

## STREAMS TRIBUTARY TO LAKE SUPERIOR

04010528 RESERVATION RIVER NEAR GRAND PORTAGE, MN

LOCATION.--Lat 47°54'49", long 89°51'15", in SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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 June 2004 (discontinued, no winter records).

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 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	4.2	---	---	---	---	63	38	74	---	---	---
2	1.1	3.0	---	---	---	---	52	33	60	---	---	---
3	1.1	2.8	---	---	---	---	30	29	---	---	---	---
4	1.1	2.9	---	---	---	---	22	28	---	---	---	---
5	0.99	3.2	---	---	---	---	22	24	---	---	---	---
6	0.94	3.0	---	---	---	---	23	24	---	---	---	---
7	0.95	3.2	---	---	---	---	33	20	---	---	---	---
8	0.87	e3.1	---	---	---	---	61	19	---	---	---	---
9	0.86	e3.8	---	---	---	---	48	18	---	---	---	---
10	0.87	e4.3	---	---	---	---	40	18	---	---	---	---
11	1.2	4.1	---	---	---	---	36	16	---	---	---	---
12	4.0	3.8	---	---	---	---	33	14	---	---	---	---
13	1.9	3.2	---	---	---	---	34	14	---	---	---	---
14	1.6	2.8	---	---	---	---	36	14	---	---	---	---
15	1.3	2.6	---	---	---	---	38	12	---	---	---	---
16	1.2	2.8	---	---	---	---	49	12	---	---	---	---
17	1.1	3.9	---	---	---	---	57	22	---	---	---	---
18	1.1	9.0	---	---	---	---	79	19	---	---	---	---
19	1.1	6.2	---	---	---	---	112	17	---	---	---	---
20	1.1	5.0	---	---	---	---	98	17	---	---	---	---
21	1.2	4.6	---	---	---	---	96	14	---	---	---	---
22	1.1	---	---	---	---	---	86	15	---	---	---	---
23	1.1	---	---	---	---	---	75	15	---	---	---	---
24	1.3	---	---	---	---	---	66	13	---	---	---	---
25	2.1	---	---	---	---	---	60	14	---	---	---	---
26	1.8	---	---	---	---	---	55	13	---	---	---	---
27	1.5	---	---	---	---	---	45	15	---	---	---	---
28	2.8	---	---	---	---	---	42	13	---	---	---	---
29	3.2	---	---	---	---	---	45	12	---	---	---	---
30	2.5	---	---	---	---	108	41	12	---	---	---	---
31	5.8	---	---	---	---	77	---	95	---	---	---	---
TOTAL	49.88	---	---	---	---	---	1,577	639	---	---	---	---
MEAN	1.61	---	---	---	---	---	52.6	20.6	---	---	---	---
MAX	5.8	---	---	---	---	---	112	95	---	---	---	---
MIN	0.86	---	---	---	---	---	22	12	---	---	---	---
AC-FT	99	---	---	---	---	---	3,130	1,270	---	---	---	---

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	1.61	---	---	---	---	---	52.6	20.6	7.34	2.69	1.38	0.98
MAX	1.61	---	---	---	---	---	52.6	20.6	7.34	2.69	1.38	0.98
(WY)	(2004)	---	---	---	---	---	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)
MIN	1.61	---	---	---	---	---	52.6	20.6	7.34	2.69	1.38	0.98
(WY)	(2004)	---	---	---	---	---	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)

04010528 RESERVATION RIVER NEAR GRAND PORTAGE, MN—Continued

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

HIGHEST DAILY MEAN	112	Apr 19	112	Apr 19, 2004
LOWEST DAILY MEAN	0.86	Oct 9	0.60	Sep 11, 2003
ANNUAL SEVEN-DAY MINIMUM	0.94	Oct 4	0.66	Sep 5, 2003
MAXIMUM PEAK FLOW	220	May 31	220	May 31, 2004
MAXIMUM PEAK STAGE	6.09	May 31	6.09	May 31, 2004
INSTANTANEOUS LOW FLOW	0.80	Oct 8	0.49	Aug 27, 2003

e Estimated.

