

Water Security Agency

Land Location:	SW-12-14-30-10W3	NTS Map:	72O/11
UTM Coordinates:	Z13 339602 E 5715782 N	RM No.:	285
Ground Elevation:		Source:	
Date Sampled:	8-Dec-71	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Conquest 504	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	82.8	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Empress Group
Laboratory:		Aquifer name:	Tyner Valley aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	422	Aluminum (Al)	
Magnesium (Mg)	128	Antimony (Sb)	
Sodium (Na)	475	As (arsenic) (µg/L)	
Potassium (K)	15.4	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	405	Boron (B)	
Sulphate (SO4)	2092	Cadmium (Cd)	
Chloride (Cl)	18	Chromium (Cr)	
Fluoride (F)	0.06	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.1	Copper (Cu)	
Total Iron (Fe)	10	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	7.53	Nickel (Ni)	
Conductivity (uS/cm)	4020	Selenium (Se)	
Sum of Ions	3556	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	1580	Tin (Sn)	
Total Alkalinity (as CaCO3)	336	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

Land Location:	SW-12-14-30-10W3	NTS Map:	72O/11
UTM Coordinates:	Z13 339602 E 5715782 N	RM No.:	285
Ground Elevation:		Source:	
Date Sampled:	28-Aug-84	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Conquest 504	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	82.8	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Empress Group
Laboratory:		Aquifer name:	Tyner Valley aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	389	Aluminum (Al)	
Magnesium (Mg)	145	Antimony (Sb)	
Sodium (Na)	514	As (arsenic) (µg/L)	
Potassium (K)	12	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	400	Boron (B)	
Sulphate (SO4)	2120	Cadmium (Cd)	
Chloride (Cl)	154	Chromium (Cr)	
Fluoride (F)	0.14	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.02	Copper (Cu)	
Total Iron (Fe)	10	Lead (Pb)	
Manganese (Mn)	0.32	Molybdenum (Mo)	
pH (pH units)	7.49	Nickel (Ni)	
Conductivity (uS/cm)	4180	Selenium (Se)	
Sum of Ions	3734	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	1560	Tin (Sn)	
Total Alkalinity (as CaCO3)	328	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)		Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)	0.19		

All values in mg/L, unless indicated otherwise

Water Security Agency

Land Location:	SW-12-14-30-10W3	NTS Map:	720/11
UTM Coordinates:	Z13 339602 E 5715782 N	RM No.:	285
Ground Elevation:		Source:	
Date Sampled:	31-Oct-05	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Conquest 504	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	82.8	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Empress Group
Laboratory:		Aquifer name:	Tyner Valley aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	318	Aluminum (Al)	0.0081
Magnesium (Mg)	98	Antimony (Sb)	< 0.0002
Sodium (Na)	504	As (arsenic) (µg/L)	0.0094
Potassium (K)	15	Barium (Ba)	0.02
Carbonate (CO3)	<1	Beryllium (Be)	< 0.0001
Bicarbonate (HCO3)	315	Boron (B)	0.4
Sulphate (SO4)	1800	Cadmium (Cd)	< 0.0005
Chloride (Cl)	136	Chromium (Cr)	< 0.005
Fluoride (F)	0.5	Cobalt (Co)	0.001
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.04	Copper (Cu)	< 0.0002
Total Iron (Fe)	6.4	Lead (Pb)	< 0.0001
Manganese (Mn)	0.25	Molybdenum (Mo)	0.023
pH (pH units)	7.88	Nickel (Ni)	0.0001
Conductivity (uS/cm)	3420	Selenium (Se)	< 0.0001
Sum of Ions	3186	Silver (Ag)	< 0.0001
Total Dissolved Solids (TDS)	2980	Strontium (Sr)	1.8
Error in Balance (%)		Thallium (Tl)	< 0.0002
Hardness (as CaCO3)	1200	Tin (Sn)	< 0.0001
Total Alkalinity (as CaCO3)	258	Titanium (Ti)	
		Uranium (U) (µg/L)	0.0008
Dissolved Organic Carbon (DOC)		Vanadium (V)	0.0001
Turbidity (NTU)	102	Zinc (Zn)	< 0.005
Perchlorate			
Iodine (I)	0.0875		

All values in mg/L, unless indicated otherwise