

## Quality of Ground Water

QUALITY OF GROUND WATER										
MULTIPLE STATION ANALYSIS										
WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000										
STATION NUMBER	DATE	TIME	SAMPLE TYPE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD (00400) UNITS)	PH WATER WHOLE LAB (STAND-ARD (00403) UNITS)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
ANOKA COUNTY										
451104093212801	07-19-00	0900	ENVIRONMENTAL	842	883	6.8	7.2	11.4	746	0.6
451315093202501	07-19-00	1100	ENVIRONMENTAL	550	579	7.2	7.6	14.5	745	8.8
BELTRAMI COUNTY										
472533094284500	07-20-00	1100	ENVIRONMENTAL	202	220	7.8	7.9	9.3	731	.1
	07-20-00	1108	BLANK	--	--	--	--	--	--	--
CASS COUNTY										
471546094331700	07-20-00	0900	ENVIRONMENTAL	254	279	6.7	7.1	7.1	731	.5
COTTONWOOD COUNTY										
435054095045801	06-28-00	1100	ENVIRONMENTAL	530	547	7.2	7.4	13.5	729	.3
435203095070101	06-28-00	1600	ENVIRONMENTAL	1170	1170	6.9	7.1	14.9	729	4.9
435205095065302	06-29-00	0900	ENVIRONMENTAL	1220	1230	6.9	7.0	12.4	729	4.6
435217095063401	07-26-00	1130	ENVIRONMENTAL	707	691	7.6	7.4	10.8	725	<.2
435218095062801	05-09-00	1200	ENVIRONMENTAL	476	--	7.5	--	11.3	725	8.2
	05-09-00	1205	BLANK	--	--	--	--	--	--	--
	07-26-00	1630	ENVIRONMENTAL	505	--	7.4	--	15.7	726	7.9
435311095061801	06-27-00	1400	ENVIRONMENTAL	5250	5150	7.2	7.3	13.6	731	.2
435315095091601	07-26-00	1430	ENVIRONMENTAL	790	779	7.1	7.2	12.4	725	.2
435320095094901	05-08-00	1430	ENVIRONMENTAL	692	--	7.1	--	10.6	720	.3
	06-29-00	1020	ENVIRONMENTAL	708	--	7.2	--	10.0	729	.2
435417095101001	06-28-00	1330	ENVIRONMENTAL	818	826	7.3	7.5	14.8	728	1.1
435514095112201	07-27-00	1200	ENVIRONMENTAL	755	740	7.4	7.2	11.4	728	<.2
435533095111601	06-27-00	1520	ENVIRONMENTAL	913	936	6.9	7.1	11.4	731	3.1
435605095121201	07-26-00	0900	ENVIRONMENTAL	870	852	7.3	7.3	12.9	725	3.5
435647095122201	07-27-00	0930	ENVIRONMENTAL	681	684	7.4	7.2	12.2	728	E7.0
435748095122901	05-09-00	0900	ENVIRONMENTAL	770	--	7.4	--	9.6	725	2.6
	06-29-00	1130	ENVIRONMENTAL	769	--	7.1	--	9.9	727	1.5
	06-29-00	1135	BLANK	--	--	--	--	--	--	--
435842095132001	06-28-00	0900	ENVIRONMENTAL	844	835	7.1	7.2	10.4	730	.2
440426095112401	07-25-00	1330	ENVIRONMENTAL	886	871	7.2	7.3	9.0	728	<.1
GOODHUE COUNTY										
444009092424501	09-08-00	1145	ENVIRONMENTAL	1530	--	7.3	--	15.2	745	.2
HENNEPIN COUNTY										
450326093175201	07-19-00	1330	ENVIRONMENTAL	1530	1600	6.9	7.3	12.4	745	.4
	07-19-00	1331	REPLICATE	--	1600	--	7.3	--	--	--
450430093220801	07-18-00	0900	ENVIRONMENTAL	992	1030	7.0	7.5	11.8	746	3.1
450448093205301	07-18-00	1340	ENVIRONMENTAL	1090	1130	6.8	7.2	12.1	747	.2
	07-18-00	1605	BLANK	--	--	--	--	--	--	--
	07-18-00	1606	BLANK	--	4	--	6.9	--	--	--
JACKSON COUNTY										
435008095060301	05-09-00	1030	ENVIRONMENTAL	589	--	7.4	--	9.2	725	.6
	06-27-00	1100	ENVIRONMENTAL	611	629	7.2	7.4	12.4	733	1.4
435014095060201	06-27-00	0830	ENVIRONMENTAL	610	630	7.2	7.4	11.4	733	.4

## QUALITY OF GROUND WATER--Continued

## MULTIPLE STATION ANALYSIS--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	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)	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)
ANOKA COUNTY										
451104093212801	07-19-00	6	440	254	310	<0.020	0.036	0.27	--	5.36
451315093202501	07-19-00	89	250	210	256	<.020	<.010	E.10	--	3.57
BELTRAMI COUNTY										
472533094284500	07-20-00	1	110	99	121	<.020	<.010	E.10	--	<.050
	07-20-00	--	--	--	--	--	--	--	--	--
CASS COUNTY										
471546094331700	07-20-00	4	130	121	148	<.020	<.010	E.10	--	<.050
COTTONWOOD COUNTY										
435054095045801	06-28-00	3	270	129	157	.161	<.010	--	--	<.050
435203095070101	06-28-00	51	540	479	584	<.020	<.010	--	--	21.6
435205095065302	06-29-00	45	560	378	461	<.020	<.010	--	--	4.12
435217095063401	07-26-00	--	330	259	316	1.06	<.010	--	--	<.050
435218095062801	05-09-00	79	--	254	310	<.020	<.010	--	--	.673
	05-09-00	--	--	--	--	<.020	<.010	--	--	<.050
	07-26-00	84	--	257	314	<.020	<.010	--	--	.720
435311095061801	06-27-00	2	720	1240	1520	162	<.010	--	--	<.050
435315095091601	07-26-00	2	410	385	470	<.020	<.010	--	--	.651
435320095094901	05-08-00	3	--	407	499	.875	<.010	--	--	<.050
	06-29-00	2	--	200	244	1.87	<.010	--	--	<.050
435417095101001	06-28-00	11	390	250	305	.431	.031	--	--	2.00
435514095112201	07-27-00	--	370	273	334	.055	<.010	--	--	<.050
435533095111601	06-27-00	30	480	439	536	.063	<.010	--	--	.063
435605095121201	07-26-00	35	420	301	367	.7349	<.010	--	--	<.050
435647095122201	07-27-00	--	370	332	405	<.020	<.010	--	--	2.71
435748095122901	05-09-00	24	--	294	358	.242	<.010	--	--	13.2
	06-29-00	13	--	270	329	.333	<.010	--	--	9.58
	06-29-00	--	--	--	--	<.020	<.010	--	--	<.050
435842095132001	06-28-00	1	430	133	162	.383	<.010	--	--	<.050
440426095112401	07-25-00	--	460	325	398	.257	<.010	--	--	<.050
GOODHUE COUNTY										
444009092424501	09-08-00	2	--	292	356	.700	<.010	.73	0.81	<.050
HENNEPIN COUNTY										
450326093175201	07-19-00	4	480	282	344	.132	.015	.32	--	5.15
	07-19-00	--	480	--	--	.124	.016	.33	--	5.07
450430093220801	07-18-00	29	290	288	351	<.020	<.010	E.10	--	2.17
450448093205301	07-18-00	2	430	282	344	<.020	.037	.36	--	7.72
	07-18-00	--	--	--	--	--	--	--	--	--
	07-18-00	--	--	--	--	<.020	<.010	<.10	--	<.050
JACKSON COUNTY										
435008095060301	05-09-00	5	--	284	346	<.020	<.010	--	--	1.26
	06-27-00	13	310	280	342	.030	<.010	--	--	2.92
435014095060201	06-27-00	4	310	278	339	.351	<.010	--	--	<.050

QUALITY OF GROUND WATER--Continued  
 MULTIPLE STATION ANALYSIS--Continued  
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	DATE	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)	MAGNESIUM DIS-SOLVED (MG/L AS MG) (00925)	SODIUM DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORPTION RATIO (00931)	POTASSIUM DIS-SOLVED (MG/L AS K) (00935)
ANOKA COUNTY										
451104093212801	07-19-00	--	0.020	0.019	--	111	39.2	11.8	0.2	0.6
451315093202501	07-19-00	--	.018	.019	--	72.0	16.6	15.7	.4	1.6
BELTRAMI COUNTY										
472533094284500	07-20-00	--	.059	.049	--	32.5	6.69	2.1	.1	.3
	07-20-00	--	--	--	--	--	--	--	--	--
CASS COUNTY										
471546094331700	07-20-00	--	.028	.022	--	37.9	7.46	3.5	.1	1.0
COTTONWOOD COUNTY										
435054095045801	06-28-00	--	--	.015	--	69.9	23.8	3.2	.1	1.4
435203095070101	06-28-00	--	--	<.010	--	141	46.3	20.3	.4	1.5
435205095065302	06-29-00	--	--	.031	--	153	43.1	28.4	.5	3.0
435217095063401	07-26-00	--	--	.027	--	85.0	28.9	8.0	.2	3.9
435218095062801	05-09-00	--	--	<.010	--	--	--	--	--	--
	05-09-00	--	--	<.010	--	--	--	--	--	--
	07-26-00	--	--	<.010	--	--	--	--	--	--
435311095061801	06-27-00	--	--	.178	--	136	91.6	555	9	46.8
435315095091601	07-26-00	--	--	<.010	--	106	34.1	5.2	.1	.5
435320095094901	05-08-00	--	--	.235	--	--	--	--	--	--
	06-29-00	--	--	.144	--	--	--	--	--	--
435417095101001	06-28-00	--	--	.017	--	99.3	34.2	13.9	.3	6.1
435514095112201	07-27-00	--	--	.027	--	101	29.4	5.6	.1	3.0
435533095111601	06-27-00	--	--	<.010	--	130	37.0	5.3	.1	.3
435605095121201	07-26-00	--	--	.031	--	112	34.4	10.2	.2	2.4
435647095122201	07-27-00	--	--	.054	--	104	25.9	3.2	.1	1.2
435748095122901	05-09-00	--	--	<.010	--	--	--	--	--	--
	06-29-00	--	--	<.010	--	--	--	--	--	--
	06-29-00	--	--	<.010	--	--	--	--	--	--
435842095132001	06-28-00	--	--	.061	--	115	33.8	4.9	.1	3.2
440426095112401	07-25-00	--	--	.012	--	126	35.7	6.1	.1	3.6
GOODHUE COUNTY										
444009092424501	09-08-00	E0.005	E0.004	<.010	0.25	--	--	--	--	--
HENNEPIN COUNTY										
450326093175201	07-19-00	--	<.006	<.010	--	135	34.1	126	3	5.7
	07-19-00	--	<.006	<.010	--	133	34.6	127	3	5.7
450430093220801	07-18-00	--	.092	.083	--	83.7	19.1	92.8	2	1.6
450448093205301	07-18-00	--	<.006	<.010	--	117	33.4	59.7	1	2.8
	07-18-00	--	--	--	--	--	--	--	--	--
	07-18-00	--	<.006	<.010	--	E.01	<.01	<.1	--	<.2
JACKSON COUNTY										
435008095060301	05-09-00	--	--	<.010	--	--	--	--	--	--
	06-27-00	--	--	<.010	--	78.2	28.2	2.7	.1	1.7
435014095060201	06-27-00	--	--	<.010	--	78.9	26.3	5.5	.1	2.9

## QUALITY OF GROUND WATER--Continued

## MULTIPLE STATION ANALYSIS--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION	NUMBER	DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
ANOKA COUNTY											
451104093212801		07-19-00	56.3	88.4	0.1	19.3	0.03	<10	7	565	504
451315093202501		07-19-00	33.0	8.4	<.1	21.6	.02	<10	<2	337	311
BELTRAMI COUNTY											
472533094284500		07-20-00	.6	3.6	.1	18.4	<.01	<10	19	131	124
		07-20-00	--	--	--	--	--	--	--	--	--
CASS COUNTY											
471546094331700		07-20-00	1.0	8.5	<.1	18.3	<.01	40	73	167	150
COTTONWOOD COUNTY											
435054095045801		06-28-00	3.9	40.7	.2	--	--	--	--	--	220
435203095070101		06-28-00	37.2	39.9	.4	--	--	--	--	--	670
435205095065302		06-29-00	107	138	.3	--	--	--	--	--	718
435217095063401		07-26-00	24.6	71.6	.4	--	--	--	--	--	379
435218095062801		05-09-00	E.2	8.8	.2	--	--	--	--	--	--
		05-09-00	<.3	<.3	<.1	--	--	--	--	--	--
		07-26-00	1.1	8.8	.7	--	--	--	--	--	--
435311095061801		06-27-00	972	E.2	.1	--	--	--	--	--	--
435315095091601		07-26-00	8.3	29.8	.4	--	--	--	--	--	419
435320095094901		05-08-00	E.3	1.1	.2	--	--	--	--	--	--
		06-29-00	.9	.7	.3	--	--	--	--	--	--
435417095101001		06-28-00	18.9	152	.5	--	--	--	--	--	484
435514095112201		07-27-00	17.2	103	.2	--	--	--	--	--	424
435533095111601		06-27-00	8.4	61.2	.2	--	--	--	--	--	507
435605095121201		07-26-00	38.2	101	.5	--	--	--	--	--	480
435647095122201		07-27-00	5.6	16.9	<.1	--	--	--	--	--	368
435748095122901		05-09-00	17.7	64.8	.3	--	--	--	--	--	--
		06-29-00	12.6	75.9	.2	--	--	--	--	--	--
		06-29-00	<.3	<.3	.2	--	--	--	--	--	--
435842095132001		06-28-00	17.2	169	.3	--	--	--	--	--	424
440426095112401		07-25-00	6.2	146	.4	--	--	--	--	--	520
GOODHUE COUNTY											
444009092424501		09-08-00	--	--	--	--	--	--	--	--	--
HENNEPIN COUNTY											
450326093175201		07-19-00	267	93.8	.1	19.5	.09	800	1310	936	876
		07-19-00	271	93.8	.1	19.3	.10	820	1300	966	--
450430093220801		07-18-00	136	13.3	<.1	27.8	.05	<10	<2	576	557
450448093205301		07-18-00	141	58.8	.2	21.2	.04	80	1260	678	638
		07-18-00	--	--	--	--	--	--	--	--	--
		07-18-00	<.3	<.3	.2	<.1	<.01	<10	<2	<10	--
JACKSON COUNTY											
435008095060301		05-09-00	6.4	37.6	.2	--	--	--	--	--	--
		06-27-00	7.4	33.4	.3	--	--	--	--	--	333
435014095060201		06-27-00	6.7	53.2	.3	--	--	--	--	--	341

## QUALITY OF GROUND WATER--Continued

## MULTIPLE STATION ANALYSIS--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	DATE	TIME	SAMPLE TYPE	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-WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OTTER TAIL COUNTY										
463305095382701	10-21-99	1410	ENVIRONMENTAL	611	--	7.7	--	10.4	724	5.0
	04-20-00	1155	ENVIRONMENTAL	605	--	7.6	--	8.5	730	5.7
	06-29-00	0740	ENVIRONMENTAL	576	--	7.4	--	8.1	731	3.7
	08-23-00	1300	ENVIRONMENTAL	608	--	7.7	--	9.3	732	3.5
463342095315701	10-21-99	1540	ENVIRONMENTAL	902	--	7.8	--	11.4	725	9.4
	10-21-99	1541	BLANK	--	--	--	--	--	725	--
	04-20-00	1255	ENVIRONMENTAL	927	--	7.6	--	9.1	729	7.6
	06-29-00	0850	ENVIRONMENTAL	847	--	7.5	--	9.4	731	7.0
	08-23-00	1400	ENVIRONMENTAL	864	--	7.7	--	9.7	732	8.3
463632095370001	10-21-99	1300	ENVIRONMENTAL	663	--	7.7	--	10.3	722	10.1
	04-20-00	1055	ENVIRONMENTAL	751	--	7.5	--	9.0	731	9.7
	06-28-00	1630	ENVIRONMENTAL	745	--	7.3	--	9.2	728	8.8
	08-23-00	1020	ENVIRONMENTAL	561	--	7.7	--	9.7	731	9.5
463718096153801	07-27-00	1200	ENVIRONMENTAL	727	744	7.1	7.4	13.7	732	1.8
	07-27-00	1202	REPLICATE	--	747	--	7.4	--	--	--
463912095364701	10-20-99	1550	ENVIRONMENTAL	643	--	7.5	--	11.5	727	.4
	04-19-00	1415	ENVIRONMENTAL	668	--	7.5	--	5.7	726	1.1
	06-28-00	0740	ENVIRONMENTAL	679	--	7.0	--	9.9	732	.6
	08-23-00	1620	ENVIRONMENTAL	666	--	7.4	--	12.2	731	1.2
463912095364702	10-20-99	1650	ENVIRONMENTAL	537	--	7.7	--	9.9	726	<.1
	04-19-00	1450	ENVIRONMENTAL	537	--	7.5	--	8.4	726	.1
	06-28-00	0850	ENVIRONMENTAL	517	--	7.4	--	9.3	732	<.2
	08-23-00	1710	ENVIRONMENTAL	545	--	7.6	--	8.7	731	<.1
463956095355601	10-21-99	1000	ENVIRONMENTAL	432	--	6.9	--	12.2	722	2.9
	04-20-00	0750	ENVIRONMENTAL	471	--	6.6	--	6.1	731	4.4
	04-20-00	0751	BLANK	--	--	--	--	--	731	--
	06-28-00	1310	ENVIRONMENTAL	412	--	6.7	--	11.2	728	3.6
	08-23-00	1500	ENVIRONMENTAL	406	--	7.0	--	11.9	731	4.4
464113095341901	10-21-99	0840	ENVIRONMENTAL	691	--	7.4	--	9.6	721	2.5
	04-19-00	1710	ENVIRONMENTAL	729	--	7.4	--	9.2	724	2.4
	06-28-00	1050	ENVIRONMENTAL	656	--	6.7	--	9.0	730	.6
	08-24-00	0830	ENVIRONMENTAL	656	--	7.3	--	8.5	731	.3
464154095375501	10-21-99	1140	ENVIRONMENTAL	1050	--	7.6	--	10.2	722	10.0
	04-20-00	0930	ENVIRONMENTAL	963	--	7.5	--	9.1	731	9.3
	06-28-00	1450	ENVIRONMENTAL	987	--	7.2	--	9.9	729	8.9
	06-28-00	1451	BLANK	--	--	--	--	--	--	--
	08-23-00	0900	ENVIRONMENTAL	961	--	7.6	--	8.7	730	9.1
	08-23-00	0901	REPLICATE	960	--	7.6	--	8.8	730	9.2

## QUALITY OF GROUND WATER--Continued

## MULTIPLE STATION ANALYSIS--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	DATE	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	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)	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
OTTER TAIL COUNTY											
463305095382701	10-21-99	47	--	--	182	222	<0.020	<0.010	0.13	15.4	0.036
	04-20-00	51	--	--	192	235	--	--	--	--	--
	06-29-00	33	--	--	201	245	<.020	<.010	.12	13.1	.035
	08-23-00	32	--	--	193	236	<.020	<.010	.11	12.4	.036
463342095315701	10-21-99	91	--	--	141	172	<.020	<.010	.17	46.3	.007
	10-21-99	--	--	--	--	--	--	--	--	--	--
	04-20-00	69	--	--	134	163	<.020	<.010	.18	46.1	.007
	06-29-00	64	--	--	141	172	<.020	<.010	.21	39.8	.008
	08-23-00	77	--	--	146	178	<.020	<.010	.16	38.6	.007
463632095370001	10-21-99	95	--	--	182	222	<.020	<.010	.14	25.2	E.005
	04-20-00	87	--	--	209	255	<.020	<.010	.13	29.5	.006
	06-28-00	81	--	--	185	226	<.020	<.010	.12	30.9	.006
	08-23-00	88	--	--	207	252	<.020	<.010	.12	16.1	E.005
463718096153801	07-25-00	--	--	--	--	--	--	--	--	--	--
	07-27-00	18	--	380	378	461	<.020	<.010	.14	.064	<.006
	07-27-00	--	--	380	--	--	<.020	<.010	E.10	.066	<.006
463912095364701	10-20-99	4	--	--	247	302	<.020	<.010	.21	6.58	.043
	04-19-00	9	--	--	278	339	<.020	<.010	.20	7.90	.032
	06-28-00	6	--	--	276	337	<.020	<.010	.22	9.69	.037
	08-23-00	11	--	--	235	287	<.020	<.010	.17	12.4	.031
463912095364702	10-20-99	--	--	--	283	345	.450	<.010	.63	<.050	.095
	04-19-00	1	--	--	286	349	.471	<.010	.64	<.050	.143
	06-28-00	--	--	--	292	356	.453	<.010	.65	<.050	<.050
	08-23-00	--	--	--	292	356	.440	<.010	.61	<.050	.009
463956095355601	10-21-99	29	--	--	95	116	<.020	<.010	.20	20.5	.143
	04-20-00	37	--	--	119	145	<.020	<.010	.18	19.8	.119
	04-20-00	--	--	--	--	--	<.020	<.010	<.10	<.050	<.006
	06-28-00	34	--	--	124	151	.095	<.010	.29	<.050	.028
	08-23-00	43	--	--	109	133	<.020	<.010	.23	15.3	.152
464113095341901	10-21-99	23	--	--	346	423	<.020	<.010	.42	.795	.014
	04-19-00	22	--	--	376	459	<.020	<.010	.38	.323	.015
	06-28-00	5	--	--	344	420	<.020	<.010	.41	.127	.015
	08-24-00	2	--	--	328	400	.024	<.010	.43	.518	.015
464154095375501	10-21-99	94	--	--	202	246	<.020	<.010	.17	58.8	.013
	04-20-00	85	--	--	196	239	<.020	<.010	.17	47.0	.012
	06-28-00	83	--	--	191	233	<.020	<.010	.23	50.4	.013
	06-28-00	--	--	--	--	--	<.020	<.010	<.10	<.050	<.006
	08-23-00	82	--	--	187	229	<.020	<.010	.19	43.5	.011
	08-23-00	83	0	--	188	230	<.020	<.010	.18	44.2	.011







QUALITY OF GROUND WATER--Continued

MULTIPLE STATION ANALYSIS--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	DATE	LEAD,	MANGA-	NICKEL,	SILVER,	ZINC,	ANTI-	ALUM-	SELE-	SOLIDS,	SOLIDS,
		DIS- SOLVED (UG/L AS PB) (01049)	NESE, DIS- SOLVED (UG/L AS MN) (01056)	DIS- SOLVED (UG/L AS NI) (01065)	DIS- SOLVED (UG/L AS AG) (01075)	DIS- SOLVED (UG/L AS ZN) (01090)	DIS- SOLVED (UG/L AS SB) (01095)	DIS- SOLVED (UG/L AS AL) (01106)	NIUM, DIS- SOLVED (UG/L AS SE) (01145)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
OTTER TAIL COUNTY											
463305095382701	10-21-99	--	--	--	--	--	--	--	--	--	--
	04-20-00	--	--	--	--	--	--	--	--	--	--
	06-29-00	--	--	--	--	--	--	--	--	--	--
	08-23-00	--	--	--	--	--	--	--	--	--	--
463342095315701	10-21-99	--	--	--	--	--	--	--	--	--	--
	10-21-99	--	--	--	--	--	--	--	--	--	--
	04-20-00	--	--	--	--	--	--	--	--	--	--
	06-29-00	--	--	--	--	--	--	--	--	--	--
463632095370001	08-23-00	--	--	--	--	--	--	--	--	--	--
	10-21-99	--	--	--	--	--	--	--	--	--	--
	04-20-00	--	--	--	--	--	--	--	--	--	--
	06-28-00	--	--	--	--	--	--	--	--	--	--
463718096153801	08-23-00	--	--	--	--	--	--	--	--	--	--
	07-25-00	--	--	--	--	--	--	--	--	--	--
	07-27-00	<1	<1	<1	<1	9	<1	26	<2.4	454	438
	07-27-00	<1	<1	<1	<1	6	<1	27	<2.4	461	--
463912095364701	10-20-99	--	--	--	--	--	--	--	--	--	--
	04-19-00	--	--	--	--	--	--	--	--	--	--
	06-28-00	--	--	--	--	--	--	--	--	--	--
	08-23-00	--	--	--	--	--	--	--	--	--	--
463912095364702	10-20-99	--	--	--	--	--	--	--	--	--	--
	04-19-00	--	--	--	--	--	--	--	--	--	--
	06-28-00	--	--	--	--	--	--	--	--	--	--
	08-23-00	--	--	--	--	--	--	--	--	--	--
463956095355601	10-21-99	--	--	--	--	--	--	--	--	--	--
	04-20-00	--	--	--	--	--	--	--	--	--	--
	04-20-00	--	--	--	--	--	--	--	--	--	--
	06-28-00	--	--	--	--	--	--	--	--	--	--
464113095341901	08-23-00	--	--	--	--	--	--	--	--	--	--
	10-21-99	--	--	--	--	--	--	--	--	--	--
	04-19-00	--	--	--	--	--	--	--	--	--	--
	06-28-00	--	--	--	--	--	--	--	--	--	--
464154095375501	08-24-00	--	--	--	--	--	--	--	--	--	--
	10-21-99	--	--	--	--	--	--	--	--	--	--
	04-20-00	--	--	--	--	--	--	--	--	--	--
	06-28-00	--	--	--	--	--	--	--	--	--	--
	06-28-00	--	--	--	--	--	--	--	--	--	--
	08-23-00	--	--	--	--	--	--	--	--	--	--

E Estimated value.

< Actual value is known to be less than the value shown.