

WATER QUALITY DATA

1

MISCELLANEOUS SITES--Continued

TROPHIC STATE INDICATOR PROJECT

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Sample type	Medium code	DEPTH	DEPTH	BARO- METRIC	DIS- SOLVED	OXYGEN,	PH	SPE- CIFIC	ANC
				BOTTOM	TO BOT.			TRANS- FROM PAR-	PRES- SURE		OXYGEN, (PER- CENT)
		SAMPLE	SURFACE	ENCY	SURE	OXYGEN, (MM DIS- SOLVED)	SATUR- ATION (%)	(STAND- ARD UNITS)	DUCT- ANCE (US/CM)	WATER (DEG C)	WATER (MG/L AS)
		LOC- ATION, (FEET)	AT SAM- PLOC. (82903)	(SECCHI DISK) (M)	OF (HG)	(00025) (00300)	(00301)	(00400)	(00095)	(00010)	CACO3 (00419)

482731092574701 KABETO GAMMA LAKE NEAR GRAVE ISLAND NEAR RAY, MN (LAT 48 27 31N LONG 092 57 47W)

OCT 2001													
02...	1440	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	--
16...	1035	ENVIRONMENTAL	--	14.7	3.25	--	10.2	89	7.6	65	9.6	--	--
17...	1000	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	--
MAY 2002													
03...	1055	ENVIRONMENTAL	--	--	2.30	--	4.9	50	8.0	91	15.1	--	--
14...	1545	ENVIRONMENTAL	--	--	2.70	--	12.8	105	7.5	109	6.8	49	
30...	1055	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	--
JUN													
12...	1340	ENVIRONMENTAL	--	--	2.50	--	--	--	7.4	96	14.7	--	--
26...	1045	ENVIRONMENTAL	--	--	2.50	--	8.3	89	7.7	72	18.3	--	--
JUL													
09...	1520	ENVIRONMENTAL	--	--	2.00	--	9.9	116	8.5	94	23.4	--	--
23...	1420	ENVIRONMENTAL	--	--	2.00	--	8.7	101	7.9	95	22.6	--	--
AUG													
06...	1500	ENVIRONMENTAL	--	--	1.50	--	9.4	106	8.2	92	21.5	--	--
21...	1530	ENVIRONMENTAL	16.0	--	1.70	730	10.0	109	8.1	86	19.5	--	--
21...	1800	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	--
SEP													
05...	1019	ENVIRONMENTAL	--	15.0	1.50	--	7.9	87	7.8	88	20.1	--	--
17...	1100	ENVIRONMENTAL	--	14.6	2.25	--	8.4	92	7.6	87	19.7	--	--
30...	1520	ENVIRONMENTAL	--	14.8	2.00	--	9.1	91	7.6	76	1500	--	--

483012093035001 KABETO GAMMA LAKE AT CEMETARY ISLAND NEAR RAY, MN (LAT 48 30 12N LONG 093 03 50W)

OCT 2001													
02...	1540	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	--
17...	0915	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	--
MAY 2002													
14...	1630	ENVIRONMENTAL	--	--	1.80	--	13.3	112	8.0	102	8.0	45	
30...	1010	ENVIRONMENTAL	--	--	2.20	--	5.1	51	7.5	99	14.6	--	
JUN													
12...	1415	ENVIRONMENTAL	--	--	2.50	--	--	--	7.4	100	15.8	--	
26...	1140	ENVIRONMENTAL	--	--	2.75	--	9.0	99	7.5	76	19.9	--	
JUL													
09...	1550	ENVIRONMENTAL	--	--	2.00	--	10.0	117	8.5	94	22.8	--	
23...	1515	ENVIRONMENTAL	--	--	1.50	--	7.4	84	7.7	94	22.1	--	
AUG													
06...	1540	ENVIRONMENTAL	--	--	1.25	--	11.0	124	8.9	93	21.3	--	
21...	1630	ENVIRONMENTAL	7.70	--	1.80	731	11.1	120	8.4	86	19.4	46	
SEP													
05...	0945	ENVIRONMENTAL	--	7.20	1.75	--	7.7	86	8.0	88	20.3	--	
17...	1015	ENVIRONMENTAL	--	7.60	2.50	--	7.4	81	7.5	87	19.6	--	
30...	1440	ENVIRONMENTAL	--	7.20	2.20	--	8.9	86	7.4	75	14.0	--	

483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)

OCT 2001 01... 1010 ENVIRONMENTAL -- -- -- -- -- -- -- -- -- -- --
16... 1025 ENVIRONMENTAL -- -- -- -- -- -- -- -- -- -- --

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

TROPHIC STATE INDICATOR PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

	ANC BICAR- BONATE IT FIELD Date	ANC CAR- BONATE IT FIELD MG/L AS HCO3 (00450)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) (00625)	NITRO- NO2+NO3 DIS- SOLVED (MG/L) (00631)	NITRO- PHORUS DIS- SOLVED (MG/L) (00613)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L) (00666)	CHLOR-A PHYTO- PLANK- TON TOTAL (MG/L) (00671)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (00665)	Data base number	

482731092574701 KABETOGAMA LAKE NEAR GRAVE ISLAND NEAR RAY, MN (LAT 48 27 31N LONG 092 57 47W)

OCT 2001													
02...	--	--	--	--	--	--	--	--	.039	<.1	<.1	01	
16...	--	--	--	--	--	--	--	--	.038	--	--	01	
17...	--	--	--	--	--	--	--	--	.044	1.9	<.1	01	
MAY 2002													
03...	--	--	--	--	--	--	--	--	--	--	--	01	
14...	60	0	<.015	.43	.49	.037	<.002	.007	<.007	.025	2.2	<.1	01
30...	--	--	--	--	--	--	--	--	--	1.9	<.1	01	
JUN													
12...	--	--	--	--	--	--	--	--	.023	--	--	01	
26...	--	--	--	--	--	--	--	--	.015	1.5	.1	01	
JUL													
09...	--	--	--	--	--	--	--	--	.022	--	--	01	
23...	--	--	--	--	--	--	--	--	.028	--	--	01	
AUG													
06...	--	--	--	--	--	--	--	--	.060	26.5	<.1	01	
21...	--	--	.022	.46	.76	<.013	<.002	.020	.012	.064	7.6	<.1	01
21...	--	--	--	--	--	--	--	--	--	--	--	77	
SEP													
05...	--	--	--	--	--	--	--	--	.082	--	--	01	
17...	--	--	--	--	--	--	--	--	.051	--	--	01	
30...	--	--	--	--	--	--	--	--	.080	--	--	01	

483012093035001 KABETOGAMA LAKE AT CEMETARY ISLAND NEAR RAY, MN (LAT 48 30 12N LONG 093 03 50W)

OCT 2001													
02...	--	--	--	--	--	--	--	--	.063	7.0	<.1	01	
17...	--	--	--	--	--	--	--	--	.049	2.1	<.1	01	
MAY 2002													
14...	55	0	<.015	.38	.52	<.013	<.002	.006	<.007	.017	6.6	<.1	01
30...	--	--	--	--	--	--	--	--	--	.7	<.1	01	
JUN													
12...	--	--	--	--	--	--	--	--	.081	--	--	01	
26...	--	--	--	--	--	--	--	--	.019	2.5	.3	01	
JUL													
09...	--	--	--	--	--	--	--	--	.026	--	--	01	
23...	--	--	--	--	--	--	--	--	.071	--	--	01	
AUG													
06...	--	--	--	--	--	--	--	--	.077	23.7	<.1	01	
21...	57	0	.015	.46	.69	<.013	<.002	.024	.014	.087	4.9	<.1	01
SEP													
05...	--	--	--	--	--	--	--	--	.062	--	--	01	
17...	--	--	--	--	--	--	--	--	.058	--	--	01	
30...	--	--	--	--	--	--	--	--	.041	--	--	01	

483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)

OCT 2001												
01...	--	--	--	--	--	--	--	--	.042	4.8	.2	01
16...	--	--	--	--	--	--	--	--	.053	5.5	<.1	01

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

TROPHIC STATE INDICATOR PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Sample type	Medium code	DEPTH BOTTOM AT LOC- ATION, (FEET) (81903)	DEPTH TO BOT. FROM SAMPLE AT SAMP (82903)	BARO- METRIC ENCY (SECHI DISK) (00078)	SURE (MM HG) (00025)	OXYGEN, (PER- SOLVED OF (MG/L) (00300)	PH DIS- SOLVED SATUR- (00301)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- (US/CM) (00095)	ANC WATER IT FIELD MG/L AS CACO3 (00010)	UNFLTRD (00419)
483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)													
MAY 2002													
13...	1330	ENVIRONMENTAL	--	--	.90	--	11.9	109	7.8	103	11.3	39	
28...	1010	ENVIRONMENTAL	--	--	1.20	--	6.6	61	7.7	108	14.5	--	
JUN													
11...	1115	ENVIRONMENTAL	--	--	1.00	--	--	--	7.5	66	13.9	--	
24...	1145	ENVIRONMENTAL	--	--	1.00	--	8.3	91	8.2	81	20.5	--	
JUL													
08...	1108	ENVIRONMENTAL	--	--	1.50	--	6.9	80	7.5	107	22.5	--	
22...	1015	ENVIRONMENTAL	--	--	1.00	--	10.3	123	7.5	103	24.3	--	
AUG													
05...	0935	ENVIRONMENTAL	--	--	.75	--	8.9	100	8.2	93	20.7	--	
20...	1300	ENVIRONMENTAL	3.40	--	.70	--	8.6	93	8.1	96	17.6	46	
SEP													
04...	1050	ENVIRONMENTAL	--	3.40	.50	--	8.4	92	7.9	79	19.6	--	
16...	1045	ENVIRONMENTAL	--	3.10	1.00	--	8.9	94	7.9	62	17.5	--	
483341093111501 RAINY LK AT BLACK BAY (WEST) NR INTERNATIONAL FLLS (LAT 48 32 30N LONG 093 11 15W)													
OCT 2001													
01...	0940	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	
16...	1000	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	
MAY 2002													
13...	1120	ENVIRONMENTAL	--	--	.70	--	10.7	98	7.3	129	11.7	51	
28...	0855	ENVIRONMENTAL	--	--	2.20	--	5.5	56	7.6	113	15.6	--	
JUN													
11...	0950	ENVIRONMENTAL	--	--	.50	--	--	--	7.9	107	15.8	--	
24...	0915	ENVIRONMENTAL	--	--	.75	--	10.5	119	7.8	109	20.1	--	
JUL													
08...	1003	ENVIRONMENTAL	--	--	.50	--	6.5	7	7.4	96	21.6	--	
22...	0905	ENVIRONMENTAL	--	--	.75	--	9.3	111	7.2	102	23.6	--	
AUG													
05...	1007	ENVIRONMENTAL	--	--	.75	--	9.5	106	8.4	93	20.7	--	
20...	1330	ENVIRONMENTAL	2.20	--	.60	734	8.7	95	8.2	96	17.9	46	
SEP													
04...	0950	ENVIRONMENTAL	--	2.30	.75	--	8.1	87	7.8	88	19.3	--	
16...	0950	ENVIRONMENTAL	--	2.20	.50	--	9.2	96	8.1	84	17.4	--	
483304093062701 RAINY LAKE AT BLACK BAY NR INT FALLS MN (LAT 48 33 04N LONG 093 06 27W)													
OCT 2001													
01...	0905	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	
16...	0917	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--	--	
MAY 2002													
13...	1145	ENVIRONMENTAL	--	--	.55	--	11.6	103	7.5	104	10.3	42	
28...	0925	ENVIRONMENTAL	--	--	1.30	--	6.2	60	7.7	101	13.8	--	
JUN													
11...	1015	ENVIRONMENTAL	--	--	1.00	--	--	--	7.5	98	15.4	--	
24...	1000	ENVIRONMENTAL	--	--	1.50	--	7.7	84	8.2	42	19.7	--	
JUL													
08...	1030	ENVIRONMENTAL	--	--	1.75	--	8.9	101	7.9	92	21.8	--	
22...	0930	ENVIRONMENTAL	--	--	.50	--	11.2	132	7.7	100	24.0	--	
AUG													
05...	1022	ENVIRONMENTAL	--	--	1.00	--	9.2	103	8.2	93	20.9	--	
20...	1415	ENVIRONMENTAL	2.00	--	.60	731	8.9	99	8.2	95	18.7	45	
SEP													
04...	1020	ENVIRONMENTAL	--	2.00	.75	--	7.8	85	7.9	89	19.4	--	
16...	1010	ENVIRONMENTAL	--	1.90	1.00	--	8.0	83	7.9	84	17.2	--	

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

TROPHIC STATE INDICATOR PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ANC BICAR- BONATE IT FIELD MG/L AS HCO3 (00450)	ANC CAR- BONATE IT FIELD MG/L AS CO3 (00447)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHATE, DIS- SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO- PLANK- TON (MG/L AS P) (00665)	CHLOR-B PHYTO- PLANK- TON (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON (UG/L) (70954)	Data base number
------	--	---	--	---	--	--	--	--	---	---	---	---	------------------------

483511093092801 RAINY LAKE AT BLACK BAY NARROWS NR INT FALLS MN (LAT 48 35 38N LONG 093 09 13W)

MAY 2002													
13...	48	0	<.015	.45	.69	<.013	E.002	.010	<.007	.035	8.0	<.1	01
28...	--	--	--	--	--	--	--	--	--	.034	2.0	<.1	01
JUN													
11...	--	--	--	--	--	--	--	--	--	.026	--	--	01
24...	--	--	--	--	--	--	--	--	--	.035	3.3	.2	01
JUL													
08...	--	--	--	--	--	--	--	--	--	.043	--	--	01
22...	--	--	--	--	--	--	--	--	--	.064	--	--	01
AUG													
05...	--	--	--	--	--	--	--	--	--	.052	5.6	1.1	01
20...	56	0	.023	.62	.89	.060	.004	.032	.016	.078	4.3	.5	01
SEP													
04...	--	--	--	--	--	--	--	--	--	.051	--	--	01
16...	--	--	--	--	--	--	--	--	--	.032	--	--	01

483341093111501 RAINY LK AT BLACK BAY (WEST) NR INTERNATIONAL FLLS (LAT 48 32 30N LONG 093 11 15W)

OCT 2001													
01...	--	--	--	--	--	--	--	--	--	.043	5.9	.2	01
16...	--	--	--	--	--	--	--	--	--	.044	5.6	E.1	01
MAY 2002													
13...	62	0	<.015	.65	.87	<.013	.003	.015	<.007	.044	3.0	<.1	01
28...	--	--	--	--	--	--	--	--	--	--	1.2	<.1	01
JUN													
11...	--	--	--	--	--	--	--	--	--	.034	--	--	01
24...	--	--	--	--	--	--	--	--	--	.035	1.6	.1	01
JUL													
08...	--	--	--	--	--	--	--	--	--	.068	--	--	01
22...	--	--	--	--	--	--	--	--	--	.086	--	--	01
AUG													
05...	--	--	--	--	--	--	--	--	--	.058	9.7	1.4	01
20...	57	0	E.013	.56	.72	.064	.003	.027	.013	.064	--	--	01
SEP													
04...	--	--	--	--	--	--	--	--	--	.053	--	--	01
16...	--	--	--	--	--	--	--	--	--	.068	--	--	01

483304093062701 RAINY LAKE AT BLACK BAY NR INT FALLS MN (LAT 48 33 04N LONG 093 06 27W)

OCT 2001													
01...	--	--	--	--	--	--	--	--	--	.049	6.5	.2	01
16...	--	--	--	--	--	--	--	--	--	.048	5.4	E.1	01
MAY 2002													
13...	51	0	<.015	.48	.72	<.013	E.002	.011	<.007	.056	7.4	<.1	01
28...	--	--	--	--	--	--	--	--	--	.035	1.5	<.1	01
JUN													
11...	--	--	--	--	--	--	--	--	--	.029	--	--	01
24...	--	--	--	--	--	--	--	--	--	.030	1.8	.2	01
JUL													
08...	--	--	--	--	--	--	--	--	--	.031	--	--	01
22...	--	--	--	--	--	--	--	--	--	.101	--	--	01
AUG													
05...	--	--	--	--	--	--	--	--	--	.067	6.9	<.1	01
20...	55	0	E.009	.54	.78	.057	.003	.021	.007	.060	7.8	<.1	01
SEP													
04...	--	--	--	--	--	--	--	--	--	.104	--	--	01
16...	--	--	--	--	--	--	--	--	--	.075	--	--	01

WATER QUALITY DATA

5

MISCELLANEOUS SITES--Continued

TROPHIC STATE INDICATOR PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Sample type	Medium code	DEPTH	DEPTH	BARO-		OXYGEN,	PH	ANC			
				BOTTOM	TO BOT.	TRANS-	METRIC	SOLVED	WATER	SPE-	WATER	UNFLTRD	
		SAMPLE	LOC- ATION, (FEET)	AT SAMP-	FROM SURFACE	PAR- ENCY	PRES-	SURE	OXYGEN, (MM DIS- (MG/L)	DIS- (PER- CENT)	FIELD	CIFIC	
			(81903)	(82903)	(00078)	(00025)	(00300)	(00301)	(00400)	(00095)	(00010)	(00419)	
482607092511701 KABETO GAMMA LK AT MOUTH OF MEADWOOD BAY NR RAY MN (LAT 48 26 07N LONG 092 51 17W)													
OCT 2001													
02...	1345	ENVIRONMENTAL		--	--	--	--	--	--	--	--	--	--
17...	1110	ENVIRONMENTAL		--	--	--	--	--	--	--	--	--	--
MAY 2002													
03...	1145	ENVIRONMENTAL		--	--	2.10	--	4.2	39	7.6	67	13.2	--
14...	1500	ENVIRONMENTAL		--	--	1.90	--	12.2	104	7.3	99	8.3	45
30...	1145	ENVIRONMENTAL		--	--	--	--	--	--	--	--	--	--
JUN													
12...	1310	ENVIRONMENTAL		--	--	1.50	--	--	7.2	0	15.4	--	--
26...	0925	ENVIRONMENTAL		--	--	2.50	--	8.7	95	8.1	75	19.8	--
JUL													
09...	1450	ENVIRONMENTAL		--	--	1.50	--	9.2	109	8.1	118	23.6	--
23...	1330	ENVIRONMENTAL		--	--	2.50	--	9.6	113	8.2	99	24.4	--
AUG													
06...	1415	ENVIRONMENTAL		--	--	1.75	--	8.3	94	7.8	90	22.3	--
21...	1445	ENVIRONMENTAL	11.3	--	1.40	731	11.7	129	8.5	80	20.4	41	
SEP													
05...	1100	ENVIRONMENTAL		--	12.2	1.50	--	8.3	92	7.9	79	20.0	--
17...	1145	ENVIRONMENTAL		--	13.0	1.50	--	9.8	109	8.3	78	20.5	--
30...	1600	ENVIRONMENTAL		--	12.2	2.00	--	8.9	89	7.6	59	15.5	--
482616092372201 NAMAKAN LAKE NEAR RAY, MN (LAT 48 26 16N LONG 092 37 22W)													
MAY 2002													
14...	0830	BLANK		--	--	--	--	--	--	--	--	--	--
14...	1345	ENVIRONMENTAL		--	--	2.10	--	12.7	100	7.2	55	5.2	16
AUG													
21...	1330	ENVIRONMENTAL	29.3	--	2.70	731	10.1	108	7.4	37	18.9	16	
482226092283301 SANDPOINT LK BL HARRISON NARROWS NR CRANE LK, MN (LAT 48 22 26N LONG 092 28 33W)													
MAY 2002													
14...	1130	ENVIRONMENTAL		--	--	1.60	--	11.8	92	7.4	82	4.9	23
AUG													
21...	1130	ENVIRONMENTAL	43.0	--	2.30	730	9.9	108	7.7	55	19.1	22	
483622092560701 RAINY LK AT BRULE NARROWS NR INTERNL FALLS, MN (LAT 48 36 22N LONG 092 56 07W)													
MAY 2002													
13...	1420	REPLICATE		--	--	2.30	--	12.9	104	7.6	64	6.2	15
13...	1425	ENVIRONMENTAL		--	--	2.30	--	12.9	104	7.6	64	6.2	16
AUG													
20...	1030	ENVIRONMENTAL	8.20	--	2.70	--	8.8	94	8.2	42	17.0	15	

WATER QUALITY DATA

MISCELLANEOUS SITES--Continued

TROPHIC STATE INDICATOR PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

	ANC BICAR- BONATE IT FIELD MG/L AS HCO3 (00450)	ANC CAR- BONATE IT FIELD MG/L AS CO3 (00447)	NITRO- GEN, AM- MONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS. (MG/L AS N) (00625)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, PHOS- DIS- SOLVED (MG/L AS N) (00613)	ORTHO- PHOS- DIS- SOLVED (MG/L AS P) (00666)	CHLOR-A PHYTO- PLANK- TON TOTAL (MG/L AS P) (00671)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (00665)	Data base number	

482607092511701 KABETOGAMA LK AT MOUTH OF MEADWOOD BAY NR RAY MN (LAT 48 26 07N LONG 092 51 17W)

OCT 2001													
02...	--	--	--	--	--	--	--	--	.037	2.8	<.1	01	
17...	--	--	--	--	--	--	--	--	.046	2.8	<.1	01	
MAY 2002													
03...	--	--	--	--	--	--	--	--	--	--	--	01	
14...	55	0	<.015	.37	.48	.035	E.002	.007	<.007	.025	2.7	<.1	01
30...	--	--	--	--	--	--	--	--	--	2.5	<.1	01	
JUN													
12...	--	--	--	--	--	--	--	--	.017	--	--	01	
26...	--	--	--	--	--	--	--	--	.018	1.5	.1	01	
JUL													
09...	--	--	--	--	--	--	--	--	.028	--	--	01	
23...	--	--	--	--	--	--	--	--	.025	--	--	01	
AUG													
06...	--	--	--	--	--	--	--	--	.033	4.9	<.1	01	
21...	50	0	<.015	.44	.78	<.013	<.002	.018	.007	.053	22.1	<.1	01
SEP													
05...	--	--	--	--	--	--	--	--	.043	--	--	01	
17...	--	--	--	--	--	--	--	--	.063	--	--	01	
30...	--	--	--	--	--	--	--	--	.049	--	--	01	

482616092372201 NAMAKAN LAKE NEAR RAY, MN (LAT 48 26 16N LONG 092 37 22W)

MAY 2002												
14...	--	--	<.015	<.10	<.10	<.013	<.002	<.004	<.007	<.004	--	--
14...	19	0	E.014	.33	.38	.092	E.002	.005	<.007	.014	2.1	<.1
AUG												
21...	20	0	E.009	.33	.53	.055	E.002	.005	<.007	.028	1.9	<.1

482226092283301 SANDPOINT LK BL HARRISON NARROWS NR CRANE LK, MN (LAT 48 22 26N LONG 092 28 33W)

MAY 2002												
14...	28	0	<.015	.47	.49	.143	.004	.012	<.007	.020	1.0	<.1
AUG												
21...	27	0	E.011	.44	.50	.052	.003	.009	<.007	.012	3.0	<.1

483622092560701 RAINY LK AT BRULE NARROWS NR INTERNTNL FALLS, MN (LAT 48 36 22N LONG 092 56 07W)

MAY 2002												
13...	18	0	<.015	.29	.39	.087	<.002	.005	<.007	.012	--	--
13...	19	0	<.015	.32	.37	.087	E.002	.005	<.007	.011	1.1	<.01
AUG												
20...	19	0	<.015	.34	.37	.094	E.002	.006	<.007	.038	1.2	<.1