

Water Security Agency

Land Location:	SE-1-13-38-06W3	NTS Map:	73B/07
UTM Coordinates:	Z13 382657 E 5791496 N	RM No.:	344
Ground Elevation:		Source:	
Date Sampled:	17-Oct-66	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Dalmeny	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	26.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	32183	Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Dalmeny aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	383	Aluminum (Al)	
Magnesium (Mg)	179	Antimony (Sb)	
Sodium (Na)	110	As (arsenic) (µg/L)	
Potassium (K)	13	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	866	Boron (B)	
Sulphate (SO4)	1220	Cadmium (Cd)	
Chloride (Cl)	12	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)		Copper (Cu)	
Total Iron (Fe)	11.3	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	7.1	Nickel (Ni)	
Conductivity (uS/cm)	2400	Selenium (Se)	
Sum of Ions	2783	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	1690	Tin (Sn)	
Total Alkalinity (as CaCO3)	710	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

Water Security Agency

Land Location:	SE-1-13-38-06W3	NTS Map:	73B/07
UTM Coordinates:	Z13 382657 E 5791496 N	RM No.:	344
Ground Elevation:		Source:	
Date Sampled:	21-Jun-68	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Dalmeny	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	26.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	32183	Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Dalmeny aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	358	Aluminum (Al)	
Magnesium (Mg)	182	Antimony (Sb)	
Sodium (Na)	98	As (arsenic) (µg/L)	
Potassium (K)	13	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	709	Boron (B)	
Sulphate (SO4)	1255	Cadmium (Cd)	
Chloride (Cl)	11	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)		Copper (Cu)	
Total Iron (Fe)	10.7	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	6.9	Nickel (Ni)	
Conductivity (uS/cm)	2500	Selenium (Se)	
Sum of Ions	2626	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	1656	Tin (Sn)	
Total Alkalinity (as CaCO3)	581	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:	SE-1-13-38-06W3	NTS Map:	73B/07
UTM Coordinates:	Z13 382657 E 5791496 N	RM No.:	344
Ground Elevation:		Source:	
Date Sampled:	24-Jul-70	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Dalmeny	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	26.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	32183	Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Dalmeny aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	377	Aluminum (Al)	
Magnesium (Mg)	181	Antimony (Sb)	
Sodium (Na)	104	As (arsenic) (µg/L)	
Potassium (K)	13	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	828	Boron (B)	
Sulphate (SO4)	1250	Cadmium (Cd)	
Chloride (Cl)	10	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<2	Copper (Cu)	
Total Iron (Fe)	10.4	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	8.28	Nickel (Ni)	
Conductivity (uS/cm)	3000	Selenium (Se)	
Sum of Ions	2763	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	1684	Tin (Sn)	
Total Alkalinity (as CaCO3)	678	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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Land Location:	SE-1-13-38-06W3	NTS Map:	73B/07
UTM Coordinates:	Z13 382657 E 5791496 N	RM No.:	344
Ground Elevation:		Source:	
Date Sampled:	2-Aug-78	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Dalmeny	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	26.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	32183	Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Dalmeny aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	260	Aluminum (Al)	
Magnesium (Mg)	178	Antimony (Sb)	
Sodium (Na)	108	As (arsenic) (µg/L)	
Potassium (K)	14	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	429	Boron (B)	
Sulphate (SO4)	1230	Cadmium (Cd)	
Chloride (Cl)	22	Chromium (Cr)	
Fluoride (F)	0.01	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	5.3	Copper (Cu)	
Total Iron (Fe)	6.7	Lead (Pb)	
Manganese (Mn)	0.35	Molybdenum (Mo)	
pH (pH units)	7.91	Nickel (Ni)	
Conductivity (uS/cm)	2307	Selenium (Se)	
Sum of Ions	2246	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	1380	Tin (Sn)	
Total Alkalinity (as CaCO3)	352	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)		Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)			

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Water Security Agency

Land Location:	SE-1-13-38-06W3	NTS Map:	73B/07
UTM Coordinates:	Z13 382657 E 5791496 N	RM No.:	344
Ground Elevation:		Source:	
Date Sampled:	15-Aug-83	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Dalmeny	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	26.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	32183	Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Dalmeny aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	372	Aluminum (Al)	
Magnesium (Mg)	172	Antimony (Sb)	
Sodium (Na)	104	As (arsenic) (µg/L)	
Potassium (K)	11	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	836	Boron (B)	
Sulphate (SO4)	1160	Cadmium (Cd)	
Chloride (Cl)	12	Chromium (Cr)	
Fluoride (F)	0.08	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.02	Copper (Cu)	
Total Iron (Fe)	11	Lead (Pb)	
Manganese (Mn)	0.24	Molybdenum (Mo)	
pH (pH units)	7.36	Nickel (Ni)	
Conductivity (uS/cm)	2550	Selenium (Se)	
Sum of Ions	2667	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	1680	Tin (Sn)	
Total Alkalinity (as CaCO3)	685	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:	SE-1-13-38-06W3	NTS Map:	73B/07
UTM Coordinates:	Z13 382657 E 5791496 N	RM No.:	344
Ground Elevation:		Source:	
Date Sampled:	21-Sep-05	Time Sampled:	
Sample Location:		Sampled by:	
Well name:	SWA Dalmeny	Contractor:	
Well owner:	Water Security Agency		
Address:	111 Fairford Street East Moose Jaw, SK S6H 7X9	Tel:	
Sample Depth:	26.6	Date Drilled:	
Depth to Water:		Pump Setting:	
Well Diameter:		Pumping Rate:	
WWRD #	32183	Construction method:	
Analysis No.:		Formation:	Quaternary, undiff
Laboratory:		Aquifer name:	Dalmeny aquifer

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	382	Aluminum (Al)	0.0012
Magnesium (Mg)	172	Antimony (Sb)	< 0.0002
Sodium (Na)	104	As (arsenic) (µg/L)	0.0004
Potassium (K)	12	Barium (Ba)	0.03
Carbonate (CO3)	<1	Beryllium (Be)	< 0.0001
Bicarbonate (HCO3)	805	Boron (B)	0.39
Sulphate (SO4)	1160	Cadmium (Cd)	< 0.0005
Chloride (Cl)	10	Chromium (Cr)	< 0.005
Fluoride (F)	0.12	Cobalt (Co)	0.0013
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.04	Copper (Cu)	< 0.0002
Total Iron (Fe)	9.4	Lead (Pb)	< 0.0001
Manganese (Mn)	0.22	Molybdenum (Mo)	0.0009
pH (pH units)	7.69	Nickel (Ni)	0.0004
Conductivity (uS/cm)	2720	Selenium (Se)	0.0001
Sum of Ions	2645	Silver (Ag)	< 0.0001
Total Dissolved Solids (TDS)	2410	Strontium (Sr)	2
Error in Balance (%)		Thallium (Tl)	< 0.0002
Hardness (as CaCO3)	1660	Tin (Sn)	0.0001
Total Alkalinity (as CaCO3)	660	Titanium (Ti)	
		Uranium (U) (µg/L)	< 0.0001
Dissolved Organic Carbon (DOC)		Vanadium (V)	0.0002
Turbidity (NTU)	141	Zinc (Zn)	0.005
Perchlorate			
Iodine (I)			

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