

STREAMS TRIBUTARY TO LAKE SUPERIOR

04010520 HOLLOW ROCK CREEK NEAR RED ROCK, MN

LOCATION.--Lat 47°55'07", long 89°44'46", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T.63 N., R.5 E., Cook County, Hydrologic Unit 04010101, on Grand Portage Indian Band property, on left bank, 800 ft upstream from U.S. Highway 61, 0.4 miles west of Red Rock, and 4.4 mi southwest of Grand Portage.

DRAINAGE AREA.--

PERIOD OF RECORD.--May 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 670 ft above sea level (from topographic map).

REMARKS.--Records good.

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	---	---	---	---	---	---	---	---	13	0.93	0.74	0.12
2	---	---	---	---	---	---	---	---	9.0	1.8	0.58	0.10
3	---	---	---	---	---	---	---	---	6.8	1.7	0.40	0.23
4	---	---	---	---	---	---	---	---	5.4	1.3	0.28	0.15
5	---	---	---	---	---	---	---	---	4.4	0.93	0.19	0.07
6	---	---	---	---	---	---	---	---	3.8	0.66	0.23	0.06
7	---	---	---	---	---	---	---	---	3.2	1.8	0.35	0.05
8	---	---	---	---	---	---	---	---	3.0	1.2	0.18	0.04
9	---	---	---	---	---	---	---	---	3.0	0.86	0.11	0.04
10	---	---	---	---	---	---	---	---	2.8	1.5	0.30	0.04
11	---	---	---	---	---	---	---	---	2.5	2.6	0.26	0.04
12	---	---	---	---	---	---	---	---	2.2	1.6	0.11	0.21
13	---	---	---	---	---	---	---	---	2.2	1.1	0.06	0.78
14	---	---	---	---	---	---	---	---	1.9	0.81	0.05	0.35
15	---	---	---	---	---	---	---	---	1.6	2.1	0.04	0.32
16	---	---	---	---	---	---	---	---	1.4	1.3	0.03	0.48
17	---	---	---	---	---	---	---	---	3.1	0.97	0.02	0.22
18	---	---	---	---	---	---	---	---	3.8	0.57	0.02	0.13
19	---	---	---	---	---	---	---	---	2.6	0.39	0.01	0.17
20	---	---	---	---	---	---	---	---	2.0	0.35	0.19	0.64
21	---	---	---	---	---	---	---	13	1.5	4.4	3.7	0.36
22	---	---	---	---	---	---	---	11	1.2	2.8	1.9	0.57
23	---	---	---	---	---	---	---	9.2	1.7	1.6	1.0	0.59
24	---	---	---	---	---	---	---	8.1	1.9	1.0	0.67	0.38
25	---	---	---	---	---	---	---	7.2	2.8	0.67	0.32	0.35
26	---	---	---	---	---	---	---	6.4	2.9	0.47	0.18	0.44
27	---	---	---	---	---	---	---	5.6	2.4	0.30	0.09	0.80
28	---	---	---	---	---	---	---	6.0	1.9	0.18	0.37	0.66
29	---	---	---	---	---	---	---	6.5	1.5	0.19	0.77	0.52
30	---	---	---	---	---	---	---	21	1.2	0.93	0.27	0.45
31	---	---	---	---	---	---	---	21	---	1.00	0.18	---
TOTAL	---	---	---	---	---	---	---	---	96.7	38.01	13.60	9.36
MEAN	---	---	---	---	---	---	---	---	3.22	1.23	0.44	0.31
MAX	---	---	---	---	---	---	---	---	13	4.4	3.7	0.80
MIN	---	---	---	---	---	---	---	---	1.2	0.18	0.01	0.04
AC-FT	---	---	---	---	---	---	---	---	192	75	27	19

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

MEAN	---	---	---	---	---	---	---	---	3.22	1.23	0.44	0.31
MAX	---	---	---	---	---	---	---	---	3.22	1.23	0.44	0.31
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	---	3.22	1.23	0.44	0.31
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)

04010520 HOLLOW ROCK CREEK NEAR RED ROCK, MN—Continued

SUMMARY STATISTICS FOR 2003 WATER YEAR

HIGHEST DAILY MEAN	21	May 30,31
LOWEST DAILY MEAN	0.01	Aug 19
MAXIMUM PEAK FLOW	40	May 30
MAXIMUM PEAK STAGE	4.79	May 30
INSTANTANEOUS LOW FLOW	0.01	Aug 18

