

YSTREAMS TRIBUTARY TO LAKE SUPERIOR

04010505 MAUD CREEK NEAR GRAND PORTAGE, MN

LOCATION.--Lat 47°58'29", long 89°44'16", in NW¹/₄NW¹/₄ sec. 6, T.63 N., R.6 E., Cook County, Hydrologic Unit 04010101, at Mt. Maud Dam, on Grand Portage Indian Band property, and 2.6 miles southwest of Grand Portage.

PERIOD OF RECORD.--June 2004 to September 2005 (no winter records), discontinued.

GAGE.--Water-stage recorder. Elevation of gage is 1,330 ft above sea level (from topographic map).

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Mt. Maud Dam upstream of station.

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	---	---	---	---	---	---	---	---	---	0.31	0.06	0.11
2	---	---	---	---	---	---	---	---	---	0.27	0.06	0.10
3	---	---	---	---	---	---	---	---	8.9	0.26	0.06	0.11
4	---	---	---	---	---	---	---	---	7.6	0.45	0.06	0.12
5	---	---	---	---	---	---	---	---	6.4	0.57	0.05	0.11
6	---	---	---	---	---	---	---	---	5.1	0.56	0.05	0.09
7	---	---	---	---	---	---	---	---	5.3	0.60	0.06	0.07
8	---	---	---	---	---	---	---	---	6.3	0.55	0.06	0.07
9	---	---	---	---	---	---	---	---	5.3	0.44	0.06	0.07
10	---	---	---	---	---	---	---	---	4.5	0.36	0.05	0.06
11	---	---	---	---	---	---	---	---	3.6	0.47	0.05	0.05
12	---	---	---	---	---	---	---	---	3.3	0.44	0.05	0.06
13	---	---	---	---	---	---	---	---	2.8	0.40	0.05	0.07
14	---	---	---	---	---	---	---	---	2.5	0.34	0.05	0.07
15	---	---	---	---	---	---	---	---	2.1	0.29	0.05	0.09
16	---	---	---	---	---	---	---	---	1.9	0.29	0.06	0.18
17	---	---	---	---	---	---	---	---	1.6	0.23	0.06	1.5
18	---	---	---	---	---	---	---	---	1.3	0.19	0.07	2.3
19	---	---	---	---	---	---	---	---	1.0	0.21	0.07	1.8
20	---	---	---	---	---	---	---	---	0.87	0.24	0.07	1.3
21	---	---	---	---	---	---	---	---	0.65	0.18	0.07	1.1
22	---	---	---	---	---	---	---	---	0.61	0.13	0.07	0.88
23	---	---	---	---	---	---	---	---	0.50	0.10	0.07	0.66
24	---	---	---	---	---	---	---	---	0.50	0.10	0.07	0.55
25	---	---	---	---	---	---	---	---	0.53	0.09	0.07	0.42
26	---	---	---	---	---	---	---	---	0.54	0.07	0.07	0.33
27	---	---	---	---	---	---	---	---	0.47	0.07	0.08	0.23
28	---	---	---	---	---	---	---	---	0.43	0.07	0.09	0.18
29	---	---	---	---	---	---	---	---	0.49	0.07	0.09	0.14
30	---	---	---	---	---	---	---	---	0.39	0.06	0.10	0.10
31	---	---	---	---	---	---	---	---	---	0.06	0.11	---
TOTAL	---	---	---	---	---	---	---	---	---	8.47	2.04	12.92
MEAN	---	---	---	---	---	---	---	---	---	0.27	0.07	0.43
MAX	---	---	---	---	---	---	---	---	---	0.60	0.11	2.3
MIN	---	---	---	---	---	---	---	---	---	0.06	0.05	0.05
AC-FT	---	---	---	---	---	---	---	---	---	17	4.0	26

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

MEAN	---	---	---	---	---	---	---	---	---	0.27	0.07	0.43
MAX	---	---	---	---	---	---	---	---	---	0.27	0.07	0.43
(WY)	---	---	---	---	---	---	---	---	---	(2004)	(2004)	(2004)
MIN	---	---	---	---	---	---	---	---	---	0.27	0.07	0.43
(WY)	---	---	---	---	---	---	---	---	---	(2004)	(2004)	(2004)

04010505 MAUD CREEK NEAR GRAND PORTAGE, MN—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	4.2	0.46	---	---	---	2.0	2.1	2.8	2.0	0.06	0.03
2	0.16	3.7	0.43	---	---	---	2.3	2.0	2.7	2.3	0.08	0.03
3	0.12	2.9	0.41	---	---	---	2.7	1.8	2.2	2.2	0.05	0.03
4	0.08	2.5	0.42	---	---	---	3.5	1.5	1.8	2.3	0.06	0.02
5	0.07	1.9	0.34	---	---	---	4.9	1.3	2.4	4.9	0.06	0.02
6	0.06	1.7	0.45	---	---	---	7.0	2.0	2.7	1.4	0.08	0.03
7	0.05	1.4	0.55	---	---	---	8.5	2.4	3.4	0.32	0.10	0.02
8	0.05	1.1	0.42	---	---	---	10	3.4	3.5	0.28	0.06	0.02
9	0.05	0.95	0.42	---	---	---	11	5.7	3.0	0.34	0.08	0.02
10	0.05	0.87	0.42	---	---	---	12	8.7	2.9	0.35	0.07	0.02
11	0.05	0.78	0.43	---	---	---	13	10	2.7	0.34	0.06	0.02
12	0.05	0.71	0.75	---	---	---	13	8.7	2.5	0.23	0.07	0.02
13	0.05	0.64	0.50	---	---	---	13	7.9	2.3	0.20	0.06	0.02
14	0.06	0.60	0.47	---	---	---	13	8.3	1.6	0.14	0.06	0.02
15	0.05	6.5	0.46	---	---	---	13	8.4	3.5	0.12	0.08	0.02
16	0.07	12	0.47	---	---	---	13	7.4	3.8	0.11	0.09	0.02
17	0.07	7.2	0.44	---	---	---	13	6.7	2.9	0.15	0.09	0.02
18	0.06	3.2	0.43	---	---	---	13	6.0	2.3	0.14	0.10	0.02
19	0.05	1.4	0.40	---	---	---	14	e5.5	2.4	0.14	0.06	0.03
20	0.05	1.7	---	---	---	---	13	5.0	3.7	0.14	0.04	0.02
21	0.04	1.8	---	---	---	---	12	4.7	2.4	0.13	0.05	0.02
22	0.08	1.7	---	---	---	---	9.5	4.1	0.74	0.14	0.05	0.03
23	11	1.5	---	---	---	---	7.6	3.7	0.90	0.09	0.05	0.03
24	16	1.0	---	---	---	0.11	6.2	3.6	0.96	0.07	0.03	0.03
25	10	0.78	---	---	---	0.11	4.9	3.4	0.75	0.12	0.02	0.03
26	6.9	0.71	---	---	---	0.12	4.3	3.4	0.31	0.09	0.03	0.03
27	4.8	0.81	---	---	---	0.13	3.8	3.5	0.47	0.07	0.03	0.03
28	3.4	0.67	---	---	---	0.18	3.5	3.5	0.38	0.08	0.03	0.03
29	2.8	0.55	---	---	---	0.31	2.9	3.5	0.23	0.05	0.03	0.03
30	4.0	0.50	---	---	---	0.67	2.5	3.4	0.80	0.04	0.03	0.03
31	4.5	---	---	---	---	1.5	---	3.1	---	0.04	0.03	---
TOTAL	64.92	65.97	---	---	---	---	252.1	144.7	63.04	19.02	1.79	0.74
MEAN	2.09	2.20	---	---	---	---	8.40	4.67	2.10	0.61	0.06	0.02
MAX	16	12	---	---	---	---	14	10	3.8	4.9	0.10	0.03
MIN	0.04	0.50	---	---	---	---	2.0	1.3	0.23	0.04	0.02	0.02
AC-FT	129	131	---	---	---	---	500	287	125	38	3.6	1.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

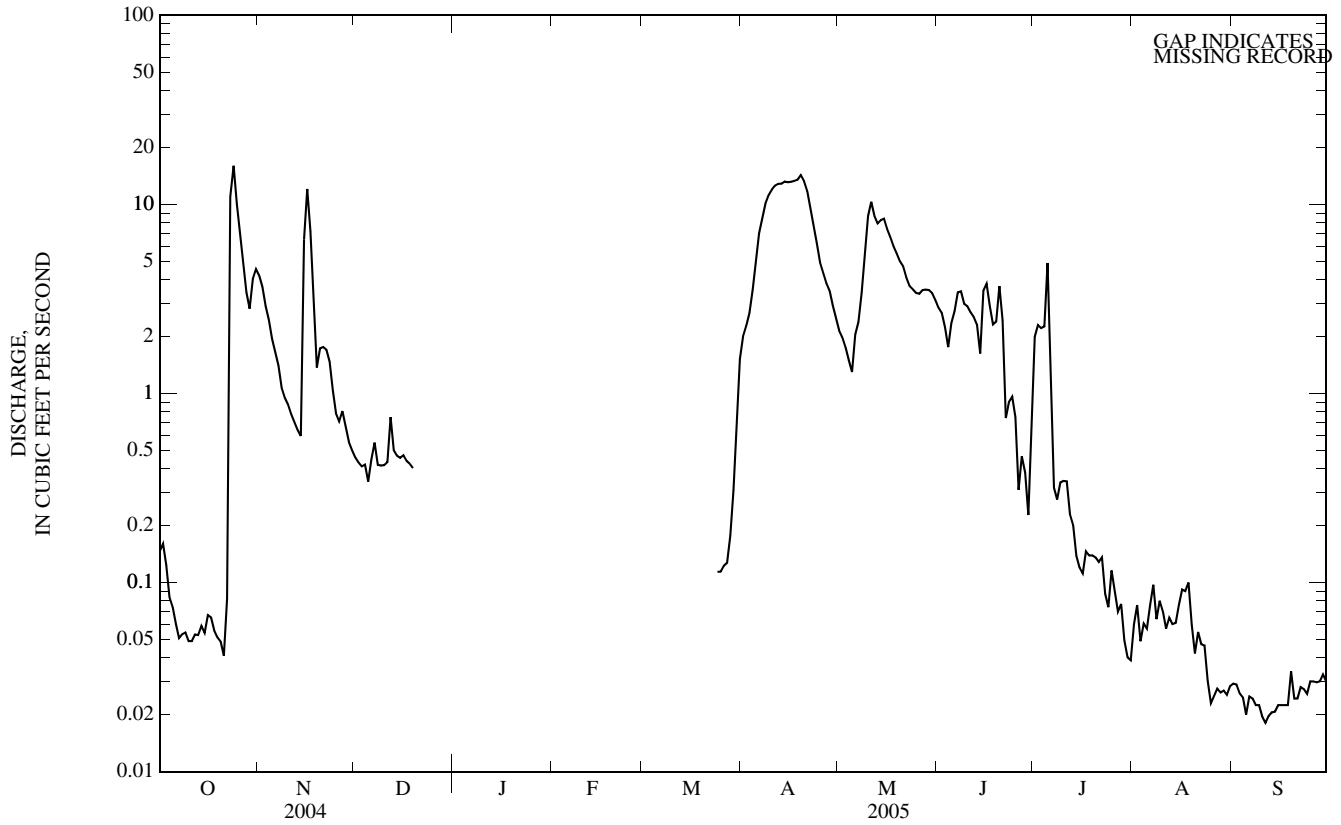
MEAN	2.09	2.20	---	---	---	---	8.40	4.67	2.10	0.44	0.06	0.23
MAX	2.09	2.20	---	---	---	---	8.40	4.67	2.10	0.61	0.07	0.43
(WY)	(2005)	(2005)	---	---	---	---	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	2.09	2.20	---	---	---	---	8.40	4.67	2.10	0.27	0.06	0.02
(WY)	(2005)	(2005)	---	---	---	---	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)

STREAMS TRIBUTARY TO LAKE SUPERIOR

04010505 MAUD CREEK NEAR GRAND PORTAGE, MN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
HIGHEST DAILY MEAN	16	Oct 24	16	Oct 24	16	Oct 24, 2004
LOWEST DAILY MEAN	0.04	Oct 21	a0.02	Aug 25	a0.02	Aug 25, 2005
ANNUAL SEVEN-DAY MINIMUM	0.05	Oct 7	0.02	Sep 7	0.02	Sep 7, 2005
MAXIMUM PEAK FLOW			19	Oct 23	19	Oct 23, 2004
MAXIMUM PEAK STAGE			24.62	Oct 23	24.62	Oct 23, 2004
INSTANTANEOUS LOW FLOW			0.01	Aug 26	0.01	Aug 26, 2005

a Many days in September.
 e Estimated.



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