

UPPER MISSISSIPPI RIVER MAIN STEM

05200510 MISSISSIPPI RIVER NEAR BEMIDJI, MN

LOCATION.--Lat 47°29'00", long 94°43'40", in SE¹/₄SW¹/₄ sec. 3, T.146 N., R.32 W., Beltrami County, Hydrologic Unit 07010101, on right bank 100 ft upstream of County Highway 12, 400 ft downstream from Stump Lake dam, and 3.5 mi east of Bemidji .

DRAINAGE AREA.--610 mi² (approximately).

PERIOD OF RECORD.--September 1987 to September 2002 (no winter records). December 2003 to current year (some winter record available upon request).

GAGE.--Water-stage recorder. Elevation of gage is 1,315 ft above sea level (from topographic map).

REMARKS.--Records good. Flow regulated by Stump Lake Dam upstream from station.

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	408	362	235	---	---	---	377	364	515	356	123	90
2	405	412	252	---	---	---	377	357	566	301	126	88
3	403	416	---	---	---	---	369	354	704	291	91	84
4	400	470	---	---	---	---	380	348	772	292	82	82
5	407	555	---	---	---	---	412	346	795	291	86	83
6	409	590	---	---	---	---	490	346	998	290	81	88
7	413	594	---	---	---	---	544	345	1,070	228	77	86
8	418	662	---	---	---	---	537	342	1,010	129	78	86
9	411	685	---	---	---	---	542	353	1,060	126	78	88
10	403	727	---	---	---	---	544	361	901	123	79	92
11	399	766	---	---	---	---	660	373	874	197	77	92
12	399	789	---	---	---	---	728	372	908	226	76	125
13	400	788	---	---	---	---	724	364	800	292	74	154
14	401	770	---	---	---	---	665	362	778	330	74	243
15	395	757	---	---	---	---	634	364	777	325	74	285
16	392	754	---	---	---	---	641	368	776	323	73	232
17	378	748	---	---	---	---	649	363	741	320	74	155
18	350	723	---	---	---	---	592	365	729	204	78	154
19	321	654	---	---	---	---	521	367	728	140	87	149
20	321	535	---	---	---	---	534	273	735	140	88	112
21	294	540	---	---	---	---	528	209	730	129	85	110
22	281	528	---	---	---	---	514	209	589	121	85	110
23	292	543	---	---	---	---	522	147	463	119	85	146
24	293	554	---	---	---	---	519	108	457	116	84	e153
25	282	526	---	---	---	---	502	128	454	120	85	154
26	272	490	---	---	---	---	509	227	454	127	92	156
27	269	466	---	---	---	---	472	268	454	126	89	151
28	271	462	---	---	---	---	386	273	451	126	88	148
29	279	402	---	---	---	---	353	276	448	126	88	144
30	296	284	---	---	---	330	361	288	451	124	87	144
31	301	---	---	---	---	376	---	347	---	123	87	---
TOTAL	10,963	17,552	---	---	---	---	15,586	9,567	21,188	6,281	2,631	3,984
MEAN	354	585	---	---	---	---	520	309	706	203	84.9	133
MAX	418	789	---	---	---	---	728	373	1,070	356	126	285
MIN	269	284	---	---	---	---	353	108	448	116	73	82
AC-FT	21,750	34,810	---	---	---	---	30,910	18,980	42,030	12,460	5,220	7,900
CFSM	0.58	0.96	---	---	---	---	0.85	0.51	1.16	0.33	0.14	0.22
IN.	0.67	1.07	---	---	---	---	0.95	0.58	1.29	0.38	0.16	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

MEAN	244	492	330	---	166	210	434	443	340	325	204	250
MAX	471	790	406	---	166	247	889	858	866	912	477	837
(WY)	(2000)	(2001)	(2001)	---	(2005)	(1998)	(1997)	(2001)	(2001)	(1997)	(1999)	(1999)
MIN	75.5	322	254	---	166	161	148	181	104	62.2	61.9	62.3
(WY)	(1991)	(2000)	(2000)	---	(2005)	(2004)	(1992)	(1992)	(1988)	(1988)	(1989)	(1990)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1987 - 2005	
HIGHEST DAILY MEAN	789	Nov 12	1,070	Jun 7	1,320	Jul 14, 1997
LOWEST DAILY MEAN	57	Aug 24	a73	Aug 16	a22	Jul 12, 1988
ANNUAL SEVEN-DAY MINIMUM	63	Aug 24	75	Aug 11	24	Jul 7, 1988
MAXIMUM PEAK FLOW			1,210	Jun 6	1,820	Jul 11, 1997
MAXIMUM PEAK STAGE			5.21	Jun 6	5.98	Jul 11, 1997
INSTANTANEOUS LOW FLOW			a72	Aug 15	a16	Sep 26, 1988

a Minimum recorded.
e Estimated.

