

Water Security Agency

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|--------------------------|---|-----------------------------|-------------------------|
| Land Location: | 06-64-25W3 | NTS Map: | 73K/12 |
| UTM Coordinates: | Z13 190429 E 6050608 N | RM No.: | 0 |
| Ground Elevation: | | Source: | |
| Date Sampled: | 10-Nov-05 | Time Sampled: | |
| Sample Location: | | Sampled by: | |
| Well name: | SWA Pierce No. #1 | Contractor: | |
| Well owner: | Water Security Agency | | |
| Address: | 111 Fairford Street East Moose Jaw, SK S6H 7X9 | Tel: | |
| Sample Depth: | 111.6 | Date Drilled: | |
| Depth to Water: | | Pump Setting: | |
| Well Diameter: | | Pumping Rate: | |
| WWRD # | 102409 | Construction method: | |
| Analysis No.: | | Formation: | Empress Group |
| Laboratory: | | Aquifer name: | Hatfield Valley aquifer |

| Constituent | Concentration | Constituent | Concentration |
|------------------------------------|---------------|---------------------|---------------|
| Major Ions | | Metals | |
| Calcium (Ca) | 85 | Aluminum (Al) | 0.0011 |
| Magnesium (Mg) | 32 | Antimony (Sb) | <0.0002 |
| Sodium (Na) | 269 | As (arsenic) (µg/L) | 0.025 |
| Potassium (K) | 7.5 | Barium (Ba) | 0.11 |
| Carbonate (CO3) | <1 | Beryllium (Be) | <0.0001 |
| Bicarbonate (HCO3) | 598 | Boron (B) | 0.46 |
| Sulphate (SO4) | 81 | Cadmium (Cd) | <0.0005 |
| Chloride (Cl) | 290 | Chromium (Cr) | <0.005 |
| Fluoride (F) | 0.14 | Cobalt (Co) | 0.0008 |
| Nitrate - Nitrate (NO3, NO2 + NO3) | <0.04 | Copper (Cu) | <0.0002 |
| Total Iron (Fe) | 2 | Lead (Pb) | <0.0001 |
| Manganese (Mn) | 0.073 | Molybdenum (Mo) | 0.013 |
| pH (pH units) | 7.94 | Nickel (Ni) | 0.0016 |
| Conductivity (uS/cm) | 1740 | Selenium (Se) | <0.0001 |
| Sum of Ions | 1363 | Silver (Ag) | <0.0001 |
| Total Dissolved Solids (TDS) | 1080 | Strontium (Sr) | 0.65 |
| Error in Balance (%) | | Thallium (Tl) | <0.0002 |
| Hardness (as CaCO3) | 344 | Tin (Sn) | <0.0001 |
| Total Alkalinity (as CaCO3) | 490 | Titanium (Ti) | 0.0008 |
| Dissolved Organic Carbon (DOC) | | Uranium (U) (µg/L) | 1.7 0.0017 |
| Turbidity (NTU) | 22 | Vanadium (V) | 0.0001 |
| Perchlorate | | Zinc (Zn) | <0.005 |
| Iodine (I) | | | |

All values in mg/L, unless indicated otherwise