

## UPPER MISSISSIPPI RIVER MAIN STEM

05200510 MISSISSIPPI RIVER NEAR BEMIDJI, MN

LOCATION.--Lat 47°29'00", long 94°43'40", in SE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup> (approximately).

PERIOD OF RECORD.--September 1987 to current year (no winter records).

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 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	234	420	600	320	---	---	255	745	1240	409	100	392
2	234	499	587	317	---	---	271	798	1260	399	98	383
3	235	558	578	311	---	---	284	799	1260	395	98	372
4	232	555	498	306	---	---	318	674	1250	387	99	363
5	233	552	439	368	---	---	336	726	1230	340	101	355
6	232	558	442	505	---	---	356	830	1210	289	97	347
7	230	729	442	497	---	---	370	866	1190	290	97	367
8	229	821	440	492	---	---	372	972	1140	286	92	385
9	228	816	436	485	---	---	482	997	1090	284	92	372
10	299	812	427	483	---	---	561	987	1090	102	92	246
11	434	809	420	355	---	153	724	974	1040	64	91	168
12	428	817	409	---	---	123	976	961	989	65	91	159
13	426	948	400	---	---	195	954	950	967	126	93	157
14	435	1010	397	---	---	194	983	931	954	233	72	156
15	477	993	389	---	---	194	1040	922	995	231	79	158
16	473	986	387	---	---	194	1090	911	964	157	91	159
17	470	981	383	---	---	196	1140	900	925	91	94	161
18	468	970	378	---	---	197	1170	884	844	83	101	162
19	466	957	375	---	---	197	1210	869	763	88	103	166
20	464	953	369	---	---	197	1230	762	746	91	105	150
21	460	934	369	---	---	197	1240	776	731	93	119	138
22	455	900	364	---	---	219	1240	852	605	95	139	132
23	453	880	360	---	---	249	1270	889	443	95	167	136
24	450	864	358	---	---	249	1260	883	449	92	537	136
25	431	848	358	---	---	248	1040	613	445	102	659	137
26	413	831	343	---	---	247	974	473	449	100	633	139
27	414	816	331	---	---	246	804	510	440	100	466	140
28	412	792	328	---	---	250	726	693	434	99	419	139
29	412	536	325	---	---	255	736	1080	428	99	417	138
30	412	549	327	---	---	255	618	1180	423	101	413	139
31	413	---	323	---	---	255	---	1200	---	102	404	---
TOTAL	11652	23694	12582	---	---	---	24030	26607	25994	5488	6259	6552
MEAN	376	790	406	---	---	---	801	858	866	177	202	218
MAX	477	1010	600	---	---	---	1270	1200	1260	409	659	392
MIN	228	420	323	---	---	---	255	473	423	64	72	132
AC-FT	23110	47000	24960	---	---	---	47660	52770	51560	10890	12410	13000
CFSM	.62	1.29	.67	---	---	---	1.31	1.41	1.42	.29	.33	.36
IN.	.71	1.44	.77	---	---	---	1.47	1.62	1.59	.33	.38	.40

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	233	502	330	---	---	244	451	469	325	310	213	256
MAX	471	790	406	---	---	247	889	858	866	912	477	837
(WY)	2000	2001	2001	---	---	1998	1997	2001	2001	1997	1999	1999
MIN	75.5	322	254	---	---	242	148	181	104	62.2	61.9	62.3
(WY)	1991	2000	2000	---	---	1996	1992	1992	1988	1988	1989	1990

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1987 - 2001
HIGHEST DAILY MEAN	1010	Nov 14	1270
LOWEST DAILY MEAN	101	Jul 26	64a
ANNUAL SEVEN-DAY MINIMUM	109	Jul 25	87
MAXIMUM PEAK FLOW			1290
MAXIMUM PEAK STAGE			5.33
INSTANTANEOUS LOW FLOW			33a
10 PERCENT EXCEEDS	604		987
50 PERCENT EXCEEDS	342		413
90 PERCENT EXCEEDS	226		101

a Minimum recorded.

