

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 2004 TO SEPTEMBER 2005

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)	Residue total at 105 deg. C, suspended, mg/L (00530)
OCT 06...	1000	Environmental	9.0	746	8.8	80	7.7	515	--	11.1	47.7	<10
OCT 28-30	0434	Composite (time)	--	--	--	--	7.9	439	--	--	46.7	10
NOV 17...	0920	Environmental	50	744	11.2	88	7.8	497	6.0	5.0	49.6	13
DEC 15...	0930	Environmental	8.1	741	13.7	94	7.8	698	.0	.1	58.7	<10
JAN 20...	1045	Environmental	1.6	741	10.7	74	7.8	733	--	.1	18.6	20
FEB 07...	1105	Environmental	3.3	746	9.9	68	7.4	844	--	.1	137	<10
MAR 14...	1020	Environmental	24	744	6.4	44	7.2	658	--	.0	87.8	<10
MAR 31...	1120	Environmental	86	742	9.6	68	7.3	320	13.0	1.3	40.9	27
APR 16-19	1552	Composite (time)	--	--	--	--	7.9	530	--	--	63.6	25
APR 22...	1005	Environmental	78	739	8.7	81	7.8	543	13.0	12.3	69.7	16
MAY 10...	1000	Environmental	26	738	7.9	79	7.7	601	17.5	15.2	69.5	<10
JUN 08-10	1147	Composite (time)	--	--	--	--	7.8	565	--	--	64.8	<10
JUN 10-13	1310	Composite (time)	--	--	--	--	7.8	554	--	--	62.2	25
JUN 20-21	1500	Composite (time)	--	--	--	--	7.6	458	--	--	46.9	208
JUL 12...	1010	Environmental	26	747	2.8	33	7.4	595	26.0	23.8	61.8	22
AUG 02...	1010	Environmental	5.2	742	3.4	40	7.3	604	27.0	23.0	55.1	11
AUG 26-26	0452	Composite (time)	--	--	--	--	8.1	568	--	--	54.5	15
SEP 08...	0930	Environmental	10	745	4.9	51	7.3	544	17.0	17.7	58.2	<10
SEP 22-25	1258	Composite (time)	--	--	--	--	7.7	448	--	--	52.4	<10

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Residue vola- tile, sus- pended, mg/L (00535)	Ammonia		Nitrite		Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	COD, high level, water, unfltrd mg/L (00340)
		+ org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	+ nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)			
OCT 06...	<10	1.1	.09	.14	.021	.11	.15	50
OCT 28-30	--	1.2	E.04	.42	.012	.11	.21	40
NOV 17...	<10	1.4	<.04	E.06	E.005	E.03	.13	40
DEC 15...	<10	.99	.08	.08	<.008	E.02	.07	30
JAN 20...	<10	.48	.26	.08	E.007	<.04	.04	20
FEB 07...	<10	1.9	.84	.44	.021	.24	.34	30
MAR 14...	<10	2.2	.84	.38	.036	.25	.34	50
MAR 31...	12	1.9	.52	.45	.013	.18	.32	40
APR 16-19	--	1.4	.05	.07	<.008	.08	.20	40
APR 22...	<10	1.3	<.04	<.06	<.008	.08	.16	40
MAY 10...	<10	1.1	.07	.06	.010	.11	.17	40
JUN 08-10	--	1.3	.05	.20	.014	.17	.24	40
JUN 10-13	--	1.4	E.04	.21	.013	.20	.31	40
JUN 20-21	--	2.0	.09	.88	.016	.22	.51	60
JUL 12...	<10	3.0	1.13	<.06	.012	.19	.48	60
AUG 02...	<10	2.6	1.23	.19	.128	.29	.43	40
AUG 26-26	--	1.8	.23	.36	.089	.17	.36	40
SEP 08...	<10	1.3	.07	.36	.092	.13	.19	30
SEP 22-25	--	1.6	<.04	.27	.018	.16	.29	40