

Water Security Agency

Land Location:	NW-14-33-24-04W2	NTS Map:	62M/02
UTM Coordinates:	Z13 673998 E 5666199 N	RM No.:	214
Ground Elevation:		Source:	
Date Sampled:	25-Aug-00	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	YRK 99-04	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	23.5	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Leech Lake

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	100	Aluminum (Al)	< 0.005
Magnesium (Mg)	56	Antimony (Sb)	
Sodium (Na)	151	As (arsenic) (µg/L)	
Potassium (K)	6	Barium (Ba)	0.01
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	386	Boron (B)	0.18
Sulphate (SO4)	368	Cadmium (Cd)	< 0.001
Chloride (Cl)	40	Chromium (Cr)	< 0.001
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.44	Copper (Cu)	< 0.001
Total Iron (Fe)	1.9	Lead (Pb)	< 0.001
Manganese (Mn)	0.22	Molybdenum (Mo)	
pH (pH units)	7.5	Nickel (Ni)	< 0.001
Conductivity (uS/cm)	1440	Selenium (Se)	
Sum of Ions	1107	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	480	Tin (Sn)	
Total Alkalinity (as CaCO3)	471	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)		Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	< 0.005
Perchlorate			
Iodine (I)			

All values in mg/L, unless indicated otherwise

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UTM Coordinates:	Z13 673998 E 5666199 N	RM No.:	214
Ground Elevation:		Source:	
Date Sampled:	26-Aug-00	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	YRK 99-04	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	23.5	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Leech Lake

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	99	Aluminum (Al)	
Magnesium (Mg)	54	Antimony (Sb)	
Sodium (Na)	147	As (arsenic) (µg/L)	
Potassium (K)	7	Barium (Ba)	
Carbonate (CO3)	< 1	Beryllium (Be)	
Bicarbonate (HCO3)	453	Boron (B)	
Sulphate (SO4)	358	Cadmium (Cd)	
Chloride (Cl)	35	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.19	Copper (Cu)	
Total Iron (Fe)	1.9	Lead (Pb)	
Manganese (Mn)	0.22	Molybdenum (Mo)	
pH (pH units)	7.55	Nickel (Ni)	
Conductivity (uS/cm)	1340	Selenium (Se)	
Sum of Ions	1153	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	469	Tin (Sn)	
Total Alkalinity (as CaCO3)	371	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)		Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)			

All values in mg/L, unless indicated otherwise

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Land Location:	NW-14-33-24-04W2	NTS Map:	62M/02
UTM Coordinates:	Z13 673998 E 5666199 N	RM No.:	214
Ground Elevation:		Source:	
Date Sampled:	31-Oct-01	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	YRK 99-04	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	23.5	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Leech Lake

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	92	Aluminum (Al)	
Magnesium (Mg)	49	Antimony (Sb)	
Sodium (Na)	151	As (arsenic) (µg/L)	0.0051
Potassium (K)	6.9	Barium (Ba)	
Carbonate (CO3)	< 1	Beryllium (Be)	
Bicarbonate (HCO3)	456	Boron (B)	
Sulphate (SO4)	330	Cadmium (Cd)	
Chloride (Cl)	38	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.04	Copper (Cu)	
Total Iron (Fe)	2	Lead (Pb)	
Manganese (Mn)	0.22	Molybdenum (Mo)	
pH (pH units)	7.53	Nickel (Ni)	
Conductivity (uS/cm)	1450	Selenium (Se)	< 0.001
Sum of Ions	1123	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	431	Tin (Sn)	
Total Alkalinity (as CaCO3)	374	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)	3.2	Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)			

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