

**Water Security Agency**

<b>Land Location:</b>	SW-01-33-24-04W2	<b>NTS Map:</b>	62M/02
<b>UTM Coordinates:</b>	Z13 674841 E 5664822 N	<b>RM No.:</b>	214
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	5-Nov-99	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	YRK 99-03	<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>	38.6	<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)	148	Aluminum (Al)	
Magnesium (Mg)	75	Antimony (Sb)	
Sodium (Na)	216	As (arsenic) (µg/L)	
Potassium (K)	8.1	Barium (Ba)	
Carbonate (CO3)	< 1	Beryllium (Be)	
Bicarbonate (HCO3)	449	Boron (B)	
Sulphate (SO4)	667	Cadmium (Cd)	
Chloride (Cl)	76	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.14	Copper (Cu)	
Total Iron (Fe)	3.4	Lead (Pb)	
Manganese (Mn)	0.35	Molybdenum (Mo)	
pH (pH units)	7.35	Nickel (Ni)	
Conductivity (uS/cm)	1910	Selenium (Se)	
Sum of Ions	1639	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	677	Tin (Sn)	
Total Alkalinity (as CaCO3)	368	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

**Water Security Agency**

<b>Land Location:</b>	SW-01-33-24-04W2	<b>NTS Map:</b>	62M/02
<b>UTM Coordinates:</b>	Z13 674841 E 5664822 N	<b>RM No.:</b>	214
<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 99-03	<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>	38.6	<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)	152	Aluminum (Al)	< 0.005
Magnesium (Mg)	78	Antimony (Sb)	
Sodium (Na)	208	As (arsenic) (µg/L)	
Potassium (K)	7	Barium (Ba)	0.00
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	468	Boron (B)	0.33
Sulphate (SO4)	634	Cadmium (Cd)	< 0.001
Chloride (Cl)	80	Chromium (Cr)	< 0.001
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.35	Copper (Cu)	< 0.001
Total Iron (Fe)	3	Lead (Pb)	< 0.001
Manganese (Mn)	0.33	Molybdenum (Mo)	
pH (pH units)	7.3	Nickel (Ni)	< 0.001
Conductivity (uS/cm)	2030	Selenium (Se)	
Sum of Ions	1627	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	701	Tin (Sn)	
Total Alkalinity (as CaCO3)	384	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

**Water Security Agency**

<b>Land Location:</b>	SW-01-33-24-04W2	<b>NTS Map:</b>	62M/02
<b>UTM Coordinates:</b>	Z13 674841 E 5664822 N	<b>RM No.:</b>	214
<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 99-03	<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>	38.6	<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)	145	Aluminum (Al)	
Magnesium (Mg)	71	Antimony (Sb)	
Sodium (Na)	213	As (arsenic) (µg/L)	0.0039
Potassium (K)	8	Barium (Ba)	
Carbonate (CO3)	< 1	Beryllium (Be)	
Bicarbonate (HCO3)	450	Boron (B)	
Sulphate (SO4)	615	Cadmium (Cd)	
Chloride (Cl)	77	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.04	Copper (Cu)	
Total Iron (Fe)	3.5	Lead (Pb)	
Manganese (Mn)	0.36	Molybdenum (Mo)	
pH (pH units)	7.38	Nickel (Ni)	
Conductivity (uS/cm)	2050	Selenium (Se)	< 0.001
Sum of Ions	1579	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	654	Tin (Sn)	
Total Alkalinity (as CaCO3)	369	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)	3.1	Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)			

All values in mg/L, unless indicated otherwise