

Water Security Agency

Land Location:	SW-4-09-60-16W3	NTS Map:	73K/01
UTM Coordinates:	Z13 281265 E 6007215 N	RM No.:	588
Ground Elevation:		Source:	
Date Sampled:	26-Nov-90	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Meadow Lake	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	73.1	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	115932	Construction method:	
Analysis No.:		Formation:	Empress Group
Laboratory:		Aquifer name:	Hatfield Valley aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	72	Aluminum (Al)	
Magnesium (Mg)	24	Antimony (Sb)	
Sodium (Na)	475	As (arsenic) (µg/L)	
Potassium (K)	6.5	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	385	Boron (B)	
Sulphate (SO4)	436	Cadmium (Cd)	
Chloride (Cl)	369	Chromium (Cr)	
Fluoride (F)	0.13	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.04	Copper (Cu)	
Total Iron (Fe)	1.9	Lead (Pb)	
Manganese (Mn)	0.1	Molybdenum (Mo)	
pH (pH units)	8.27	Nickel (Ni)	
Conductivity (uS/cm)		Selenium (Se)	
Sum of Ions	1768	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	279	Tin (Sn)	
Total Alkalinity (as CaCO3)	316	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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UTM Coordinates:	Z13 281265 E 6007215 N	RM No.:	588
Ground Elevation:		Source:	
Date Sampled:	10-Nov-05	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Meadow Lake	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	73.1	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	115932	Construction method:	
Analysis No.:		Formation:	Empress Group
Laboratory:		Aquifer name:	Hatfield Valley aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	38	Aluminum (Al)	0.0037
Magnesium (Mg)	20	Antimony (Sb)	< 0.0002
Sodium (Na)	509	As (arsenic) (µg/L)	0.023
Potassium (K)	7.7	Barium (Ba)	0.04
Carbonate (CO3)	14	Beryllium (Be)	< 0.0001
Bicarbonate (HCO3)	395	Boron (B)	0.71
Sulphate (SO4)	410	Cadmium (Cd)	< 0.0005
Chloride (Cl)	392	Chromium (Cr)	< 0.005
Fluoride (F)	0.11	Cobalt (Co)	0.0002
Nitrate - Nitrate (NO3, NO2 + NO3)	< 0.04	Copper (Cu)	< 0.0002
Total Iron (Fe)	0.57	Lead (Pb)	< 0.0001
Manganese (Mn)	0.045	Molybdenum (Mo)	0.0084
pH (pH units)	8.55	Nickel (Ni)	< 0.0001
Conductivity (uS/cm)	2460	Selenium (Se)	< 0.0001
Sum of Ions	1786	Silver (Ag)	< 0.0001
Total Dissolved Solids (TDS)	1570	Strontium (Sr)	0.49
Error in Balance (%)		Thallium (Tl)	< 0.0002
Hardness (as CaCO3)	177	Tin (Sn)	< 0.0001
Total Alkalinity (as CaCO3)	348	Titanium (Ti)	
		Uranium (U) (µg/L)	0.0003
Dissolved Organic Carbon (DOC)		Vanadium (V)	0.0002
Turbidity (NTU)	1.3	Zinc (Zn)	< 0.005
Perchlorate			
Iodine (I)			

All values in mg/L, unless indicated otherwise