

**Water Security Agency**

<b>Land Location:</b>	SE-09-04-25-04W2	<b>NTS Map:</b>	62M/01
<b>UTM Coordinates:</b>	Z13 674964 E 5667259 N	<b>RM No.:</b>	244
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	4-Nov-99	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	YRK 99-02	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	23.5	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>		<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Leech Lake

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	100	Aluminum (Al)	
Magnesium (Mg)	43	Antimony (Sb)	
Sodium (Na)	71	As (arsenic) (µg/L)	
Potassium (K)	5.9	Barium (Ba)	
Carbonate (CO3)	< 1	Beryllium (Be)	
Bicarbonate (HCO3)	551	Boron (B)	
Sulphate (SO4)	95	Cadmium (Cd)	
Chloride (Cl)	17	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.08	Copper (Cu)	
Total Iron (Fe)	2.8	Lead (Pb)	
Manganese (Mn)	0.22	Molybdenum (Mo)	
pH (pH units)	7.41	Nickel (Ni)	
Conductivity (uS/cm)	975	Selenium (Se)	
Sum of Ions	883	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	426	Tin (Sn)	
Total Alkalinity (as CaCO3)	452	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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<b>UTM Coordinates:</b>	Z13 674964 E 5667259 N	<b>RM No.:</b>	244
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	25-Aug-00	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	YRK 99-02	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	23.5	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>		<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Leech Lake

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	100	Aluminum (Al)	< 0.005
Magnesium (Mg)	46	Antimony (Sb)	
Sodium (Na)	66	As (arsenic) (µg/L)	
Potassium (K)	5	Barium (Ba)	0.03
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	576	Boron (B)	0.099
Sulphate (SO4)	94	Cadmium (Cd)	< 0.001
Chloride (Cl)	17	Chromium (Cr)	< 0.001
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.44	Copper (Cu)	< 0.001
Total Iron (Fe)	2.5	Lead (Pb)	< 0.001
Manganese (Mn)	0.22	Molybdenum (Mo)	
pH (pH units)	7.3	Nickel (Ni)	< 0.001
Conductivity (uS/cm)	1010	Selenium (Se)	
Sum of Ions	904	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	439	Tin (Sn)	
Total Alkalinity (as CaCO3)	472	Titanium (Ti)	
Dissolved Organic Carbon (DOC)		Uranium (U) (µg/L)	
Turbidity (NTU)		Vanadium (V)	
Perchlorate		Zinc (Zn)	< 0.005
Iodine (I)			

All values in mg/L, unless indicated otherwise

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<b>UTM Coordinates:</b>	Z13 674964 E 5667259 N	<b>RM No.:</b>	244
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	30-Oct-01	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	YRK 99-02	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	23.5	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>		<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Leech Lake

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	97	Aluminum (Al)	
Magnesium (Mg)	41	Antimony (Sb)	
Sodium (Na)	68	As (arsenic) (µg/L)	0.021
Potassium (K)	6.3	Barium (Ba)	
Carbonate (CO3)	< 1	Beryllium (Be)	
Bicarbonate (HCO3)	554	Boron (B)	
Sulphate (SO4)	94	Cadmium (Cd)	
Chloride (Cl)	17	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.04	Copper (Cu)	
Total Iron (Fe)	2.8	Lead (Pb)	
Manganese (Mn)	0.23	Molybdenum (Mo)	
pH (pH units)	7.46	Nickel (Ni)	
Conductivity (uS/cm)	1030	Selenium (Se)	< 0.001
Sum of Ions	877	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	410	Tin (Sn)	
Total Alkalinity (as CaCO3)	454	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)	4.5	Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)			

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