

**Water Security Agency**

<b>Land Location:</b>	SW-13-21-09-19W3	<b>NTS Map:</b>	72F/15
<b>UTM Coordinates:</b>	Z13 245558 E 5517261 N	<b>RM No.:</b>	79
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	4-Nov-66	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Garden Head	<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>	22.7	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	26598	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Eastend-Ravenscrag
<b>Laboratory:</b>		<b>Aquifer name:</b>	Eastend-Ravenscrag

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	52	Aluminum (Al)	
Magnesium (Mg)	25.1	Antimony (Sb)	
Sodium (Na)	210	As (arsenic) (µg/L)	
Potassium (K)	10.7	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	548	Boron (B)	
Sulphate (SO4)	244	Cadmium (Cd)	
Chloride (Cl)	3.6	Chromium (Cr)	
Fluoride (F)		Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)		Copper (Cu)	
Total Iron (Fe)	1.95	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	7.53	Nickel (Ni)	
Conductivity (uS/cm)	1180	Selenium (Se)	
Sum of Ions	1093	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	232	Tin (Sn)	
Total Alkalinity (as CaCO3)	449	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-13-21-09-19W3	<b>NTS Map:</b>	72F/15
<b>UTM Coordinates:</b>	Z13 245558 E 5517261 N	<b>RM No.:</b>	79
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	25-Aug-71	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Garden Head	<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>	22.7	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	26598	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Eastend-Ravenscrag
<b>Laboratory:</b>		<b>Aquifer name:</b>	Eastend-Ravenscrag

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	53	Aluminum (Al)	
Magnesium (Mg)	35	Antimony (Sb)	
Sodium (Na)	195	As (arsenic) (µg/L)	
Potassium (K)	12	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	538	Boron (B)	
Sulphate (SO4)	280	Cadmium (Cd)	
Chloride (Cl)	1	Chromium (Cr)	
Fluoride (F)	0.04	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	1	Copper (Cu)	
Total Iron (Fe)	0.7	Lead (Pb)	
Manganese (Mn)		Molybdenum (Mo)	
pH (pH units)	7	Nickel (Ni)	
Conductivity (uS/cm)	1130	Selenium (Se)	
Sum of Ions	1115	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	275	Tin (Sn)	
Total Alkalinity (as CaCO3)	440	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-13-21-09-19W3	<b>NTS Map:</b>	72F/15
<b>UTM Coordinates:</b>	Z13 245558 E 5517261 N	<b>RM No.:</b>	79
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	25-Jul-78	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Garden Head	<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>	22.7	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	26598	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Eastend-Ravenscrag
<b>Laboratory:</b>		<b>Aquifer name:</b>	Eastend-Ravenscrag

Constituent	Concentration	Constituent	Concentration
Major Ions		Metals	
Calcium (Ca)	61	Aluminum (Al)	
Magnesium (Mg)	33	Antimony (Sb)	
Sodium (Na)	200	As (arsenic) (µg/L)	
Potassium (K)	8.3	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	487	Boron (B)	
Sulphate (SO4)	308	Cadmium (Cd)	
Chloride (Cl)	16	Chromium (Cr)	
Fluoride (F)	0.18	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	0.04	Copper (Cu)	
Total Iron (Fe)	13	Lead (Pb)	
Manganese (Mn)	0.26	Molybdenum (Mo)	
pH (pH units)	7.88	Nickel (Ni)	
Conductivity (uS/cm)	1294	Selenium (Se)	
Sum of Ions	1113	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	287	Tin (Sn)	
Total Alkalinity (as CaCO3)	399	Titanium (Ti)	
		Uranium (U) (µg/L)	
Dissolved Organic Carbon (DOC)		Vanadium (V)	
Turbidity (NTU)		Zinc (Zn)	
Perchlorate			
Iodine (I)			

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<b>Land Location:</b>	SW-13-21-09-19W3	<b>NTS Map:</b>	72F/15
<b>UTM Coordinates:</b>	Z13 245558 E 5517261 N	<b>RM No.:</b>	79
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	27-Sep-83	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Garden Head	<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>	22.7	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
<b>Well Diameter:</b>		<b>Pumping Rate:</b>	
<b>WWRD #</b>	26598	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Eastend-Ravenscrag
<b>Laboratory:</b>		<b>Aquifer name:</b>	Eastend-Ravenscrag

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	56	Aluminum (Al)	
Magnesium (Mg)	33	Antimony (Sb)	
Sodium (Na)	174	As (arsenic) (µg/L)	
Potassium (K)	8	Barium (Ba)	
Carbonate (CO3)		Beryllium (Be)	
Bicarbonate (HCO3)	505	Boron (B)	
Sulphate (SO4)	245	Cadmium (Cd)	
Chloride (Cl)	7.2	Chromium (Cr)	
Fluoride (F)	0.08	Cobalt (Co)	
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.02	Copper (Cu)	
Total Iron (Fe)	0.8	Lead (Pb)	
Manganese (Mn)	0.01	Molybdenum (Mo)	
pH (pH units)	7.95	Nickel (Ni)	
Conductivity (uS/cm)	1140	Selenium (Se)	
Sum of Ions	1028	Silver (Ag)	
Total Dissolved Solids (TDS)		Strontium (Sr)	
Error in Balance (%)		Thallium (Tl)	
Hardness (as CaCO3)	274	Tin (Sn)	
Total Alkalinity (as CaCO3)	414	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-13-21-09-19W3	<b>NTS Map:</b>	72F/15
<b>UTM Coordinates:</b>	Z13 245558 E 5517261 N	<b>RM No.:</b>	79
<b>Ground Elevation:</b>		<b>Source:</b>	
<b>Date Sampled:</b>	4-Nov-05	<b>Time Sampled:</b>	
<b>Sample Location:</b>		<b>Sampled by:</b>	
<b>Well name:</b>	SWA Garden Head	<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>	22.7	<b>Date Drilled:</b>	
<b>Depth to Water:</b>		<b>Pump Setting:</b>	
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<b>WWRD #</b>	26598	<b>Construction method:</b>	
<b>Analysis No.:</b>		<b>Formation:</b>	Eastend-Ravenscrag
<b>Laboratory:</b>		<b>Aquifer name:</b>	Eastend-Ravenscrag

Constituent	Concentration	Constituent	Concentration
<b>Major Ions</b>		<b>Metals</b>	
Calcium (Ca)	51	Aluminum (Al)	0.0010
Magnesium (Mg)	39	Antimony (Sb)	< 0.0002
Sodium (Na)	220	As (arsenic) (µg/L)	< 0.0001
Potassium (K)	10	Barium (Ba)	0.01
Carbonate (CO3)	<1	Beryllium (Be)	< 0.0001
Bicarbonate (HCO3)	561	Boron (B)	0.04
Sulphate (SO4)	290	Cadmium (Cd)	< 0.0005
Chloride (Cl)	4	Chromium (Cr)	< 0.005
Fluoride (F)	0.05	Cobalt (Co)	0.0001
Nitrate - Nitrate (NO3, NO2 + NO3)	<0.04	Copper (Cu)	< 0.0002
Total Iron (Fe)	0.39	Lead (Pb)	< 0.0001
Manganese (Mn)	0.027	Molybdenum (Mo)	0.0003
pH (pH units)	8.03	Nickel (Ni)	0.0006
Conductivity (uS/cm)	1300	Selenium (Se)	< 0.0001
Sum of Ions	1175	Silver (Ag)	< 0.0001
Total Dissolved Solids (TDS)	893	Strontium (Sr)	0.16
Error in Balance (%)		Thallium (Tl)	< 0.0002
Hardness (as CaCO3)	288	Tin (Sn)	< 0.0001
Total Alkalinity (as CaCO3)	460	Titanium (Ti)	
		Uranium (U) (µg/L)	< 0.0001
Dissolved Organic Carbon (DOC)		Vanadium (V)	< 0.0001
Turbidity (NTU)	3.3	Zinc (Zn)	< 0.005
Perchlorate			
Iodine (I)	0.00059		

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