

Water Security Agency

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|--------------------------|---|-----------------------------|--------------------|
| Land Location: | NW-13-33-33-11W3 | NTS Map: | 72O/13 |
| UTM Coordinates: | Z13 326940 E 5750749 N | RM No.: | 316 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 8-Nov-67 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tessier | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 26 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 32791 | Construction method: | |
| Analysis No.: | | Formation: | Quaternary, undiff |
| Laboratory: | | Aquifer name: | Tessier aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 171 | Aluminum (Al) | |
| Magnesium (Mg) | 90 | Antimony (Sb) | |
| Sodium (Na) | 72 | As (arsenic) (µg/L) | |
| Potassium (K) | 7 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 451 | Boron (B) | |
| Sulphate (SO4) | 560 | Cadmium (Cd) | |
| Chloride (Cl) | 7 | Chromium (Cr) | |
| Fluoride (F) | | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | | Copper (Cu) | |
| Total Iron (Fe) | 0.44 | Lead (Pb) | |
| Manganese (Mn) | | Molybdenum (Mo) | |
| pH (pH units) | 7.3 | Nickel (Ni) | |
| Conductivity (uS/cm) | 1450 | Selenium (Se) | |
| Sum of Ions | 1358 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 795 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 370 | 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

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|--------------------------|---|-----------------------------|--------------------|
| Land Location: | NW-13-33-33-11W3 | NTS Map: | 72O/13 |
| UTM Coordinates: | Z13 326940 E 5750749 N | RM No.: | 316 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 31-May-70 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tessier | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 26 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 32791 | Construction method: | |
| Analysis No.: | | Formation: | Quaternary, undiff |
| Laboratory: | | Aquifer name: | Tessier aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 172 | Aluminum (Al) | |
| Magnesium (Mg) | 88 | Antimony (Sb) | |
| Sodium (Na) | 72 | As (arsenic) (µg/L) | |
| Potassium (K) | 7 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 449 | Boron (B) | |
| Sulphate (SO4) | 548 | Cadmium (Cd) | |
| Chloride (Cl) | 11 | Chromium (Cr) | |
| Fluoride (F) | | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | | Copper (Cu) | |
| Total Iron (Fe) | 2.6 | Lead (Pb) | |
| Manganese (Mn) | | Molybdenum (Mo) | |
| pH (pH units) | 7.35 | Nickel (Ni) | |
| Conductivity (uS/cm) | 1520 | Selenium (Se) | |
| Sum of Ions | 1347 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 788 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 368 | 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: | NW-13-33-33-11W3 | NTS Map: | 72O/13 |
| UTM Coordinates: | Z13 326940 E 5750749 N | RM No.: | 316 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 29-Aug-84 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tessier | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 26 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 32791 | Construction method: | |
| Analysis No.: | | Formation: | Quaternary, undiff |
| Laboratory: | | Aquifer name: | Tessier aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 154 | Aluminum (Al) | |
| Magnesium (Mg) | 95 | Antimony (Sb) | |
| Sodium (Na) | 74 | As (arsenic) (µg/L) | |
| Potassium (K) | 6.1 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 444 | Boron (B) | |
| Sulphate (SO4) | 552 | Cadmium (Cd) | |
| Chloride (Cl) | 9 | Chromium (Cr) | |
| Fluoride (F) | 0.29 | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | <0.02 | Copper (Cu) | |
| Total Iron (Fe) | 0.21 | Lead (Pb) | |
| Manganese (Mn) | 1.2 | Molybdenum (Mo) | |
| pH (pH units) | 7.63 | Nickel (Ni) | |
| Conductivity (uS/cm) | 1560 | Selenium (Se) | |
| Sum of Ions | 1334 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 773 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 364 | Titanium (Ti) | |
| | | Uranium (U) (µg/L) | |
| Dissolved Organic Carbon (DOC) | | Vanadium (V) | |
| Turbidity (NTU) | | Zinc (Zn) | |
| Perchlorate | | | |
| Iodine (I) | 0.034 | | |

All values in mg/L, unless indicated otherwise

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|--------------------------|---|-----------------------------|--------------------|
| Land Location: | NW-13-33-33-11W3 | NTS Map: | 72O/13 |
| UTM Coordinates: | Z13 326940 E 5750749 N | RM No.: | 316 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 21-Oct-84 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tessier | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 26 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 32791 | Construction method: | |
| Analysis No.: | | Formation: | Quaternary, undiff |
| Laboratory: | | Aquifer name: | Tessier aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 174 | Aluminum (Al) | |
| Magnesium (Mg) | 63 | Antimony (Sb) | |
| Sodium (Na) | 76 | As (arsenic) (µg/L) | |
| Potassium (K) | 5.5 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 398 | Boron (B) | |
| Sulphate (SO4) | 541 | Cadmium (Cd) | |
| Chloride (Cl) | 12 | Chromium (Cr) | |
| Fluoride (F) | 0.23 | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | <0.02 | Copper (Cu) | |
| Total Iron (Fe) | 0.23 | Lead (Pb) | |
| Manganese (Mn) | 1.2 | Molybdenum (Mo) | |
| pH (pH units) | 7.99 | Nickel (Ni) | |
| Conductivity (uS/cm) | 1420 | Selenium (Se) | |
| Sum of Ions | 1270 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 693 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 326 | 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: | NW-13-33-33-11W3 | NTS Map: | 720/13 |
| UTM Coordinates: | Z13 326940 E 5750749 N | RM No.: | 316 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 16-Nov-05 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tessier | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 26 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 32791 | Construction method: | |
| Analysis No.: | | Formation: | Quaternary, undiff |
| Laboratory: | | Aquifer name: | Tessier aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 171 | Aluminum (Al) | 0.0008 |
| Magnesium (Mg) | 90 | Antimony (Sb) | < 0.0002 |
| Sodium (Na) | 81 | As (arsenic) (µg/L) | 0.0003 |
| Potassium (K) | 6.3 | Barium (Ba) | 0.01 |
| Carbonate (CO3) | < 1 | Beryllium (Be) | < 0.0001 |
| Bicarbonate (HCO3) | 464 | Boron (B) | 0.16 |
| Sulphate (SO4) | 550 | Cadmium (Cd) | < 0.0005 |
| Chloride (Cl) | 10 | Chromium (Cr) | < 0.005 |
| Fluoride (F) | 0.24 | Cobalt (Co) | 0.001 |
| Nitrate - Nitrate (NO3, NO2 + NO3) | <0.04 | Copper (Cu) | < 0.0002 |
| Total Iron (Fe) | 2.6 | Lead (Pb) | < 0.0001 |
| Manganese (Mn) | 1.2 | Molybdenum (Mo) | 0.0014 |
| pH (pH units) | 7.82 | Nickel (Ni) | 0.0011 |
| Conductivity (uS/cm) | 1540 | Selenium (Se) | < 0.0001 |
| Sum of Ions | 1372 | Silver (Ag) | < 0.0001 |
| Total Dissolved Solids (TDS) | 1180 | Strontium (Sr) | 0.77 |
| Error in Balance (%) | | Thallium (Tl) | < 0.0002 |
| Hardness (as CaCO3) | 796 | Tin (Sn) | < 0.0001 |
| Total Alkalinity (as CaCO3) | 380 | Titanium (Ti) | |
| | | Uranium (U) (µg/L) | 0.021 |
| Dissolved Organic Carbon (DOC) | | Vanadium (V) | < 0.0001 |
| Turbidity (NTU) | 30 | Zinc (Zn) | < 0.005 |
| Perchlorate | | | |
| Iodine (I) | | | |

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