

## 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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	484	---	---	---	200	197	397	380	1250	422	313
2	142	395	---	---	---	200	197	397	372	1270	570	314
3	143	389	---	---	---	200	184	385	364	1200	668	316
4	147	382	---	---	---	200	145	389	363	1150	640	312
5	144	500	---	---	---	200	144	386	361	1140	426	312
6	140	641	---	---	---	200	143	382	279	1120	271	315
7	136	746	---	---	---	200	137	380	239	1110	258	315
8	135	910	---	---	---	200	105	351	239	1220	264	315
9	139	845	---	---	---	200	82	411	241	1140	265	371
10	154	813	---	---	---	200	106	405	253	1130	271	467
11	158	766	---	---	---	200	104	397	261	1050	273	459
12	157	688	---	---	---	200	103	399	260	941	275	456
13	167	636	---	---	---	200	102	401	262	936	275	453
14	173	366	---	---	---	200	100	397	264	919	275	451
15	177	201	---	---	---	200	97	400	264	845	275	444
16	176	200	---	---	---	200	93	401	266	746	275	439
17	174	200	---	---	---	200	94	401	265	728	278	433
18	184	198	---	---	---	200	176	401	265	728	277	430
19	189	197	---	---	---	200	311	402	275	695	277	432
20	194	198	---	---	---	200	302	402	281	660	275	377
21	197	200	---	---	---	200	302	397	273	665	275	351
22	202	200	---	---	---	202	305	392	283	596	275	351
23	212	200	---	---	---	200	306	398	310	547	276	347
24	325	200	---	---	---	201	319	394	363	550	274	346
25	442	200	---	---	---	202	323	391	417	461	271	343
26	432	127	---	---	---	201	311	391	529	427	269	343
27	419	40	---	---	---	200	312	384	738	431	268	269
28	416	42	---	---	---	200	317	381	946	430	308	228
29	563	45	---	---	---	199	369	386	987	428	307	228
30	594	47	---	---	---	197	396	391	1040	428	308	218
31	469	---	---	---	---	197	---	387	---	425	310	---
TOTAL	7443	11056	---	---	---	6199	6182	12176	11640	25366	9951	10748
MEAN	240	369	---	---	---	200	206	393	388	818	321	358
MAX	594	910	---	---	---	202	396	411	1040	1270	668	467
MIN	135	40	---	---	---	197	82	351	239	425	258	218
AC-FT	14760	21930	---	---	---	12300	12260	24150	23090	50310	19740	21320
CFSM	0.39	0.60	---	---	---	0.33	0.34	0.64	0.64	1.34	0.53	0.59
IN.	0.45	0.67	---	---	---	0.38	0.38	0.74	0.71	1.55	0.61	0.66

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	233	469	330	---	---	230	435	464	329	344	220	263
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	---	---	200	148	181	104	62.2	61.9	62.3
(WY)	1991	2000	2000	---	---	2002	1992	1992	1988	1988	1989	1990

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1987 - 2002	
HIGHEST DAILY MEAN	1270	Apr 23	1270	Jul 2	1320	Jul 14 1997
LOWEST DAILY MEAN	40	Nov 27	40	Nov 27	22a	Jul 12 1988
ANNUAL SEVEN-DAY MINIMUM	87	Aug 10	99	Apr 11	24	Jul 7 1988
MAXIMUM PEAK FLOW			1520	Jul 1	1820	Jul 11 1997
MAXIMUM PEAK STAGE			5.66	Jul 1	5.98	Jul 11 1997
INSTANTANEOUS LOW FLOW			32a	Apr 8		

a Minimum recorded.

