

**Water Security Agency**

<b>Land Location:</b>	SW-13-04-29-23W2	<b>NTS Map:</b>	72P/06
<b>UTM Coordinates:</b>	Z13 486613 E 5700693 N	<b>RM No.:</b>	280
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	30-Jun-68	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Simpson SW13-4	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	7.2	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	120926	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Surficial, unnamed

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	50	Aluminum (Al)	
Magnesium (Mg)	15	Antimony (Sb)	
Sodium (Na)	2.5	As (arsenic) (µg/L)	
Potassium (K)	1.7	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	196	Boron (B)	
Sulphate (SO4)	15	Cadmium (Cd)	
Chloride (Cl)	1	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<2	Copper (Cu)	
Total Iron (Fe)	1	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	8	Nickel (Ni)	
Conductivity (uS/cm)	415	Selenium (Se)	
Sum of Ions	281	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	188	Tin (Sn)	
Total Alkalinity (as CaCO3)	161	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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<b>Land Location:</b>	SW-13-04-29-23W2	<b>NTS Map:</b>	72P/06
<b>UTM Coordinates:</b>	Z13 486613 E 5700693 N	<b>RM No.:</b>	280
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	30-Jul-68	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Simpson SW13-4	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	7.2	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	120926	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Surficial, unnamed

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	55	Aluminum (Al)	
Magnesium (Mg)	17	Antimony (Sb)	
Sodium (Na)	9	As (arsenic) (µg/L)	
Potassium (K)	3	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	212	Boron (B)	
Sulphate (SO4)	22	Cadmium (Cd)	
Chloride (Cl)	1	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	35	Copper (Cu)	
Total Iron (Fe)	0.25	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	8.2	Nickel (Ni)	
Conductivity (uS/cm)	480	Selenium (Se)	
Sum of Ions	354	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	208	Tin (Sn)	
Total Alkalinity (as CaCO3)	174	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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<b>Land Location:</b>	SW-13-04-29-23W2	<b>NTS Map:</b>	72P/06
<b>UTM Coordinates:</b>	Z13 486613 E 5700693 N	<b>RM No.:</b>	280
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	21-Sep-78	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Simpson SW13-4	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	7.2	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	120926	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Surficial, unnamed

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	90	Aluminum (Al)	
Magnesium (Mg)	30	Antimony (Sb)	
Sodium (Na)	39	As (arsenic) (µg/L)	
Potassium (K)	2.3	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	178	Boron (B)	
Sulphate (SO4)	118	Cadmium (Cd)	
Chloride (Cl)	60	Chromium (Cr)	
Fluoride (F)	0.13	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	25.2	Copper (Cu)	
Total Iron (Fe)	0.76	Lead (Pb)	
Manganese (Mn)	0.28	Molybdenum (Mo)	
pH (pH units)	8.21	Nickel (Ni)	
Conductivity (uS/cm)	816	Selenium (Se)	
Sum of Ions	543	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	346	Tin (Sn)	
Total Alkalinity (as CaCO3)	146	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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<b>Land Location:</b>	SW-13-04-29-23W2	<b>NTS Map:</b>	72P/06
<b>UTM Coordinates:</b>	Z13 486613 E 5700693 N	<b>RM No.:</b>	280
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	26-Aug-83	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Simpson SW13-4	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	7.2	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	120926	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Surficial, unnamed

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	53	Aluminum (Al)	
Magnesium (Mg)	19	Antimony (Sb)	
Sodium (Na)	10	As (arsenic) (µg/L)	
Potassium (K)	1.9	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	188	Boron (B)	
Sulphate (SO4)	31	Cadmium (Cd)	
Chloride (Cl)	17	Chromium (Cr)	
Fluoride (F)	0.15	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	18.16	Copper (Cu)	
Total Iron (Fe)	0.25	Lead (Pb)	
Manganese (Mn)	0.06	Molybdenum (Mo)	
pH (pH units)	8.1	Nickel (Ni)	
Conductivity (uS/cm)	417	Selenium (Se)	
Sum of Ions	338	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	213	Tin (Sn)	
Total Alkalinity (as CaCO3)	154	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**

<b>Land Location:</b>	SW-13-04-29-23W2	<b>NTS Map:</b>	72P/06
<b>UTM Coordinates:</b>	Z13 486613 E 5700693 N	<b>RM No.:</b>	280
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	23-Oct-85	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Simpson SW13-4	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	7.2	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	120926	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Surficial, unnamed

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	51	Aluminum (Al)	
Magnesium (Mg)	20	Antimony (Sb)	
Sodium (Na)	4.9	As (arsenic) (µg/L)	
Potassium (K)	0.3	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	204	Boron (B)	
Sulphate (SO4)	28	Cadmium (Cd)	
Chloride (Cl)	5	Chromium (Cr)	
Fluoride (F)	0.15	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	14.2	Copper (Cu)	
Total Iron (Fe)	2.3	Lead (Pb)	
Manganese (Mn)	0.02	Molybdenum (Mo)	
pH (pH units)	7.2	Nickel (Ni)	
Conductivity (uS/cm)	402	Selenium (Se)	
Sum of Ions	327	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	208	Tin (Sn)	
Total Alkalinity (as CaCO3)	167	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**

<b>Land Location:</b>	SW-13-04-29-23W2	<b>NTS Map:</b>	72P/06
<b>UTM Coordinates:</b>	Z13 486613 E 5700693 N	<b>RM No.:</b>	280
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	22-Sep-05	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Simpson SW13-4	<b>Contractor:</b>	
<b>Well owner:</b>	Water Security Agency		
<b>Address:</b>	111 Fairford Street East Moose Jaw, SK S6H 7X9	<b>Tel:</b>	
<b>Sample Depth:</b>	7.2	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	120926	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Quaternary, undiff
<b>Laboratory:</b>		<b>Aquifer name:</b>	Surficial, unnamed

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	53	Aluminum (Al)	0.0074
Magnesium (Mg)	21	Antimony (Sb)	< 0.0002
Sodium (Na)	3.5	As (arsenic) (µg/L)	0.0005
Potassium (K)	1.8	Barium (Ba)	0.10
Carbonate (CO3)	<1	Beryllium (Be)	< 0.0001
Bicarbonate (HCO3)	249	Boron (B)	0.03
Sulphate (SO4)	17	Cadmium (Cd)	< 0.0005
Chloride (Cl)	3	Chromium (Cr)	< 0.005
Fluoride (F)	0.1	Cobalt (Co)	0.0004
Nitrate - Nitrate (NO3, NO2 + NO3)	9.2	Copper (Cu)	0.0014
Total Iron (Fe)	0.19	Lead (Pb)	0.0001
Manganese (Mn)	0.038	Molybdenum (Mo)	0.0024
pH (pH units)	7.8	Nickel (Ni)	0.0082
Conductivity (uS/cm)	430	Selenium (Se)	0.0011
Sum of Ions	358	Silver (Ag)	< 0.0001
Total Dissolved Solids (TDS)	267	Strontium (Sr)	0.078
Error in Balance (%)		Thallium (Tl)	< 0.0002
Hardness (as CaCO3)	219	Tin (Sn)	0.0001
Total Alkalinity (as CaCO3)	204	Titanium (Ti)	
		Uranium (U) (µg/L)	0.0011
Dissolved Organic Carbon (DOC)		Vanadium (V)	0.0001
Turbidity (NTU)	1.2	Zinc (Zn)	< 0.005
Perchlorate			
Iodine (I)	0.0136		

All values in mg/L, unless indicated otherwise