

Water Security Agency

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|--------------------------|---|-----------------------------|----------------------|
| Land Location: | SE-1-10-24-18W3 | NTS Map: | 72N/01 |
| UTM Coordinates: | Z13 259887 E 5658110 N | RM No.: | 228 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 13-Nov-65 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tyner | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 113.8 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 30584 | Construction method: | |
| Analysis No.: | | Formation: | Empress Group |
| Laboratory: | | Aquifer name: | Tyner Valley aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 129 | Aluminum (Al) | |
| Magnesium (Mg) | 73 | Antimony (Sb) | |
| Sodium (Na) | 598 | As (arsenic) (µg/L) | |
| Potassium (K) | 10 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 730 | Boron (B) | |
| Sulphate (SO4) | 1150 | Cadmium (Cd) | |
| Chloride (Cl) | 129 | Chromium (Cr) | |
| Fluoride (F) | | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | | Copper (Cu) | |
| Total Iron (Fe) | 2.55 | Lead (Pb) | |
| Manganese (Mn) | | Molybdenum (Mo) | |
| pH (pH units) | 7.8 | Nickel (Ni) | |
| Conductivity (uS/cm) | 3200 | Selenium (Se) | |
| Sum of Ions | 2819 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 621 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 598 | 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-1-10-24-18W3 | NTS Map: | 72N/01 |
| UTM Coordinates: | Z13 259887 E 5658110 N | RM No.: | 228 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 26-Aug-71 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tyner | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 113.8 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 30584 | Construction method: | |
| Analysis No.: | | Formation: | Empress Group |
| Laboratory: | | Aquifer name: | Tyner Valley aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 128 | Aluminum (Al) | |
| Magnesium (Mg) | 72 | Antimony (Sb) | |
| Sodium (Na) | 600 | As (arsenic) (µg/L) | |
| Potassium (K) | 12 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 712 | Boron (B) | |
| Sulphate (SO4) | 1150 | Cadmium (Cd) | |
| Chloride (Cl) | 141 | Chromium (Cr) | |
| Fluoride (F) | 0.06 | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | 1 | Copper (Cu) | |
| Total Iron (Fe) | 3.8 | Lead (Pb) | |
| Manganese (Mn) | | Molybdenum (Mo) | |
| pH (pH units) | 7 | Nickel (Ni) | |
| Conductivity (uS/cm) | 3090 | Selenium (Se) | |
| Sum of Ions | 2816 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 615 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 584 | Titanium (Ti) | |
| | | Uranium (U) (µg/L) | |
| Dissolved Organic Carbon (DOC) | | Vanadium (V) | |
| Turbidity (NTU) | | Zinc (Zn) | |
| Perchlorate | | | |
| Iodine (I) | | | |

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|--------------------------|---|-----------------------------|----------------------|
| Land Location: | SE-1-10-24-18W3 | NTS Map: | 72N/01 |
| UTM Coordinates: | Z13 259887 E 5658110 N | RM No.: | 228 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 24-Jul-78 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tyner | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 113.8 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 30584 | Construction method: | |
| Analysis No.: | | Formation: | Empress Group |
| Laboratory: | | Aquifer name: | Tyner Valley aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 120 | Aluminum (Al) | |
| Magnesium (Mg) | 76 | Antimony (Sb) | |
| Sodium (Na) | 617 | As (arsenic) (µg/L) | |
| Potassium (K) | 7.3 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 638 | Boron (B) | |
| Sulphate (SO4) | 1185 | Cadmium (Cd) | |
| Chloride (Cl) | 142 | Chromium (Cr) | |
| Fluoride (F) | 0.15 | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | 24.6 | Copper (Cu) | |
| Total Iron (Fe) | 14 | Lead (Pb) | |
| Manganese (Mn) | 0.15 | Molybdenum (Mo) | |
| pH (pH units) | 8.19 | Nickel (Ni) | |
| Conductivity (uS/cm) | 3191 | Selenium (Se) | |
| Sum of Ions | 2810 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 614 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 523 | 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-1-10-24-18W3 | NTS Map: | 72N/01 |
| UTM Coordinates: | Z13 259887 E 5658110 N | RM No.: | 228 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 28-Sep-83 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Tyner | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 113.8 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 30584 | Construction method: | |
| Analysis No.: | | Formation: | Empress Group |
| Laboratory: | | Aquifer name: | Tyner Valley aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 130 | Aluminum (Al) | |
| Magnesium (Mg) | 83 | Antimony (Sb) | |
| Sodium (Na) | 575 | As (arsenic) (µg/L) | |
| Potassium (K) | 7.4 | Barium (Ba) | |
| Carbonate (CO3) | | Beryllium (Be) | |
| Bicarbonate (HCO3) | 686 | Boron (B) | |
| Sulphate (SO4) | 1210 | Cadmium (Cd) | |
| Chloride (Cl) | 132 | Chromium (Cr) | |
| Fluoride (F) | 0.14 | Cobalt (Co) | |
| Nitrate - Nitrate (NO3, NO2 + NO3) | 0.03 | Copper (Cu) | |
| Total Iron (Fe) | 4.2 | Lead (Pb) | |
| Manganese (Mn) | 0.05 | Molybdenum (Mo) | |
| pH (pH units) | 7.9 | Nickel (Ni) | |
| Conductivity (uS/cm) | 3130 | Selenium (Se) | |
| Sum of Ions | 2823 | Silver (Ag) | |
| Total Dissolved Solids (TDS) | | Strontium (Sr) | |
| Error in Balance (%) | | Thallium (Tl) | |
| Hardness (as CaCO3) | 663 | Tin (Sn) | |
| Total Alkalinity (as CaCO3) | 562 | Titanium (Ti) | |
| | | Uranium (U) (µg/L) | |
| Dissolved Organic Carbon (DOC) | | Vanadium (V) | |
| Turbidity (NTU) | | Zinc (Zn) | |
| Perchlorate | | | |
| Iodine (I) | | | |

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