

Water Quality at Miscellaneous Sites



Water-quality sampling with bridge-suspended equipment.

WATER QUALITY DATA

MISCELLANEOUS SITES

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

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	PH WATER FIELD (STAND-ARD) (00400)	PH WATER LAB (STAND-ARD) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
454753096303301 TRD WETLAND AT WHEATON HIGH SCHOOL IN WHEATON, MN (LAT 45 47 53N LONG 096 30 33W)												
JUN 2001	1400	ENVIRONMENTAL	--	534	--	7.3	--	--	22.1	--	1.5	18
1400	1530	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
AUG	0800	ENVIRONMENTAL	--	627	--	7.7	--	33.0	34.0	734	4.0	59
0800	1002	REPLICATE	--	627	--	7.7	--	33.0	34.1	734	4.0	59
0800	1300	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
0800	1500	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
460940095284101 BLOCK LAKE NEAR URBANK, MN (BLO) (LAT 46 09 40N LONG 095 28 41W)												
AUG 2001	1400	ENVIRONMENTAL	--	237	235	8.4	8.7	28.0	24.7	728	8.3	105
461724095480101 IWPA SITE POND NEAR UNDERWOOD, MN (LAT 46 17 24N LONG 095 48 01W)												
AUG 2001	1600	ENVIRONMENTAL	--	531	487	7.0	7.5	--	23.7	731	.2	2
463534095412201 WETLAND SE OF PAUL LAKE NEAR PERHAM, MN (SUN) (LAT 46 35 34N LONG 095 41 22W)												
AUG 2001	1900	ENVIRONMENTAL	--	535	525	7.5	7.7	26.0	24.1	730	.1	2
463638096143901 UNNAMED POND NEAR NORWEGIAN GROVE, MN (JWPA 2) (LAT 46 36 38N LONG 096 14 39W)												
AUG 2001	1730	ENVIRONMENTAL	--	680	620	8.3	8.6	28.5	26.0	732	5.7	73
463712096154001 JWPA SITE POND NEAR PELICAN RAPIDS, MN (LAT 46 37 12N LONG 096 15 40W)												
JUN 2001	1030	ENVIRONMENTAL	--	585	--	7.9	--	18.0	20.6	720	3.5	40
1030	1630	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
AUG	0600	ENVIRONMENTAL	--	649	--	8.2	--	33.0	32.5	735	6.8	96
0600	1800	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
0600	1802	REPLICATE	--	--	--	--	--	--	--	--	--	--
0700	1300	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
464804096090301 WETLAND NW OF UPR CORMORANT NR LAKE PARK, MN (DOR) (LAT 46 48 04N LONG 096 09 03W)												
AUG 2001	0830	ENVIRONMENTAL	--	425	406	6.7	7.1	20.5	19.5	729	.2	2
05053800 RED RIVER OF THE NORTH ABOVE FARGO, ND (LAT 46 48 14N LONG 096 47 47W)												
OCT 2000	0820	ENVIRONMENTAL	380	612	--	8.4	--	7.5	10.3	735	11.1	103
APR 2001	0920	ENVIRONMENTAL	--	95	--	8.0	--	5.0	2.5	733	300	79
JUL	1200	ENVIRONMENTAL	--	715	--	7.9	--	29.0	25.5	743	5.9	74
05054020 RED RIVER OF THE NORTH BELOW FARGO, ND (LAT 46 55 50N LONG 096 47 05W)												
OCT 2000	1505	ENVIRONMENTAL	400	604	--	8.2	--	20.0	10.8	742	11.0	101
APR 2001	1100	ENVIRONMENTAL	--	315	--	8.0	--	10.0	2.2	732	10.5	79

MISCELLANEOUS SITES--Continued

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

DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	DATA BASE NUMBER
454753096303301 TRD WETLAND AT WHEATON HIGH SCHOOL IN WHEATON, MN (LAT 45 47 53N LONG 096 30 33W)			
JUN 2001			
14...	--	--	01
14...	--	--	01
AUG			
08...	8.4	2.0	01
08...	5.7	1.2	77
08...	2.9	.9	01
08...	30.8	7.9	01
460940095284101 BLOCK LAKE NEAR URBANK, MN (BLO) (LAT 46 09 40N LONG 095 28 41W)			
AUG 2001			
23...	--	--	01
461724095480101 IWPA SITE POND NEAR UNDERWOOD, MN (LAT 46 17 24N LONG 095 48 01W)			
AUG 2001			
23...	--	--	01
463534095412201 WETLAND SE OF PAUL LAKE NEAR PERHAM, MN (SUN) (LAT 46 35 34N LONG 095 41 22W)			
AUG 2001			
23...	--	--	01
463638096143901 UNNAMED POND NEAR NORWEGIAN GROVE, MN (JWPA 2) (LAT 46 36 38N LONG 096 14 39W)			
AUG 2001			
23...	--	--	01
463712096154001 JWPA SITE POND NEAR PELICAN RAPIDS, MN (LAT 46 37 12N LONG 096 15 40W)			
JUN 2001			
13...	--	--	01
13...	--	--	01
AUG			
06...	6.3	4.7	01
06...	7.8	3.2	01
06...	9.0	3.5	77
07...	16.0	4.3	01
464804096090301 WETLAND NW OF UPR CORMORANT NR LAKE PARK, MN (DOR) (LAT 46 48 04N LONG 096 09 03W)			
AUG 2001			
24...	--	--	01
05053800 RED RIVER OF THE NORTH ABOVE FARGO, ND (LAT 46 48 14N LONG 096 47 47W)			
OCT 2000			
19...	--	--	01
APR 2001			
11...	--	--	01
JUL			
12...	--	--	01
05054020 RED RIVER OF THE NORTH BELOW FARGO, ND (LAT 46 55 50N LONG 096 47 05W)			
OCT 2000			
18...	--	--	01
APR 2001			
11...	--	--	01

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (90095)	PH WATER FIELD (STAND- ARDS) UNITS (00400)	PH WATER LAB (STAND- ARDS) UNITS (00403)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
05054020 RED RIVER OF THE NORTH BELOW FARGO, ND (LAT 46 55 50N LONG 096 47 05W)												
JUL 2001 12...	1040	ENVIRONMENTAL	--	--	731	--	7.9	--	E33.0	25.4	--	744
465627096055401 UNNAMED POND NEAR LAKE PARK, MN (CBA) (LAT 46 56 27N LONG 096 05 54W)												
AUG 2001 24...	1000	ENVIRONMENTAL	--	--	738	712	7.2	7.6	27.0	18.7	--	733
05075000 RED LAKE RIVER AT HIGH LANDING, NEAR GOODRIDGE, MN (LAT 48 02 34N LONG 095 48 28W)												
OCT 25...	0845	ENVIRONMENTAL	5.54	668	288	--	7.9	--	15.0	10.2	7.2	732
DEC 06...	0930	ENVIRONMENTAL	7.93	927	301	--	8.3	--	-15.0	0	2.5	737
JAN 29...	1410	ENVIRONMENTAL	8.46	850	311	--	8.3	--	-2.5	0	1.3	726
MAR 16...	0820	ENVIRONMENTAL	8.68	1640	310	--	8.0	--	1.0	0	2.1	738
MAY 10...	0935	ENVIRONMENTAL	7.52	1260	277	--	7.7	--	--	12.4	4.6	731
473822096061601 UNNAMED POND NEAR ERSKINE, MN (HYD) (LAT 47 38 22N LONG 096 06 16W)												
AUG 2001 24...	1230	ENVIRONMENTAL	--	--	458	403	6.8	7.8	29.0	24.4	--	732
05082000 RED LAKE R. AT ST. HWY 220 ABV EAST GRAND FORKS, MN (LAT 47 53 48N LONG 096 57 42W)												
OCT 2000 23...	1450	ENVIRONMENTAL	--	1190	434	--	8.2	--	--	9.2	--	751
APR 2001 12...	1420	ENVIRONMENTAL	--	14900	272	--	7.9	--	11.0	1.7	--	738
JUL 09...	1635	ENVIRONMENTAL	--	1570	343	--	8.1	--	39.0	26.6	--	740
05086900 MIDDLE RIVER NR NEWFOLDEN MN (LAT 48 22 04N LONG 096 16 47W)												
APR 2001 05...	1635	ENVIRONMENTAL	16.78	1270	227	--	7.2	--	5.5	1.0	8.5	735
482226092283301 SANDPOINT LK BL HARRISON NARROWS NR CRANE LK, MN (LAT 48 22 26N LONG 092 28 33W)												
MAY 2001 16...	1030	ENVIRONMENTAL	--	--	63	60	7.0	7.3	--	10.7	--	--
AUG 21...	1700	BLANK	--	--	--	--	--	--	--	--	--	--
AUG 21...	1030	ENVIRONMENTAL	--	--	64	62	7.3	7.2	--	21.4	--	730
482616092372201 NAMAKAN LAKE NEAR RAY, MN (LAT 48 26 16N LONG 092 37 22W)												
MAY 2001 16...	1240	ENVIRONMENTAL	--	--	50	46	7.2	7.6	--	9.9	--	--
AUG 21...	1215	ENVIRONMENTAL	--	--	48	49	7.3	7.9	--	22.1	--	731
483622092560701 RAINY LK AT BRULE NARROWS NR INTERNTL FALLS, MN (LAT 48 36 22N LONG 092 56 07W)												
MAY 2001 15...	1315	ENVIRONMENTAL	--	--	56	49	7.4	7.3	--	8.2	--	--
MAY 15...	1320	BLANK	--	--	--	<3	--	6.1	--	--	--	--
AUG 20...	1300	ENVIRONMENTAL	--	--	47	48	7.5	7.9	25.5	21.5	--	735

MISCELLANEOUS SITES--Continued

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

DATE	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
05054020 RED RIVER OF THE NORTH BELOW FARGO, ND (LAT 46 55 50N LONG 096 47 05W)													
JUL 2001 12...	6.2	77	--	--	--	--	--	--	--	--	--	--	--
465627096055401 UNNAMED POND NEAR LAKE PARK, MN (CBA) (LAT 46 56 27N LONG 096 05 54W)													
AUG 2001 24...	2.2	24	380	311	379	0	4.6	.2	23.3	87.2	463	E.021	E.003
05075000 RED LAKE RIVER AT HIGH LANDING, NEAR GOODRIDGE, MN (LAT 48 02 34N LONG 095 48 28W)													
OCT 25...	10.1	94	--	--	--	--	--	--	--	--	--	--	--
DEC 06...	12.8	90	--	--	--	--	--	--	--	--	--	--	--
JAN 29...	14.0	100	--	--	--	--	--	--	--	--	--	--	--
MAR 16...	13.1	92	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	9.5	92	--	--	--	--	--	--	--	--	--	--	--
473822096061601 UNNAMED POND NEAR ERSKINE, MN (HYD) (LAT 47 38 22N LONG 096 06 16W)													
AUG 2001 24...	6.8	85	210	188	230	0	10.2	.3	13.6	25.9	292	E.170	<.006
05082000 RED LAKE R. AT ST. HWY 220 ABV EAST GRAND FORKS, MN (LAT 47 53 48N LONG 096 57 42W)													
OCT 2000 23...	9.6	85	--	--	--	--	--	--	--	--	--	--	--
APR 2001 12...	11.5	85	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	7.0	90	--	--	--	--	--	--	--	--	--	--	--
05086900 MIDDLE RIVER NR NEWFOLDEN MN (LAT 48 22 04N LONG 096 16 47W)													
APR 2001 05...	10.8	79	--	--	--	--	--	--	--	--	--	--	--
482226092283301 SANDPOINT LK BL HARRISON NARROWS NR CRANE LK, MN (LAT 48 22 26N LONG 092 28 33W)													
MAY 2001 16...	10.9	98	24	16	20	.0	2.1	--	--	4.1	54	.014	.001
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	6.9	82	26	20	24	.0	2.5	--	--	3.4	61	.053	.004
482616092372201 NAMAKAN LAKE NEAR RAY, MN (LAT 48 26 16N LONG 092 37 22W)													
MAY 2001 16...	10.7	93	20	14	17	.0	1.1	--	--	2.8	44	.005	.001
AUG 21...	7.8	90	20	16	20	.0	1.6	--	--	3.1	44	.022	.002
483622092560701 RAINY LK AT BRULE NARROWS NR INTERNINL FALLS, MN (LAT 48 36 22N LONG 092 56 07W)													
MAY 2001 15...	13.1	112	21	15	19	.0	1.0	--	--	2.8	49	<.002	.001
15...	--	111	--	--	--	--	<.1	--	--	<.1	<10	.002	<.001
AUG 20...	8.0	90	20	16	19	.0	1.1	--	--	3.4	42	.015	.001

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
05054020 RED RIVER OF THE NORTH BELOW FARGO, ND (LAT 46 55 50N LONG 096 47 05W)													
JUL 2001 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
465627096055401 UNNAMED POND NEAR LAKE PARK, MN (CBA) (LAT 46 56 27N LONG 096 05 54W)													
AUG 2001 24...	.47	.71	E.083	.168	.103	E.089	5.5	--	84.8	40.2	6.4	.1	2.64
05075000 RED LAKE RIVER AT HIGH LANDING, NEAR GOODRIDGE, MN (LAT 48 02 34N LONG 095 48 28W)													
OCT 25...	--	--	--	--	--	--	18	18	--	--	--	--	--
DEC 06...	--	--	--	--	--	--	17	20	--	--	--	--	--
JAN 29...	--	--	--	--	--	--	20	21	--	--	--	--	--
MAR 16...	--	--	--	--	--	--	14	14	--	--	--	--	--
MAY 10...	--	--	--	--	--	--	14	16	--	--	--	--	--
473822096061601 UNNAMED POND NEAR ERSKINE, MN (HYD) (LAT 47 38 22N LONG 096 06 16W)													
AUG 2001 24...	1.6	2.1	<.050	.172	.063	E.034	20	--	49.2	20.7	2.7	.1	4.35
05082000 RED LAKE R. AT ST. HWY 220 ABV EAST GRAND FORKS, MN (LAT 47 53 48N LONG 096 57 42W)													
OCT 23...	--	--	--	--	--	--	13	--	--	--	--	--	--
APR 2001 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
05086900 MIDDLE RIVER NR NEWFOLDEN MN (LAT 48 22 04N LONG 096 16 47W)													
APR 2001 05...	--	--	--	--	--	--	18	19	--	--	--	--	--
482226092283301 SANDPOINT LK BL HARRISON NARROWS NR CRANE LK, MN (LAT 48 22 26N LONG 092 28 33W)													
MAY 2001 16...	.43	.58	.046	.020	.011	<.007	--	--	5.86	2.32	1.9	.2	1.01
AUG 21...	--	--	--	<.004	--	--	--	--	--	--	--	--	--
AUG 21...	.63	.63	.027	.019	.011	<.007	--	--	6.32	2.53	1.8	.2	1.18
482616092372201 NAMAKAN LAKE NEAR RAY, MN (LAT 48 26 16N LONG 092 37 22W)													
MAY 2001 16...	.35	.45	.061	.014	E.005	<.007	--	--	4.94	1.75	1.3	.1	.56
AUG 21...	.34	.39	.040	.008	E.003	<.007	--	--	4.97	1.84	1.4	.1	.60
483622092560701 RAINY LK AT BRULE NARROWS NR INTERNL FALLS, MN (LAT 48 36 22N LONG 092 56 07W)													
MAY 2001 15...	.31	.37	.056	.019	.006	<.007	--	--	5.29	1.84	1.3	.1	.59
MAY 15...	<.10	<.08	<.005	<.004	<.006	<.007	--	--	.01	<.008	<.1	--	<.09
AUG 20...	.30	.37	.054	.011	E.003	<.007	--	--	5.02	1.85	1.4	.1	.69

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001								
DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	DATA BASE NUMBER
05054020	RED RIVER OF THE NORTH BELOW FARGO, ND (LAT 46 55 50N LONG 096 47 05W)							
JUL 2001 12...	--	--	--	--	--	--	--	01
465627096055401	UNNAMED POND NEAR LAKE PARK, MN (CBA) (LAT 46 56 27N LONG 096 05 54W)							
AUG 2001 24...	60	215	436	--	--	--	--	01
05075000	RED LAKE RIVER AT HIGH LANDING, NEAR GOODRIDGE, MN (LAT 48 02 34N LONG 095 48 28W)							
OCT 25...	--	--	--	16	97	--	--	--
DEC 06...	--	--	--	10	75	--	--	--
JAN 29...	--	--	--	9	62	--	--	--
MAR 16...	--	--	--	7	59	--	--	--
MAY 10...	--	--	--	20	72	--	--	--
473822096061601	UNNAMED POND NEAR ERSKINE, MN (HYD) (LAT 47 38 22N LONG 096 06 16W)							
AUG 2001 24...	10	99.6	240	--	--	--	--	01
05082000	RED LAKE R. AT ST. HWY 220 ABV EAST GRAND FORKS, MN (LAT 47 53 48N LONG 096 57 42W)							
OCT 2000 23...	--	--	--	--	--	--	--	01
APR 2001 12...	--	--	--	--	--	--	--	01
JUL 09...	--	--	--	--	--	--	--	01
05086900	MIDDLE RIVER NR NEWFOLDEN MN (LAT 48 22 04N LONG 096 16 47W)							
APR 2001 05...	--	--	--	236	100	--	--	01
482226092283301	SANDPOINT LK BL HARRISON NARROWS NR CRANE LK, MN (LAT 48 22 26N LONG 092 28 33W)							
MAY 2001 16...	--	6.2	27	--	--	2.1	<.1	01
AUG 21...	--	--	--	--	--	--	--	77
21...	--	5.2	30	--	--	.2	<.1	01
482616092372201	NAMAKAN LAKE NEAR RAY, MN (LAT 48 26 16N LONG 092 37 22W)							
MAY 2001 16...	--	E1.9	21	--	--	1.9	<.1	01
AUG 21...	--	<3.0	24	--	--	.5	<.1	01
483622092560701	RAINY LK AT BRULE NARROWS NR INTERNINL FALLS, MN (LAT 48 36 22N LONG 092 56 07W)							
MAY 2001 15...	--	<3.0	22	--	--	3.3	E.1	01
15...	--	<3.0	--	--	--	--	--	77
AUG 20...	--	<3.0	23	--	--	1.0	<.1	01

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	TIME	SAMPLE TYPE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER FIELD (STAND- ARDS UNITS) (00400)	PH WATER LAB (STAND- ARDS UNITS) (00403)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
482607092511701 KABETOGAMA LK AT MOUTH OF MEADWOOD BAY NR RAY MN (LAT 48 26 07N LONG 092 51 17W)												
MAY 2001												
16...	1430	ENVIRONMENTAL	102	--	7.4	--	--	8.0	--	9.3	78	--
16...	1432	REPLICATE	--	88	--	7.4	--	--	--	--	--	41
30...	1445	ENVIRONMENTAL	95	--	7.4	--	--	14.8	--	7.0	104	--
JUN												
12...	1410	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
25...	1340	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
JUL												
10...	1450	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
24...	1120	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
24...	1125	REPLICATE	--	--	--	--	--	--	--	--	--	--
AUG												
07...	1320	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
21...	1345	ENVIRONMENTAL	100	99	8.6	7.8	--	22.9	731	9.5	110	48
SEP												
05...	1115	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
18...	1100	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
482812092500801 EK LAKE NR INTERNATIONAL FALLS MN (LAT 48 28 12N LONG 092 50 08W)												
SEP 2001												
20...	1454	ENVIRONMENTAL	28	--	7.5	--	--	18.3	731	8.4	94	--
482731092574701 KABETOGAMA LAKE NEAR GRAVE ISLAND NEAR RAY, MN (LAT 48 27 31N LONG 092 57 47W)												
MAY 2001												
17...	0930	ENVIRONMENTAL	97	101	7.8	7.6	--	11.2	--	11.4	104	49
31...	1055	ENVIRONMENTAL	98	--	7.4	--	--	14.1	--	6.8	102	--
JUN												
12...	1515	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
26...	1430	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
JUL												
10...	1545	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
24...	1025	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
AUG												
07...	1400	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
22...	1030	ENVIRONMENTAL	100	98	8.9	8.6	--	22.3	731	10.0	115	48
SEP												
05...	1030	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
18...	1010	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
483012093035001 KABETOGAMA LAKE AT CEMETARY ISLAND NEAR RAY, MN (LAT 48 30 12N LONG 093 03 50W)												
MAY 2001												
17...	1015	ENVIRONMENTAL	87	94	7.5	7.8	--	7.6	--	9.1	79	43
17...	1030	BLANK	--	--	--	--	--	--	--	--	--	--
31...	1000	ENVIRONMENTAL	94	--	6.6	--	--	13.6	--	7.1	104	--
JUN												
12...	1610	ENVIRONMENTAL	--	--	7.5	--	--	18.5	--	--	--	--
26...	1530	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
JUL												
10...	1655	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
24...	0935	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
AUG												
07...	1440	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
22...	0930	ENVIRONMENTAL	97	93	9.0	8.8	23.0	22.2	731	10.0	116	46

MISCELLANEOUS SITES--Continued

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

DATE	ALKA-LINITY WAT DIS TOT IT FIELD CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SULFATE DIS-SOLVED (MG/L) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) (00613)	NITRO-GEN, AM-MONIA + ORGANIC DIS. TOTAL (MG/L) (00623)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (00631)	PHOS-PHORUS TOTAL (MG/L) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L) (00666)
482607092511701 KABETOGAMA LK AT MOUTH OF MEADWOOD BAY NR RAY MN (LAT 48 26 07N LONG 092 51 17W)													
MAY 2001													
16...	35	42	.0	--	--	--	--	--	--	--	--	--	--
16...	40	49	.0	1.0	2.5	57	.008	.001	.38	.52	.033	.018	.007
30...	--	--	--	--	--	--	--	--	--	--	--	.018	--
JUN													
12...	--	--	--	--	--	--	--	--	--	--	--	.016	--
25...	--	--	--	--	--	--	--	--	--	--	--	.019	--
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	.021	--
24...	--	--	--	--	--	--	--	--	--	--	--	.023	--
24...	--	--	--	--	--	--	--	--	--	--	--	.018	--
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	.038	--
21...	42	52	.0	1.1	2.1	76	.007	.002	.52	.68	<.005	.043	.009
SEP													
05...	--	--	--	--	--	--	--	--	--	--	--	.045	--
18...	--	--	--	--	--	--	--	--	--	--	--	.038	--
482812092500801 EK LAKE NR INTERNATIONAL FALLS MN (LAT 48 28 12N LONG 092 50 08W)													
SEP 2001													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
482731092574701 KABETOGAMA LAKE NEAR GRAVE ISLAND NEAR RAY, MN (LAT 48 27 31N LONG 092 57 47W)													
MAY 2001													
17...	41	50	.0	1.3	2.5	65	.008	.001	.39	.54	<.005	.024	.008
31...	--	--	--	--	--	--	--	--	--	--	--	.027	--
JUN													
12...	--	--	--	--	--	--	--	--	--	--	--	.019	--
26...	--	--	--	--	--	--	--	--	--	--	--	.020	--
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	.017	--
24...	--	--	--	--	--	--	--	--	--	--	--	.022	--
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	.034	--
22...	44	53	4	1.3	2.2	68	.009	<.001	.43	1.1	.005	.055	.010
SEP													
05...	--	--	--	--	--	--	--	--	--	--	--	.052	--
18...	--	--	--	--	--	--	--	--	--	--	--	.043	--
483012093035001 KABETOGAMA LAKE AT CEMETARY ISLAND NEAR RAY, MN (LAT 48 30 12N LONG 093 03 50W)													
MAY 2001													
17...	37	45	.0	1.2	2.5	59	.002	<.001	.37	.51	<.005	.020	.007
17...	--	--	--	--	--	--	--	--	--	--	--	<.004	--
31...	--	--	--	--	--	--	--	--	--	--	--	.018	--
JUN													
12...	--	--	--	--	--	--	--	--	--	--	--	.017	--
26...	--	--	--	--	--	--	--	--	--	--	--	.019	--
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	.021	--
24...	--	--	--	--	--	--	--	--	--	--	--	.037	--
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	.048	--
22...	38	46	3	1.3	2.3	63	.008	.002	.45	.93	.008	.052	.009

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	DATA BASE NUMBER
482607092511701 KABETOGAMA LK AT MOUTH OF MEADWOOD BAY NR RAY MN (LAT 48 26 07N LONG 092 51 17W)												
MAY 2001												
16...	--	--	--	--	--	--	--	--	--	2.9	<.1	01
16...	<.007	--	10.1	3.90	1.4	.1	.88	<3.0	44	3.0	E.1	77
30...	--	--	--	--	--	--	--	--	--	1.1	<.1	01
JUN												
12...	--	--	--	--	--	--	--	--	--	.9	<.1	01
25...	--	--	--	--	--	--	--	--	--	2.6	<.1	01
JUL												
10...	--	--	--	--	--	--	--	--	--	2.8	<.1	01
24...	--	--	--	--	--	--	--	--	--	4.4	<.1	01
24...	--	--	--	--	--	--	--	--	--	4.0	<.1	77
AUG												
07...	--	--	--	--	--	--	--	--	--	20.5	E.3	01
21...	<.007	--	11.7	4.49	1.4	.1	.99	<3.0	47	4.4	<.1	01
SEP												
05...	--	--	--	--	--	--	--	--	--	6.1	.4	01
18...	--	--	--	--	--	--	--	--	--	2.7	<.1	01
482812092500801 EK LAKE NR INTERNATIONAL FALLS MN (LAT 48 28 12N LONG 092 50 08W)												
SEP 2001												
20...	--	13	--	--	--	--	--	--	--	--	--	01
482731092574701 KABETOGAMA LAKE NEAR GRAVE ISLAND NEAR RAY, MN (LAT 48 27 31N LONG 092 57 47W)												
MAY 2001												
17...	<.007	--	12.0	4.57	1.5	.1	1.00	<3.0	47	3.2	<.1	01
31...	--	--	--	--	--	--	--	--	--	1.8	<.1	01
JUN												
12...	--	--	--	--	--	--	--	--	--	1.2	<.1	01
26...	--	--	--	--	--	--	--	--	--	1.9	<.1	01
JUL												
10...	--	--	--	--	--	--	--	--	--	2.7	<.1	01
24...	--	--	--	--	--	--	--	--	--	3.2	<.1	01
AUG												
07...	--	--	--	--	--	--	--	--	--	16.1	E.2	01
22...	<.007	--	11.7	4.48	1.5	.1	.98	<3.0	52	21.4	<.1	01
SEP												
05...	--	--	--	--	--	--	--	--	--	9.5	.4	01
18...	--	--	--	--	--	--	--	--	--	5.4	.2	01
483012093035001 KABETOGAMA LAKE AT CEMETARY ISLAND NEAR RAY, MN (LAT 48 30 12N LONG 093 03 50W)												
MAY 2001												
17...	<.007	--	10.6	4.06	1.5	.1	.81	<3.0	43	1.9	<.1	01
17...	--	--	--	--	--	--	--	--	--	--	--	77
31...	--	--	--	--	--	--	--	--	--	E1.4	<.1	01
JUN												
12...	--	--	--	--	--	--	--	--	--	.9	<.1	01
26...	--	--	--	--	--	--	--	--	--	1.7	<.1	01
JUL												
10...	--	--	--	--	--	--	--	--	--	2.9	<.1	01
24...	--	--	--	--	--	--	--	--	--	2.8	<.1	01
AUG												
07...	--	--	--	--	--	--	--	--	--	10.1	E.2	01
22...	<.007	--	11.3	4.38	1.5	.1	.94	<3.0	48	19.4	<.1	01

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS (00452)	CHLO-RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
483012093035001 KABETOGAMA LAKE AT CEMETARY ISLAND NEAR RAY, MN (LAT 48 30 12N LONG 093 03 50W)													
SEP 2001													
05...	--	--	--	--	--	--	--	--	--	--	--	.052	--
18...	--	--	--	--	--	--	--	--	--	--	--	.067	--
18...	--	--	--	--	--	--	--	--	--	--	--	.062	--
483304093062701 RAINY LAKE AT BLACK BAY NR INT FALLS MN (LAT 48 33 04N LONG 093 06 27W)													
MAY 2001													
15...	37	45	.0	1.2	2.5	57	.003	.001	.36	.46	<.005	.029	E.006
29...	--	--	--	--	--	--	--	--	--	--	--	.031	--
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	.023	--
25...	--	--	--	--	--	--	--	--	--	--	--	.024	--
JUL													
09...	--	--	--	--	--	--	--	--	--	--	--	.054	--
23...	--	--	--	--	--	--	--	--	--	--	--	.084	--
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	.051	--
20...	42	51	.0	1.2	2.8	66	.011	<.001	.38	.62	.006	.037	.011
SEP													
04...	--	--	--	--	--	--	--	--	--	--	--	.045	--
17...	--	--	--	--	--	--	--	--	--	--	--	.045	--
483341093111501 RAINY LK AT BLACK BAY (WEST) NR INTERNATIONAL FLLS (LAT 48 32 30N LONG 093 11 15W)													
MAY 2001													
15...	43	52	.0	1.2	2.0	94	.009	.002	.64	.83	.008	.037	.013
29...	--	--	--	--	--	--	--	--	--	--	--	.030	--
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	.041	--
25...	--	--	--	--	--	--	--	--	--	--	--	.031	--
JUL													
09...	--	--	--	--	--	--	--	--	--	--	--	.032	--
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	.029	--
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	.049	--
20...	49	59	.0	1.1	2.2	104	.015	.004	.77	1.1	.006	.066	.023
SEP													
04...	--	--	--	--	--	--	--	--	--	--	--	.067	--
17...	--	--	--	--	--	--	--	--	--	--	--	.057	--
483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)													
MAY 2001													
15...	35	43	.0	1.2	2.2	75	.002	.001	.49	.69	<.005	.035	.011
29...	--	--	--	--	--	--	--	--	--	--	--	.028	--
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	.027	--
25...	--	--	--	--	--	--	--	--	--	--	--	.027	--
JUL													
09...	--	--	--	--	--	--	--	--	--	--	--	.033	--
23...	--	--	--	--	--	--	--	--	--	--	--	.035	--
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	.043	--

MISCELLANEOUS SITES--Continued

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

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	DATA BASE NUMBER
483012093035001 KABETOGAMA LAKE AT CEMETARY ISLAND NEAR RAY, MN (LAT 48 30 12N LONG 093 03 50W)											
SEP 2001											
05...	--	--	--	--	--	--	--	--	6.8	<.1	01
18...	--	--	--	--	--	--	--	--	9.0	.2	01
18...	--	--	--	--	--	--	--	--	4.2	.1	77
483304093062701 RAINY LAKE AT BLACK BAY NR INT FALLS MN (LAT 48 33 04N LONG 093 06 27W)											
MAY 2001											
15...	<.007	10.4	4.00	1.5	.1	.84	<3.0	43	2.5	<.1	01
29...	--	--	--	--	--	--	--	--	1.3	<.1	01
JUN											
11...	--	--	--	--	--	--	--	--	.8	<.1	01
25...	--	--	--	--	--	--	--	--	1.6	<.1	01
JUL											
09...	--	--	--	--	--	--	--	--	7.8	<.1	01
23...	--	--	--	--	--	--	--	--	7.8	<.1	01
AUG											
06...	--	--	--	--	--	--	--	--	17.9	E.2	01
20...	<.007	11.5	4.45	1.5	.1	.97	<3.0	48	2.9	<.1	01
SEP											
04...	--	--	--	--	--	--	--	--	5.3	.2	01
17...	--	--	--	--	--	--	--	--	1.6	<.1	01
483341093111501 RAINY LK AT BLACK BAY (WEST) NR INTERNATIONAL FLLS (LAT 48 32 30N LONG 093 11 15W)											
MAY 2001											
15...	<.007	12.9	5.45	1.4	.1	1.08	E2.5	50	1.6	<.1	01
29...	--	--	--	--	--	--	--	--	E.6	<.1	01
JUN											
11...	--	--	--	--	--	--	--	--	.9	<.1	01
25...	--	--	--	--	--	--	--	--	1.2	<.1	01
JUL											
09...	--	--	--	--	--	--	--	--	3.8	E.1	01
09...	--	--	--	--	--	--	--	--	3.1	<.1	77
23...	--	--	--	--	--	--	--	--	12.0	<.1	01
AUG											
06...	--	--	--	--	--	--	--	--	.8	.1	01
20...	<.007	13.6	5.62	1.4	.1	1.23	7.7	54	7.1	.4	01
SEP											
04...	--	--	--	--	--	--	--	--	2.7	.5	01
17...	--	--	--	--	--	--	--	--	4.7	<.1	01
483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)											
MAY 2001											
15...	<.007	10.6	4.36	1.4	.1	.98	E1.9	42	2.4	<.1	01
29...	--	--	--	--	--	--	--	--	1.4	<.1	01
JUN											
11...	--	--	--	--	--	--	--	--	1.0	<.1	01
25...	--	--	--	--	--	--	--	--	2.9	<.1	01
JUL											
09...	--	--	--	--	--	--	--	--	13.6	E.2	01
23...	--	--	--	--	--	--	--	--	11.4	<.1	01
AUG											
06...	--	--	--	--	--	--	--	--	E2.4	E.1	01

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)													
AUG 2001	20...	1125	ENVIRONMENTAL	--	--	103	105	7.8	7.5	--	21.4	735	7.9
	20...	1130	REPLICATE	--	--	--	107	--	7.8	--	--	--	--
SEP	04...	1000	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
	17...	1005	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
05129510 RAINY RIVER BELOW INTERNATIONAL FALLS, MN (LAT 48 35 37N LONG 093 26 24W)													
SEP 2001	05...	0810	ENVIRONMENTAL	--	16500	52	--	7.2	--	--	20.2	736	8.2
462327093575801 UNNAMED POND NORTH OF L. NOKAY NR ESDEN, MN (CWB) (LAT 46 23 27N LONG 093 57 58W)													
JUN 2001	07...	1500	ENVIRONMENTAL	1.89	--	36	--	8.7	--	25.0	20.1	734	9.9
	07...	1630	ENVIRONMENTAL	1.89	--	--	--	--	--	--	--	--	--
	08...	1200	ENVIRONMENTAL	1.89	--	--	--	--	--	--	--	--	--
AUG	13...	1600	ENVIRONMENTAL	--	--	45	--	9.0	--	22.0	27.5	737	7.6
	13...	1630	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
	14...	1200	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
462151093552701 HORSESHOE LAKE NEAR BAY LAKE, MN (MHL) (LAT 46 21 51N LONG 093 55 27W)													
JUN 2001	12...	0900	ENVIRONMENTAL	--	--	30	--	6.9	--	23.0	21.5	726	8.5
	12...	1000	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
	12...	1100	ENVIRONMENTAL	--	--	--	--	6.9	--	--	--	--	--
AUG	14...	1730	ENVIRONMENTAL	--	--	30	--	8.4	--	24.0	26.0	728	6.8
	14...	1732	REPLICATE	--	--	30	--	8.4	--	23.5	26.0	728	6.8
	14...	1800	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
	15...	1100	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--
454838094490701 ZAGER LAKE NEAR WARD SPRINGS, MN (ZAG) (LAT 45 48 38N LONG 094 48 07W)													
AUG 2001	23...	1130	ENVIRONMENTAL	--	--	28	38	4.9	5.7	27.0	22.0	735	.4
05270010 MISSISSIPPI RIVER ABV SAUK RIVER NR SAUK RAPIDS, MN (LAT 45 35 56N LONG 094 11 13W)													
OCT 2000	17...	1255	ENVIRONMENTAL	--	3190	320	--	8.4	--	20.5	10.4	742	11.9
APR 2001	16...	1450	ENVIRONMENTAL	--	38500	161	--	8.3	--	.00	4.0	740	13.2
JUN	27...	0810	ENVIRONMENTAL	--	20600	256	--	7.8	--	25.0	23.0	746	8.4
450458094233501 UNNAMED POND SE OF L. DARWIN NEAR DARWIN, MN (ROI) (LAT 45 04 58N LONG 094 23 35W)													
AUG 2001	30...	1000	ENVIRONMENTAL	--	--	306	306	6.8	7.0	23.0	18.8	732	.4

MISCELLANEOUS SITES--Continued

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

DATE	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)													
AUG 2001													
20...	89	53	47	57	.0	1.0	--	--	1.8	97	.010	.003	.73
20...	--	55	--	--	--	1.1	--	--	1.7	97	.015	.003	.71
SEP													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
05129510 RAINY RIVER BELOW INTERNATIONAL FALLS, MN (LAT 48 35 37N LONG 093 26 24W)													
SEP 2001													
05...	94	--	--	--	--	--	--	--	--	--	--	--	--
462327093575801 UNNAMED POND NORTH OF L. NOKAY NR ESDEN, MN (CWB) (LAT 46 23 27N LONG 093 57 58W)													
JUN 2001													
07...	112	--	16	20	0	--	--	--	--	--	--	--	--
07...	--	--	18	22	0	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
13...	97	--	21	19	1	--	--	--	--	--	--	--	--
13...	--	--	22	27	6	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
462151093552701 HORSESHOE LAKE NEAR BAY LAKE, MN (MHL) (LAT 46 21 51N LONG 093 55 27W)													
JUN 2001													
12...	101	--	18	22	0	--	--	--	--	--	--	--	--
12...	--	--	12	15	0	--	--	--	--	--	--	--	--
12...	--	--	--	--	0	--	--	--	--	--	--	--	--
AUG													
14...	88	--	12	15	0	--	--	--	--	--	--	--	--
14...	88	--	12	15	0	--	--	--	--	--	--	--	--
14...	--	--	13	16	0	--	--	--	--	--	--	--	--
15...	--	--	--	--	0	--	--	--	--	--	--	--	--
454838094490701 ZAGER LAKE NEAR WARD SPRINGS, MN (ZAG) (LAT 45 48 38N LONG 094 48 07W)													
AUG 2001													
23...	5	14	12	15	0	.1	<.2	1.3	<.1	48	E.048	<.006	.76
05270010 MISSISSIPPI RIVER ABV SAUK RIVER NR SAUK RAPIDS,MN (LAT 45 35 56N LONG 094 11 13W)													
OCT 2000													
17...	109	--	--	--	--	--	--	--	--	--	--	--	--
APR 2001													
16...	103	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
27...	101	--	--	--	--	--	--	--	--	--	--	--	--
450458094233501 UNNAMED POND SE OF L. DARWIN NEAR DARWIN, MN (ROI) (LAT 45 04 58N LONG 094 23 35W)													
AUG 2001													
30...	4	140	145	177	0	4.5	E.1	2.1	.4	231	E.083	<.006	2.6

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)													
AUG 2001													
20...	.90	<.005	.064	.022	E.005	--	12.7	5.24	1.4	.1	1.13	--	7.9
20...	.99	.006	.063	.024	E.006	--	13.1	5.36	1.4	.1	1.18	--	8.0
SEP													
04...	--	--	.058	--	--	--	--	--	--	--	--	--	--
17...	--	--	.044	--	--	--	--	--	--	--	--	--	--
05129510 RAINY RIVER BELOW INTERNATIONAL FALLS, MN (LAT 48 35 37N LONG 093 26 24W)													
SEP 2001													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
462327093575801 UNNAMED POND NORTH OF L. NOKAY NR ESDEN, MN (CWB) (LAT 46 23 27N LONG 093 57 58W)													
JUN 2001													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
462151093552701 HORSESHOE LAKE NEAR BAY LAKE, MN (MHL) (LAT 46 21 51N LONG 093 55 27W)													
JUN 2001													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
454838094490701 ZAGER LAKE NEAR WARD SPRINGS, MN (ZAG) (LAT 45 48 38N LONG 094 48 07W)													
AUG 2001													
23...	1.6	<.050	.135	.026	E.033	16	3.31	1.31	.1	.0	1.04	350	232
05270010 MISSISSIPPI RIVER ABV SAUK RIVER NR SAUK RAPIDS, MN (LAT 45 35 56N LONG 094 11 13W)													
OCT 2000													
17...	--	--	--	--	--	7.5	--	--	--	--	--	--	--
APR 2001													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
450458094233501 UNNAMED POND SE OF L. DARWIN NEAR DARWIN, MN (ROI) (LAT 45 04 58N LONG 094 23 35W)													
AUG 2001													
30...	2.7	<.050	1.53	1.08	E.847	34	39.8	10.5	5.9	.2	11.2	500	429

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)
05278083 JEWITTS CREEK NEAR LITCHFIELD, MN (LAT 45 08 45N LONG 094 30 28W)												
SEP 2001 06...	1245	ENVIRONMENTAL	--	3.9	2020	--	7.3	--	--	23.4	730	6.1
05280400 CROW RIVER BELOW STATE HWY 101 AT DAYTON, MN (LAT 45 13 00N LONG 093 31 12W)												
OCT 2000 11...	1000	ENVIRONMENTAL	--	64	772	--	8.4	--	7.5	6.7	748	12.9
APR 2001 09...	1215	ENVIRONMENTAL	21.17	4120	310	--	7.2	--	11.0	4.2	738	10.2
JUN 21...	1130	ENVIRONMENTAL	--	3260	675	--	7.7	--	20.0	21.5	743	7.1
05288610 RICE CREEK AT COUNTY ROAD 1 IN FRIDLEY, MN (LAT 45 05 25N LONG 093 16 35W)												
OCT 2000 04...	0855	ENVIRONMENTAL	--	--	527	--	7.8	--	--	13.6	748	8.0
APR 2001 06...	0900	ENVIRONMENTAL	9.58	143	544	--	7.6	--	7.0	2.8	740	11.9
JUN 15...	1020	ENVIRONMENTAL	--	264	445	--	7.4	--	25.0	21.9	734	8.1
450258093054001 VADNAIS LAKE AT PUMPING STATION IN VADNAIS HGTS, MN (LAT 45 02 58N LONG 093 05 40W)												
OCT 2000 10...	1220	ENVIRONMENTAL	--	--	219	--	8.7	--	--	13.5	745	8.3
APR 2001 20...	0840	ENVIRONMENTAL	--	--	365	--	7.9	--	14.0	5.0	731	11.8
JUN 19...	1105	ENVIRONMENTAL	--	--	353	--	8.2	--	22.0	20.9	743	8.4
05315050 REDWOOD RIVER BELOW WWTP NEAR MARSHALL, MN (LAT 44 29 12N LONG 095 45 56W)												
SEP 2001 10...	1200	ENVIRONMENTAL	--	19	2020	--	8.1	--	18.0	19.2	740	10.4
443002093523901 UNNAMED POND NEAR LE SUEUR, MN (BUR) (LAT 44 30 02N LONG 093 52 39W)												
AUG 2001 29...	1500	ENVIRONMENTAL	--	--	291	296	7.7	7.6	26.0	24.3	736	7.5
05321990 BLUE EARTH RIVER AT CO. RD. 90 NEAR MANKATO, MN (LAT 44 07 42N LONG 094 02 55W)												
APR 2001 03...	1515	ENVIRONMENTAL	E24.21	21100	247	--	7.5	--	7.0	.8	750	13.8
JUL 02...	1340	ENVIRONMENTAL	--	3830	632	--	8.2	--	26.0	21.5	744	8.9
441620093443301 WETLAND E OF LAKE JEFFERSON NR CLEVELAND, MN (GEL) (LAT 44 16 20N LONG 093 44 33W)												
AUG 2001 29...	1200	ENVIRONMENTAL	--	--	316	322	7.0	7.1	22.0	20.6	736	.7

MISCELLANEOUS SITES--Continued

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

DATE	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
05278083 JEWITTS CREEK NEAR LITCHFIELD, MN (LAT 45 08 45N LONG 094 30 28W)													
SEP 2001 06...	76	--	--	--	--	--	--	--	--	--	--	--	--
05280400 CROW RIVER BELOW STATE HWY 101 AT DAYTON, MN (LAT 45 13 00N LONG 093 31 12W)													
OCT 2000 11...	108	--	--	--	--	--	--	--	--	--	--	--	--
APR 2001 09...	81	--	--	--	--	--	--	--	--	--	--	--	--
JUN 21...	83	--	--	--	--	--	--	--	--	--	--	--	--
05288610 RICE CREEK AT COUNTY ROAD 1 IN FRIDLEY, MN (LAT 45 05 25N LONG 093 16 35W)													
OCT 2000 04...	79	--	--	--	--	--	--	--	--	--	--	--	--
APR 2001 06...	90	--	--	--	--	--	--	--	--	--	--	--	--
JUN 15...	96	--	--	--	--	--	--	--	--	--	--	--	--
450258093054001 VADNAIS LAKE AT PUMPING STATION IN VADNAIS HGTS, MN (LAT 45 02 58N LONG 093 05 40W)													
OCT 2000 10...	82	--	--	--	--	--	--	--	--	--	--	--	--
APR 2001 20...	96	--	--	--	--	--	--	--	--	--	--	--	--
JUN 19...	97	--	--	--	--	--	--	--	--	--	--	--	--
05315050 REDWOOD RIVER BELOW WWTP NEAR MARSHALL, MN (LAT 44 29 12N LONG 095 45 56W)													
SEP 2001 10...	116	--	--	--	--	--	--	--	--	--	--	--	--
443002093523901 UNNAMED POND NEAR LE SUEUR, MN (BUR) (LAT 44 30 02N LONG 093 52 39W)													
AUG 2001 29...	92	160	132	161	3.8	.2	1.0	12.7	184	<.040	<.006	--	--
05321990 BLUE EARTH RIVER AT CO. RD. 90 NEAR MANKATO, MN (LAT 44 07 42N LONG 094 02 55W)													
APR 2001 03...	101	--	--	--	--	--	--	--	--	--	--	--	--
JUL 02...	103	--	--	--	--	--	--	--	--	--	--	--	--
441620093443301 WETLAND E OF LAKE JEFFERSON NR CLEVELAND, MN (GEL) (LAT 44 16 20N LONG 093 44 33W)													
AUG 2001 29...	8	160	142	173	10.7	.2	15.2	1.5	217	E.087	<.006	1.7	3.0

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
05278083 JEWITTS CREEK NEAR LITCHFIELD, MN (LAT 45 08 45N LONG 094 30 28W)													
SEP 2001 06...	--	--	--	--	--	--	--	--	--	--	--	--	--
05280400 CROW RIVER BELOW STATE HWY 101 AT DAYTON, MN (LAT 45 13 00N LONG 093 31 12W)													
OCT 2000 11...	--	--	--	--	4.0	--	--	--	--	--	--	--	--
APR 2001 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
05288610 RICE CREEK AT COUNTY ROAD 1 IN FRIDLEY, MN (LAT 45 05 25N LONG 093 16 35W)													
OCT 2000 04...	--	--	--	--	13	--	--	--	--	--	--	--	--
APR 2001 06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
450258093054001 VADNAIS LAKE AT PUMPING STATION IN VADNAIS HGTS, MN (LAT 45 02 58N LONG 093 05 40W)													
OCT 2000 10...	--	--	--	--	8.3	--	--	--	--	--	--	--	--
APR 2001 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
05315050 REDWOOD RIVER BELOW WWTP NEAR MARSHALL, MN (LAT 44 29 12N LONG 095 45 56W)													
SEP 2001 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
443002093523901 UNNAMED POND NEAR LE SUEUR, MN (BUR) (LAT 44 30 02N LONG 093 52 39W)													
AUG 2001 29...	<.050	--	--	E.053	12	37.7	15.1	1.2	.0	1.11	20	30.8	152
05321990 BLUE EARTH RIVER AT CO. RD. 90 NEAR MANKATO, MN (LAT 44 07 42N LONG 094 02 55W)													
APR 2001 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
441620093443301 WETLAND E OF LAKE JEFFERSON NR CLEVELAND, MN (GEL) (LAT 44 16 20N LONG 093 44 33W)													
AUG 2001 29...	<.050	.600	.107	E.042	18	37.6	16.4	5.0	.2	2.38	300	627	175

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DATA BASE NUMBER
05278083	JEWITTS CREEK NEAR LITCHFIELD, MN (LAT 45 08 45N LONG 094 30 28W)					
SEP 2001 06...	<1.0	<.500	<.500	<.500	<.500	01
05280400	CROW RIVER BELOW STATE HWY 101 AT DAYTON, MN (LAT 45 13 00N LONG 093 31 12W)					
OCT 2000 11...	--	--	--	--	--	01
APR 2001 09...	--	--	--	--	--	01
JUN 21...	--	--	--	--	--	01
05288610	RICE CREEK AT COUNTY ROAD 1 IN FRIDLEY, MN (LAT 45 05 25N LONG 093 16 35W)					
OCT 2000 04...	--	--	--	--	--	01
APR 2001 06...	--	--	--	--	--	01
JUN 15...	--	--	--	--	--	01
450258093054001	VADNAIS LAKE AT PUMPING STATION IN VADNAIS HGTS, MN (LAT 45 02 58N LONG 093 05 40W)					
OCT 2000 10...	--	--	--	--	--	01
APR 2001 20...	--	--	--	--	--	01
JUN 19...	--	--	--	--	--	01
05315050	REDWOOD RIVER BELOW WWTP NEAR MARSHALL, MN (LAT 44 29 12N LONG 095 45 56W)					
SEP 2001 10...	<1.0	<.500	<.500	E.026	<.500	01
443002093523901	UNNAMED POND NEAR LE SUEUR, MN (BUR) (LAT 44 30 02N LONG 093 52 39W)					
AUG 2001 29...	--	--	--	--	--	01
05321990	BLUE EARTH RIVER AT CO. RD. 90 NEAR MANKATO, MN (LAT 44 07 42N LONG 094 02 55W)					
APR 2001 03...	--	--	--	--	--	01
JUL 02...	--	--	--	--	--	01
441620093443301	WETLAND E OF LAKE JEFFERSON NR CLEVELAND, MN (GEL) (LAT 44 16 20N LONG 093 44 33W)					
AUG 2001 29...	--	--	--	--	--	01

MISCELLANEOUS SITES--Continued

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

DATE	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
	443203093524501 UNNAMED POND EAST-NORTHEAST OF HENDERSON, MN (NEY) (LAT 44 32 03N LONG 093 52 45W)												
AUG 2001 29...	85	170	141	172	0	8.6	.2	13.6	.9	202	E.369	<.006	1.8
	444955092554201 PINE TREE POND IN COTTAGE GROVE, MN (PTP) (LAT 44 49 55N LONG 092 55 42W)												
AUG 2001 27...	96	24	32	39	11	19.5	<.2	4.3	3.5	104	<.040	<.006	.67
	05341551 ST. CROIX RIVER BELOW STILLWATER, MN (LAT 45 02 15N LONG 092 46 42W)												
SEP 2001 18...	86	--	--	--	--	--	--	--	--	--	--	--	--
	05344998 VERMILLION RIVER BELOW EMPIRE WWTP NEAR EMPIRE, MN (LAT 44 39 49N LONG 093 04 30W)												
SEP 2001 17...	85	--	--	--	--	--	--	--	--	--	--	--	--
	440712091560901 UNNAMED FARM POND NEAR ALTURA, MN (ALT-GRAZED) (LAT 44 07 12N LONG 091 56 09W)												
AUG 2001 28...	136	62	82	85	7	5.4	E.1	1.6	.1	140	E.038	<.006	--
	440023091565601 UNNAMED FARM POND NEAR UTICA, MN (UTI-NGRAZ) (LAT 44 00 23N LONG 091 56 56W)												
AUG 2001 28...	80	10	16	20	0	.3	<.2	.7	.4	37	E.022	<.006	.77
	434028091205301 UNNAMED FARM POND NEAR BROWNSVILLE, MN (BRO-GRAZE) (LAT 43 40 28N LONG 091 20 53W)												
AUG 2001 28...	200	52	61	74	33	3.0	E.1	1.9	.7	98	<.040	<.006	1.0
	05455978 CEDAR RIVER BELOW TREATMENT PLANT AT AUSTIN, MN (LAT 43 38 58N LONG 092 58 24W)												
SEP 2001 19...	89	--	--	--	--	--	--	--	--	--	--	--	--
	05474885 OKABENA CREEK NEAR WORTHINGTON, MN (LAT 43 38 51N LONG 095 31 57W)												
SEP 2001 10...	122	--	--	--	--	--	--	--	--	--	--	--	--
	05475450 COTTONWOOD LAKE AT WINDOM, MN (LAT 43 52 31N LONG 095 06 08W)												
JUL 2001 19...	79	--	--	--	--	--	--	--	--	--	--	--	--
	432711095105401 UNNAMED WETLAND NEAR MONTGOMERY, IA (OKB2) (LAT 43 27 11N LONG 095 10 54W)												
SEP 2001 02...	84	250	239	287	2	6.0	.3	3.3	1.1	282	E.042	E.003	2.0
	432730095111601 UNNAMED WETLAND NEAR MONTGOMERY, IA (OKB1) (LAT 43 27 30N LONG 095 11 16W)												
SEP 2001 02...	16	220	214	201	29	3.0	.5	1.1	1.1	279	<.040	<.006	E2.5

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
	443203093524501 UNNAMED POND EAST-NORTHEAST OF HENDERSON, MN (NEY) (LAT 44 32 03N LONG 093 52 45W)												
AUG 2001 29...	2.0	<.050	.208	.120	E.057	11	33.1	21.4	3.1	.1	3.13	560	889
	444955092554201 PINE TREE POND IN COTTAGE GROVE, MN (PTP) (LAT 44 49 55N LONG 092 55 42W)												
AUG 2001 27...	2.7	<.050	.239	.025	<.020	8.8	6.39	1.86	17.8	2	2.17	20	<3.0
	05341551 ST. CROIX RIVER BELOW STILLWATER, MN (LAT 45 02 15N LONG 092 46 42W)												
SEP 2001 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
	05344998 VERMILLION RIVER BELOW EMPIRE WWTP NEAR EMPIRE, MN (LAT 44 39 49N LONG 093 04 30W)												
SEP 2001 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
	440712091560901 UNNAMED FARM POND NEAR ALTURA, MN (ALT-GRAZED) (LAT 44 07 12N LONG 091 56 09W)												
AUG 2001 28...	--	<.050	--	--	E.161	12	15.7	5.42	1.0	.1	26.9	160	78.3
	440023091565601 UNNAMED FARM POND NEAR UTICA, MN (UTI-NGRAZ) (LAT 44 00 23N LONG 091 56 56W)												
AUG 2001 28...	1.8	<.050	.400	.020	<.020	7.6	2.00	1.16	.5	.1	3.85	<10	360
	434028091205301 UNNAMED FARM POND NEAR BROWNSVILLE, MN (BRO-GRAZE) (LAT 43 40 28N LONG 091 20 53W)												
AUG 2001 28...	4.7	<.050	.305	.037	<.020	8.9	13.2	4.49	.7	.0	12.6	30	11.6
	05455978 CEDAR RIVER BELOW TREATMENT PLANT AT AUSTIN, MN (LAT 43 38 58N LONG 092 58 24W)												
SEP 2001 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
	05474885 OKABENA CREEK NEAR WORTHINGTON, MN (LAT 43 38 51N LONG 095 31 57W)												
SEP 2001 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
	05475450 COTTONWOOD LAKE AT WINDOM, MN (LAT 43 52 31N LONG 095 06 08W)												
JUL 2001 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
	432711095105401 UNNAMED WETLAND NEAR MONTGOMERY, IA (OKB2) (LAT 43 27 11N LONG 095 10 54W)												
SEP 2001 02...	2.2	<.050	.241	.123	E.060	21	49.4	30.2	4.7	.1	6.29	260	175
	432730095111601 UNNAMED WETLAND NEAR MONTGOMERY, IA (OKB1) (LAT 43 27 30N LONG 095 11 16W)												
SEP 2001 02...	2.5	<.050	.428	E.363	E.247	29	50.7	22.6	2.5	.1	10.8	70	E2.2

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

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

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CHLOR- PYRIFOS DIS-SOLVED (UG/L) (38933)	DI- AZINON, DIS-SOLVED (UG/L) (39572)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DATA BASE NUMBER
443203093524501	UNNAMED POND EAST-NORTHEAST OF HENDERSON, MN (NEY) (LAT 44 32 03N LONG 093 52 45W)						
AUG 2001 29...	170	--	--	--	--	--	01
444955092554201	PINE TREE POND IN COTTAGE GROVE, MN (PTP) (LAT 44 49 55N LONG 092 55 42W)						
AUG 2001 27...	86	--	--	--	--	--	01
05341551	ST. CROIX RIVER BELOW STILLWATER, MN (LAT 45 02 15N LONG 092 46 42W)						
SEP 2001 18...	--	--	--	--	--	--	01
05344998	VERMILLION RIVER BELOW EMPIRE WWTP NEAR EMPIRE, MN (LAT 44 39 49N LONG 093 04 30W)						
SEP 2001 17...	--	<1.0	<.500	<.500	<.500	E.260	01
440712091560901	UNNAMED FARM POND NEAR ALTURA, MN (ALT-GRAZED) (LAT 44 07 12N LONG 091 56 09W)						
AUG 2001 28...	105	--	--	--	--	--	01
440023091565601	UNNAMED FARM POND NEAR UTICA, MN (UTI-NGRAZ) (LAT 44 00 23N LONG 091 56 56W)						
AUG 2001 28...	19	--	--	--	--	--	01
434028091205301	UNNAMED FARM POND NEAR BROWNSVILLE, MN (BRO-GRAZE) (LAT 43 40 28N LONG 091 20 53W)						
AUG 2001 28...	106	--	--	--	--	--	01
05455978	CEDAR RIVER BELOW TREATMENT PLANT AT AUSTIN, MN (LAT 43 38 58N LONG 092 58 24W)						
SEP 2001 19...	--	<1.0	<.500	<.500	E.095	<.500	01
05474885	OKABENA CREEK NEAR WORTHINGTON, MN (LAT 43 38 51N LONG 095 31 57W)						
SEP 2001 10...	--	<1.0	<.500	<.500	<.500	2.00	01
05475450	COTTONWOOD LAKE AT WINDOM, MN (LAT 43 52 31N LONG 095 06 08W)						
JUL 2001 19...	--	--	--	--	--	--	01
432711095105401	UNNAMED WETLAND NEAR MONTGOMERY, IA (OKB2) (LAT 43 27 11N LONG 095 10 54W)						
SEP 2001 02...	245	--	--	--	--	--	01
432730095111601	UNNAMED WETLAND NEAR MONTGOMERY, IA (OKB1) (LAT 43 27 30N LONG 095 11 16W)						
SEP 2001 02...	220	--	--	--	--	--	01

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