

UPPER MISSISSIPPI RIVER MAIN STEM

05200510 MISSISSIPPI RIVER NEAR BEMIDJI, MN

LOCATION.--Lat 4729'00", long 9443'40", in SE 1 / 4 SW 1 / 4 sec. 3, T.146 N., R.32 W., Beltrami County, Hydrologic Unit 07010101, 3.5 mi east of Bemidji on right bank 100 ft upstream of County Highway 12 and 400 ft downstream from Stump Lake dam.

DRAINAGE AREA.--610 mi², 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	---	---	---	---	94	362	258	627	492	154	176
2	265	---	---	---	---	96	396	258	614	409	153	173
3	262	---	---	---	---	96	455	259	550	292	155	173
4	251	---	---	---	---	96	487	259	436	295	155	174
5	243	---	---	---	---	96	486	259	329	295	156	176
6	237	---	---	---	---	248	541	257	265	402	157	173
7	247	---	---	---	---	340	566	256	263	533	158	175
8	254	---	---	---	---	340	565	258	262	531	158	175
9	263	---	---	---	---	340	563	255	234	547	158	172
10	262	---	---	---	---	340	599	256	214	576	158	180
11	182	---	---	---	---	340	609	173	216	487	158	178
12	269	---	---	---	---	340	598	118	293	398	160	180
13	278	---	---	---	---	340	617	252	424	508	162	181
14	277	---	---	---	---	340	631	386	421	555	164	178
15	275	---	---	---	---	339	623	365	320	549	166	181

16	275	---	---	---	---	336	617	465	222	532	166	172
17	275	---	---	---	---	336	615	462	222	517	166	127
18	276	---	---	---	---	336	608	541	226	508	166	173
19	278	---	---	---	---	336	601	686	279	511	166	171
20	279	288	---	---	---	285	598	659	294	454	167	138
21	278	---	---	---	---	186	595	653	291	398	170	182
22	329	---	---	---	---	186	551	702	291	397	170	288
23	358	---	---	---	230	187	477	715	290	343	171	289
24	358	---	---	---	98	189	440	713	288	291	169	286
25	358	---	---	---	100	189	413	713	288	293	170	282
26	358	---	---	---	97	189	380	703	286	294	171	280
27	358	---	---	---	94	191	327	688	287	294	171	277
28	359	---	---	---	94	192	291	695	293	294	172	277
29	358	---	---	---	---	193	279	676	370	210	171	273
30	---	---	---	---	---	235	259	659	464	154	172	271
31	---	---	---	---	---	311	---	652	---	155	174	---
TOTAL	---	---	---	---	---	7662	15149	14251	9859	12514	5084	6131
MEAN	---	---	---	---	---	247	505	460	329	404	164	204
MAX	---	---	---	---	---	340	631	715	627	576	174	289
MIN	---	---	---	---	---	94	259	118	214	154	153	127
AC-FT	---	---	---	---	---	15200	30050	28270	19560	24820	10080	12160
CFSM	---	---	---	---	---	.41	.83	.75	.54	.66	.27	.34
IN.	---	---	---	---	---	.47	.92	.87	.60	.76	.31	.37

**STATISTICS OF MONTHLY MEAN DATA FOR
WATER YEARS 1987 - 1998, BY WATER YEAR
(WY)**

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	179	---	---	---	---	245	384	420	235	291	192	195
MAX	311	---	---	---	---	247	889	769	329	912	471	401

(WY)	1995	---	---	---	---	1998	1997	1996	1993	1997	1993	1993
MIN	75.5	---	---	---	---	242	148	181	104	62.2	61.9	62.3
(WY)	1991	---	---	---	---	1996	1992	1992	1988	1988	1989	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1987 - 1998			
HIGHEST DAILY MEAN		1320	Jul 14	715	May 23	1320	Jul 14	1997
LOWEST DAILY MEAN		85a	Jun 23	94a	Feb 27	22a	Jul 12	1988
INSTANTANEOUS PEAK FLOW				759	May 18	1820	Jul 11	1997
INSTANTANEOUS PEAK STAGE				4.55	May 18	5.98	Jul 11	1997

a Minimum observed.

