

Water Security Agency

Land Location:	NE-8-07-46-17W2	NTS Map:	73A/16
UTM Coordinates:	Z13 537076 E 5866858 N	RM No.:	458
Ground Elevation:		Source:	
Date Sampled:	22-Nov-67	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Melfort	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	10.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Quaternary, unnamed

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	530	Aluminum (Al)	
Magnesium (Mg)	220	Antimony (Sb)	
Sodium (Na)	165	As (arsenic) (µg/L)	
Potassium (K)	19	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	622	Boron (B)	
Sulphate (SO4)	1980	Cadmium (Cd)	
Chloride (Cl)	48	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)		Copper (Cu)	
Total Iron (Fe)	0.62	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	7	Nickel (Ni)	
Conductivity (uS/cm)	3350	Selenium (Se)	
Sum of Ions	3584	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	2225	Tin (Sn)	
Total Alkalinity (as CaCO3)	510	Titanium (Ti)	
Dissolved Organic Carbon (DOC)		Uranium (U) (µg/L)	
Turbidity (NTU)		Vanadium (V)	
Perchlorate		Zinc (Zn)	
Iodine (I)			

All values in mg/L, unless indicated otherwise

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Land Location:	NE-8-07-46-17W2	NTS Map:	73A/16
UTM Coordinates:	Z13 537076 E 5866858 N	RM No.:	458
Ground Elevation:		Source:	
Date Sampled:	29-Jun-70	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Melfort	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	10.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Quaternary, unnamed

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	453	Aluminum (Al)	
Magnesium (Mg)	218	Antimony (Sb)	
Sodium (Na)	170	As (arsenic) (µg/L)	
Potassium (K)	19	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	407	Boron (B)	
Sulphate (SO4)	1960	Cadmium (Cd)	
Chloride (Cl)	57	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<2	Copper (Cu)	
Total Iron (Fe)	1.4	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	7.65	Nickel (Ni)	
Conductivity (uS/cm)	3800	Selenium (Se)	
Sum of Ions	3284	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	2028	Tin (Sn)	
Total Alkalinity (as CaCO3)	334	Titanium (Ti)	
Dissolved Organic Carbon (DOC)		Uranium (U) (µg/L)	
Turbidity (NTU)		Vanadium (V)	
Perchlorate		Zinc (Zn)	
Iodine (I)			

All values in mg/L, unless indicated otherwise

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Land Location:	NE-8-07-46-17W2	NTS Map:	73A/16
UTM Coordinates:	Z13 537076 E 5866858 N	RM No.:	458
Ground Elevation:		Source:	
Date Sampled:	13-Sep-84	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Melfort	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	10.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #		Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Quaternary, unnamed

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	483	Aluminum (Al)	
Magnesium (Mg)	228	Antimony (Sb)	
Sodium (Na)	181	As (arsenic) (µg/L)	
Potassium (K)	16	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	580	Boron (B)	
Sulphate (SO4)	1970	Cadmium (Cd)	
Chloride (Cl)	81	Chromium (Cr)	
Fluoride (F)	0.29	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.62	Copper (Cu)	
Total Iron (Fe)	1.3	Lead (Pb)	
Manganese (Mn)	3.5	Molybdenum (Mo)	
pH (pH units)	7.8	Nickel (Ni)	
Conductivity (uS/cm)	3800	Selenium (Se)	
Sum of Ions	3540	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	2000	Tin (Sn)	
Total Alkalinity (as CaCO3)	475	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)		Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)			

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