

Water Security Agency

Land Location:	04-18-18W2	NTS Map:	721/08
UTM Coordinates:	Z13 540213 E 5593347 N	RM No.:	158
Ground Elevation:		Source:	
Date Sampled:	17-Oct-05	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Pilot Butte North	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	15.9	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	87403	Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Condie Moraine

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	107	Aluminum (Al)	<0.0005
Magnesium (Mg)	36	Antimony (Sb)	<0.0002
Sodium (Na)	28	As (arsenic) (µg/L)	0.0013
Potassium (K)	3.7	Barium (Ba)	0.07
Carbonate (CO3)	<1	Beryllium (Be)	<0.0001
Bicarbonate (HCO3)	344	Boron (B)	0.1
Sulphate (SO4)	170	Cadmium (Cd)	<0.0005
Chloride (Cl)	6	Chromium (Cr)	<0.005
Fluoride (F)	0.7	Cobalt (Co)	0.0003
Nitrate - Nitrate (NO3, NO2 + NO3)	5.2	Copper (Cu)	<0.0002
Total Iron (Fe)	0.081	Lead (Pb)	<0.0001
Manganese (Mn)	0.072	Molybdenum (Mo)	0.0012
pH (pH units)	7.92	Nickel (Ni)	0.0007
Conductivity (uS/cm)	812	Selenium (Se)	0.0007
Sum of Ions	700	Silver (Ag)	<0.0001
Total Dissolved Solids (TDS)	564	Strontium (Sr)	0.25
Error in Balance (%)		Thallium (Tl)	<0.0002
Hardness (as CaCO3)	415	Tin (Sn)	<0.0001
Total Alkalinity (as CaCO3)	282	Titanium (Ti)	0.0015
Dissolved Organic Carbon (DOC)		Uranium (U) (µg/L)	0.0058
Turbidity (NTU)	0.6	Vanadium (V)	0.0001
Perchlorate		Zinc (Zn)	<0.005
Iodine (I)			

All values in mg/L, unless indicated otherwise