

UPPER MISSISSIPPI RIVER MAIN STEM--Continued
 05287890 ELM CREEK NEAR CHAMPLIN, MN--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1988 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLE TYPE	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE LAB (90095) (US/CM)	SPE-CIFIC CON-DUCT-ANCE (00095) (US/CM)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 27...	1040	ENVIRONMENTAL	--	1.5	746	6.2	58.7	7.7	--	402	--	12.3
NOV 06-07	1442	COMPOSITE (TIME)	--	--	--	--	--	7.9	--	557	--	--
NOV 08-08	0642	COMPOSITE (TIME)	--	--	--	--	--	7.8	--	485	--	--
DEC 01...	1315	ENVIRONMENTAL	--	6.9	757	10.8	77	7.7	--	427	0	.7
JAN 30...	1125	ENVIRONMENTAL	4.07	6.9	726	9.7	70	7.5	--	725	1.5	.3
FEB 22...	1115	ENVIRONMENTAL	3.15	.65	740	9.4	68	7.3	--	694	20.0	.4
MAR 06...	1010	ENVIRONMENTAL	3.10	2.2	751	11.3	79	6.7	--	803	-8.0	-0.1
APR 02...	1300	ENVIRONMENTAL	4.91	55	741	11.0	82	7.3	--	676	5.0	2.1
APR 05-08	0544	COMPOSITE (TIME)	--	--	--	--	--	7.6	--	454	--	--
10...	1345	ENVIRONMENTAL	9.08	434	739	11.2	90.1	8.2	--	410	13.0	5.0
24...	1445	ENVIRONMENTAL	9.91	824	744	10.5	100	7.8	--	388	15.0	8.4
MAY 22-25	1613	COMPOSITE (TIME)	--	--	--	--	--	8.6	--	472	--	--
JUN 13-15	0700	COMPOSITE (TIME)	--	--	--	--	--	8.1	--	489	--	--
27...	1050	ENVIRONMENTAL	--	69	746	4.9	59	7.6	495	495	--	24.2
JUL 16...	1245	ENVIRONMENTAL	3.50	7.7	739	6.0	71	7.6	--	548	26.5	21.7
AUG 02-03	0613	COMPOSITE (TIME)	--	--	--	--	--	--	--	--	--	--
10...	0825	ENVIRONMENTAL	3.41	4.7	744	5.6	62	7.4	--	539	27.0	19.2
AUG 18-20	1000	COMPOSITE (TIME)	--	--	--	--	--	8.2	422	439	--	--

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AM-MONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)
OCT 27...	22.8	<10	<10	E.025	.52	E.043	E.003	.087	.132	--
NOV 06-07	38.7	<10	--	.066	.88	.541	.020	.076	.110	21
NOV 08-08	46.3	<10	--	.059	.72	.442	<.006	--	--	24
DEC 01...	49.6	<10	<10	.133	.92	.384	.008	E.051	.097	28
JAN 30...	50.5	--	--	.367	1.1	.258	.006	E.045	E.058	19
FEB 22...	21.4	<10	<10	.338	.74	.197	.006	<.060	.079	12
MAR 06...	61.0	<10	<10	.392	.91	.222	E.004	E.041	.092	17
APR 02...	106	47	11	.563	1.9	1.51	.022	.172	.372	36
APR 05-08	49.1	43	--	.503	1.9	2.30	.044	.224	.371	26
10...	44.1	20	<10	.319	1.3	3.00	.057	.253	.286	27
24...	42.9	19	10	<.041	.89	1.13	.020	.138	.199	32
MAY 22-25	46.9	12	--	E.031	1.1	.105	.010	.164	.215	37
JUN 13-15	43.7	15	--	<.040	1.2	.159	.009	.199	.267	36
27...	39.8	<10	<10	E.021	.50	<.050	E.004	E.056	.229	40
JUL 16...	30.0	<10	--	.044	1.1	.051	.010	.291	.311	46
AUG 02-03	--	--	--	.071	2.0	.144	.027	.214	.273	--
10...	--	--	--	.049	1.0	.153	.020	.246	.305	--
AUG 18-20	35.2	<10	--	.062	.97	.101	.012	.129	.150	35