0.00	Oct 1	b0.00	Jan 23, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 23	0.00	Oct 1	0.00	Jan 23, 2003
MAXIMUM PEAK FLOW			c91	May 30	c91	May 30, 2004
MAXIMUM PEAK STAGE			d4.76	Mar 26	d4.76	Mar 26, 2004
INSTANTANEOUS LOW FLOW			a0.00	Oct 1	b0.00	Jan 23, 2003
ANNUAL RUNOFF (AC-FT)	822		2,430		1,650	
ANNUAL RUNOFF (CFSM)	0.100		0.294		0.200	
ANNUAL RUNOFF (INCHES)	1.35		4.00		2.71	
10 PERCENT EXCEEDS	3.0		7.6		6.0	
50 PERCENT EXCEEDS	0.00		0.07		0.08	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

- a Many days
- b Many days, several years.
- c Gage height, 4.04 ft.
- d Backwater from ice.
- e Estimated.

