

STREAMS TRIBUTARY TO LAKE SUPERIOR

04010528 RESERVATION RIVER NEAR GRAND PORTAGE, MN

LOCATION.--Lat 47°54'49", long 89°51'15", in SW¹/₄NE¹/₄ sec. 30, T.63 N., R.5 E., Cook County, Hydrologic Unit 04010101, on Grand Portage Indian Band property, on left bank 3.4 miles upstream from mouth and 8.6 mi southwest of Grand Portage.

DRAINAGE AREA.--

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

GAGE.--Water-stage recorder. Elevation of gage is 1,080 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	---	---	---	---	---	---	---	---	19	2.9	2.1	0.76
2	---	---	---	---	---	---	---	---	17	3.8	2.0	0.79
3	---	---	---	---	---	---	---	---	15	3.3	1.8	1.2
4	---	---	---	---	---	---	---	---	14	2.9	1.8	0.85
5	---	---	---	---	---	---	---	---	12	2.6	1.7	0.74
6	---	---	---	---	---	---	---	---	11	2.5	1.7	0.70
7	---	---	---	---	---	---	---	---	9.6	3.5	1.6	0.66
8	---	---	---	---	---	---	---	---	8.8	2.7	1.4	0.67
9	---	---	---	---	---	---	---	---	8.2	2.4	1.3	0.65
10	---	---	---	---	---	---	---	---	7.6	3.5	1.4	0.61
11	---	---	---	---	---	---	---	---	7.0	3.8	1.3	0.60
12	---	---	---	---	---	---	---	---	6.5	3.0	1.1	1.2
13	---	---	---	---	---	---	---	---	6.3	2.7	1.0	1.3
14	---	---	---	---	---	---	---	---	5.5	2.6	0.99	0.99
15	---	---	---	---	---	---	---	---	5.1	3.9	0.95	0.91
16	---	---	---	---	---	---	---	---	4.7	3.0	0.83	0.84
17	---	---	---	---	---	---	---	---	6.7	2.7	0.80	0.79
18	---	---	---	---	---	---	---	---	6.3	2.5	0.72	0.73
19	---	---	---	---	---	---	---	---	5.1	2.3	0.82	1.3
20	---	---	---	---	---	---	---	---	4.5	2.3	1.0	1.6
21	---	---	---	---	---	---	---	---	3.9	2.7	4.9	1.0
22	---	---	---	---	---	---	---	---	17	3.5	1.7	1.2
23	---	---	---	---	---	---	---	---	16	4.4	2.3	1.1
24	---	---	---	---	---	---	---	---	15	5.0	2.2	1.0
25	---	---	---	---	---	---	---	---	14	4.9	2.1	0.98
26	---	---	---	---	---	---	---	---	13	4.5	2.1	0.90
27	---	---	---	---	---	---	---	---	12	3.9	1.9	0.84
28	---	---	---	---	---	---	---	---	12	3.6	1.8	1.4
29	---	---	---	---	---	---	---	---	11	3.4	1.8	1.4
30	---	---	---	---	---	---	---	---	25	3.2	2.7	1.00
31	---	---	---	---	---	---	---	---	22	---	2.4	0.91
TOTAL	---	---	---	---	---	---	---	---	220.2	83.3	42.64	29.28
MEAN	---	---	---	---	---	---	---	---	7.34	2.69	1.38	0.98
MAX	---	---	---	---	---	---	---	---	19	3.9	4.9	1.6
MIN	---	---	---	---	---	---	---	---	3.2	1.8	0.72	0.60
AC-FT	---	---	---	---	---	---	---	---	437	165	85	58

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

MEAN	---	---	---	---	---	---	---	---	7.34	2.69	1.38	0.98
MAX	---	---	---	---	---	---	---	---	7.34	2.69	1.38	0.98
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	---	7.34	2.69	1.38	0.98
(WY)	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)

04010528 RESERVATION RIVER NEAR GRAND PORTAGE, MN—Continued

SUMMARY STATISTICS FOR 2003 WATER YEAR

HIGHEST DAILY MEAN	25	May 30
LOWEST DAILY MEAN	0.60	Sep 11
MAXIMUM PEAK FLOW	42	May 30
MAXIMUM PEAK STAGE	5.20	May 30
INSTANTANEOUS LOW FLOW	0.49	Aug 17

