Water Quality at Miscellaneous Sites

Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage. Such stations are referred to as miscellaneous stations. Letter E indicates estimated value. Letter K indicates non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

05	5061330		- UNNAMED	POND, TR	IB. TO BI	G SLOUGH	NEAR ROLL	AG, MN
DA	ATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	ARD UNITS)	TEMPER- ATURE WATER (DEG C) (00010)		DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 08		1345	1540	7.5	.5	E5.2	.2	1
05	5061340		- STONY C	K (BIG SL	OUGH) ABV	OUTLT NR	BARNESVI	LLE, MN
DA	ATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	FIELD (STAND- ARD UNITS)		BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 08		1245	2430	7.0	.5	726	.2	2
05	5061382		- SOUTH F	OOL OUTLE	T OF BJORI	NSON W.M.	A. NR ROL	LAG, MN
FEB	ΥЕ	TIME		(00400)	ATURE WATER (DEG C) (00010)		DIS- SOLVED (MG/L) (00300)	(00301)
08		1630	1330	7.6	. 8	E1.5	.3	2
05	5061385		- RUSHFIE	LDT LAKE	NEAR DOWN	ER, MN		
DATE	TIM	CI CC DU E AN (US	PE- WA FIC WH DN- FI JCT- (ST ICE A S/CM) UN	'AND- AT RD WA IITS) (DE	URE B TER I GC) (N	ME PR UR- S ID- (IY IU) H	OF SO G) (M	OXYGEN, DIS- SOLVED GEN, (PER- IS- CENT LVED SATUR- G/L) ATION) 300) (00301)
FEB 08 08	1530 1535				.5 E2 .6			.2 47 .7
05	5061387		- NORTH F	POOL, BJOR	SON W.M.A	., NEAR R	OLLAG, MN	NEAR DOWNER, MN
DA	ATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)

(STAND- ATURE ARD WATER UNITS) (DEG C) (NTU) (US/CM) (MG/L) ATION) (00095) (00400) (00010) (00076) (00300) (00301) FEB 7.3 2 08... 1450 1290 .1 E.20 .3

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

05061388	- NOR	TH POOL	OUTLET OF	BJORNSON	W.M.A. NR	ROLLAG, MN
		SPE- CIFIC	PH WATER WHOLE		OWNER	OXYGEN, DIS- SOLVED
DATE	TIME	CON- DUCT- ANCE (US/CM) (00095)	FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	(PER- CENT SATUR- ATION) (00301)
FEB 08	1445	1360	7.3	.0	5.6	40

- GARDEN SLOUGH IMP. BELOW CO. RD. 19 NEAR GARY, MN

			PH			BARO-		OXYGEN,
		SPE-	WATER			METRIC		DIS-
		CIFIC	WHOLE			PRES-		SOLVED
		CON-	FIELD	TEMPER-	TUR-	SURE	OXYGEN,	(PER-
		DUCT-	(STAND-	ATURE	BID-	(MM	DIS-	CENT
DATE	TIME	ANCE	ARD	WATER	ITY	OF	SOLVED	SATUR-
		(US/CM)	UNITS)	(DEG C)	(NTU)	HG)	(MG/L)	ATION)
		(00095)	(00400)	(00010)	(00076)	(00025)	(00300)	(00301)
FEB								
09	1145	950	7.4	.5	E.10		.2	2
09	1215	1100	7.3	4.9	E6.5	742	.1	1
09	1220	1030	7.5	3.6				

05064000 - WILD RICE RIVER AT HENDRUM, MN

05062580

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SEDI-
                             MENT,
SUS-
PENDED
      DATE
                   TIME
                             (MG/L)
(80154)
OCT
28...
DEC
11...
MAY
10...
                   1025
                                92
                   1020
                                131
                   1510
                                408
JUN
15...
SEP
                   1640
                                175
   18...
                   1240
                                117
```

05067317 - SANDE IMP POOL B2, IN SUNDAL TWP. NR FLAMING, MN

			PH		BARO-		OXYGEN,
		SPE-	WATER		METRIC		DIS-
		CIFIC	WHOLE		PRES-		SOLVED
		CON-	FIELD	TEMPER-	SURE	OXYGEN,	(PER-
		DUCT-	(STAND-	ATURE	(MM	DIS-	CENT
DATE	TIME	ANCE	ARD	WATER	OF	SOLVED	SATUR-
		(US/CM)	UNITS)	(DEG C)	HG)	(MG/L)	ATION)
		(00095)	(00400)	(00010)	(00025)	(00300)	(00301)
FEB	1045	1 41 0		0		-	0
24	1345	1410	7.1	.8	735	.3	2

05067327 - POOL B3 ABOVE CO DITCH 45 NEAR FLAMING, MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	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)
FEB 24 24	1300 1310	1200 1210	7.3 7.3	.9 1.9	734 734	.2	2 2

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

05067333

- POOL A4 ABOVE CO. DITCH 45 NEAR FLAMING, MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	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)
FEB 24	1210	1360	7.0	1.5	733	1.4	11

0506	57395	- LOC	KHART SWA	MP IMP AG	ASSIZ NO2	WMA NR F	LAMING, M	N
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 09 09	1345 1350	1230 1310	7.3 7.3	.2 2.4	E10	736 736	.3	2 1

05074760 - UNNAMED DITCH ABOVE GOOD LAKE, NEAR ERIE, MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT 14 JAN 21 FEB 22	1050 1115 1540	(00095) 357 472 678	(00400) 7.6 6.8 7.2	(00010) 7.5 .2 .2	(00078) E.00 E1.7	(00023) 726 741	(00300) 11.4 .2 .2	(00301) 1 1

05074765 - GOOD LAKE IMPOUNDMENT, MID-POOL, NEAR ERIE, MN

DATE TIM	CON-	FIELD	TEMPER-	TUR-	SURE	OXYGEN,	(PER-
	DUCT-	(STAND-	ATURE	BID-	(MM	DIS-	CENT
	IE ANCE	ARD	WATER	ITY	OF	SOLVED	SATUR-
	(US/CM)	UNITS)	(DEG C)	(NTU)	HG)	(MG/L)	ATION)
	(00095)	(00400)	(00010)	(00076)	(00025)	(00300)	(00301)
JAN 20 142 20 142 FEB 22 142 22 142	.0 526	7.4 7.3 7.4 7.3	1.1 2.7 .3 1.9	E.00 	726 726 741 741	3.1 1.1 .2	23 9 2 1

05074770 - GOOD LAKE ABOVE OUTLET NEAR ERIE, MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	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)
FEB						(00500)	(,
22	1635	569	7.3	.2	741	.3	2

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

050	74780	- GOO	D LAKE OU	TLET NEAR	ERIE, MN			
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 20 FEB 22	1500 1645	525 562	7.1 7.5	.8 .5	E3.0	726 744	8.4 6.9	62 50

05075380	- MOOSE RIVER	IMPOUNDMENT,			INIC	,	
	PH		BARC)_		OYV	GEN.

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	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)
FEB 10	1510	376	7.5	1.3	722	.1	1

		SPE- CIFIC CON- DUCT-	PH WATER WHOLE FIELD (STAND-	TEMPER- ATURE	TUR- BID-	BARO- METRIC PRES- SURE (MM	OXYGEN, DIS-	OXYGEN, DIS- SOLVED (PER- CENT
DATE	TIME	ANCE (US/CM) (00095)	ARD UNITS) (00400)	WATER (DEG C) (00010)	ITY (NTU) (00076)	OF HG) (00025)	SOLVED (MG/L) (00300)	SATUR- ATION) (00301)
FEB							-	
10 10	1350 1400	498 581	7.3 7.1	.9 3.6	E.10 E1.4	722 722	.1 .1	1 1

05075680 - MOOSE RIVER IMPOUNDMENT, SOUTH POOL, NR GRYGLA, MN

050	05079698 - BU		NHAM CREE	K IMP., M	IID-POOL,	NEAR TILD	EN JCT.,	MIN
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 11 11 24 24	0950 0955 1520 1525	815 825 945 934	7.6 7.5 7.6 7.6	.6 1.7 3.3 1.3	E.00 E8.1 E1.9	741 741 738 738	3.6 3.3 .2 .5	26 25 2 4

		SPE-	SPE- CIFIC	PH WATER	PH WATER		BARO- METRIC		OXYGEN, DIS-	HARD-
		CIFIC	CON-	WHOLE	WHOLE		PRES-		SOLVED	NESS
		CON- DUCT-	DUCT- ANCE	FIELD (STAND-	LAB (STAND-	TEMPER- ATURE	SURE (MM	OXYGEN, DIS-	(PER- CENT	TOTAL (MG/L
DATE	TIME	ANCE	LAB	ARD	ARD	WATER	OF	SOLVED	SATUR-	AS
		(US/CM) (00095)	(US/CM) (90095)	UNITS) (00400)	UNITS) (00403)	(DEG C) (00010)	HG) (00025)	(MG/L) (00300)	ATION) (00301)	CACO3) (00900)
DEC										
22	1200	470	502	8.0	8.1	.3	750	12.7	90	220
JAN 19 FEB	1140	535	554	7.6	7.8	1.0	748	11.8	85	240
16	1130	554	569	7.8	8.1	2.3	750	11.7	86	240

05355250 - MISSISSIPPI RIVER AT RED WING, MN

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

05355250 - MISSISSIPPI RIVER AT RED WING, MN

DATE	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS	ANC UNFLTRD TIT 4.5 LAB (MG/L AS	BICAR- BONATE WATER DIS IT FIELD MG/L AS	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L	NITRO- GEN, NITRITE DIS- SOLVED (MG/L	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L	PHOS- PHORUS TOTAL (MG/L	PHOS- PHORUS DIS- SOLVED (MG/L
	CACO3 (39086)	CACO3) (90410)	HCO3 (00453)	AS N) (00608)	AS N) (00613)	AS N) (00623)	AS N) (00625)	AS N) (00631)	AS P) (00665)	AS P) (00666)
DEC 22 JAN	154	178	188	.066	.024	.56	.76	1.76	.099	.038
19 FEB	186	191	227	.257	.031	.76	.85	1.81	.119	.085
16	185	196	226	.230	.036	.63	.85	1.79	.174	.126

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	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)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
DEC 22 JAN	.062	7.2	.80	52	21	14	.4	2.3	17
19 FEB	.068	6.7	.30	58	23	20	.6	3.0	25
16	.106	5.6	.30	58	22	24	.7	3.1	33
DATE	SULFATE DIS- SOLVED (MG/L	FLUO- RIDE, DIS- SOLVED (MG/L	SILICA, DIS- SOLVED (MG/L AS	IRON, DIS- SOLVED (UG/L	MANGA- NESE, DIS- SOLVED (UG/L	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED		SED. SUSP. SIEVE DIAM. % FINER THAN
	AS SO4) (00945)	AS F) (00950)	SIO2) (00955)	AS FE) (01046)	AS MN) (01056)	(MG/L) (70300)	(MG/L) (70301)	(MG/L) (80154)	.062 MM (70331)
DEC 22	AS SO4)	AS F)	SIO2)	AS FE)	AS MN)	(MG/L)	(MG/L)	(MG/L)	.062 MM
	AS SO4) (00945)	AS F) (00950)	SIO2) (00955)	AS FE) (01046)	AS MN) (01056)	(MG/L) (70300)	(MG/L) (70301)	(MG/L) (80154)	.062 MM (70331)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	054	75200	- DES	MOINES R	IVER ABOV	e great e	BEND NR WI	NDOM, MN		
DATE	TIME	GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHORUS TOTAL (MG/L AS P)	DIS- SOLVED (MG/L AS P)	DIS- SOLVED (MG/L AS P)	DIS- SOLVED (MG/L AS CL)	DIS- SOLVED (MG/L AS SO4)
SEP 07	1500	<.020	<.010	1.3	<.050	.132	<.050	<.010	23	210
	054		- DES				ID NR WIND			
DATE	TIME	GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHORUS DIS- SOLVED (MG/L AS P)	ORTHO, DIS- SOLVED (MG/L AS P)	RIDE, DIS- SOLVED (MG/L AS CL)	DIS- SOLVED (MG/L AS SO4)
SEP	1000	< 020	< 010	1 1	< 050	099	< 050	< 010	16	170
00	1000	1.020	1.010	1.1	1.050	.055	<.050	<.010	10	170
	054	75350	- DES	MOINES R	IVER ABOV	E WINDOM,	MN (DM4)			
DATE		DIS- CHARGE, INST. CUBIC FEET PER SECOND		PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	BONATE WATER DIS IT FIELD MG/L AS HCO3
DATE APR 27	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	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)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
APR	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	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)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
APR 27 SEP	TIME 1250 0935 NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061) 1470 NITRO- GEN, NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095) 914	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400) 8.3 NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	TEMPER- ATURE WATER (DEG C) (00010) 10.7 NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	BARO- METRIC PRES- SURE (MM OF HG) (00025) 725 PHOS- PHORUS TOTAL (MG/L AS P)	OXYGEN, DIS- SOLVED (MG/L) (00300) 9.6 PHOS- PHORUS DIS- SOLVED (MG/L AS P)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301) 91 PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086) 224 CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453) 270 SULFATE DIS- SOLVED (MG/L AS SO4)
APR 27 SEP 09 DATE	TIME 1250 0935 NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061) 1470 NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095) 914 NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400) 8.3 NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	TEMPER- ATURE WATER (DEG C) (00010) 10.7 NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	BARO- METRIC PRES- SURE (MM OF HG) (00025) 725 PHOS- PHORUS TOTAL (MG/L AS P) (00665)	OXYGEN, DIS- SOLVED (MG/L) (00300) 9.6 PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301) 91 PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086) 224 CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453) 270 SULFATE DIS- SOLVED (MG/L AS SO4)
APR 27 SEP 09 DATE APR 27 SEP	TIME 1250 0935 NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061) 1470 NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .027	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095) 914 NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400) 8.3 NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) 1.3	TEMPER- ATURE WATER (DEG C) (00010) 10.7 NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.050	BARO- METRIC PRES- SURE (MM OF HG) (00025) 725 PHOS- PHORUS TOTAL (MG/L AS P) (00665) .156	OXYGEN, DIS- SOLVED (MG/L) (00300) 9.6 PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666) .016	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301) 91 PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .025	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086) 224 CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453) 270 SULFATE DIS- SOLVED (MG/L AS SO4)

05475600 - DES MOINES RIVER AT WINDOM, MN

DATE	TIME	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 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)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
SEP 09	1530	<.020	<.010	1.2	<.050	.194	E.035	<.010	20	150

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

471213096122301 - HOME LAKE, NORTHEAST END, NEAR FOSSUM, MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 09 09	1010 1015	536 580	7.4 7.2	1.3 3.8	E1.0 E8.9	736 736	.2 .1	2 1

473034096130501 - RAFF LAKE NEAR FERTILE, MN

			PH			BARO-		OXYGEN,
		SPE-	WATER			METRIC		DIS-
		CIFIC	WHOLE			PRES-		SOLVED
		CON-	FIELD	TEMPER-	TUR-	SURE	OXYGEN,	(PER-
		DUCT-	(STAND-	ATURE	BID-	(MM	DIS-	CENT
DATE	TIME	ANCE	ARD	WATER	ITY	OF	SOLVED	SATUR-
		(US/CM)	UNITS)	(DEG C)	(NTU)	HG)	(MG/L)	ATION)
		(00095)	(00400)	(00010)	(00076)	(00025)	(00300)	(00301)
FEB								
09	1525	537	7.8	1.4	E.10	736	.6	4
09	1535	604	7.6	4.4		736	.1	1

473533096142001 - KITTLESON LAKE NEAR FERTILE, MN

			PH				OXYGEN,
		SPE-	WATER				DIS-
		CIFIC	WHOLE				SOLVED
		CON-	FIELD	TEMPER-	TUR-	OXYGEN,	(PER-
		DUCT-	(STAND-	ATURE	BID-	DIS-	CENT
DATE	TIME	ANCE	ARD	WATER	ITY	SOLVED	SATUR-
		(US/CM)	UNITS)	(DEG C)	(NTU)	(MG/L)	ATION)
		(00095)	(00400)	(00010)	(00076)	(00300)	(00301)
FEB	1 6 4 0	500		_	- 10	0	-
09	1640	589	7.6	.7	E.10	.2	T

480005095265901 - CURTIS LAKE, CLEARWATER CO., RED LAKE IND. RES., MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
		(00095)	(00400)	(00010)	(00076)	(00025)	(00300)	(00301)
JAN								
20	1245	220	7.6	.8	E.45	726	.9	7
20	1246	220	7.4	3.1	E.00	726	.2	2
FEB								
23	1220	246	6.9	.2		740	.2	2
23	1230	250	6.8	2.1		740	.1	1
23	1240	247	6.8	1.6		740	.1	1

480028095264801 - MISKOGINEU LAKE, CLEARWATER CO., RED L. IND. RES., MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 20	1200	328	7.6	.1	E.00	726	2.5	18
20	1201	340	7.7	2.3		726	1.5	12
FEB								
23	1320	374	7.3	.7		740	.4	3
23	1330	378	7.2	1.0		740	.3	2
23	1340	379	7.2	1.3		740	.4	3

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

480052095275001 - CAHILL LAKE, CLEARWATER COUNTY, RED L. IND. RES., MN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JAN 20 FEB 23 23 23	1115 1030 1040 1050	310 442 447 442	7.6 7.1 7.1 7.1	1 .5 2.1 1.6	E7.6 	 739 739 739	1.3 .3 .2 .2	9 2 1 1

482430095532701 - WEBSTER LAKE AT AGASSIZ NWR NEAR GATZKE, MN

			PH			OXYGEN,
		SPE-	WATER			DIS-
		CIFIC	WHOLE			SOLVED
		CON-	FIELD	TEMPER-	OXYGEN,	(PER-
		DUCT-	(STAND-	ATURE	DIS-	CENT
DATE	TIME	ANCE	ARD	WATER	SOLVED	SATUR-
		(US/CM)	UNITS)	(DEG C)	(MG/L)	ATION)
		(00095)	(00400)	(00010)	(00300)	(00301)
FEB						
10	1145	1860	7.1	.5	.2	2

482226092283301 - SANDPOINT LK BL HARRISON NARROWS NR CRANE LK, MN

		DEPT AT		RANS- ARENCY	SPE-		SPE- LFIC	PI WA'	H TER	PH WAT					RO- TRIC			OXYC DI	€EN, LS-	COLI- FORM,
		SAMP		ECCHI	CIFI		CON-		OLE	WHC					ES-				LVED	FECAL,
		LOC-		DISC,	CON-		JCT-		ELD	LA		TEME			URE		GEN,		ER-	0.7
D.1.000	min	ATIC		ATER,	DUCT		NCE		AND-		ND-	ATU			MM		IS-		ENT	UM-MF
DATE	TIME	TOTA (FEE		VFLTRD FEET)	ANCE (US/C		LAB S/CM)		RD ITS)	AR	D TS)	WAT (DEC			OF G)		LVED G/L)		TUR- LON)	(COLS./ 100 ML)
		(819		19701)	(0009)))))		400)	(004		(000			025)		300)	(003		(31625)
		(01)	(05)	I)/01/	(000)	5) (5)	, , , , ,	(00	100)	(003	.057	(000	,10)	(00)	0257	(00	500)	(00.)01)	(51025)
JUL																				
28	1315	б.	90	6.9	64		69	7	.7	7.	0	23.	0	7	30	7	.3	89	9	<1
28	1335	80.	0		55		63	7	.4	6.	8	6.	0			6	.8	-		
		~ ~	NTEDO	NTTO	DO		NTTO		NTTON						DUO	-		~ ~	CHLO	
	ALF LIN		NITRO GEN,	- NIT GE		NITRO- EN,AM-	NIT GEN,		NITI GEI				PHOS	2_	PHOS PHORU		CHLO		PHY	
			AMMONIA			ONIA +	MONI		NO2+1		PHO	s-	PHORU		ORTH		PLA		PLA	
	TOT		DIS-	DI		RGANIC	ORGA		DI		PHORI		DIS		DIS-		TO		TO	
	FI	ELD	SOLVE) SOL	VED	DIS.	TOT	AL	SOL	VED	TOT	AL	SOLV	/ED	SOLVI	ED	CHRO	MO	CHROI	ON
DATE	MG/I	l as	(MG/L	(MG	/L	(MG/L	(MG	/L	(MG	/L	(MG	/L	(MG/	/L	(MG/1	<u>.</u>	FLUO	ROM	FLUO	ROM
	CAC		AS N)	AS		AS N)	AS 1		AS 1		AS 1		AS E		AS P		(UG		(UG.	
	(390	086)	(00608) (006	13) (00623)	(006	25)	(006)	31)	(006)	65)	(0066	56)	(006)	71)	(709	53)	(709)	54)
JUL																				
28	-	19	.022	0	03	.50		52	<.0	05	.0	13	.00	16	.00	11	1.	60	E.13	20
28		16	.003		01	.39		43	.1		.0		.01		.00					

482451092471001 - ASH RIVER AT ENTRANCE TO SULLIVAN BAY NR RAY, MN

DATE	TIME	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903	TRANS- PARENCY SECCHI DISC, WATER, UNFLTRI (FEET)) (49701)	CIFIC CON- DUCT- DUCT- ANCE (US/CM)			ARD) UNITS	WATER) (DEG C	DIS- SOLVED) (MG/L)	UM-MF (COLS. 100 ML	LINITY , WAT DIS TOT IT FIELD / MG/L AS) CACO3
JUL 29	1100	3.00	3.0	182	193	7.9	7.4	24.5	6.5	К8	82
	DATE	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)	PHORUS ORTHO, DIS- SOLVED	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JU	L 29	.010	.001	.74	.89	<.005	.050	.028	.015	5.00	E.260

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

482616092372201 - NAMAKAN LAKE NEAR RAY, MN

DATE	TIME	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	(FEET)	(US/CM)	(US/CM)	UNITS)	UNITS)	TEMPER- ATURE WATER (DEG C) (00010)	(MG/L)	100 ML)	CACO3
JUL 28 28	1445 1500	8.00 83.5	8.0	44 45	47 51	8.0 7.8	7.3 6.8	23.4 9.6	6.6 6.3	<1	13 15
DATE	AMI I SC E (1 AS	MONIA NI DIS- I DLVED SC MG/L (1 S N) AS	FRITE MOD DIS- OR DLVED D MG/L (1 S N) A	NIA + MO GANIC OR IS. T MG/L (1 S N) A	NIA + NO GANIC OTAL S MG/L (S N) A	2+NO3 PI DIS- PHO OLVED TO MG/L (I S N) AS	HOS- PH ORUS OTAL S MG/L (S P) A	PH HOS- PHO ORUS OR DIS- DI OLVED SOL MG/L (MG S P) AS 0666) (00	THO, PL S- T NED CHR //L FLU P) (U	ON 7 OMO CHF OROM FLU G/L) (U	IYTO- LANK- CON ROMO JOROM JG/L)
JUL 28 28			.002 .001	.37 .29						.70 <. 	100
		4827090	092264601	- NAMAKA	N LAKE AT	MOUTH OF	NAMAKAN	RIVER, ONTA	RTO		
DATE	TIME	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET)	TRANS- PARENCY SECCHI DISC, WATER, UNFLIRD (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	-	OXYGEN, DIS- SOLVED (MG/L)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	MG/L AS CACO3
JUL 28	1115	9.00	9.0	40	45	7.9	7.6	23.6	7.6	К3	12
DATE	GEI AMMOI DIS SOLN (MG, AS I	RO- NITH N, GEI NIA NITR S- DIS VED SOLV /L (MG, N) AS I 08) (006	N, GEN, ITE MONI S- ORGAN VED DIS /L (MG N) AS D	AM- GEN, A + MONI NIC ORGAN . TOT. /L (MG N) AS 1	AM- GE A + NO2+ NIC DI AL SOL /L (MG N) AS	NO3 PHON S- PHORI VED TOTA /L (MG, N) AS I	S- PHOR US DI AL SOL /L (MG P) AS	PHOS S- PHORU US ORTH S- DIS- VED SOLVE /L (MG/L P) AS P) 66) (0067	D, PLAN TON D CHROM FLUOR (UG/	-A CHLOF O- PHYT K- PLAN O CHROM OM FLUOF L) (UG/ 3) (7095	20- IK- I ROM (L)
JUL 28	.01	17 .00	02 .	32 .	39 .0	21 .03	13 .0	05 .00	1 1.1	0 E.10	00
		4827210	093003901	- KABETO	GAMA LAKE	NR RAY, I	MIN				
DATE T	2 S I Z IME S	DEPTH AT I SAMPLE S LOC- ATION, N FOTAL U (FEET)	TRANS- PARENCY SECCHI DISC, WATER,	SPE- CIFIC CON- DUCT-	SPE- CIFIC CON- DUCT- ANCE	PH WATER WHOLE FIELD (STAND-	PH WATER WHOLE LAB (STAND-	TEMPER- O ATURE WATER (DEG C) (00010) (XYGEN, DIS-	FORM, I FECAL, V 0.7 J UM-MF	NAT DIS POT IT FIELD
JUL											

DATE	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)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUL 29	.003	.002	.38	.52	<.005	.033	.008	.003	2.70	.200

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

483304093062701 - RAINY LAKE AT BLACK BAY NR INT FALLS, MN

DATE	TIME	DEPTH AT SAMPL LOC- ATION TOTAL (FEET (8190	PAREN E SECCH DISC , WATER UNFLI) (FEET	ICY SPE- II CIFI 2, CON- 2, DUCT RD ANCE () (US/C	C CON DUCT - ANCE LAE M) (US/C	C WATE I- WHOI I- FIEI C (STAN B ARI M) UNIT	JE WHOL JD LAB JD- (STAN) ARD (S) UNIT	E TEMPE D- ATUR WATE S) (DEG	E (MM R OF C) HG)	IC - E OXYGEN DIS- SOLVE (MG/L	CEN D SATU) ATIO	- FORM, ED FECAL, - 0.7 T UM-MF R- (COLS./ N) 100 ML)
JUL 27	1015	3.7	0 3.7	92	95	7.6	7.1	21.6	735	6.7	79	К3
DATH	1 1 2	ALKA- LINITY WAT DIS IOT IT FIELD MG/L AS CACO3 (39086)	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)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUL 27		37	.003	.001	.31	.47	<.005	.025	.008	.003	1.80	<.100
			4836220	92560701	- RAINY I	k at brui	E NARROWS	NR INTER	NTNL FALL	S, MM		
DATH	E	TIME	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	TRANS- PARENCY SECCHI DISC, WATER, UNFLIRD (FEET) (49701)	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 WATER (DEG C) (00010)	(MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JUL 27		1130	8.40	8.4	46	50	7.3	6.8	18.5	7.9	Кl	14
	DATI	G AMM D SO E (M AS	EN, G ONIA NII IS- D LVED SC G/L (M N) AS	EN, GEN RITE MON DIS- ORG DLVED DI G/L (M N) AS	I,AM- GEN IA + MON ANIC ORG S. TC G/L (M N) AS	I,AM- G IIA + NO2 GANIC I DTAL SC IG/L (M S N) AS	DIS- PHO DLVED TO NG/L (M S N) AS	OS- PHO RUS D TAL SO G/L (M P) AS	OS- PHO	RUS PHY IHO, PLA S- TO VED CHRO /L FLUO P) (UG	NK- PL N T MO CHR ROM FLU S/L) (U	OR-B YTO- ANK- ON OMO OROM G/L) 954)
JUI	_ 27		005 .	001	.28	.31 .	017 .	010 .	004 .	001 1.	10 <.	100