

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 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	402	532	264	255	---	---	700	270	361	236	118	470
2	432	522	264	255	---	---	686	274	360	244	119	476
3	428	513	265	255	---	---	682	277	353	252	120	552
4	426	509	267	255	---	---	661	277	349	259	121	540
5	425	504	265	253	---	---	650	277	346	398	122	535
6	422	498	262	256	---	232	684	280	342	474	124	530
7	420	408	262	253	---	233	606	284	336	467	121	400
8	426	324	265	251	---	236	604	290	334	469	120	512
9	425	288	265	249	---	245	591	296	321	470	121	505
10	424	262	265	250	---	248	573	294	324	467	121	501
11	422	263	263	252	---	254	568	297	322	461	121	500
12	424	265	265	250	---	257	527	309	313	458	124	496
13	420	267	264	249	---	260	346	339	256	457	126	492
14	418	268	264	248	---	263	342	332	229	449	133	491
15	416	266	264	247	---	267	344	337	233	443	145	489
16	418	268	256	248	---	270	342	343	236	441	163	486
17	415	260	258	245	---	273	340	346	235	444	244	481
18	412	261	256	---	---	276	336	345	237	440	265	365
19	413	264	258	---	---	278	280	349	236	437	260	221
20	506	263	259	---	---	278	262	352	403	436	259	229
21	585	264	257	---	---	281	268	357	499	436	261	222
22	579	265	256	---	---	281	269	359	495	436	260	222
23	568	265	255	---	---	281	268	329	488	436	261	226
24	563	265	255	---	---	288	268	303	486	304	259	227
25	561	265	233	---	---	298	271	297	483	109	259	226
26	554	266	140	---	---	296	271	288	486	101	261	225
27	548	268	207	---	---	343	268	288	483	105	262	225
28	545	266	254	---	---	453	267	291	473	109	262	225
29	537	265	255	---	---	511	265	291	422	111	265	225
30	534	262	256	---	---	612	270	338	346	113	266	225
31	530	---	256	---	---	726	---	374	---	116	287	---
TOTAL	14598	9656	7875	---	---	---	12809	9683	10787	10578	5950	11519
MEAN	471	322	254	---	---	---	427	312	360	341	192	384
MAX	585	532	267	---	---	---	700	374	499	474	287	552
MIN	402	260	140	---	---	---	262	270	229	101	118	221
AC-FT	28960	19150	15620	---	---	---	25410	19210	21400	20980	11800	22850
CFSM	.77	.53	.42	---	---	---	.70	.51	.59	.56	.31	.63
IN.	.89	.59	.48	---	---	---	.78	.59	.66	.65	.36	.70

05200510 MISSISSIPPI RIVER NEAR BEMIDJI, MN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	215	359	254	---	---	244	424	439	283	321	214	259
MAX	471	395	254	---	---	247	889	774	735	912	477	837
(WY)	2000	1999	2000	---	---	1998	1997	1999	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1987 - 2000	
HIGHEST DAILY MEAN	1110	Apr 15	726	Mar 31	1320	Jul 14 1997
LOWEST DAILY MEAN	90	Mar 18	101	Jul 26	22 ^a	Jul 12 1988
INSTANTANEOUS PEAK FLOW			1140	Apr 6	1820	Jul 11 1997
INSTANTANEOUS PEAK STAGE			5.13	Apr 6	5.98	Jul 11 1997
INSTANTANEOUS LOW FLOW			89 ^a	Jul 25		

^a Minimum recorded.

