



GEOLOGICAL SURVEY OF CANADA

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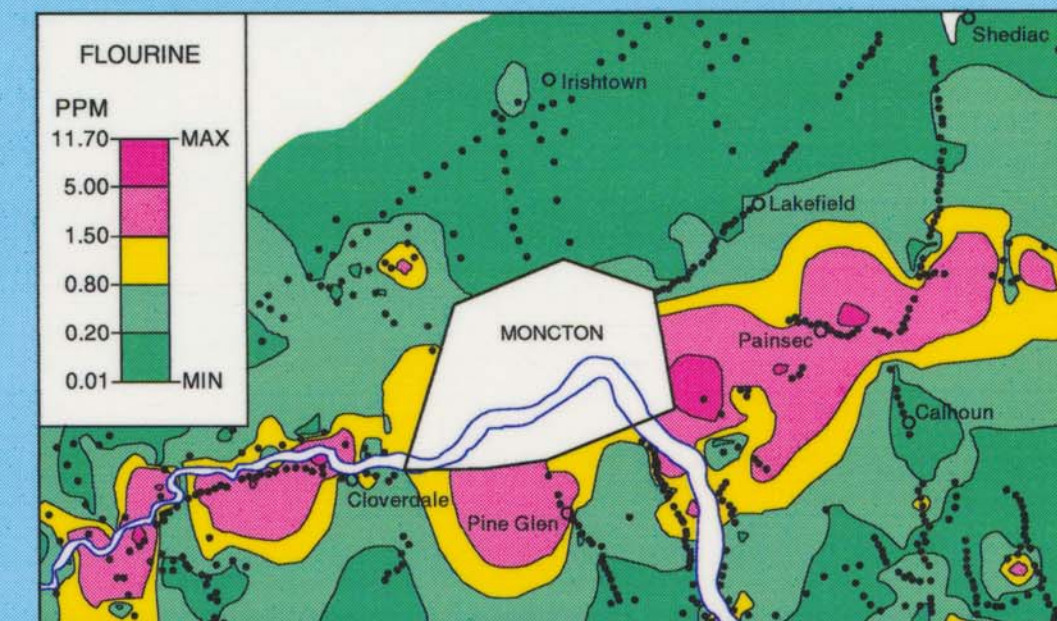
**GROUNDWATER HYDROGEOCHEMICAL SURVEY
OF SOUTHEASTERN NEW BRUNSWICK
(21I/1; 21I/2; 21I/3; 21H/14; 21H/15; 21H/16; 11L/4)**

**D. R. Boyle
W. A. Spirito
S. W. Adcock**

1994

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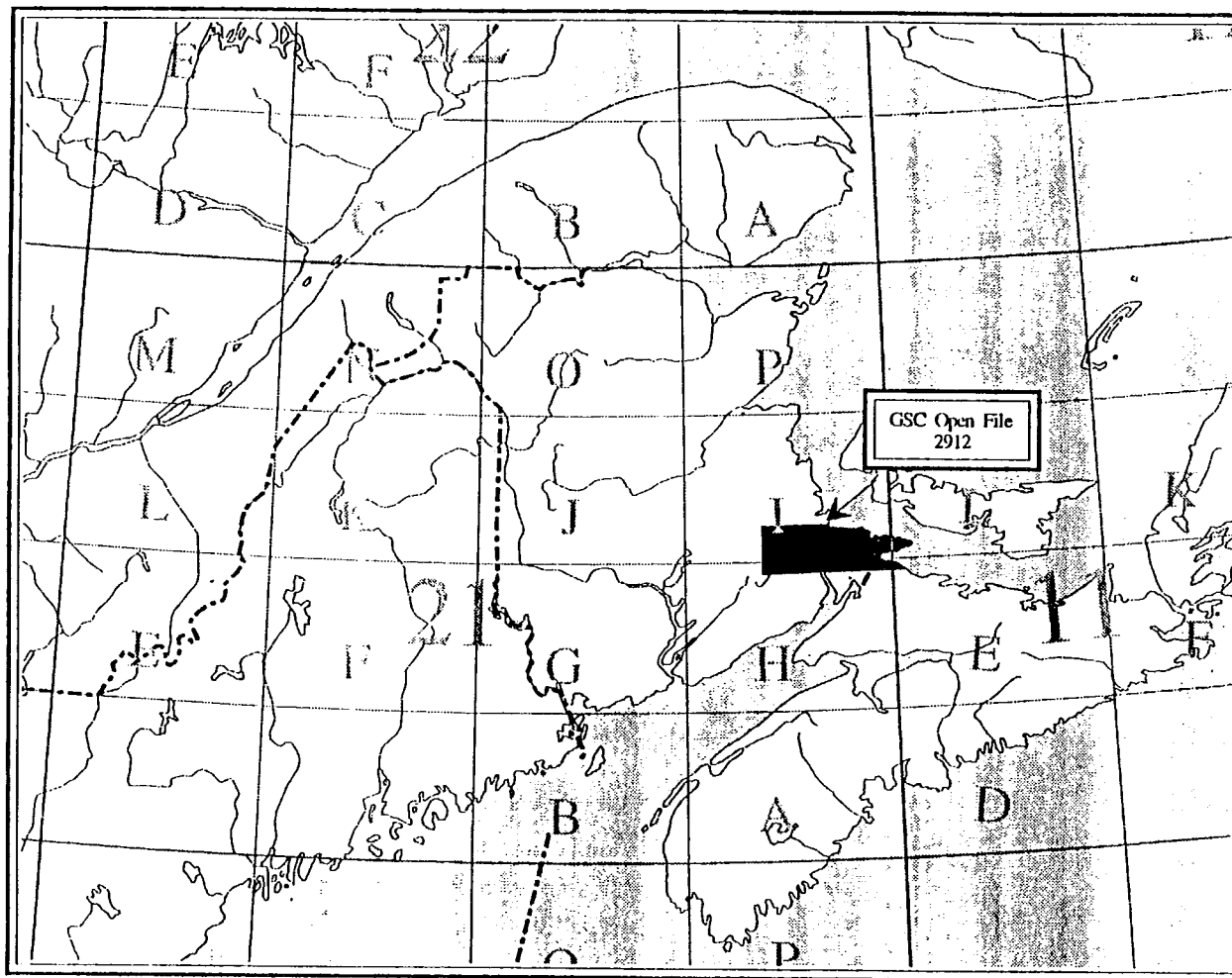
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Groundwater geochemical survey area, Southeastern New Brunswick

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MONCTON OPEN FILE

Introduction

This open file contains groundwater geochemical data from a detailed groundwater survey of southeastern New Brunswick (Moncton area) comprising NTS sheets 14L/4, 21I/1, 21I/2, 21I/3, 21H/14, 21H/15, and 21H/16. Reconnaissance sampling to establish analytical and sampling parameters was carried out in the summer of 1991. Detailed groundwater surveys were carried out in the months of July-August 1992 (south of Moncton) and 1993 (north of Moncton).

Included in this open file are field observations, sample coordinates, pH, conductivity, total dissolved solids, alkalinity, hardness, cationic-anionic balance error and concentration data for 27 elements, statistical summaries, analytical methodologies, geology map, 1:250,000 element distribution maps, and a 1:250,000 topographic overlay.

The data will be of use to municipalities in the area, land planners, environmental regulatory agencies, health officials, and mineral explorationists.

Credits

Survey design, supervision, sampling methodology and interpretation: D.R. Boyle

Sampling Assistance: S. Plunkett; S. Alvarado; S. Chapman; K. Besemann; L. Tulk.

Water Analysis: Analytical staff of Mineralogy and Chemistry Subdivision, Mineral Resources Division, Geological Survey of Canada.

Data Management and Computer Plotting: W. A. Spirito and S. W. Adcock

Survey Objectives

The groundwater program in the Moncton area was carried out with the following objectives:

1. Establishment of a groundwater hydrogeochemical database to be used in future land and water planning programs. The database can be used in such studies as a) health

risk assessments for drinking water, b) location of good quality municipal groundwater supplies, and c) baseline data for impact studies of new industrial and residential building developments.

2. Better delineation of a large groundwater fluoride anomaly detected in an earlier reconnaissance survey (Dyck et al., 1976).

3. Applications of groundwater geochemistry to geological mapping of lateral and vertical facies changes within Carboniferous clastic sediments underlying the region.

Survey Methodology

Sample Collection

Groundwater samples were generally taken from the kitchen taps of residential water supplies. Wells which had water treatment systems installed were coded as F (filter system) or S (softening system) under remarks in the data listings. For this survey, only 5% of the wells had conditioning systems and because one of the major objectives of the study was to determine the quality of water used in drinking, only the water used for drinking at all well sites was collected. Conditioned waters are flagged as an F (filtered) or S (softened) under remarks in the data listings.

After running the tap for 2-3 minutes, two 250 ml water samples were collected in linear polyethylene bottles. One of the samples was acidified with 0.5 ml concentrated nitric acid and used for major cation and trace metal analyses. The other was untreated and used for alkalinity and major and trace anion determinations. The samples were not filtered to avoid biasing measurements of total elemental intakes. Samples were refrigerated at 4°C until the analyses were completed.

Information on the type (e.g. drilled, dug), depth, and age of the well was recorded together with information on installed water treatment systems.

Analytical Methods

The pH and conductivity of each well water sample was measured on site using portable meters. The following analytical methods were used:

- Alkalinity by titration to an end point of 4.5.
- SO_4 , Cl, F, total N, and Br by ion chromatography.
- Na and K by atomic absorption (direct aspiration).
- As and Sb by hydride generation atomic absorption spectroscopy.
- Ca, Mg, SiO_2 , Al, Fe, Mn, Ba, Sr, B, Cu, Ni, Co, Zn, V, and Zr by ICP emission spectroscopy.
- Pb, Cd, and Li by graphite furnace atomic absorption spectroscopy.

Determination limits for the various elements are given in Table 1.

The concentration units used in this report are as follows:

mg/l = milligrams per liter = ppm = parts per million.

$\mu\text{g/l}$ = micrograms per liter = ppb = parts per billion.

Quality Control

Quality control was maintained by duplicate field sampling and the use of field, laboratory and international water standards. For every 20 samples, two randomly selected numbers were assigned for a duplicate groundwater sample and a field standard.

For the duplicate sampling program, scattergrams of the various elements and their correlation coefficients are presented in Figures 1 to 4. The elements Cd, Pb, Sb, Co and Zr are not included because 98% of their values fall below the determination limit. The duplicate data demonstrate excellent field sampling and laboratory analytical control for this study.

Two field standards were collected to represent the general matrix composition of groundwaters in the study area. Statistical data for these standards are presented in Table 2. For those elements present in concentrations above their determination limits, the standard deviation is generally well below 10% of the mean.

During laboratory analysis, accuracy and quality control were maintained by inserting artificial and international standards having known concentrations for most of the elements.

A further measure of quality control is the dispersion from theoretical zero of the charge balance for each water as most waters should display electroneutrality. A

dispersion of ± 5.00 for the balance error (see legend for formula) is considered good. All of the waters from the study area balance within this limit.

Geology and Hydrology

The Maritime Carboniferous Basin (MCB), of which the survey area is a part, is largely represented by a thick succession (up to 6000m) of Pennsylvanian non-marine fluvial, lacustrine and paludal sediments (Gusow, 1953; Van de Poll, 1966; Ball et al., 1981; Wilson and Ball, 1983). In New Brunswick, the MCB has been divided into two sub-basins of which the New Brunswick Platform is the largest. It is separated from the smaller Moncton Sub-Basin to the south by the Kingston Uplift.

Lower Pennsylvanian sedimentary formations in the MCB consist predominantly of grey quartzose sandstones and conglomerates with minor red, green and buff siltstones, calcareous argillites and feldspathic sandstones. Upper Pennsylvanian formations are comprised mainly of red to grey siltstones, feldspathic sandstones, and polymictic conglomerates. Sandstones are cemented mainly by hematite and/or carbonates. Organic sediments, in the form of carbonized plant debris as well as scattered and laterally extensive coal seams are ubiquitous in the upper formations and present in minor quantities in lower formations.

Most of the survey area is dominated by the late Pennsylvanian Pictou Group, the formations of which typically comprise rocks described above for the Upper Pennsylvanian (Wright, 1922; Carr, 1968; McCloed, 1980; Figure 5). In the south-central portion of the survey area, windows of Lower Carboniferous and Upper Devonian sedimentary rocks have been exposed by faulting and erosion (Greiner, 1962; Pickerill and Carter, 1980; St. Peter, 1987; Foley, 1989). Parts of this area to the west of the Peticodiac River have been developed for oil and gas (Howie, 1968). Over the Westmoreland Uplift, Pennsylvanian rocks lie directly on pre-Carboniferous basement rocks.

The entire area has been subjected to post-Carboniferous normal and reverse block faulting with predominant fault directions of NE-SW and NW-SE.

Groundwater hydrology in the area is controlled by both formational and structural (faults, fractures, joints, cleavage) elements of the bedrock. The complex structural/formational hydrology in this region and the presence of rapid lateral sedimentary facies changes typical of fluvial/lacustrine/paludal environments give rise to pronounced changes in groundwater quality over very short distances (< a few km).

Previous groundwater resource studies in the immediate vicinity of Moncton were carried out by Carr(1961).

Map Production and Data Handling

The maps are all drawn using the Universal Transverse Mercator projection. The Applied Geochemistry Subdivision's SPARCMAP geochemical mapping software, built around the commercial UNIRAS library of graphics subroutines, was used to create the maps.

The coastline, drainage, sample points and towns were digitized from the 1:250000 NTS topographic maps.

For plotting and statistical purposes, analytical values of "less than detection" were converted to half the detection limit.

The sample sites are very irregularly distributed, making contouring a difficult task. The procedure can be split into two parts:

Part 1: Gridding/Interpolation

The gridding of the data is performed by the UNIRAS subroutine GINTP1. The following description is taken from the UNIRAS documentation. GINTP1 interpolates from a set of irregularly distributed data points to a regular grid of points by a combination of distance weighting and quadratic methods. The approximation has four steps:

1. Let S denote the set of analytical data. Each data point has an x-y coordinate (the sample location). The grid network size is set to 1 km square. For each point in S the closest grid node is located, and the function value at the node is set equal to the value of the data point. If several data points are assigned to the same grid node, the node value is set equal to the average of the data points.
2. For each grid node which has not been assigned a value in the previous step, neighboring grid nodes (which have been assigned a value) are used in an interpolation formula to generate the function value at the node. A distance weighted average procedure is used.

The purpose of weighted average interpolation is to estimate the value of a bivariate function at an arbitrary point (x_0, y_0) when the function value is known at the points belonging to a finite set S . Let (a_i, b_i) for $i=1, 2, 3, 4$, be the point which, among all points (a, b) in S such that $(a-x_0, b-y_0)$ belongs to the i 'th quadrant, is closest to (x_0, y_0) . Let d_i denote the square of the distance from (x_0, y_0) to (a_i, b_i) and let c_i denote the function value at (a_i, b_i) . Now put

$$w = 1/d_1 + 1/d_2 + 1/d_3 + 1/d_4$$

Then the function value z_0 at the point (x_0, y_0) is estimated by

$$z_0 = 1/w * (c_1/d_1 + c_2/d_2 + c_3/d_3 + c_4/d_4)$$

All nodes which have been assigned values are used in the interpolation. [The above equations are then generalized to $i=1, \dots, n$; as written, they apply to the special case of selecting the one data point within each quadrant which is closest to the grid node.]

3. The grid is smoothed by quadratic interpolation. At each grid node the slope components are calculated from the closest data point and those found within a specified distance of the grid node. Quadratic interpolations are performed for the slope components. This process tends to continue surface slope which is supported by data points into void data areas. It may produce local maxima or minima which are outside the range of surrounding data point Z values.

Specifically, let G be a grid node, let R_1 be the distance from G to the nearest data point, and put R_2 equal to $1.25 * R_1$. Compute the averages Z_1 and Z_2 of the grid node values on two approximate circle circumferences, both with G as centre and with radii R_1 and R_2 , respectively. Put

$$Z_3 = (R_2^2 * Z_1 - R_1^2 * Z_2) / (R_2^2 - R_1^2)$$

Then the value Z_{NEW} , which replaces the value Z_{OLD} at the node G is given by:

$$Z_{NEW} = Z_{OLD} + 0.15 * (Z_3 - Z_{OLD})$$

The value of Z_{NEW} is computed iteratively eight times for every grid point.

4. In the final step, a smoothing operation is performed by a two-dimensional filter applied to the grid. The filter is designed to reduce the surface curvature in sparse data areas while maintaining the quality of the interpolation results around the input data points.

All points lying inside a circle of the same radius as the distance from the grid node to the nearest irregular data point are used in the calculation of an average value:

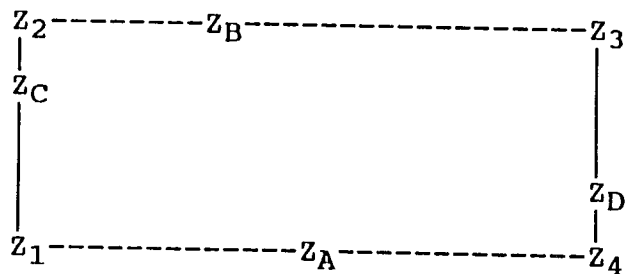
$$Z_{xy} = 1/n * \sum_{n=1}^n (Z_n * 1/R_n^3)$$

where n is the number of grid nodes inside the circle and Z_n and R_n are the value and distance respectively from grid node Z_n to the grid node Z_{xy} .

The calculation is repeated three times.

Part 2: Contouring:

The contouring is performed by the UNIRAS subroutine GCNR2S. For each cell, the four corner values are fixed by the preceding gridding/interpolation procedure. GCNR2S interpolates values along the edges of each cell in order to produce smooth contour lines. The interpolation method is illustrated below where points Z_A - Z_D are interpolated from the four corners of a grid cell of input values Z_1 - Z_4 .



$$Z_A = Z_1 + (X_A - X_1) / (X_4 - X_1) * (Z_4 - Z_1)$$

Additional smoothing is produced by fitting a hyperbola to the two corresponding points on the cell edges where a contour line enters and leaves the cell. The contour line will follow the hyperbola as closely as the resolution of the output device permits.

The interpolation/contouring procedure produces a contoured surface for the whole map area. The confidence one has in this surface decreases with distance from the original data. Therefore, contours are not shown for areas more than 4 km from the nearest data point.

Contour intervals for TDS, pH, alkalinity, SiO_2 , Ca, Mg, Na, K, Sr, Ni, Li, and Zn are based on 25, 50, 75, 90 and 95th percentiles. Intervals for Al, B, Br, V, Co and Zr are similar except the bottom 25th and 50th groups have been combined since they largely represent data at or below determination limits. Intervals for SO_4 , Cl, TotN, As, Fe, Mn, Cu and Ba were chosen using the above percentiles but, with the exception of Mn, the maximum acceptable drinking water concentrations were chosen as the lower limit of the upper class. For Mn, because much of the data exceed recommended drinking water levels, the higher range of values is accentuated. Because of very low data contrast, levels for Pb were chosen at approximately 50, 75, and 90 percentile concentrations with the drinking water guideline representing the bottom limit of the upper contour level. For total hardness, the levels were chosen based on widely accepted intervals of soft (0-60), moderately hard (60-120), hard (120-180), and very hard (>180). For F, the contour levels accentuate the dispersion of the data both above (>1.5 ppm) and below (<0.8 ppm) recommended levels for prevention of dental mottling/skeletal fluorosis and dental caries (cavities) respectively.

It must be noted that, because of the nature of the sample site distribution and the use of electronic contouring, the distribution maps are meant to show only significant regional trends. Each cell is given an area of influence of 4 km and any attempts to calculate concentrations levels at a particular site from the distribution maps is to be discouraged.

Elemental Distributions

Detailed descriptions of elemental distributions and correlations, and factors controlling them, will be given in a later Geological Survey of Canada publication. Only the major features related to concentration levels, distributions, and correlations are presented.

Note: Drinking water guidelines presented below are based on the latest Guidelines for Canadian Drinking Water Quality (5th edition, 1993) published by Health and Welfare Canada. Percentages of households exceeding limits are based on a total population of 973 residential wells sampled.

pH

The pH of Moncton area groundwaters varies from 4.72 to 9.62. There are a number of clearly defined areas (west of Memramcook East; north of Hillsborough; Robichaud area; east of Cape Tormentine) where pH is less than neutral. Some of these areas may be sensitive to the effects of acid precipitation. Most of the study area, however, is underlain by groundwaters of alkaline composition.

The aesthetic objective limits for pH of drinking water have been set at 6.5-8.5. Nineteen percent (141) of households exceed this range and 16% (153) fall below it.

Total Dissolved Solids

Total dissolved solids concentrations vary from 21 to 4862 mg/l. Some of the high TDS areas may be related to present and post-glacial marine incursions into the groundwater regimes (e.g. Peticodiac River basin, coastal areas). TDS patterns in the inland portions of the area are most likely due to chemical facies changes within the Carboniferous sedimentary formations.

The aesthetic (palatability) objective limit for TDS is 500 mg/l. Eleven percent (110) of household wells exceed this limit.

Alkalinity

Alkalinity, expressed as equivalent mg/l CaCO_3 , varies from 3.5 to 641.2 mg/l. Overall, groundwaters in the Moncton area display moderate to low alkalinity. Areas of anomalous alkalinity (> 215 mg/l) correlate strongly with anomalous fluoride and sodium areas (see Na and F maps).

Total Hardness

Total hardness, expressed as equivalent mg/l CaCO_3 , varies from 1 to 706 mg/l and largely reflects the combined distributions of Ca and Mg. Much of the region is characterized by moderate to low total hardness. Areas of high total hardness (> 120 mg/l) probably represent sedimentary formations containing anomalous concentrations of calcareous and/or evaporitic sediments.

Groundwater hardness may have an impact on the efficiencies of household cleansing systems and on the production of certain industrial products (e.g. textiles, plating

products, canned foods). Thirty one percent (306) of the well waters in the Moncton area can be classed as hard (120-180 mg/l) to very hard (>180 mg/l).

Calcium

Calcium in groundwaters varies from 0.2 to 266.6 mg/l. The patterns for calcium correlate very closely with those for total hardness. Areas of anomalously low calcium commonly correlate with areas of high fluoride, and are the result of strong cation exchange processes between groundwaters and sediments (Ca, and Mg for Na; compare Ca and F maps). Anomalously high calcium areas probably correlate with areas underlain by rocks with relatively higher concentrations of calcareous sediments and/or gypsum.

Calcium in drinking water does not have a maximum acceptable concentration guideline.

Magnesium

Magnesium levels vary from nondetectable (< 0.01) to 60.1 mg/l. The patterns shown for Mg are almost identical to those of calcium reflecting their mutual coexistence in calcareous and evaporitic sedimentary environments and their similar cation exchange properties.

Magnesium in drinking water does not have a maximum acceptable concentration guideline.

Sodium

Sodium levels vary from 1 to 1666 mg/l. With few exceptions, anomalous sodium patterns correlate strongly with those of high fluorine and low calcium and magnesium. The process leading to this relationship is one of combined cation and anion exchange (Boyle, 1992). With the exception of perhaps the area west of Hillsborough and the area south of Midgic, the presence of salt deposits in the Carboniferous sediments is not evident.

Sodium has an aesthetic objective limit of 200 mg/l. Six percent (55) of the wells in the Moncton area exceed this limit.

Potassium

Potassium varies in concentration from 0.1 to 50 mg/l. Areas of high potassium probably outline sedimentary facies that are more feldspathic and/or mica-rich than the 'average' sedimentary rock of the region. Areas where potassium is low in concentration probably correspond to sediments that are more siliceous, ferromagnesian, or clay-rich than the average rock composition.

Potassium in drinking water does not have a maximum acceptable concentration guideline.

Chloride

Chloride varies in concentration from 1 to 2664 mg/l. Areas of anomalous chloride correspond to areas of high sodium and may reflect a) the presence of intercalated marine sediments within the largely continental Carboniferous clastic sediments of the region, b) the occurrence of salt deposits, c) areas within the seawater-groundwater interface, or d) the effects of postglacial marine incursions.

The aesthetic objective limit for chloride in drinking waters is 250 mg/l. Six percent (52) of the wells in the Moncton area exceed this limit.

Sulfate

Sulfate varies in concentration from 0.1 to 812 mg/l. A broad area of moderately high sulfate surrounds a central area of low sulfate. Areas of high sulfate may represent the occurrence of marine sediments such as evaporites whereas other anomalies may be the result of oxidation of sulfide-bearing sediments.

The aesthetic objective limit for sulfate in drinking waters is 500 mg/l. Only 3 wells in the Moncton area exceed this limit.

Silica

Silica concentrations vary from 3.7 to 32.7 mg/l. Levels of silica in groundwaters, within the narrow temperature range observed for the Moncton groundwaters, are affected largely by rock type. Formations composed of more pristine feldspar-ferromagnesian-mica minerals (e.g. conglomerates, sandstones) produce higher levels of silica than the more mature clay formations (e.g. mudstones, siltstones). The silica

patterns in the Moncton area show a distinct break in rock type north of the Peticodiac River. This area is also characterized by anomalous levels of other elements (Ca, Sr, B, Zr, Ni, and Co).

Silica in drinking water does not have a maximum acceptable concentration guideline.

Aluminium

Aluminium levels vary from <10 to 1367 $\mu\text{g/l}$. Concentration of this element is controlled by pH (amphoteric properties) and silica (formation of secondary clays). It is also complexed by fluoride. Its distribution, therefore, is controlled more by secondary water-rock interaction processes than by specific changes in rock types.

Aluminium in drinking water does not have a maximum acceptable concentration guideline.

Fluorine

Fluorine varies in concentration from 0.01 to 11.7 mg/l. A linear string of groundwater fluorine anomalies stretches through the central portion of the region from Shaftsbury to east of Shemogue, with smaller anomalies occurring in the St Joseph area. These anomalies correlate with areas of high alkalinity and sodium, and low calcium and magnesium. They appear to evolve from Ca-Mg-HCO₃ groundwaters as the result of cation (Ca, Mg exchange for Na) and anion (OH for F) exchange processes related to specific rock characteristics (Boyle, 1992). Much of the rest of the region contains quite low concentrations of fluorine (<0.20 mg/l).

The federal maximum acceptable concentration guideline for fluoride in drinking water is set at 1.5 mg/l. For the Moncton area, 12% (116) of the rural wells contain fluoride levels exceeding this limit. In a number of cases the limit was exceeded by a factor of 5 to 10. Similar large groundwater fluoride anomalies occur in other parts of the Maritime Carboniferous Basin (Boyle, 1992; Boyle and Chagnon, 1994).

Boron

Boron concentrations vary from 15 to 1641 $\mu\text{g/l}$. The principal mineral sources for this element in sedimentary basins are biotite, and amphiboles. The element may also be concentrated in certain types of evaporitic deposits as well as ocean water. Marine sediments generally contain higher levels of the element than non-marine clastic sediments. Anomalous concentrations of boron in the Hillsborough and St. Joseph areas correlate with anomalies shown for Na, Cl and Br and thus may reflect the presence of intercalated marine sediments and evaporites in the Lower Carboniferous and Upper Devonian sediments of this region. Many boron anomalies occur in areas unsupported by Na, Cl and Br anomalies, such as the area north of the Peticodiac River, and are probably a reflection of lateral and vertical facies changes within the continental sediments.

None of the boron values in this region exceed the federal maximum acceptable concentration guideline of 5.0 mg/l and thus pose no risk to health. Groundwaters containing more than 500 $\mu\text{g/l}$ can be toxic to certain fruit (apple, pear, plum) and vegetable (peppers, pumpkin, corn, radish) crops if used for irrigation.

Bromine

Bromine concentrations vary from <50 to 26,950 $\mu\text{g/l}$. Anomalous patterns for this element correlate strongly with those of Na, Cl, and Sr. The principal source of bromine in groundwaters is the leaching of sediments of marine origin and the incursion of present and postglacial seawater into groundwater regimes. The element is, therefore, a sensitive indicator of the presence of intercalated marine sediments within the largely continentally derived clastic formations of the area or a history of seawater incursions.

There are no guideline directives for bromine in drinking water.

Total Nitrogen

The combined concentrations of nitrate and nitrite in groundwaters expressed here as total nitrogen (N) varies in concentration from <0.05 to 17.2 mg/l. Nitrogen is an essential element to plant growth and also plays a major role in the decay of organic matter. The concentration of nitrogen in groundwaters can be achieved by both natural and anthropogenic processes. Generally, the major anthropogenic sources of this element in groundwaters are agricultural and domestic use of fertilizers and leakage of septic system fluids into groundwater capture zones of domestic wells.

The federal maximum acceptable concentration guideline for total nitrogen in drinking waters is set at 10 mg/l. In many developed rural areas of North America this limit is often exceeded, especially in agricultural communities. In the Moncton area only 8 out of 973 residences sampled had groundwater nitrogen concentrations exceeding the above guideline. It should be noted that these are 'one time' analyses and this element can vary considerably in concentration depending on the time of sampling. Therefore, follow-up of anomalous wells is, therefore, warranted before making any judgments with regard to remediation.

Iron

Iron concentrations vary from <7 µg/l to 29,040 µg/l. Groundwaters in the Maritime Carboniferous Basin (MCB) are well known for their high iron and manganese concentrations and the Moncton area is no exception. Many of the rock units in the MCB contain iron oxides as interstitial cements while others contain abundant amounts of diagenetic iron sulfides (pyrite, marcasite). Areas of high iron content in groundwaters probably represent formations where these rock units are abundant.

Iron has an aesthetic objective limit of 300 µg/l based on its ability to discolor clothing and plumbing fixtures, cause scaling in pipes, and render an objectionable taste to waters. Fifteen percent (142) of the Moncton area wells exceed this limit.

Manganese

Manganese concentrations vary from <1 to 6211 µg/l. Manganese oxides of diagenetic origin often coat fractures in rocks of the MCB and this is probably the primary source of this element. Ferromagnesian minerals such as biotite and amphibole may also contribute Mn to groundwaters. Most of the manganese groundwater anomalies in the Moncton region also correspond to areas of high iron content making groundwaters in these areas very poor in quality.

Manganese has an aesthetic objective limit of 50 µg/l based on the same criteria described above for iron. Thirty two percent (309) of the wells in the Moncton area exceed this limit.

Copper

Copper varies in concentration from <7 to 6305 $\mu\text{g/l}$. The primary source of copper entering groundwaters is copper-bearing sulfide mineralization associated with the sandstone and conglomerate members of the Carboniferous formations. Although the tap from which each sample was taken was allowed to run for 2-3 minutes before sampling, the possibility of copper anomalies related to leaching from copper piping should not be overlooked. The southern part of the Moncton area, which is known to be a redbed Cu mineralization province (McLoed and Ruitenberg, 1978), is characterized by anomalous groundwater copper concentrations. The anomalous area between Robichaud and Shemogue is not presently known to contain copper mineralization. There are a number of smaller anomalies that may be related to bedrock mineralization.

Copper has an aesthetic objective limit of 1000 $\mu\text{g/l}$. All of the groundwaters in the Moncton area fall below this limit.

Zinc

Zinc concentrations vary from <5 to 7927 $\mu\text{g/l}$. The primary source of zinc in groundwaters is sulfide bedrock mineralization. Anomalous zinc patterns are similar to those of copper and are thus probably related to redbed type sulfides in coarser clastic units of the Carboniferous sediments.

Zinc has an aesthetic objective limit for drinking water of 5,000 $\mu\text{g/l}$. All of the well waters in the Moncton area fall below this limit.

Lead

Lead values vary from <1.0 to 29.0 $\mu\text{g/l}$. The primary sources of lead are sulfide mineralization in the Carboniferous sediments and lead-based components of household plumbing. Because none of the anomalous patterns shown on the lead distribution map correspond to other base metal anomalies, leaching of lead from plumbing systems or industrial contamination of groundwater are probably the principal causes of lead enrichment in some Moncton area groundwaters.

The maximum acceptable concentration for lead in drinking water is 10 $\mu\text{g/l}$. Only 9 households out of 973 wells exhibited lead values greater than this limit, indicating that the groundwaters of the Moncton area are not very aggressive in mobilizing lead from household plumbing systems. Because of the 'one time' nature of the sampling

program in this area, anomalous concentrations of lead do not represent average daily or yearly intakes. Follow-up of these areas is warranted.

Cadmium

Cadmium concentrations in groundwater vary from <1 to 58 $\mu\text{g/l}$. A cadmium distribution map is not presented because 98% of the data falls below the determination limit of 1.0 $\mu\text{g/l}$. The principal sources of cadmium are mineralized bedrock (Pb-Zn-Cu), cadmium-bearing components of plumbing systems, and industrial contamination of groundwater supplies.

The maximum acceptable concentration for cadmium in drinking water is 5.0 $\mu\text{g/l}$. Only one household exhibited cadmium values greater than this limit indicating that the groundwaters of the Moncton area are not very aggressive in mobilizing of cadmium from household plumbing systems. Because of the 'one time' nature of the sampling program in this area, anomalous concentrations of cadmium do not represent average daily or yearly intakes. Follow-up of these areas is warranted.

Arsenic

Arsenic in Moncton area groundwaters varies from <0.2 to 49.1 $\mu\text{g/l}$. Principal sources for arsenic are sulfide mineralization in the Carboniferous sediments (Cu-Pb-Zn enrichments) and contamination from industrial and agricultural activity. Some of the arsenic groundwater anomalies correspond to anomalous patterns for Cu, Zn and Ni and may therefore be useful in confirming the presence of sulfide enrichments in the Carboniferous sediments.

The maximum acceptable concentration for arsenic in drinking water is 25 $\mu\text{g/l}$. Only 3 wells exhibit arsenic concentrations greater than this limit. Because of the 'one time' nature of the sampling program in this area, anomalous concentrations of arsenic do not represent average daily or yearly intake. Follow-up of these anomalous areas is warranted.

Antimony

Antimony concentrations in groundwater vary from <1 to 11 $\mu\text{g/l}$. An antimony distribution map is not presented since 98% of the data is at or below the determination limit of 1.0 $\mu\text{g/l}$.

Guidelines for the concentration of antimony in drinking water have not been established.

Nickel

Nickel concentrations in groundwater vary from <13 to 289 $\mu\text{g/l}$. Nickel may be released to groundwaters through the oxidation of sulfides (e.g. pyrite, pentlandite, pyrrhotite), and the weathering of ferromagnesian minerals such as amphibole, pyroxene, olivine, and biotite. Metal plating operations, burning of fossil fuels and waste incineration may contribute anthropogenic nickel to groundwater regimes. A number of broad anomalous patterns as well as a few isolated anomalies exist for nickel. Most of these are supported by magnesium, cobalt and vanadium anomalies and it is probable therefore that they outline areas where the underlying Carboniferous sediments are rich in ferromagnesian and/or sulfide minerals.

A maximum acceptable concentration for nickel in drinking water has not been established.

Cobalt

Cobalt concentrations in groundwaters vary from <4.0 to 132 $\mu\text{g/l}$. With few exceptions, the anomalous patterns for cobalt correspond closely to those of nickel and the comments made for nickel would therefore apply to cobalt as well.

A maximum acceptable concentration for cobalt in drinking water has not been established.

Vanadium

Vanadium concentrations in groundwater vary from <2.0 to 5040 $\mu\text{g/l}$. Carbonaceous material, certain shales, and carnotite (K-U-V mineral) mineralization associated with sandstone-type uranium deposits are primary sources of vanadium in sedimentary environments. A number of sandstone-type uranium occurrences have been discovered in the Maritime Carboniferous Basin and exploration for this element was quite active in the 70's and early 80's. Two large groundwater vanadium anomalies are present in the region, one stretching north from Memramcook East to Shediac and the other along the southern coast of Cape Tormentine. Both of these anomalies coincide with large radon anomalies outlined by a low density groundwater geochemical reconnaissance survey of the central portion of the MCB (Dyck et al., 1976). The coastal Cape Tormentine vanadium

anomaly corresponds to a uranium anomaly outlined by the Dyck et al. survey, but there is no similar uranium enrichment in groundwaters associated with the central vanadium anomaly. Sandstone-type vanadium deposits largely devoid of uranium occur in sedimentary basins of the central U.S.A.

A maximum acceptable concentration for vanadium in drinking water has not been established.

Barium

Barium concentrations in groundwater vary from <3.0 to 15,780 $\mu\text{g/l}$. Barium may enter groundwaters as the result of alteration of feldspar and micaceous minerals to clays and from the dissolution of barite. Distribution patterns for barium are difficult to interpret because uptake in groundwaters is strongly affected by solubility limiting effects of sulfate (low solubility of BaSO_4), solubility-enhancing effects of Na, K, Ca and Mg, adsorption and coprecipitation processes with iron and manganese, and the strong cation exchange tendencies for this element on clays and organic matter.

The maximum acceptable concentration of barium in drinking water is 1,000 $\mu\text{g/l}$ based on its possible negative effects on the cardiovascular system. Four percent (37) of the wells in the Moncton area display barium levels above this limit.

Strontium

Strontium concentrations in groundwaters vary from 6.0 to 34,170 $\mu\text{g/l}$. In sedimentary environments strontium may be concentrated in groundwaters as the result of dissolution of evaporite deposits (strontianite and celestite) and the alteration of feldspathic and micaceous minerals to clays. Most of the strontium groundwater anomalies correspond to similar anomalies for Cl, Br and Na and are probably related to the presence of intercalated marine sediments and/or evaporites in the largely continental Carboniferous sediments. The large strontium anomaly northwest of the Peticodiac River is not supported by significant Na, Cl or Br anomalies and may therefore be related to a clastic sedimentary assemblage characteristically different from other formations in the region.

A maximum acceptable concentration for strontium in drinking water has not been established.

Lithium

Lithium concentrations in groundwater vary from <1.0 to 204 µg/l. Lithium enters groundwaters mainly through the weathering of alumino-silicate minerals, especially Li-bearing micas such as muscovite and lepidolite. Lithium in groundwaters of the Moncton region displays a number of sporadic small anomalies which do not correlate with any of the other elements. Lithium anomalies are most likely related to localized increases in the abundance of muscovite which is the primary Li-bearing mineral in these types of sediments.

A maximum acceptable concentration for lithium in drinking water has not been established.

Zirconium

Zirconium concentrations in groundwaters vary from <3 to 44 µg/l. Zirconium is a relatively immobile element during weathering processes and anomaly contrasts in groundwaters are therefore quite low. Since the principal mineral of zirconium (zircon) is very stable, enrichments of this element in groundwaters is most likely due to abundance of more Zr-rich mafic minerals in the sediments. The northern coastal area of the region contains a number of groundwater zirconium anomalies.

Zirconium is not considered to be a health hazard and drinking water guidelines are therefore not warranted.

Legend for Data Listings

The following codes apply to the data listings:

Remarks - S - a water softener is installed.
 - F - a filtering system is installed.

Well Type - D - drilled well.
 - S - surface spring or dug well.
 - U - well type unknown.

$$\text{Balance Error (\%)} = \frac{\text{sum cation milliequivalents} - \text{sum anion milliequivalents}}{\text{sum anion milliequivalents} + \text{sum cation milliequivalents}} \times 100$$

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Table 1. Units of measure and determination limits for elements analyzed in Moncton area groundwaters.

Element		Units of Measure	Determination Limit
Calcium	Ca	mg/l	0.01
Magnesium	Mg	mg/l	0.03
Sodium	Na	mg/l	0.1
Potassium	K	mg/l	0.1
Chlorine	Cl	mg/l	0.05
Sulphate	SO ₄	mg/l	0.05
Silica	SiO ₂	mg/l	0.01
Aluminium	al	µg/l	20
Fluorine	F	mg/l	0.02
Bromine	Br	µg/l	50
Boron	B	µg/l	35
Total Nitrogen	Total N	µg/l	25
Iron	Fe	µg/l	7
Manganese	Mn	µg/l	1
Copper	Cu	µg/l	7
Zinc	Zn	µg/l	5
Lead	Pb	µg/l	1
Cadmium	Cd	µg/l	1
Arsenic	As	µg/l	0.2
Antimony	Sb	µg/l	1
Nickel	Ni	µg/l	13
Cobalt	Co	µg/l	8
Vanadium	V	µg/l	2
Zirconium	Zr	µg/l	3

Table 2 Statistics for two field standards (M-1, M-2) used in the Moncton area groundwater survey.

Parameter	Standard M-1 (n = 43)					Standard M-2 (n = 13)				
	Min.	Max.	Mean	Stnd. Dev.	C.V. ^{1.}	Min.	Max.	Mean	Stnd. Dev.	C.V. ^{1.}
Ca (ppm)	45.4	52.5	48.6	1.8	0.037	19.8	22.2	21.4	0.7	0.034
Mg (ppm)	6.1	7.2	6.6	0.3	0.045	2.3	2.5	2.4	0.1	0.017
Na (ppm)	23.6	37.0	32.5	3.1	0.094	26.7	55.1	50.6	7.5	0.148
K (ppm)	2.5	4.5	3.3	0.5	0.142	0.9	1.3	1.1	0.1	0.117
Cl (ppm)	5.9	6.8	6.3	0.2	0.031	6.1	6.5	6.2	0.1	0.020
SO ₄ (ppm)	2.5	3.4	3.1	0.2	0.073	7.5	7.9	7.7	0.1	0.017
Alk (ppm CaCO ₃)	201.9	218.7	210.4	4.5	0.021	108.6	165.7	155.5	14.4	0.093
Tot-N (ppb)	82.0	122.0	101.8	10.4	0.102	15.0	24.0	19.9	2.9	0.147*
F (ppb)	570	670	620	25	0.040	70	80	76	0.5	0.066
B (ppb)	101	162	130	19	0.150	15	74	48	20.0	0.411
Br (ppb)	25	57	27	8	0.299*	25	59	30	12	0.417*
SiO ₂ (ppm)	8.2	10.3	9.3	0.5	0.049	10.8	13.1	12.0	0.7	0.060
Al (ppb)	10	58	23	15	0.644*	10	37	12	7.5	0.620*
Fe (ppb)	657	883	774	62	0.080	25	46	36	7.3	0.200
Mn (ppb)	272	377	290	17	0.057	133	143	139	2.9	0.021
Cu (ppb)	3	23	8	6	0.684*	3	15	5	3	0.739*
Pb (ppb)	0.5	5.0	0.6	0.7	1.083*	0.5	0.5	0.5	0.0	0.000*
Zn (ppb)	43	77	58	9	0.150	2	9	5	3	0.530*
Cd (ppb)	0.5	1.0	0.5	0.1	0.204*	0.5	0.5	0.5	0.0	0.000*
Ni (ppb)	22	57	33	7	0.226	6	34	8	7	0.952*
Co (ppb)	4	24	6	4	0.668*	4	4	4	0	0.000*
As (ppb)	0.9	1.7	1.3	0.2	0.175	0.1	0.1	0.1	0	0.000*
Sb (ppb)	0.5	1.0	0.5	0.5	0.269*	0.5	1.0	0.5	0.1	0.258*
V (ppb)	1	9	3	2	0.845*	1	3	1	0.8	0.574*
Ba (ppb)	791	938	867	35	0.040	168	185	180	4	0.024
Sr (ppb)	452	540	488	20	0.041	649	688	667	11	0.017
Li (ppb)	7	17	13	2	0.158	10	18	15	2	0.139
Zr (ppb)	1	10	2	2.0	1.155*	1	6	2	1.5	1.006*

1. Elements marked with * are at or below the dermination limit for particular standard.

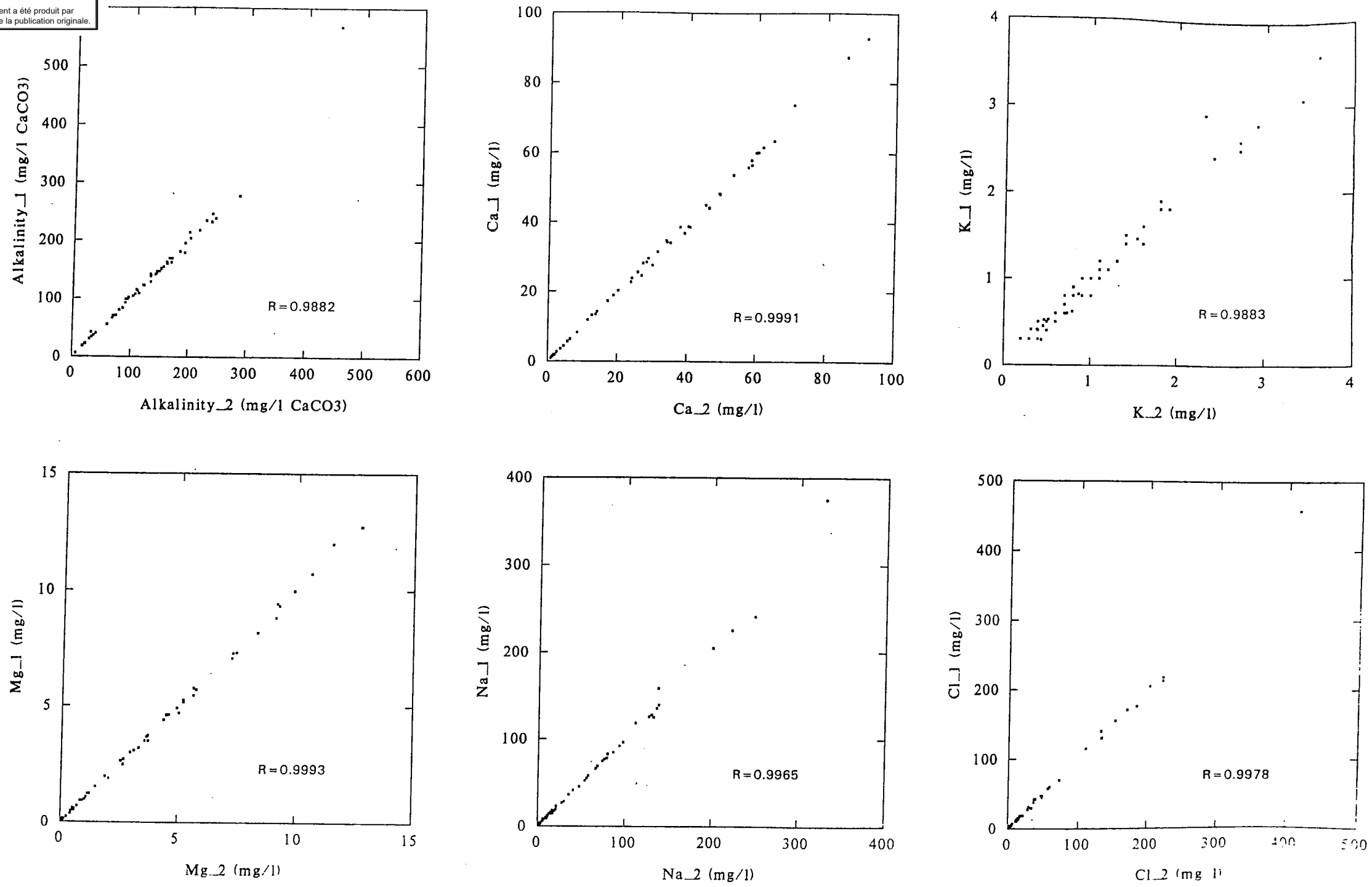


Figure 1. Alkalinity, Ca, K, Mg, Na, and Cl scatterplots for duplicate samples, Moncton groundwater survey.

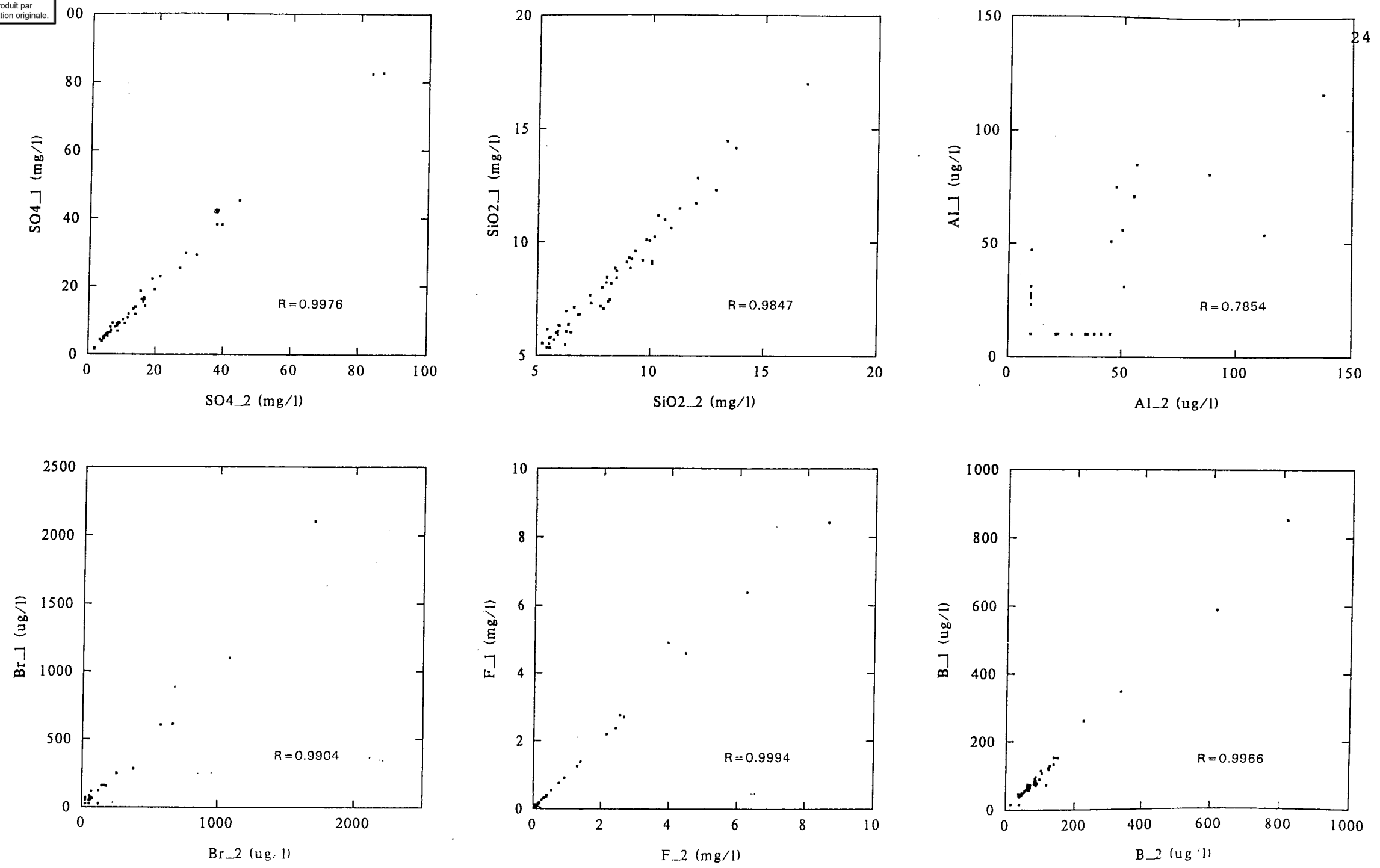


Figure 2. SO₄, SiO₂, Al, Br, F, and B scatterplots for duplicate samples, Moncton groundwater survey.

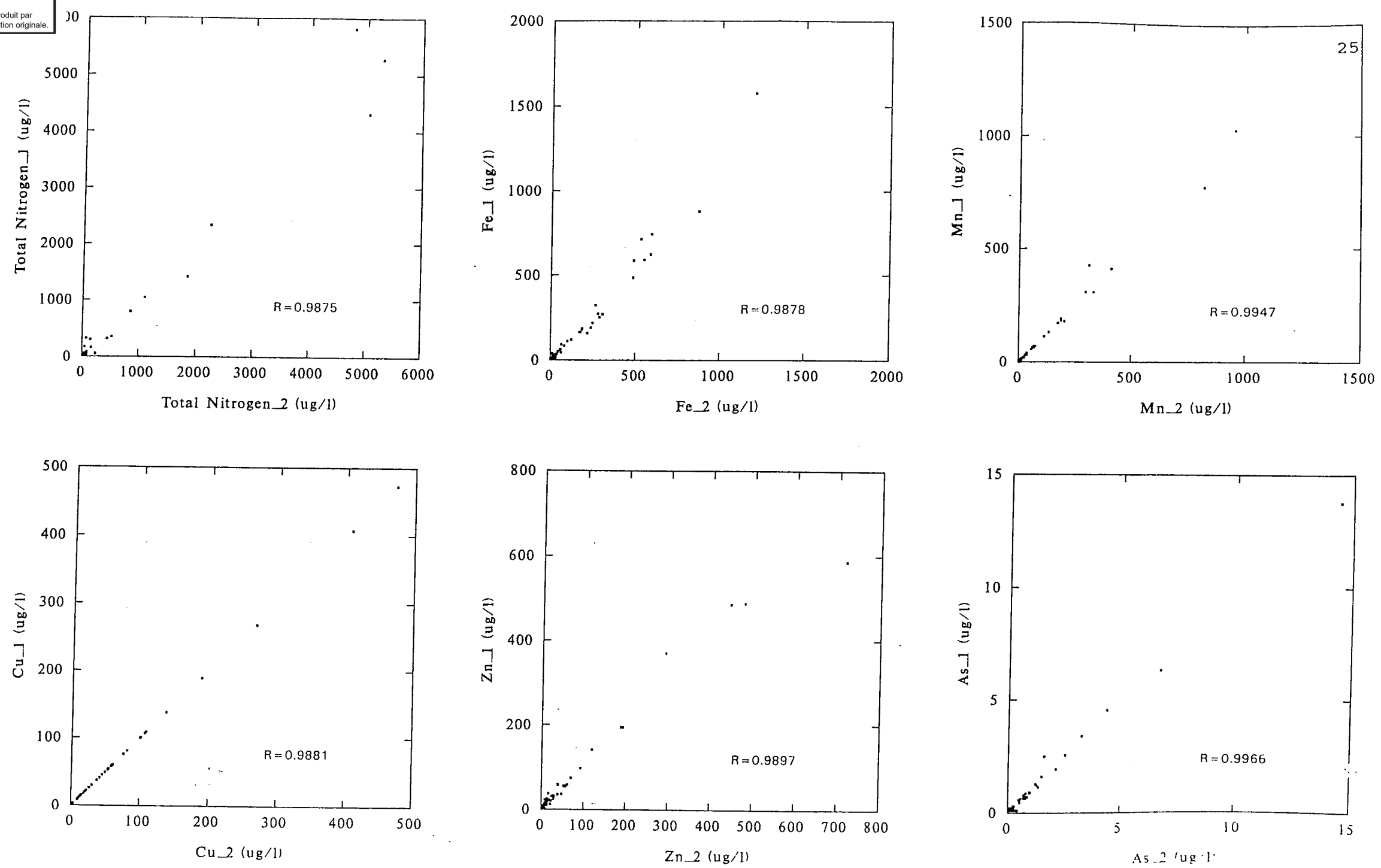


Figure 3. Total Nitrogen, Fe, Mn, Cu, Zn, and As scatterplots for duplicate samples, Moncton groundwater survey.

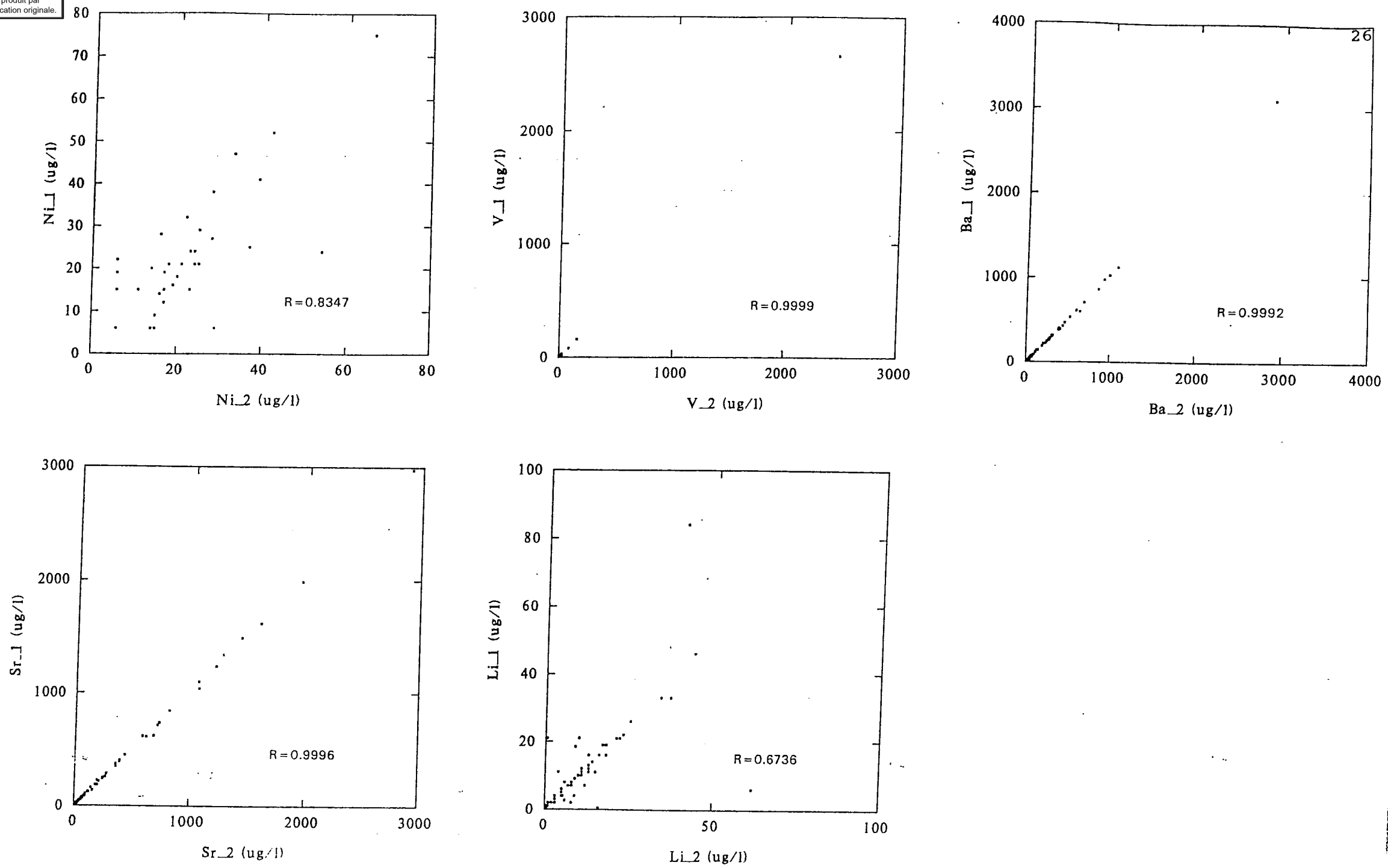


Figure 4. Ni, V, Ba, Sr, and Li scatterplots for duplicate samples, Moncton groundwater survey.

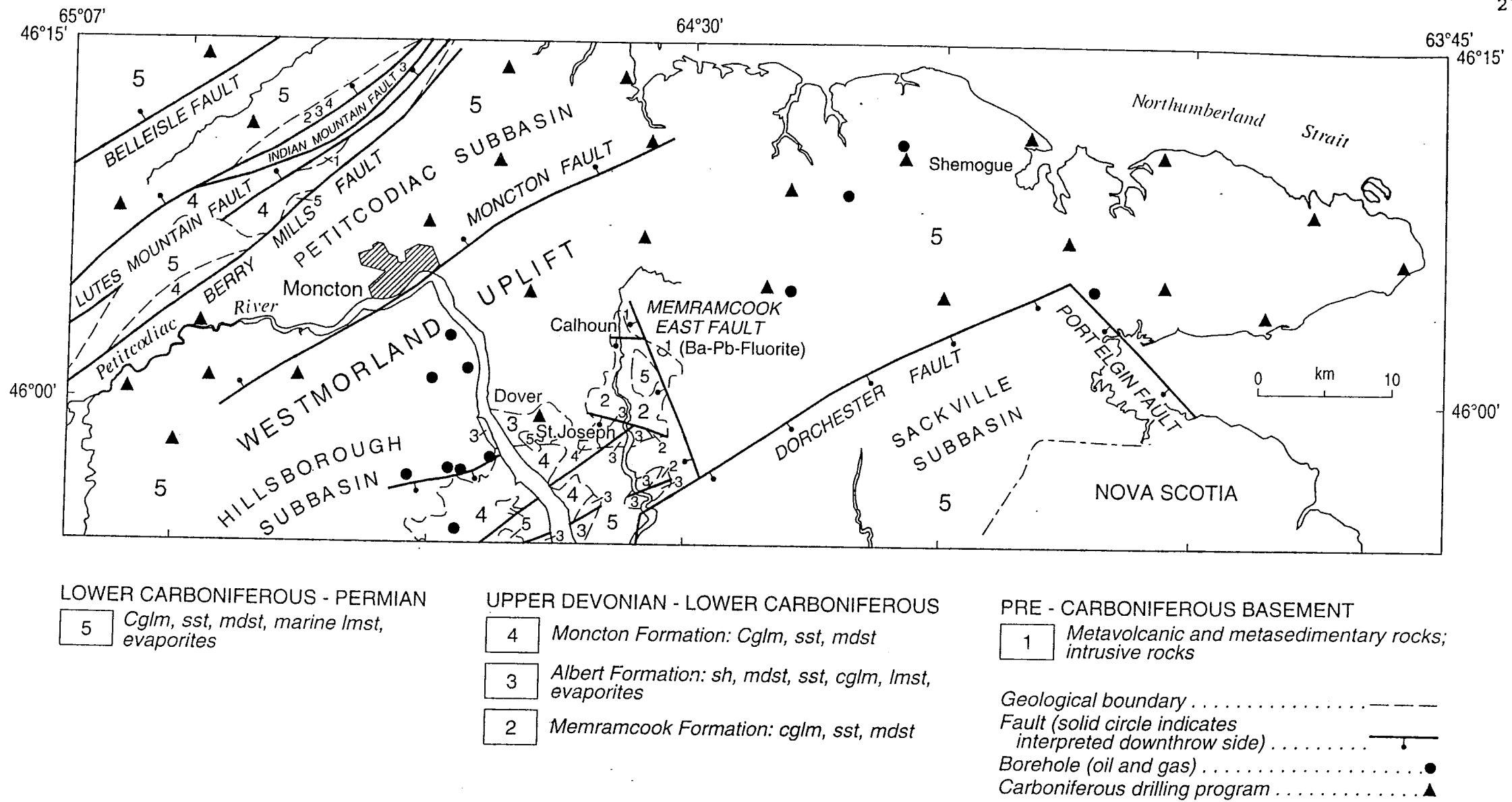


Figure 5 Generalized geology of the Moncton area. After Carr, 1968; Ball et. al, 1981; St. Peter, 1987; Foley, 1989).

GSC Open File 2912

Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1001	21I	370893	5111743		D	200	3	9.26	342	262	161.8	3	-0.16
1002	21I	370818	5111833	S	D	85	9	6.94	196	164	84.7	0	-0.11
1003	21I	371152	5112326		U	-	23	7.39	500	321	141.5	222	-0.93
1004	21I	371774	5113247		D	120	44	7.29	352	246	126.1	154	-0.15
1005	21I	371892	5113333	S	D	-	16	7.28	302	381	160.2	1	-1.86
1006	21I	371986	5113398		D	-	10	7.28	555	210	101.5	129	0.50
1007	21I	372104	5113529		D	30	15	7.15	297	218	116.1	139	1.17
1008	21I	372427	5113834		D	-	23	7.68	251	256	119.4	106	-2.22
1009	21I	372548	5114053		D	-	-	7.90	241	188	113.0	66	0.01
1010	21I	372759	5114182		D	-	23	8.40	247	184	103.7	31	1.10
1011	21I	372939	5114301		D	-	3	7.58	248	193	122.8	88	-1.79
1012	21I	373026	5114410		D	-	-	7.83	250	195	122.0	51	-2.87
1013	21I	373496	5115067		D	-	-	6.52	122	87	52.1	51	-0.68
1014	21I	373543	5115111		D	-	-	7.34	288	221	138.6	107	-1.99
1015	21I	377578	5119964		D	-	-	6.82	272	159	64.1	97	-2.18
1017	21I	376997	5119087		D	70	18	6.58	813	436	107.6	255	-1.27
1018	21I	376840	5118967		D	-	10	7.04	510	299	110.8	170	-2.23
1019	21I	376805	5118746		D	-	7	7.50	231	163	96.7	98	-1.70
1020	21I	376481	5118397		D	86	18	5.97	517	296	78.0	182	-2.22
1021	21I	376478	5118241		D	-	-	7.32	236	179	106.3	100	-1.76
1023	21I	376173	5118025		D	-	-	7.47	339	237	139.4	149	-2.85
1024	21I	376013	5117728		D	-	-	7.27	371	264	151.2	166	-2.04
1025	21I	375510	5117305		D	-	3	7.47	285	218	135.9	132	-2.17
1026	21I	375249	5116988		D	-	13	7.63	246	186	117.8	113	-1.15
1027	21I	374952	5116449		D	107	42	8.29	325	256	155.2	30	-3.47
1028	21I	371132	5112071		D	66	2	7.64	263	178	86.8	110	0.17
1029	21I	370604	5111615		D	65	15	7.70	284	216	125.8	125	-1.75
1030	21I	370249	5111267		D	70	4	7.13	268	203	117.2	123	-0.44
1031	21I	370059	5111060		U	80	10	7.35	200	147	85.5	89	-0.92
1032	21I	369944	5111073		D	-	15	7.60	321	223	118.0	122	-0.66

GSC Open File 2912

Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1001	1.37	0.09	79.0	0.5	3.81	7.90	6.59	10	0.56	25	15	13	222	37	11	12	1.0	0.5	0.1	0.5	62	4	1	1	8	33	25
1002	0.28	0.05	45.0	0.2	7.25	3.95	21.07	10	0.07	25	15	13	894	51	73	7	5.0	0.5	3.9	0.5	38	4	1	1	1	1	5
1003	71.02	10.97	8.0	1.9	68.18	8.72	9.85	32	0.09	67	56	13	38	260	10	96	0.5	0.5	0.2	0.5	29	10	1	1	130	164	11
1004	52.72	5.50	8.0	1.1	26.02	10.82	12.78	24	0.09	25	42	13	337	1231	8	19	0.5	0.5	0.7	0.5	25	4	1	1	649	301	6
1005	0.37	0.07	121.0	0.3	65.00	21.47	12.49	10	0.08	111	15	109	98	15	10	20	0.5	0.5	0.1	0.5	6	4	1	1	1	3	11
1006	45.86	3.69	8.0	0.7	24.98	9.44	12.72	40	0.10	25	15	13	881	1386	22	46	0.5	0.5	2.6	0.5	26	12	10	8	268	195	4
1007	46.19	5.84	6.0	1.8	19.69	7.32	13.68	36	0.08	25	15	13	179	214	33	25	0.5	0.5	2.2	0.5	29	11	7	9	383	342	7
1008	32.14	6.30	31.0	3.4	42.23	7.86	11.83	52	0.19	25	15	13	90	68	16	78	0.5	0.5	0.7	0.5	32	10	14	14	355	1219	17
1009	20.30	3.97	26.0	2.1	4.05	7.87	9.60	39	0.17	25	15	13	46	40	28	21	2.0	0.5	1.1	0.5	28	9	13	9	227	893	19
1010	9.67	1.71	42.0	1.7	6.95	8.34	8.90	36	0.16	25	15	13	31	18	36	19	0.5	0.5	1.5	0.5	22	9	9	12	170	486	26
1011	26.75	5.23	16.0	1.6	3.63	2.62	12.66	10	0.11	25	15	13	169	180	8	17	0.5	0.5	0.1	0.5	22	4	8	4	197	961	13
1012	16.36	2.59	33.0	1.3	3.06	6.34	9.77	10	0.12	25	15	13	27	37	3	6	0.5	0.5	0.5	0.5	20	4	7	4	213	646	21
1013	17.30	2.12	3.0	0.6	2.76	3.87	4.98	10	0.05	25	15	13	146	4	83	164	0.5	0.5	0.1	0.5	18	4	6	1	144	63	2
1014	31.38	7.12	17.0	2.2	6.69	6.12	10.61	10	0.12	25	15	13	32	70	9	35	0.5	0.5	0.6	0.5	27	4	6	4	294	963	15
1015	35.55	2.19	9.0	0.7	29.27	7.60	6.82	10	0.06	25	15	2945	75	4	26	229	0.5	0.5	0.4	0.5	27	4	4	1	552	86	3
1017	92.81	5.79	41.0	0.9	171.00	5.72	10.09	10	0.02	50	66	13	485	31	20	58	0.5	0.5	0.1	0.5	28	9	1	1	138	121	5
1018	60.82	4.60	25.0	0.6	81.55	5.94	8.69	10	0.03	25	45	1182	22	0.5	26	20	0.5	0.5	0.1	1.0	22	4	3	1	110	79	3
1019	30.19	5.58	6.0	0.7	11.40	3.18	8.68	10	0.11	25	15	13	50	4	9	403	2.0	0.5	0.1	0.5	21	4	3	1	267	80	6
1020	39.01	20.72	22.0	1.0	114.00	3.39	14.14	10	0.10	25	38	13	661	2066	25	20	2.0	0.5	0.1	0.5	32	4	3	1	362	77	15
1021	34.54	3.58	8.0	0.5	8.16	5.03	11.13	10	0.14	25	15	13	234	655	3	21	0.5	0.5	0.3	0.5	6	4	1	1	204	43	4
1023	49.48	6.37	7.0	0.5	13.14	12.81	7.29	10	0.10	25	15	1107	12	30	3	122	0.5	0.5	0.1	0.5	6	4	1	1	162	64	2
1024	54.29	7.61	9.0	0.5	14.27	15.56	8.97	10	0.06	25	42	2063	12	2	3	32	0.5	0.5	0.1	0.5	14	4	1	1	214	61	4
1025	43.74	5.59	6.0	0.6	8.71	4.30	11.93	10	0.10	25	15	13	165	710	3	14	0.5	0.5	0.5	0.5	16	4	1	1	415	170	6
1026	37.67	4.73	6.0	0.7	6.43	3.16	8.49	10	0.12	25	15	62	17	303	3	39	0.5	0.5	0.1	0.5	6	4	1	1	53	80	4
1027	9.82	1.35	61.0	1.2	5.20	13.21	7.78	10	0.13	25	15	13	90	14	44	21	0.5	0.5	0.6	0.5	6	4	1	1	170	334	35
1028	34.23	6.15	7.0	1.4	24.03	6.54	10.42	10	0.20	25	15	13	35	152	3	16	0.5	0.5	0.1	0.5	23	15	9	1	313	477	11
1029	36.11	8.60	9.0	2.8	13.23	9.81	8.90	10	0.14	25	15	13	36	40	21	25	0.5	0.5	0.3	0.5	23	14	12	1	290	775	18
1030	44.32	3.20	7.0	0.6	10.18	8.96	10.70	10	0.08	25	36	13	352	636	8	17	0.5	0.5	0.1	0.5	25	14	10	1	120	42	6
1031	29.54	3.88	5.0	0.4	4.36	10.61	7.37	10	0.12	25	15	13	8	4	12	89	0.5	0.5	0.1	0.5	6	4	1	1	43	64	3
1032	40.94	4.85	17.0	0.4	24.58	9.04	7.58	10	0.10	25	37	19	3	27	30	12	0.5	0.5	0.2	0.5	6	4	1	1	156	457	6

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Eastings	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1033	211	369850	5111031		D	70	61	7.57	340	228	127.4	136	2.02
1034	211	369755	5110900		D	85	-	7.15	600	379	141.8	231	-2.18
1035	211	369676	5110812		D	-	-	6.94	540	317	102.6	177	-2.46
1037	211	369318	5110342		D	-	8	7.90	396	288	146.1	43	2.04
1038	211	369252	5110154		D	100	45	7.60	332	249	146.3	135	0.09
1039	211	369254	5109888		D	-	16	6.73	191	138	77.2	75	0.08
1040	211	368995	5109704		D	-	40	7.84	311	254	151.7	50	0.87
1041	211	368734	5109421		D	80	40	7.87	306	230	119.1	75	1.50
1042	211	368304	5109185		D	-	35	7.45	257	180	87.7	105	0.59
1044	211	368224	5109043	s	D	-	-	6.21	1004	614	79.2	0	2.19
1045	211	368114	5108967		D	100	3	7.16	365	253	104.2	80	-2.54
1046	211	367980	5108848		D	12	45	5.66	689	343	4.03	63	1.98
1047	211	367729	5108675		D	66	23	5.66	892	484	4.1	104	0.16
1048	211	367456	5108570		D	-	100	7.29	355	279	158.9	92	2.08
1049	211	367236	5108419		D	55	28	6.34	319	245	144.2	88	0.51
1050	211	367189	5108387		D	65	41	6.68	282	214	129.5	135	-0.85
1051	211	366933	5108348		D	-	60	7.22	398	294	184.0	142	2.42
1052	211	366700	5108309		D	-	-	7.03	385	279	157.8	145	-0.46
1053	211	366651	5108187		D	-	-	6.38	275	189	104.7	124	0.78
1054	211	365634	5101985		D	-	-	7.42	924	594	67.0	73	-2.33
1055	211	365700	5101700		D	50	-	8.25	251	182	98.5	34	-0.32
1056	211	365655	5101862		D	100	20	8.27	619	405	117.2	27	1.45
1057	211	365579	5101919		D	90	32	6.81	932	457	120.4	202	-0.60
1059	211	365801	5101803		U	-	-	8.29	315	230	98.5	22	1.49
1060	211	365945	5101667		D	105	18	8.31	564	362	106.3	21	2.21
1061	211	365950	5101544		D	150	3	7.97	229	174	97.7	41	-1.40
1063	211	366011	5101487		D	120	10	7.30	170	129	70.5	41	0.91
1064	211	366081	5101519		D	10	40	5.60	364	208	3.7	12	-2.18
1065	211	366157	5101440		D	77	42	6.08	256	140	22.8	79	-2.76
1066	211	366286	5101359		D	100	25	5.66	361	183	13.1	60	-2.06

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1033	45.91	5.43	13.0	1.4	14.86	11.30	8.05	10	0.09	25	38	138	11	0.5	16	15	0.5	0.5	0.1	0.5	6	4	1	5	67	410	5
1034	81.24	6.96	25.0	1.4	103.00	10.70	7.92	10	0.04	25	60	742	3	0.5	21	113	0.5	0.5	0.1	0.5	16	4	1	8	207	372	5
1035	63.95	4.29	29.0	1.0	100.00	9.82	6.40	10	0.03	25	48	13	3	0.5	123	153	18.0	0.5	0.1	0.5	6	4	1	9	91	122	1
1037	13.56	2.41	75.0	1.6	27.87	14.66	6.06	10	0.27	25	15	13	14	48	11	6	0.5	0.5	1.3	0.5	6	4	1	1	257	612	12
1038	44.86	5.72	15.0	2.6	16.24	3.79	11.48	10	0.30	25	59	13	111	69	3	22	0.5	0.5	0.4	0.5	24	9	1	1	854	1987	19
1039	24.80	3.26	9.0	0.8	7.54	7.65	7.75	10	0.09	25	15	13	29	0.5	31	20	0.5	0.5	0.1	0.5	6	4	1	4	57	237	3
1040	16.26	2.41	56.0	1.7	4.23	11.97	8.08	10	0.78	25	38	13	39	79	3	22	0.5	0.5	0.2	1.0	6	4	1	5	143	570	12
1041	25.41	2.86	40.0	0.8	18.28	11.82	10.35	10	0.68	25	43	13	79	340	3	17	0.5	0.5	0.1	0.5	6	4	1	1	242	395	5
1042	34.96	4.37	10.0	0.9	20.51	9.76	10.48	10	0.17	25	15	13	218	534	3	33	0.5	0.5	0.1	0.5	6	4	1	1	319	358	2
1044	0.11	0.01	232.0	0.2	273.00	16.99	11.83	10	0.07	140	15	394	49	2	20	6	0.5	0.5	0.1	0.5	6	4	1	1	1	3	0.5
1045	26.85	3.17	44.0	0.6	48.86	11.77	11.43	10	0.26	25	36	13	632	670	8	162	0.5	0.5	0.2	0.5	6	4	1	1	219	162	6
1046	15.39	6.15	106.0	1.7	187.51	13.88	7.26	66	0.07	25	15	562	95	61	434	21	0.5	0.5	0.1	1.0	6	4	1	1	170	90	1
1047	26.78	9.05	143.0	1.3	279.00	12.08	6.32	10	0.06	433	15	2385	57	46	228	662	0.5	0.5	0.1	1.0	6	4	1	1	110	104	1
1048	28.60	5.03	50.0	1.0	14.73	13.41	7.11	10	0.15	25	36	13	14	0.5	13	134	0.5	0.5	0.1	1.0	6	4	1	1	28	178	1
1049	27.34	4.99	37.0	1.2	6.08	15.76	7.82	10	0.15	25	15	13	146	18	14	169	0.5	0.5	0.1	1.0	6	4	1	1	140	400	5
1050	39.42	8.92	7.0	0.9	6.89	14.22	6.35	10	0.10	25	38	13	43	2	20	67	0.5	0.5	0.1	0.5	21	10	5	1	15	217	1
1051	41.36	9.60	30.4	2.0	5.14	10.19	9.51	26	0.21	25	53	13	434	339	22	13	0.5	0.5	0.2	1.0	30	13	6	1	198	822	6
1052	43.79	8.93	22.0	1.8	19.26	12.98	10.69	10	0.19	25	48	13	53	124	16	41	0.5	0.5	0.1	1.0	23	12	4	1	143	799	5
1053	32.69	10.45	7.0	0.7	9.40	16.20	7.10	23	0.14	25	15	967	8	2	42	30	0.5	0.5	0.1	0.5	23	11	6	1	22	87	1
1054	27.69	1.17	183.0	1.6	281.00	24.30	4.31	21	2.37	1295	70	451	3	5	39	181	0.5	0.5	1.2	0.5	22	10	5	1	123	483	1
1055	11.80	1.22	41.0	1.4	14.92	6.14	5.76	10	0.32	25	15	13	3	2	3	7	0.5	0.5	0.6	0.5	20	9	5	1	217	369	11
1056	9.89	0.60	133.0	0.7	123.00	13.02	5.52	10	1.64	170	54	13	3	15	3	8	0.5	0.5	2.3	0.5	6	4	1	1	107	329	6
1057	63.08	10.92	73.0	1.9	170.00	4.37	8.50	10	0.15	325	63	1526	3	0.5	8	11	0.5	0.5	0.6	1.0	43	4	1	1	1590	1119	1
1059	8.30	0.41	67.0	0.5	32.15	15.63	5.96	10	1.53	74	50	13	3	19	3	2	0.5	0.5	0.7	0.5	6	4	1	1	73	289	7
1060	8.08	0.41	120.0	0.7	102.00	15.50	6.05	10	2.10	25	63	22	3	9	3	2	0.5	0.5	1.0	0.5	6	4	1	1	136	280	7
1061	15.16	0.94	34.0	0.8	6.00	12.28	6.17	10	0.65	25	40	13	3	72	3	40	0.5	0.5	0.1	0.5	6	4	1	1	117	503	9
1063	14.57	1.24	21.0	1.3	5.56	7.98	5.88	10	0.41	25	15	13	3	3	3	224	0.5	0.5	0.2	0.5	6	4	1	1	113	442	10
1064	4.23	0.47	71.0	1.6	112.00	9.10	3.69	10	0.02	25	15	1525	10	65	75	14	0.5	0.5	0.1	0.5	6	4	1	1	180	13	0.5
1065	25.83	3.74	12.0	1.7	60.28	4.89	6.84	10	0.05	25	15	619	10	2	206	31	0.5	0.5	0.1	0.5	6	4	1	1	333	595	0.5
1066	17.70	3.89	39.0	2.6	94.40	4.04	6.21	10	0.04	25	15	1390	3	10	442	40	0.5	0.5	0.1	0.5	27	4	1	1	877	225	0.5

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1067	21I	366298	5101203		D	75	45	6.32	1866	874	62.3	388	0.27
1068	21I	366341	5101002		D	-	16	7.70	242	170	90.3	86	1.18
1069	21I	366437	5100833		D	-	4	7.60	161	117	62.5	71	1.48
1070	21I	366304	5100758		D	90	5	7.50	237	174	102.1	104	-1.01
1071	21I	366362	5100579		D	52	-	7.85	201	149	85.7	74	0.73
1072	21I	366335	5100402		D	10	55	5.84	124	68	11.0	24	1.21
1073	21I	366446	5100155		D	250	30	8.92	307	226	117.8	5	2.69
1074	21I	366513	5100054		D	60	45	6.32	135	102	48.3	53	-1.32
1075	21I	366491	5100098		D	6	41	5.70	842	406	22.7	177	0.43
1076	21I	366642	5099906		D	120	15	7.32	223	175	94.8	104	2.04
1077	21I	366606	5099685		U	-	-	7.40	222	160	90.0	87	-3.34
1078	21I	366818	5099469		D	110	4	8.57	637	408	109.8	24	-1.17
1080	21I	366777	5099359		D	-	52	7.08	299	206	98.5	87	-3.95
1081	21I	366884	5099301		D	75	21	5.77	793	411	45.3	253	-3.61
1083	21I	366986	5098976		U	-	86	6.05	104	60	22.2	26	-0.09
1084	21I	366983	5098854		D	210	35	8.24	353	242	95.4	2	-2.37
1085	21I	367328	5098346		D	300	1	9.00	347	247	126.1	3	-3.03
1086	21I	367201	5098560		U	-	-	7.18	291	210	97.5	93	1.63
1087	21I	367433	5098177		D	-	2	6.50	540	302	98.2	111	-3.51
1088	21I	367504	5097865		D	-	-	8.55	604	420	182.9	21	-3.78
1089	21I	367501	5097720		D	110	1	7.73	387	245	74.0	122	-1.18
1090	21I	367521	5097597		U	-	-	7.63	607	366	102.0	175	-2.05
1091	21I	367457	5097510		D	-	43	8.15	401	262	91.9	53	-4.02
1092	21I	367447	5097377		D	104	38	8.83	318	205	66.6	4	-2.32
1093	21I	367480	5097131		D	-	25	6.17	158	114	36.4	72	-0.61
1094	21I	367617	5096995		D	90	20	5.85	1325	674	21.5	212	-2.34
1095	21I	367650	5096739		D	90	25	7.66	378	250	97.5	107	-1.73
1096	21I2	367559	5096496		U	-	-	5.95	27	21	6.9	9	0.10
1097	21I2	367662	5096561		D	-	32	7.20	471	311	115.4	136	-2.02
1098	21I2	367617	5096284		D	-	-	7.31	476	321	118.8	154	-1.56

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1067	106.31	29.94	169.0	2.6	474.00	22.33	5.25	10	0.09	3224	110	13	13	1138	18	106	0.5	0.5	0.1	0.5	38	13	3	1	40	1013	0.5
1068	30.20	2.73	15.0	1.2	10.49	12.78	6.54	10	0.13	25	15	13	11	38	64	6	0.5	0.5	18.2	0.5	6	4	1	1	159	652	0.5
1069	25.40	1.99	5.0	0.8	6.45	9.10	5.60	10	0.08	25	15	13	3	0.5	34	13	0.5	0.5	0.1	0.5	6	4	1	1	125	181	0.5
1070	34.56	4.49	6.0	1.5	10.31	5.62	7.56	10	0.19	25	37	13	3	294	3	2	0.5	0.5	0.3	0.5	6	4	1	1	266	613	0.5
1071	25.48	2.59	12.0	0.9	5.82	5.98	9.93	10	0.13	25	15	13	118	280	3	70	1.0	0.5	1.9	0.5	14	4	1	1	134	340	0.5
1072	6.92	1.66	11.0	3.8	18.30	7.88	4.98	128	0.34	25	15	1679	190	16	672	120	4.0	0.5	0.1	0.5	6	4	1	1	115	34	0.5
1073	2.09	0.14	74.0	0.4	4.82	12.01	6.00	35	8.14	25	88	13	171	26	3	2	1.0	2	1.6	0.5	6	4	1	1	8	60	0.5
1074	18.57	1.78	5.0	0.6	3.81	12.65	7.79	10	0.11	25	15	13	3194	313	3	82	0.5	0.5	0.3	0.5	6	4	1	1	60	66	0.5
1075	57.86	8.18	77.0	1.1	218.00	13.39	6.79	10	0.05	62	49	20	713	69	138	141	0.5	0.5	0.1	0.5	29	9	3	1	285	216	0.5
1076	38.51	2.01	8.0	0.6	6.63	12.90	10.11	10	0.13	25	39	13	317	1094	12	20	0.5	0.5	0.4	0.5	6	4	1	1	88	211	0.5
1077	32.54	1.65	7.0	0.6	5.19	13.14	8.53	10	0.13	25	15	23	303	477	10	28	1.0	0.5	0.1	0.5	6	4	1	1	60	182	0.5
1078	8.95	0.45	129.0	0.6	104.00	47.23	5.22	22	2.83	25	67	13	26	17	3	2	0.5	0.5	1.3	0.5	6	4	1	1	41	278	7
1080	31.08	2.32	23.0	1.1	25.58	15.44	7.49	10	0.04	59	45	13	356	523	3	541	0.5	0.5	0.1	0.5	6	4	1	1	117	630	10
1081	78.12	14.15	38.0	1.4	208.00	14.52	7.64	10	0.16	393	61	3243	244	12	69	46	0.5	5	0.1	0.5	18	4	1	1	11	321	0.5
1083	8.64	1.32	6.0	1.5	11.97	2.78	5.15	10	0.04	25	15	13	204	7	28	89	0.5	0.5	0.1	0.5	6	4	1	1	20	44	0.5
1084	0.89	0.01	78.0	0.4	47.38	11.16	6.05	79	2.65	69	76	13	45	2	10	2	0.5	0.5	7.8	0.5	6	4	1	1	8	29	0.5
1085	1.37	0.12	74.0	0.5	19.64	16.49	6.34	401	1.86	97	60	13	325	9	3	11	1.0	0.5	2.5	0.5	6	4	1	1	12	36	0.5
1086	31.96	3.31	29.0	1.1	33.31	5.85	5.83	10	0.19	25	42	697	24	0.5	9	67	0.5	0.5	0.3	0.5	6	4	1	1	232	560	0.5
1087	35.36	5.76	56.0	0.9	68.35	18.02	7.70	10	1.65	330	81	9694	18	3	84	41	1.0	0.5	3.3	0.5	14	4	5	1	125	355	0.5
1088	7.92	0.47	124.0	0.7	71.64	22.48	6.58	10	3.12	25	105	13	84	26	3	2	0.5	0.5	1.6	0.5	6	4	1	1	52	243	6
1089	44.04	3.06	28.0	2.0	81.20	3.18	7.00	10	0.17	25	63	13	107	273	3	8	0.5	0.5	0.8	0.5	22	4	1	1	447	1370	21
1090	59.67	6.42	48.0	2.0	133.00	5.38	6.98	10	0.34	227	78	13	93	314	3	24	1.0	0.5	1.1	0.5	23	4	6	1	198	1714	26
1091	18.63	1.63	61.0	0.9	72.34	7.15	7.11	10	0.74	25	63	13	3	76	3	26	0.5	0.5	1.1	0.5	6	4	1	1	104	472	7
1092	1.69	0.08	66.0	0.4	57.69	6.44	5.51	10	0.40	25	55	13	3	5	3	2	0.5	0.5	1.3	0.5	6	4	1	1	15	52	1
1093	22.61	3.91	5.0	0.9	31.08	3.91	9.49	10	0.07	25	15	429	3	98	20	83	0.5	0.5	0.1	0.5	17	4	1	1	130	304	0.5
1094	63.31	13.22	159.0	3.1	398.00	7.07	7.77	10	0.03	98	59	13	3	119	90	661	0.5	0.5	0.1	0.5	56	4	1	1	295	870	0.5
1095	37.15	3.69	34.0	1.5	59.01	8.54	7.12	10	0.53	152	62	13	3	114	3	115	0.5	0.5	0.1	1.0	17	4	1	1	79	688	0.5
1096	2.54	0.66	1.5	0.4	2.40	2.36	4.13	10	0.02	25	15	13	3	0.5	70	2	0.5	0.5	0.1	0.5	6	4	1	1	1	12	0.5
1097	43.08	6.99	44.0	1.1	83.87	9.17	6.63	10	0.15	25	50	13	3	0.5	3	6	0.5	0.5	0.1	1.0	15	4	1	1	31	527	0.5
1098	53.64	5.02	37.0	1.0	63.53	33.35	7.64	10	0.39	154	58	13	9	0.5	3	2	0.5	0.5	0.4	0.5	6	4	1	1	24	445	0.5

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1100	2112	367461	5096220		D	120	15	7.00	496	331	107.6	183	-0.95
1102	2112	367714	5095403		D	200	7	6.92	205	145	69.7	90	-2.28
1103	2112	367671	5095549		U	-	-	7.37	172	128	76.6	71	1.61
1104	21H15	367799	5094646		D	60	15	7.12	1463	869	113.8	313	-3.10
1105	21H15	367686	5094837		U	-	-	6.71	516	217	125.8	144	2.18
1106	21H15	370003	5089708		U	-	-	7.40	631	442	129.5	238	-4.05
1107	21H15	370096	5089695		U	-	-	6.65	88	67	33.7	35	-2.57
1108	21H15	369876	5089933		U	-	7	7.78	364	257	112.7	109	1.38
1109	21H15	369774	5090213		D	-	35	7.58	1644	1027	123.1	395	-3.62
1110	21H15	369559	5090329		D	75	-	7.09	886	490	88.7	279	-3.53
1111	21H15	369431	5090498		D	95	26	7.17	348	230	115.6	147	0.24
1112	21H15	369234	5091458		D	60	3	7.89	559	388	179.2	106	2.07
1113	21H15	369024	5091785		U	-	-	7.36	166	119	72.9	75	-0.50
1114	21H15	368859	5092067		D	150	50	7.16	1477	1072	192.5	413	1.38
1115	21H15	368793	5092201	S	D	125	14	8.05	883	610	210.4	0	-2.93
1116	21H15	368763	5092280	F	D	40	20	6.84	1025	798	110.8	299	0.23
1117	21H15	368584	5092939		D	180	15	7.05	1936	1561	219.5	696	-4.20
1118	21H15	368518	5093152		D	125	11	6.30	1350	1049	577.4	13	-1.97
1120	21H15	368519	5093208		U	-	-	8.17	50	38	12.7	17	-2.17
1122	21H15	368213	5094115		D	80	-	7.22	633	386	112.2	242	-2.40
1123	21H15	368400	5093777		D	86	15	8.39	1123	858	468.4	9	1.74
1124	21H15	368122	5094205		D	40	20	7.43	315	212	80.1	117	-2.24
1125	21H15	368289	5094046		D	15	-	6.23	63	42	15.3	19	-0.05
1126	21H15	353829	5091393		D	-	130	7.25	347	257	153.3	119	-0.40
1127	21H15	353620	5091420		D	-	7	8.55	223	178	105.8	3	0.19
1128	21H15	352982	5091657		U	-	-	5.72	32	25	6.2	8	-4.05
1129	21H15	352828	5091694		U	-	-	5.63	32	26	6.7	9	-3.51
1130	21H15	352573	5091700		U	-	-	5.48	33	28	7.3	8	0.61
1131	21H15	352614	5091800		D	70	25	5.48	31	27	6.8	8	1.62
1132	21H15	350622	5090547		D	-	20	7.46	295	218	127.9	86	-0.98

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1100	62.45	6.65	23.2	13.8	93.01	16.63	6.96	10	0.15	25	59	13	3	7	82	118	0.5	0.5	0.5	0.5	27	9	4	1	25	390	0.5
1102	32.58	2.26	3.0	0.6	7.05	21.78	7.86	10	0.08	25	15	13	3	0.5	14	2	0.5	0.5	0.1	1.0	6	4	1	1	4	114	0.5
1103	24.88	2.22	8.0	0.8	2.17	7.03	6.07	10	0.10	25	15	13	3	85	3	13	0.5	0.5	0.1	0.5	6	4	1	1	60	386	4
1104	101.74	14.53	176.0	2.8	442.00	5.93	5.76	10	0.46	140	137	1339	3	0.5	3	13	0.5	0.5	0.1	1.0	55	11	1	1	2562	2149	0.5
1105	50.28	4.51	5.9	2.0	9.56	12.90	5.95	10	0.03	83	15	22	3	0.5	3	2	0.5	0.5	0.1	0.5	6	4	1	1	222	121	0.5
1106	81.81	8.38	31.0	1.7	63.72	113.00	9.65	10	0.14	247	312	13	184	114	3	34	0.5	0.5	0.1	1.0	17	4	1	1	86	2636	7
1107	12.74	0.92	3.0	0.5	4.18	5.13	6.68	10	0.04	25	15	13	18	2	17	15	5.0	0.5	0.1	0.5	6	4	1	1	62	53	0.5
1108	36.19	4.62	33.0	1.3	19.33	38.04	9.64	10	0.19	76	292	13	130	67	3	14	0.5	0.5	0.4	0.5	14	4	1	1	208	1975	11
1109	142.62	9.60	178.0	0.8	354.00	211.00	7.48	22	0.28	103	435	13	12	2	10	54	0.5	0.5	0.1	0.5	32	13	4	1	67	397	14
1110	96.09	9.73	48.0	0.9	199.00	36.36	8.32	28	0.03	337	87	1954	61	5	27	57	0.5	0.5	0.1	0.5	32	14	3	4	241	640	6
1111	50.49	5.30	11.0	0.5	14.51	17.20	10.08	10	0.02	25	49	4979	28	2	31	77	0.5	0.5	0.1	0.5	17	4	3	4	155	123	2
1112	36.73	3.50	85.0	1.1	60.00	15.43	5.32	10	0.36	70	347	13	190	308	3	11	0.5	0.5	0.1	0.5	15	4	1	1	273	186	7
1113	29.15	0.70	3.0	0.4	2.91	6.19	3.98	10	0.02	25	15	19	36	7	109	49	0.5	0.5	0.1	0.5	6	4	1	1	29	45	0.5
1114	151.76	8.42	206.0	1.5	454.00	8.92	10.44	63	0.28	491	311	13	29040	4674	66	7927	0.5	4	0.1	0.5	95	21	10	1	3522	773	4
1115	0.15	0.01	203.0	0.1	161.00	27.52	6.81	10	0.91	453	619	22	55	3	3	2	0.5	0.5	0.1	0.5	6	4	1	1	4	2	1
1116	107.39	7.60	169.0	0.8	386.00	7.91	7.45	10	0.04	734	103	401	23	6	409	78	3.0	0.5	0.1	0.5	37	11	1	1	657	170	6
1117	266.57	7.65	168.0	2.4	69.34	812.00	7.13	280	1.32	485	1023	150	118	15	78	95	0.5	0.5	0.1	0.5	133	54	37	44	90	6791	44
1118	3.86	0.98	330.0	1.3	126.00	0.47	5.58	10	2.89	25	1641	13	56	4	3	2	0.5	0.5	0.1	0.5	6	4	1	1	362	285	72
1120	6.01	0.53	2.0	0.5	2.69	6.35	7.28	10	0.02	25	15	13	8	0.5	34	31	0.5	0.5	0.1	0.5	6	4	1	1	8	15	0.5
1122	83.31	8.46	24.0	1.7	138.00	6.72	8.75	10	0.08	65	74	13	301	87	3	59	0.5	0.5	0.1	0.5	40	4	1	1	1626	967	5
1123	3.00	0.57	285.0	1.1	84.35	0.92	5.94	10	8.14	25	771	26	263	32	3	2	0.5	0.5	0.1	0.5	6	4	1	1	61	128	36
1124	44.70	1.52	17.0	0.8	52.02	9.31	5.94	10	0.05	56	48	20	18	41	25	47	0.5	0.5	0.1	0.5	14	4	1	1	321	140	1
1125	6.53	0.70	3.0	0.6	2.45	7.27	5.98	10	0.03	25	15	26	3	0.5	3967	46	0.5	0.5	0.1	0.5	6	4	1	1	6	15	0.5
1126	36.22	7.05	27.0	2.0	12.60	11.26	6.43	25	0.12	25	41	13	42	27	16	41	0.5	0.5	0.4	0.5	17	4	3	5	302	652	4
1127	1.33	0.14	53.0	0.5	2.77	8.52	5.20	86	0.32	25	15	19	264	14	3	2	0.5	0.5	2.5	0.5	6	4	1	1	43	32	14
1128	2.81	0.41	2.0	0.4	3.17	3.88	5.50	10	0.03	25	15	21	45	3	257	34	0.5	0.5	0.1	0.5	6	4	1	1	150	30	47
1129	2.94	0.41	2.0	0.5	2.70	4.37	5.65	10	0.03	25	15	20	92	4	119	18	0.5	0.5	0.1	0.5	6	4	1	1	152	31	5
1130	2.54	0.50	3.0	0.5	2.88	3.83	6.42	62	0.03	25	15	22	476	168	948	145	2.0	0.5	0.1	0.5	6	4	1	1	136	16	1
1131	2.70	0.32	3.0	0.4	2.72	3.80	6.87	10	0.03	25	15	13	76	21	164	10	0.5	0.5	0.1	0.5	14	4	1	1	134	17	1
1132	28.14	3.93	29.0	1.5	15.51	4.57	5.42	10	0.25	25	36	24	103	336	19	50	0.5	0.5	0.2	0.5	37	4	3	1	341	512	36

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1133	21H15	349783	5090167		D	90	10	7.54	368	290	195.5	155	-1.82
1134	21H15	349770	5090256		D	190	2	7.64	290	227	140.5	56	1.09
1135	21H15	349623	5090282		D	100	17	6.50	248	165	72.6	92	1.62
1136	21H15	349439	5090364		D	-	10	6.58	271	177	85.2	104	-3.55
1137	21H15	348763	5090614		D	-	-	8.76	312	246	149.0	17	-3.40
1138	21H15	348548	5091364		U	-	-	6.86	262	191	122.0	75	-2.89
1140	21H15	348343	5091514		D	22	43	5.85	139	83	27.1	38	-0.26
1142	21H15	348390	5091846		D	239	16	7.60	382	277	147.4	42	-3.46
1143	21H15	348348	5091747		D	60	17	6.09	299	162	38.1	89	-2.21
1144	21H15	348523	5092221		D	128	-	6.52	452	272	95.6	147	0.28
1145	21H15	348456	5092011		D	-	10	7.38	344	251	158.0	110	-3.65
1146	21H15	348126	5092798		D	100	55	9.05	407	321	200.3	3	-2.28
1147	21H15	347416	5093860		D	120	10	8.45	358	285	176.3	36	-3.93
1148	21H15	347429	5093738		U	-	-	8.99	432	332	186.9	6	-2.95
1149	21H15	347562	5093801		D	100	18	8.78	801	532	165.9	24	-2.98
1150	21H15	347105	5094457		U	-	-	7.76	296	221	138.6	70	-2.18
1151	21H15	346689	5094545		D	-	100	7.50	257	201	128.2	74	-2.94
1152	21H15	346935	5094784		D	-	18	6.55	129	106	60.0	55	-3.31
1153	21H15	346979	5095616		D	45	12	7.11	222	172	94.6	103	0.98
1154	21I2	346775	5095833		U	-	1	6.10	148	104	41.9	51	-1.48
1155	21I2	346939	5095862		D	85	4	5.80	170	85	27.0	45	2.74
1156	21I2	346562	5096272		D	-	5	5.43	173	75	16.8	39	3.57
1157	21I2	346439	5096330		D	-	16	6.50	214	151	75.2	87	-3.67
1158	21I2	346334	5096766		D	-	1	8.14	467	348	215.1	13	-0.34
1160	21I2	346568	5096527		U	-	45	7.90	226	176	110.8	67	-3.05
1161	21I2	345617	5097218		U	-	-	7.62	414	310	180.2	102	-3.46
1162	21I2	345691	5097083		D	87	28	7.61	417	304	196.5	136	-3.88
1164	21I2	345189	5097451		D	-	7	7.67	377	304	200.9	76	-2.89
1165	21I3	343719	5098144		U	110	6	8.36	1052	707	198.1	12	2.10
1166	21I3	342411	5097877		D	90	40	8.78	50	389	231.9	3	-0.17

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1133	47.93	8.82	18.0	2.8	3.40	6.60	5.34	31	0.07	25	51	20	15	64	10	37	0.5	0.5	0.1	0.5	21	4	1	1	240	1039	6
1134	20.88	1.14	45.0	1.3	3.55	7.26	6.31	24	0.23	25	15	20	17	86	66	17	0.5	0.5	0.9	0.5	6	4	1	1	194	541	58
1135	31.14	3.50	15.0	1.6	28.14	6.15	5.57	46	0.07	25	15	1134	144	21	18	55	7.0	0.5	0.1	0.5	6	4	1	1	147	72	7
1136	36.17	3.44	9.0	0.9	32.04	3.93	5.85	22	0.07	25	39	13	28	7	30	17	2.0	1	0.1	0.5	6	4	1	1	186	148	6
1137	6.05	0.60	65.0	0.5	5.99	11.33	6.24	106	0.65	25	15	20	41	12	3	35	0.5	0.5	3.0	0.5	6	4	1	1	42	133	19
1138	23.19	4.30	23.0	1.1	5.44	4.73	6.88	10	0.13	25	15	13	94	190	55	26	0.5	0.5	0.1	0.5	6	4	1	1	195	232	23
1140	13.16	1.27	10.0	0.6	19.17	6.42	4.76	63	0.03	25	15	22	107	12	689	66	2.0	0.5	0.1	0.5	6	4	1	1	56	30	2
1142	14.83	1.39	65.0	1.1	21.46	18.21	5.96	34	0.94	25	36	13	42	3	16	33	0.5	0.5	3.8	0.5	6	4	1	1	150	169	16
1143	30.17	3.42	15.0	4.3	51.64	9.03	5.91	10	0.06	81	15	3697	113	27	42	73	0.5	0.5	0.1	0.5	20	4	1	1	527	61	1
1144	49.35	5.88	28.0	1.7	77.35	4.60	8.16	22	0.11	25	51	102	46	6	71	101	0.5	0.5	0.4	0.5	29	4	1	1	519	460	6
1145	37.36	4.14	25.0	1.5	10.76	5.77	7.04	10	0.21	25	43	191	3	74	10	25	0.5	0.5	0.1	0.5	18	4	1	1	374	745	16
1146	1.50	0.03	95.0	0.3	2.55	14.97	5.97	10	0.50	25	15	22	9	6	3	7	0.5	0.5	0.6	0.5	6	4	1	1	44	38	11
1147	13.34	0.79	67.0	1.1	3.11	15.92	6.30	10	0.72	25	15	19	51	58	3	8	0.5	0.5	1.1	0.5	6	4	1	1	83	338	20
1148	2.56	0.11	97.0	0.3	3.10	33.98	5.73	10	1.85	25	40	13	15	27	3	18	1.0	0.5	2.2	0.5	6	4	1	1	15	66	10
1149	9.49	0.20	167.0	0.4	145.00	35.58	5.94	10	1.94	25	48	13	9	49	3	2	0.5	0.5	0.9	0.5	6	4	1	1	108	297	16
1150	25.18	1.96	34.0	1.4	5.84	6.38	6.68	10	0.14	25	15	82	3	3	32	365	0.5	0.5	0.3	0.5	16	4	8	1	313	576	19
1151	27.08	1.68	25.0	1.0	3.55	5.17	8.01	10	0.11	25	15	13	3	0.5	9	46	0.5	0.5	0.6	0.5	18	4	3	1	391	469	12
1152	20.42	1.21	3.0	0.6	2.68	3.93	13.00	10	0.07	25	15	19	118	2	80	35	0.5	0.5	0.1	0.5	15	4	1	1	459	175	4
1153	38.35	1.85	5.0	1.0	9.72	3.87	15.59	22	0.05	25	44	869	9	2	718	56	2.0	0.5	0.1	0.5	28	4	1	1	800	726	4
1154	18.87	1.07	8.0	0.6	18.66	3.92	10.22	10	0.04	25	15	20	35	7	189	21	0.5	0.5	0.1	0.5	16	4	1	1	528	247	2
1155	16.65	1.07	6.0	0.7	18.65	3.51	10.83	140	0.04	25	15	33	57	2	782	40	0.5	0.5	0.2	0.5	14	4	1	1	489	99	2
1156	13.35	1.44	7.0	0.7	19.68	5.64	8.32	23	0.03	25	121	494	166	21	324	44	0.5	0.5	0.1	0.5	18	4	1	1	744	188	1
1157	32.95	1.33	4.0	0.9	18.54	3.85	12.45	10	0.05	25	41	175	3	0.5	1431	35	0.5	0.5	0.1	0.5	17	4	1	1	705	465	5
1158	5.01	0.16	102.0	0.7	9.52	8.22	7.18	10	0.23	181	15	13	29	7	11	15	10.0	0.5	0.6	0.5	6	4	3	1	142	146	27
1160	25.67	0.76	19.0	1.1	2.56	2.82	10.88	10	0.06	25	15	297	8	2	11	32	0.5	0.5	0.5	0.5	25	4	7	1	1083	747	19
1161	36.64	2.78	47.0	2.2	28.21	4.10	6.97	29	0.06	25	47	13	126	210	3	47	0.5	0.5	0.2	0.5	17	4	1	1	449	1043	40
1162	46.10	5.13	28.0	2.6	11.06	5.55	7.66	10	0.11	25	58	21	38	35	9	50	0.5	0.5	0.1	0.5	19	4	1	1	221	1205	30
1164	26.57	2.56	55.0	2.0	3.93	5.01	7.05	10	0.13	25	37	13	124	56	3	11	0.5	0.5	0.3	0.5	6	4	1	1	264	755	26
1165	4.85	0.17	250.0	0.8	187.00	54.02	5.63	10	6.06	1175	15	23	21	27	3	24	0.5	0.5	0.4	0.5	6	4	1	1	20	134	20
1166	1.44	0.07	122.0	0.6	7.46	14.35	5.77	10	5.18	25	15	13	67	4	3	7	0.5	0.5	0.1	0.5	6	4	1	1	8	34	11

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1167	2113	342347	5097779		D	140	-	8.02	2120	1312	180.3	51	-3.19
1168	2113	342395	5097544		D	77	10	8.03	777	557	196.0	34	2.07
1169	2113	342676	5096725		D	110	12	8.64	956	605	217.7	4	-0.73
1170	2113	342881	5096564		D	100	15	8.61	944	670	219.3	7	1.74
1171	2113	343120	5095891		U	-	-	7.21	391	293	194.4	179	-2.65
1172	21H14	343349	5095174		U	-	-	5.80	46	36	12.3	7	-0.74
1173	21H14	343354	5095052		D	-	15	8.54	1185	758	201.4	19	-2.21
1174	21H14	343722	5094275		D	-	2	8.86	385	325	198.5	2	-2.16
1175	21H14	343701	5094376		U	-	13	8.79	444	358	202.5	4	-0.29
1176	21H14	345000	5091174		D	-	-	7.30	235	174	103.1	103	-3.33
1177	21H14	344942	5091031		D	-	10	7.08	325	237	133.8	146	-1.11
1180	21H14	344941	5090965		D	-	1	7.18	329	237	126.6	141	-2.57
1181	2112	355303	5098039		D	155	5	-	-	318	140.8	117	2.19
1182	2112	355253	5097885		D	60	12	7.67	537	421	116.3	84	-0.75
1183	2112	355313	5097794		D	103	1	7.86	207	165	104.2	71	-3.48
1184	2112	355295	5097717		D	101	28	9.10	216	176	104.4	4	2.33
1185	2112	355132	5097354		D	47	23	8.30	195	163	99.9	33	0.18
1186	2112	355122	5096920		D	52	18	7.55	218	177	111.6	79	-1.89
1187	2112	355119	5096798		U	-	-	7.96	236	191	121.0	58	-1.96
1188	2112	355074	5096866		D	25	25	7.77	197	155	97.5	49	-0.88
1189	2112	354892	5096715		D	100	12	7.95	187	155	97.7	55	-1.96
1190	2112	354968	5096646		D	40	35	7.23	206	159	97.3	86	-1.59
1192	2112	354904	5096570		D	80	45	7.10	211	174	106.0	69	-2.65
1193	2112	354836	5096627		D	-	7	7.46	267	199	121.5	115	-1.22
1194	2112	354546	5096467		D	80	6	7.79	260	211	131.9	84	-0.72
1195	2112	354420	5096381		D	95	15	7.56	288	230	141.5	97	-1.32
1196	2112	354287	5096340		D	45	20	7.25	250	198	124.7	110	-2.82
1197	2112	354307	5096217		D	-	-	8.28	220	178	113.5	35	-1.48
1198	21H15	353057	5093823		D	165	13	7.25	175	138	86.3	78	-2.47
1199	21H15	353078	5093712		D	180	15	7.42	192	150	93.7	61	-2.73

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1167	19.20	0.94	448.0	1.7	612.00	39.45	5.81	45	3.90	3370	43	13	100	37	3	15	0.5	0.5	0.1	0.5	6	4	1	1	80	528	21
1168	10.87	1.75	181.0	3.1	143.00	13.17	6.75	10	1.17	587	115	13	20	142	3	9	0.5	0.5	1.4	0.5	6	4	1	1	144	267	14
1169	1.76	0.12	205.0	0.7	140.00	29.60	5.80	10	4.57	606	40	23	26	2	3	8	0.5	0.5	0.2	0.5	6	4	1	1	21	66	22
1170	2.87	0.12	234.0	0.7	154.00	47.76	5.85	45	5.02	671	15	13	34	17	3	2	0.5	0.5	0.1	0.5	6	4	1	1	13	71	18
1171	66.84	3.00	8.0	2.0	5.47	5.68	6.79	31	0.04	25	62	557	55	10	341	478	6.0	0.5	0.1	0.5	33	4	4	1	78	87	0.5
1172	2.02	0.72	5.0	2.0	3.24	4.55	5.68	48	0.05	25	15	20	40	3	1682	131	9.0	0.5	4.3	0.5	6	4	1	1	30	19	0.5
1173	7.10	0.33	256.0	1.0	273.00	11.57	5.77	10	1.48	1740	15	21	38	31	21	2	4.0	0.5	0.6	0.5	6	4	1	1	92	196	20
1174	1.11	0.03	97.0	0.4	4.54	16.25	6.14	10	0.78	25	15	20	20	2	11	7	0.5	0.5	6.9	0.5	6	4	16	1	7	26	15
1175	1.66	0.05	111.0	0.6	14.73	20.39	6.01	25	1.34	63	15	13	12	3	8	6	0.5	0.5	3.7	0.5	6	4	13	1	21	39	15
1176	39.01	1.61	5.0	0.6	6.42	7.63	9.34	10	0.17	25	38	935	24	2	9	17	0.5	0.5	0.3	0.5	6	4	1	1	169	128	4
1177	54.96	2.37	8.0	0.7	20.91	5.69	9.51	10	0.14	25	48	13	3	0.5	17	27	0.5	0.5	0.3	0.5	21	4	3	1	566	244	3
1180	52.76	2.40	10.0	0.8	25.83	6.97	9.67	10	0.17	25	49	811	14	2	66	48	1.0	0.5	0.1	0.5	24	4	4	1	374	308	4
1181	39.45	4.69	54.0	2.7	55.08	10.23	8.29	10	0.40	25	54	13	55	672	312	22	0.5	0.5	0.1	0.5	26	4	1	1	881	1076	26
1182	29.44	2.64	108.0	3.0	149.00	2.81	7.26	10	0.06	25	15	13	132	428	3	11	0.5	0.5	0.1	1.0	27	4	1	1	882	857	46
1183	24.54	2.48	14.0	2.9	3.94	4.17	7.07	10	0.12	25	15	13	82	25	3	10	0.5	0.5	0.3	0.5	21	4	7	1	593	619	21
1184	1.56	0.11	53.0	0.7	3.24	5.38	7.03	35	0.20	25	15	13	26	2	3	19	0.5	0.5	2.5	0.5	6	4	7	1	54	46	12
1185	11.77	0.95	33.0	2.0	2.79	3.62	7.66	10	0.14	25	15	13	61	0.5	21	46	1.0	0.5	1.5	0.5	16	4	6	1	486	344	17
1186	28.13	2.26	14.0	3.7	3.55	3.09	8.03	10	0.12	25	36	191	55	167	3	10	0.5	0.5	0.1	0.5	33	4	1	1	933	846	19
1187	20.69	1.77	28.0	3.3	3.60	3.46	8.08	10	0.09	25	15	13	15	102	14	18	0.5	0.5	0.3	0.5	6	4	1	1	405	535	24
1188	17.49	1.44	22.0	3.0	2.94	2.03	7.89	10	0.05	25	15	13	3	40	9	16	0.5	0.5	1.7	1.0	6	4	4	1	393	501	19
1189	19.67	1.66	18.0	3.2	2.97	2.05	8.13	10	0.04	25	15	13	11	16	38	16	0.5	0.5	1.3	0.5	14	4	1	1	483	560	20
1190	29.20	3.40	6.0	2.9	5.50	2.92	9.16	10	0.04	25	15	13	622	173	3	24	0.5	0.5	0.3	0.5	27	4	5	1	635	679	16
1192	24.50	1.94	18.6	1.5	5.58	4.26	10.37	10	0.04	25	15	13	66	45	26	507	0.5	0.5	0.1	0.5	24	4	1	1	495	411	17
1193	39.00	4.34	7.1	2.1	8.61	4.05	10.23	44	0.05	25	47	13	72	553	10	26	0.5	0.5	0.4	0.5	42	11	9	1	809	702	13
1194	30.61	2.10	23.7	2.6	5.50	3.59	8.89	36	0.04	25	44	13	437	250	11	21	0.5	0.5	0.1	0.5	40	4	6	4	857	862	20
1195	36.26	1.77	23.1	2.2	7.73	4.13	11.13	23	0.03	25	49	13	87	274	10	33	0.5	0.5	0.4	0.5	37	4	1	4	927	1069	20
1196	39.94	2.72	6.2	1.4	4.08	4.22	12.56	10	0.05	25	44	13	209	686	3	14	0.5	0.5	0.2	0.5	30	4	1	5	810	756	11
1197	12.97	0.70	36.3	1.2	2.38	2.71	7.64	10	0.04	25	15	13	47	30	72	20	0.5	0.5	1.2	0.5	6	4	3	7	224	375	28
1198	28.21	2.09	4.1	0.8	2.95	3.25	9.65	25	0.06	25	37	22	10	2	44	16	0.5	0.5	0.7	0.5	21	4	4	1	213	379	6
1199	21.26	2.15	15.9	0.9	3.11	5.16	7.50	10	0.11	25	15	13	28	2	21	162	4.0	0.5	0.8	0.5	16	4	1	1	270	377	10

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1201	21H15	353149	5093443		D	100	-	7.59	203	158	99.9	71	-2.51
1202	21H15	353178	5093354		D	120	13	7.38	187	144	89.2	63	-3.08
1203	21H15	353674	5091719		D	88	1	6.94	258	198	105.8	54	-1.17
1204	21H15	353698	5091085		D	-	15	8.03	236	199	117.5	1	-2.28
1205	21H15	353616	5090897	F	D	-	-	6.66	100	85	47.0	1	1.45
1206	21H15	353632	5090597		D	102	12	9.07	310	246	141.6	2	-0.49
1207	21H15	353690	5090440		D	95	31	9.30	378	304	175.7	2	-0.75
1208	21H15	353832	5090203		D	-	-	8.34	291	226	140.5	35	-2.14
1209	21H15	353891	5089735		D	110	1	7.73	230	194	122.3	65	-1.37
1210	21H15	354071	5089175		D	-	12	7.37	190	152	99.3	83	-1.87
1211	21H15	353999	5089088		D	80	1	7.23	185	141	91.3	80	-1.44
1212	21H15	353993	5089165		D	25	75	7.17	520	358	190.4	234	-3.06
1213	21H15	361607	5089402		D	132	20	7.31	163	123	58.5	71	-3.38
1215	21H15	361602	5089202		D	192	5	6.78	133	96	38.2	56	-0.81
1216	21H15	362481	5089315		D	85	13	6.86	141	94	36.6	59	0.43
1217	21H15	362770	5089409		D	90	40	5.90	113	78	25.2	46	-2.55
1218	21H15	363661	5089356		D	110	26	6.91	197	141	75.6	88	-1.94
1219	21H15	363814	5089275		D	120	28	5.71	46	40	13.6	17	-1.82
1221	21H15	365175	5089478		D	60	5	7.20	202	160	82.7	92	-3.27
1222	21H15	364841	5089441		D	85	35	6.86	174	135	69.0	76	-2.41
1223	21H15	366029	5089504		D	85	33	5.60	96	56	8.7	20	0.07
1224	21H15	366604	5089203		D	24	6	5.93	95	66	16.5	26	-0.89
1225	21H15	368438	5089019		D	150	4	9.02	985	690	141.7	9	0.51
1226	21H15	364433	5094875	F	D	80	15	6.41	158	113	52.4	72	1.86
1227	21H15	361417	5089584	F	D	75	6	6.40	132	101	38.1	61	1.19
1228	21H15	364176	5094802		U	-	-	5.50	64	38	10.2	20	-1.88
1229	21H15	364390	5095009		U	-	10	6.42	280	218	53.9	88	1.59
1230	21H15	364425	5095186		D	40	25	5.19	2323	485	3.7	48	0.52
1231	2112	364292	5095500		D	60	4	5.10	56	38	4.1	15	-1.32
1232	2112	364207	5095491		D	30	18	4.96	191	95	3.5	44	-1.25

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1201	23.95	2.80	15.2	0.8	3.73	5.56	5.30	10	0.14	25	15	13	32	2	10	101	0.5	0.5	0.2	0.5	14	4	1	1	248	308	4
1202	21.40	2.52	13.4	1.0	4.99	4.20	6.70	10	0.09	25	15	13	59	0.5	32	35	0.5	0.5	0.8	0.5	6	4	1	1	277	400	9
1203	17.89	2.51	35.7	0.7	12.63	12.56	6.82	10	0.14	25	15	13	2318	165	3	93	0.5	0.5	0.3	0.5	6	4	1	1	100	280	5
1204	0.45	0.01	58.8	0.05	2.38	13.01	6.13	10	0.30	25	15	13	56	2	14	33	0.5	0.5	2.4	0.5	6	4	1	1	8	8	3
1205	0.54	0.01	24.6	0.5	2.30	3.26	6.21	10	0.12	25	15	13	340	10	40	67	0.5	0.5	0.3	1.0	6	4	1	1	8	6	0.5
1206	0.84	0.05	74.9	0.4	2.91	18.54	6.05	10	0.91	25	15	19	22	4	3	2	0.5	0.5	4.6	0.5	6	4	4	1	44	17	7
1207	0.87	0.01	93.0	0.4	2.24	23.98	6.51	10	1.65	25	39	13	44	8	3	2	0.5	0.5	2.7	0.5	6	4	1	1	59	18	8
1208	11.22	1.74	51.9	1.1	2.41	10.71	5.68	10	0.49	25	15	20	71	35	46	9	0.5	0.5	2.9	0.5	21	4	4	1	107	271	13
1209	21.21	3.01	28.6	1.5	2.53	6.82	5.33	10	0.26	25	36	21	1933	29	3	29	0.5	0.5	0.4	0.5	14	4	1	1	184	455	11
1210	25.49	4.89	7.4	1.5	2.45	3.17	5.19	10	0.09	25	39	19	1797	163	3	21	0.5	0.5	0.1	0.5	15	4	1	1	159	522	3
1211	24.12	4.97	5.9	1.3	2.45	3.39	5.32	10	0.10	25	39	19	1798	15	3	12	0.5	0.5	3.9	0.5	22	4	5	1	97	513	2
1212	85.25	5.18	10.2	1.2	27.10	18.51	12.11	10	0.07	79	93	7496	35	9	110	209	0.5	0.5	0.1	0.5	42	11	3	1	605	307	7
1213	25.65	1.81	2.8	0.7	8.73	12.21	11.71	28	0.18	25	37	19	240	346	19	49	0.5	0.5	0.1	0.5	17	4	5	1	21	70	3
1215	19.75	1.75	1.6	0.6	3.35	17.56	10.76	24	0.18	25	15	23	1209	1190	240	20	0.5	0.5	0.5	0.5	6	4	1	1	13	19	1
1216	21.49	1.48	1.9	0.5	11.98	9.52	8.97	26	0.20	25	15	13	195	965	109	19	0.5	0.5	4.1	0.5	16	4	7	1	9	28	0.5
1217	15.85	1.70	2.4	0.6	15.20	7.39	8.83	10	0.12	25	15	191	125	44	60	22	0.5	0.5	0.1	0.5	6	4	5	1	5	20	0.5
1218	33.08	1.40	1.6	0.9	6.77	10.89	10.06	10	0.08	25	41	13	31	86	24	91	0.5	0.5	0.8	0.5	17	4	5	5	21	76	0.5
1219	5.92	0.67	2.8	0.8	4.72	3.27	7.57	10	0.01	25	15	531	36	17	910	250	3.0	2	0.1	0.5	6	4	1	8	1	19	0.5
1221	34.53	1.55	3.3	1.0	2.85	20.09	12.38	10	0.11	25	45	13	367	929	3	12	0.5	0.5	1.2	1.0	6	4	1	4	26	77	1
1222	27.48	1.83	4.5	0.9	5.70	13.41	12.35	10	0.14	25	41	13	30	23	80	16	0.5	0.5	0.1	0.5	6	4	1	1	6	56	0.5
1223	5.25	1.84	7.7	2.8	8.56	8.59	9.12	10	0.03	25	15	3340	18	7	177	16	0.5	0.5	0.1	0.5	6	4	1	1	26	22	0.5
1224	9.27	0.91	6.9	0.7	13.68	7.33	10.12	10	0.05	25	15	13	3	0.5	3	2	0.5	0.5	0.1	0.5	6	4	1	1	1	29	0.5
1225	3.51	0.22	241.5	0.8	213.00	82.73	6.01	10	0.40	2102	589	13	218	9	3	2	9.0	1	0.9	1.0	6	4	1	1	47	87	16
1226	24.30	2.83	4.0	0.7	12.71	7.87	7.41	10	0.16	25	15	13	49	50	110	21	0.5	0.5	0.1	0.5	6	4	1	1	25	61	3
1227	21.35	2.05	3.8	0.5	16.08	7.45	11.06	10	0.15	25	15	13	331	514	119	13	0.5	1	0.1	0.5	6	4	1	1	5	28	4
1228	4.89	1.93	2.9	0.5	10.69	0.81	5.13	10	0.02	25	15	549	95	25	3	46	0.5	0.5	0.1	0.5	6	4	1	1	1	14	0.5
1229	30.26	3.08	32.0	0.8	65.51	7.08	9.70	10	0.10	25	36	13	14190	1448	84	47	10.0	0.5	0.5	0.5	6	4	1	1	26	93	5
1230	9.61	5.88	170.0	0.8	288.00	0.21	5.69	10	0.02	25	15	1248	106	45	45	34	1.0	0.5	0.1	0.5	15	4	5	1	9	48	0.5
1231	3.09	1.94	5.4	0.6	14.27	2.02	5.50	79	0.02	25	15	736	36	54	33	52	0.5	1	0.1	0.5	6	4	1	7	37	19	0.5
1232	7.35	6.41	18.3	1.0	46.78	0.89	5.89	54	0.14	25	15	4846	143	56	37	19	1.0	0.5	0.1	0.5	18	4	3	5	16	53	0.5

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1233	2112	364229	5095802		D	32	20	5.90	92	65	21.4	30	-3.02
1234	2112	364121	5095837		D	150	1	7.88	232	157	92.5	92	-2.83
1236	2112	364127	5096093		D	70	3	6.53	201	138	55.5	64	-2.34
1237	2112	364026	5096073		D	35	-	6.68	152	106	53.5	54	-2.65
1238	2112	364061	5096272		D	75	20	5.57	45	31	7.9	11	-1.25
1239	2112	363975	5096241		D	100	12	7.08	203	156	92.7	95	-2.38
1241	2112	363918	5096442		U	-	10	5.34	71	44	8.0	17	2.92
1242	2112	363838	5096699		D	100	3	7.14	202	166	97.8	96	-3.20
1243	2112	363824	5096767		D	70	1	6.43	96	75	35.3	45	-3.47
1244	2112	363836	5096944		D	110	7	7.29	191	151	85.4	92	-0.92
1245	2112	363811	5097211		U	-	15	7.45	196	157	91.1	93	-2.21
1246	2112	363460	5097442		D	25	10	7.27	167	126	70.8	76	-1.17
1247	2112	363382	5097410		U	-	-	7.35	175	135	70.3	82	-1.15
1248	2112	363275	5097479		D	80	2	7.66	196	163	95.4	94	-1.90
1249	2112	363286	5097634		D	80	3	7.37	167	133	74.8	78	-3.17
1250	2112	363108	5097627		D	75	1	6.60	121	98	46.1	54	-1.31
1251	2112	363048	5097740	S	D	60	16	6.43	232	178	66.1	0	0.19
1252	2112	363005	5097885		D	-	15	5.07	220	104	7.2	49	-2.11
1253	2112	362975	5097919		D	30	30	5.05	126	75	8.4	25	-1.49
1255	2112	362866	5098233		D	47	20	6.47	135	99	51.0	55	-2.42
1256	2112	362806	5098323		D	86	26	6.83	199	152	87.3	88	-3.34
1257	2112	362667	5098371		D	-	15	7.44	250	180	104.4	96	-1.39
1258	2112	362626	5098605		U	-	-	7.95	278	225	124.4	52	3.26
1259	2112	362495	5098630		D	120	-	7.81	315	255	147.4	64	-1.68
1261	2112	362421	5098776		D	105	35	6.79	365	258	100.7	96	-1.23
1262	2112	362316	5098957		D	135	40	8.95	410	331	173.8	4	3.46
1263	2112	362144	5099216		D	-	15	8.77	353	281	122.1	5	-0.18
1264	2112	362100	5099317		D	95	10	8.52	445	321	108.9	15	0.58
1265	2112	362059	5099551		D	-	-	8.96	519	393	162.2	4	-0.33
1266	2112	361950	5099521		D	-	20	8.97	634	498	189.9	4	-0.95

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1233	10.61	1.05	3.0	0.9	6.82	8.67	5.90	74	0.32	25	15	20	5567	425	452	1670	18.0	1	0.1	0.5	21	4	6	7	18	35	0.5
1234	33.38	2.23	3.6	0.6	4.31	7.69	11.09	26	0.19	25	39	13	588	656	3	48	0.5	0.5	0.7	0.5	15	4	4	1	33	126	6
1236	22.96	1.77	11.6	0.5	24.64	3.97	8.41	10	0.15	25	15	23	6989	1620	3	205	0.5	0.5	1.4	0.5	16	4	5	1	10	56	4
1237	19.37	1.55	5.8	0.5	8.30	5.71	7.40	24	0.19	25	15	28	2049	1090	18	44	0.5	0.5	2.2	0.5	18	4	6	5	9	43	0.5
1238	3.24	0.93	3.7	0.3	5.71	2.87	5.53	24	0.06	25	15	586	104	7	44	12	0.5	0.5	0.1	1.0	6	4	1	5	1	11	0.5
1239	34.98	2.11	2.2	0.6	3.52	7.88	11.16	46	0.24	25	15	37	260	595	10	12	0.5	0.5	0.5	1.0	19	4	4	9	22	116	5
1241	5.03	1.15	7.1	0.4	9.59	3.10	6.75	25	0.03	25	15	2263	31	21	3	115	0.5	0.5	0.1	1.0	6	4	1	1	43	23	0.5
1242	35.00	2.12	4.4	0.5	4.05	9.00	11.54	26	0.23	25	15	24	330	660	34	130	0.5	0.5	0.5	0.5	6	4	1	6	38	170	5
1243	16.17	1.18	0.5	0.3	5.76	5.94	7.77	10	0.15	25	15	13	1198	1157	3	51	0.5	0.5	0.1	0.5	6	4	6	6	8	27	2
1244	33.73	1.98	3.6	0.5	5.53	8.61	10.28	28	0.26	25	158	13	345	695	12	13	0.5	0.5	2.8	0.5	17	4	8	4	56	155	5
1245	34.19	2.06	3.9	0.6	5.09	8.48	10.36	27	0.28	25	15	23	450	571	10	12	0.5	0.5	2.4	0.5	16	4	1	6	64	159	6
1246	27.54	1.88	2.9	0.5	3.28	9.02	9.03	10	0.26	25	15	27	622	427	58	12	0.5	0.5	2.5	0.5	15	4	1	1	55	136	4
1247	29.73	2.06	3.2	0.5	7.15	11.03	10.09	10	0.25	25	15	23	414	505	3	15	0.5	0.5	1.3	0.5	6	4	1	1	65	168	5
1248	33.92	2.36	5.4	0.6	3.36	9.95	11.04	10	0.31	25	15	29	158	533	3	12	0.5	0.5	1.3	0.5	6	4	1	5	120	232	7
1249	29.83	1.02	2.5	0.3	3.65	9.20	9.07	28	0.22	25	15	35	1600	1005	3	41	0.5	1	7.1	1.0	6	4	1	7	184	64	4
1250	19.46	1.38	3.5	0.4	3.46	12.24	8.02	54	0.13	25	15	24	2849	628	3	154	0.5	0.5	0.8	0.5	14	4	1	6	102	57	8
1251	0.07	0.04	53.9	5.5	36.70	5.77	10.10	32	0.05	25	15	30	124	4	10	45	0.5	0.5	3.7	1.0	6	4	13	6	1	1	0.5
1252	11.60	5.08	21.2	0.05	33.01	6.36	6.64	145	0.07	25	15	11267	104	362	103	31	3.0	0.5	0.1	0.5	36	4	8	6	674	95	7
1253	6.54	2.33	15.0	0.8	21.43	9.46	7.11	63	0.03	25	15	3843	60	185	63	79	3.0	0.5	0.3	2.0	24	4	14	1	161	37	1
1255	19.72	1.59	3.0	0.5	9.11	2.61	8.29	43	0.09	25	15	22	1740	670	12	64	0.5	0.5	1.0	0.5	18	4	14	6	293	496	6
1256	32.22	1.95	4.4	0.5	8.77	6.14	9.11	10	0.10	25	15	32	202	784	175	26	0.5	0.5	0.1	0.5	6	4	3	1	263	622	9
1257	33.17	3.29	10.9	1.1	11.51	4.85	8.26	10	0.19	25	37	37	121	544	27	40	0.5	0.5	1.2	0.5	6	4	1	1	398	980	19
1258	18.91	1.25	49.3	0.5	12.03	8.31	9.14	57	0.27	25	15	26	245	151	3	22	0.5	0.5	0.3	2.0	6	4	1	5	136	588	18
1259	22.21	2.19	49.5	1.1	17.94	6.58	6.11	10	0.30	25	15	33	93	235	3	20	3.0	0.5	0.8	0.5	6	4	1	1	299	633	19
1261	32.38	3.83	42.4	0.4	59.87	5.27	10.92	10	0.33	25	15	899	43	8	17	35	0.5	0.5	0.7	1.0	20	4	1	1	598	193	14
1262	1.53	0.07	108.8	0.3	5.63	30.60	5.93	10	4.36	25	55	26	3	4	3	2	0.5	0.5	0.7	1.0	6	4	1	4	34	49	8
1263	1.86	0.11	88.9	0.3	30.90	29.04	6.06	29	1.35	138	37	38	510	14	3	2	0.5	0.5	0.2	1.0	6	4	1	1	16	60	6
1264	5.62	0.29	102.1	0.3	65.40	29.22	7.19	10	1.27	310	38	37	17	32	3	2	0.5	0.5	0.2	0.5	6	4	1	7	40	213	19
1265	1.84	0.09	128.1	0.3	42.35	45.25	5.91	10	6.37	161	58	30	3	11	3	2	0.5	0.5	0.6	3.0	6	4	1	7	27	64	9
1266	1.79	0.10	162.7	0.3	40.86	84.20	6.06	31	11.70	138	61	31	3	10	3	11	0.5	1	0.2	2.0	6	4	1	8	11	64	11

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1267	2112	361991	5099620		D	-	-	8.77	626	461	142.6	10	-3.88
1268	2112	361635	5100317		D	40	-	6.13	146	84	25.8	32	1.20
1269	2112	361736	5100326		D	-	-	8.65	1267	842	117.5	15	-0.77
1270	2112	361716	5100493		D	65	15	6.43	924	542	68.0	184	-1.85
1271	2112	361652	5100416		D	-	55	6.94	573	373	129.3	155	-2.47
1272	2112	354656	5100478		D	80	15	8.82	505	424	241.1	6	3.24
1273	2112	354853	5100640		D	110	11	7.86	356	261	141.0	67	3.09
1274	2112	354064	5100670		U	-	-	8.83	920	701	194.4	12	-2.56
1276	2112	354098	5100769		U	-	-	8.48	1656	1105	146.6	30	-2.38
1277	2112	353872	5100719		D	120	25	8.94	857	589	154.9	12	-2.26
1278	2112	353687	5100756		D	170	1	8.33	608	447	176.8	29	0.81
1279	2112	353573	5100837		D	16	5	7.00	139	107	40.42	38	-1.10
1281	2112	353563	5100770		U	12	-	5.08	4660	1680	10.8	557	-0.74
1282	2112	351871	5100900		D	-	1	9.05	437	374	234.2	5	1.19
1283	2112	352617	5100704		U	-	-	7.62	504	420	214.0	50	-0.83
1284	2112	351388	5101067		U	-	-	8.99	517	428	250.6	4	1.81
1285	2112	351847	5101178		D	185	12	8.31	1631	1092	152.2	33	-0.10
1286	2112	351449	5101043		D	180	40	8.98	517	452	268.4	4	1.57
1287	2112	351111	5101140		U	-	16	9.06	490	401	238.5	3	0.91
1288	2112	350546	5101176		D	105	18	8.95	493	402	242.0	3	1.02
1289	2112	350198	5101185		U	-	-	5.52	1091	575	20.8	337	1.08
1290	2112	349715	5101063		D	-	40	9.02	466	387	226.7	6	2.57
1291	2112	349762	5101073	F	U	-	10	8.44	1142	771	195.8	23	-2.54
1292	2112	349646	5101054		D	120	15	9.03	482	387	230.3	3	2.32
1293	2112	349498	5101024		D	155	17	8.94	475	376	224.4	3	2.77
1294	2112	349464	5100925		D	125	15	8.74	603	486	243.3	4	-2.18
1295	2112	349402	5100904		D	150	15	8.86	632	513	241.4	5	2.40
1296	2112	349389	5101004		D	150	15	8.81	831	633	219.1	8	0.41
1298	2112	349070	5100923		U	-	15	9.10	454	375	225.7	3	-0.02
1299	2112	348960	5100859		D	190	16	8.83	668	528	243.8	5	1.21

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1267	3.85	0.17	147.8	0.2	110.00	45.64	5.67	10	5.21	25	56	25	20	15	3	2	0.5	0.5	0.7	1.0	6	4	1	1	35	133	12
1268	10.41	1.62	14.7	1.1	7.00	10.22	5.94	10	0.02	25	15	7177	107	57	81	41	0.5	0.5	0.1	0.5	6	4	1	1	281	60	0.5
1269	5.89	0.29	301.2	0.6	343.00	61.54	5.51	90	5.97	2109	45	34	338	20	3	28	0.5	0.5	0.8	1.0	6	4	1	1	19	233	10
1270	59.46	8.77	117.2	1.9	266.00	8.25	8.67	10	0.15	25	45	2192	31	62	130	938	0.5	0.5	0.1	1.0	31	4	1	1	808	791	9
1271	52.92	5.59	55.3	1.7	108.00	7.07	10.48	33	0.27	25	41	959	3	4	299	160	0.5	0.5	0.1	1.0	28	4	1	9	488	993	19
1272	2.19	0.16	137.1	0.3	15.39	20.16	6.56	27	0.71	25	15	23	10	10	65	21	0.5	0.5	0.1	0.5	6	4	1	8	45	68	12
1273	23.35	2.18	54.0	1.8	19.85	7.37	9.21	34	0.16	25	15	35	38	99	17	32	0.5	0.5	0.3	0.5	17	4	1	8	513	958	31
1274	4.54	0.22	233.2	0.4	210.00	49.82	6.20	32	1.90	25	82	39	9	2	11	6	1.0	0.5	0.1	1.0	6	4	1	1	89	140	16
1276	11.19	0.63	384.4	0.7	488.00	64.19	5.74	10	2.78	1826	47	26	8	32	19	23	2.0	0.5	0.3	0.5	18	4	1	1	131	379	20
1277	3.93	0.64	197.7	1.5	202.00	21.99	5.63	27	0.64	953	91	59	12	35	3	6	0.5	0.5	3.8	2.0	6	4	1	5	78	120	11
1278	8.27	2.20	137.6	2.9	89.80	20.80	6.63	26	0.95	25	70	31	102	104	32	24	0.5	0.5	2.3	0.5	14	4	1	5	132	236	10
1279	10.45	3.03	13.7	2.1	13.36	11.30	10.13	32	0.09	25	15	405	813	871	13	1754	0.5	0.5	3.0	0.5	20	4	3	4	75	45	2
1281	124.46	60.11	415.6	7.5	1035.00	12.42	6.86	312	0.07	25	111	3336	363	218	930	232	0.5	1	0.2	2.0	177	16	13	1	1897	920	0.5
1282	1.71	0.38	115.9	0.5	4.33	9.92	6.15	78	0.69	25	15	32	50	9	3	6	0.5	1	0.8	1.0	6	4	1	1	30	38	12
1283	18.81	0.96	105.2	2.9	15.92	48.97	9.47	40	0.45	59	106	32	2364	75	96	144	7.0	0.5	0.5	1.0	16	4	3	1	303	279	11
1284	1.57	0.18	136.4	0.5	3.47	25.18	6.02	24	3.65	25	15	13	3	7	24	2	0.5	0.5	0.3	0.5	6	4	1	1	19	48	12
1285	12.28	0.60	386.2	0.9	419.00	107.00	5.91	10	7.23	3128	15	288	184	58	71	35	0.5	0.5	0.1	0.5	31	18	13	1	49	401	23
1286	1.54	0.10	143.4	0.4	3.76	25.62	6.09	62	2.49	25	15	13	30	2	3	10	0.5	0.5	0.4	1.0	6	4	1	1	14	45	12
1287	1.35	0.09	126.1	0.4	4.58	22.00	5.96	85	2.18	25	15	13	31	3	37	8	0.5	0.5	1.6	1.0	6	4	15	1	32	34	11
1288	1.43	0.09	126.4	0.4	2.67	19.81	6.25	33	2.81	25	15	22	58	6	41	2	0.5	0.5	0.4	1.0	6	4	9	1	28	39	15
1289	102.38	19.89	76.5	2.1	335.00	5.32	8.76	147	0.08	61	98	34	787	75	990	160	0.5	0.5	0.2	1.0	70	16	3	4	1207	2488	17
1290	2.26	0.26	124.0	0.5	7.56	14.34	6.92	288	4.16	25	15	20	132	4	11	19	0.5	0.5	0.1	1.0	6	4	4	1	16	58	11
1291	8.71	0.45	256.4	0.6	255.00	43.25	5.80	40	4.34	1172	15	35	75	26	3	13	0.5	0.5	0.3	0.5	6	4	1	1	17	345	22
1292	1.17	0.07	124.0	0.4	3.60	18.61	6.15	48	2.40	25	15	25	79	3	48	2	0.5	0.5	0.7	1.0	6	4	3	7	9	33	12
1293	1.15	0.06	121.5	0.4	12.16	9.00	6.15	28	0.99	25	15	20	38	2	53	6	0.5	1	0.2	0.5	6	4	3	4	28	33	14
1294	1.65	0.07	153.7	0.5	68.53	11.43	6.16	10	1.01	55	15	27	19	4	3	2	0.5	0.5	0.1	1.0	6	4	1	1	23	50	20
1295	2.13	0.10	167.5	0.4	7.33	81.26	5.96	10	6.43	25	15	19	10	10	3	2	0.5	0.5	0.3	1.0	6	4	1	1	13	64	16
1296	3.13	0.15	212.2	0.6	102.00	83.43	5.83	33	6.33	311	15	103	22	22	3	2	0.5	0.5	0.1	1.0	6	4	6	4	21	93	22
1298	1.15	0.08	116.2	0.4	7.80	16.07	6.10	35	1.18	25	15	20	14	7	22	2	0.5	0.5	0.5	0.5	6	4	4	1	31	32	12
1299	2.14	0.13	169.8	0.5	4.73	93.49	6.24	90	7.26	25	15	31	83	10	13	72	10.0	0.5	1.5	1.0	6	4	1	5	7	63	16

GSC Open File 2912

Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1301	2112	348533	5100836	F	D	205	7	8.90	646	493	243.0	6	2.14
1302	2112	348207	5100778		D	100	-	8.15	771	564	270.3	104	-3.24
1303	2112	348528	5100937		U	-	7	8.92	594	500	215.7	7	-1.53
1304	2112	347828	5100787		D	125	10	8.84	509	377	214.2	5	0.85
1305	2112	347765	5100767		D	-	12	9.15	441	360	212.4	2	2.38
1306	2112	347535	5100539		D	100	19	9.14	426	338	211.2	2	-0.61
1307	2112	347342	5100555		D	225	25	8.92	595	490	217.9	4	-1.82
1308	2112	347045	5100451		D	100	26	9.01	477	375	216.6	3	2.41
1309	2112	346967	5100431		D	-	-	7.79	416	317	156.8	41	2.33
1310	2112	346897	5100410		D	50	20	9.02	403	328	197.4	4	2.71
1311	2112	346684	5100271		D	156	34	9.11	443	366	222.5	3	2.76
1312	2112	346390	5100256		D	70	35	9.20	383	324	206.2	2	0.94
1313	2112	346241	5100171		D	-	25	7.35	252	197	127.1	98	-3.29
1314	2112	346180	5100239		U	-	-	7.62	299	239	154.9	106	-1.95
1315	2112	345998	5100088		D	-	14	7.25	2933	235	146.3	123	-1.08
1316	2112	345780	5100038		U	-	13	7.22	1393	800	133.3	448	-2.41
1318	2112	345712	5100095		D	100	17	9.07	445	357	170.9	3	-2.89
1319	2112	345562	5099954		D	-	18	8.76	714	502	173.3	8	-1.88
1321	2112	345468	5099912		D	125	1	8.87	490	419	255.3	4	1.72
1322	2112	345363	5099770		U	-	-	8.71	486	411	245.7	5	-0.48
1323	2112	345277	5099706		D	110	14	8.75	472	396	250.0	4	0.72
1324	2113	345049	5099589		D	200	5	8.49	505	435	277.2	4	0.91
1325	2113	345037	5099434		D	-	14	8.00	362	305	190.5	55	-1.85
1326	2113	344835	5099383		U	-	-	8.76	514	430	271.1	4	1.10
1327	2113	344767	5099152		D	100	-	7.45	340	264	170.2	143	-2.57
1328	2113	344469	5099003		D	-	-	7.98	4799	418	259.6	18	-1.83
1329	2113	343894	5098306		D	136	1	8.54	1159	734	169.0	12	2.43
1330	2112	376649	5106000		U	-	-	8.52	559	473	294.3	5	0.84
1331	2112	376603	5106023		D	75	-	7.47	376	286	185.3	166	-2.78
1332	2112	376442	5106093		D	165	10	8.41	441	405	245.4	25	-3.48

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1301	2.26	0.11	160.2	0.5	2.46	70.90	6.14	10	7.64	25	15	20	38	18	3	2	0.5	0.5	0.3	1.0	6	4	1	5	15	69	16
1302	32.11	5.95	139.2	1.0	72.55	23.31	6.28	32	2.91	66	53	9181	79	10	30	708	2.0	1	0.4	0.5	19	4	1	4	177	960	20
1303	2.53	0.20	158.4	0.5	51.40	59.97	5.99	31	4.84	25	15	24	42	8	25	20	0.5	0.5	0.6	0.5	6	4	1	5	68	71	17
1304	1.82	0.13	118.8	0.5	18.05	16.11	6.14	28	1.25	69	15	23	38	6	26	15	0.5	0.5	3.4	0.5	6	4	3	6	32	55	16
1305	1.06	0.08	115.0	0.4	2.99	19.69	6.26	29	1.82	25	15	13	15	9	58	10	0.5	0.5	0.6	0.5	6	4	1	4	47	32	11
1306	1.11	0.05	103.2	0.5	2.82	11.04	6.61	38	1.55	25	15	55	3	6	8	7	0.5	0.5	1.3	0.5	6	4	1	6	20	32	12
1307	1.71	0.08	156.5	0.4	48.60	51.20	6.32	59	7.06	25	37	32	17	5	20	8	0.5	0.5	0.3	0.5	6	4	1	7	11	52	15
1308	1.21	0.07	122.0	0.4	16.06	9.48	6.45	101	2.81	25	15	25	18	3	14	7	0.5	0.5	1.1	0.5	6	4	1	1	13	34	12
1309	15.09	0.94	86.9	0.8	39.65	7.78	8.52	37	0.16	25	15	27	41	3	12	191	0.5	0.5	2.3	0.5	6	4	4	1	119	206	19
1310	1.53	0.08	105.0	0.3	3.77	11.05	6.33	62	2.41	25	15	40	16	2	124	6	0.5	0.5	1.7	0.5	6	4	44	1	9	41	16
1311	1.17	0.08	118.1	0.2	4.78	12.23	5.50	22	1.67	25	15	26	20	6	10	7	0.5	0.5	0.7	0.5	6	4	3	1	35	30	12
1312	1.00	0.06	100.8	0.3	2.88	6.49	5.66	24	0.47	25	15	24	27	7	23	17	0.5	1	0.1	0.5	6	4	3	1	6	26	11
1313	34.56	3.06	13.1	0.3	3.10	4.84	9.70	10	0.13	25	36	32	95	867	47	15	0.5	0.5	0.2	0.5	17	4	1	1	174	337	6
1314	36.61	3.78	23.0	1.9	5.56	3.46	8.59	28	0.13	25	43	47	20	6	18	42	0.5	0.5	0.3	0.5	22	4	13	1	156	826	22
1315	42.28	4.30	14.6	1.7	7.70	4.19	11.34	10	0.13	25	49	35	97	554	9	25	0.5	0.5	0.5	0.5	21	4	9	1	454	926	18
1316	153.67	15.78	88.0	4.6	385.00	4.01	8.87	30	0.08	560	139	781	10	10	21	45	0.5	0.5	0.3	0.5	85	15	4	1	2374	3720	14
1318	1.28	0.10	112.6	0.4	62.12	3.35	5.74	24	0.70	25	15	30	20	3	36	12	0.5	0.5	0.3	0.5	6	4	1	1	8	34	13
1319	3.09	0.17	167.2	0.3	145.00	6.47	6.11	37	0.17	54	15	519	40	12	51	17	9.0	0.5	4.9	0.5	6	4	1	1	25	84	25
1321	1.66	0.11	132.4	0.9	4.32	16.73	5.49	60	1.93	25	15	13	12	9	22	2	0.5	0.5	0.7	0.5	6	4	1	1	37	42	16
1322	2.13	0.12	126.0	0.8	11.81	17.12	5.50	10	1.29	60	15	96	3	12	3	2	0.5	2	0.9	0.5	6	4	1	1	34	55	19
1323	1.77	0.11	123.0	0.3	3.30	10.69	5.57	10	1.17	98	15	30	3	0.5	10	2	2.0	0.5	0.6	0.5	6	4	1	1	12	46	16
1324	1.51	0.10	135.6	0.3	4.27	9.07	6.32	10	0.54	25	15	56	14	15	3	7	0.5	0.5	0.9	0.5	6	4	1	4	32	42	26
1325	19.24	1.71	67.5	1.1	6.49	10.72	6.65	21	0.26	25	15	141	29	186	9	11	0.5	0.5	0.4	0.5	22	4	7	1	259	519	24
1326	1.44	0.13	135.1	0.3	5.34	10.27	5.66	41	0.97	25	15	68	15	15	15	6	3.0	0.5	0.4	0.5	6	4	3	6	26	38	20
1327	46.99	6.50	14.4	1.6	5.38	9.40	7.27	40	0.23	25	57	116	549	327	26	42	0.5	0.5	0.2	0.5	37	12	13	5	326	1149	14
1328	6.67	0.43	118.9	0.8	6.16	18.82	6.17	34	0.26	25	42	99	60	58	66	60	0.5	0.5	0.1	0.5	6	4	1	1	103	175	34
1329	4.63	0.22	265.0	0.5	215.00	66.93	5.19	89	6.99	1976	15	35	58	35	3	13	0.5	0.5	0.4	0.5	6	4	1	1	18	126	28
1330	2.13	0.15	150.7	0.4	6.15	7.42	4.84	23	6.85	25	57	33	86	13	20	17	0.5	0.5	0.5	0.5	6	4	1	5	63	82	13
1331	53.70	7.81	12.6	0.8	7.24	9.92	7.33	50	0.13	116	54	25	39	210	13	49	0.5	0.5	0.4	0.5	32	12	1	5	314	331	6
1332	8.57	0.99	112.6	0.6	25.91	2.98	4.96	31	2.28	142	54	13	92	26	3	7	0.5	0.5	0.8	0.5	6	4	1	1	112	253	13

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1334	2112	376220	5106197		U	-	-	8.48	633	528	329.5	6	1.73
1335	2112	376090	5106289		U	-	10	8.54	563	362	195.0	7	3.08
1336	2112	375120	5106097	F	D	21	-	7.08	309	212	121.7	130	-1.46
1337	2112	375309	5106271		D	250	14	8.47	679	524	265.2	16	0.15
1338	2112	374978	5105956		D	112	18	9.00	443	352	201.9	3	1.00
1339	2112	374862	5105936		D	-	13	8.95	438	361	229.9	3	0.30
1341	2112	374662	5106029		D	80	-	8.78	387	327	182.7	5	3.08
1342	2112	374601	5106064		D	-	16	8.91	458	377	236.6	3	2.85
1343	2112	374195	5106250		D	-	15	9.02	377	306	186.7	4	1.84
1344	2112	374394	5106123		D	185	8	9.16	430	341	215.8	2	-0.14
1345	2112	374007	5106498		U	-	-	9.03	484	393	251.0	3	1.33
1346	2112	373799	5106547		U	174	12	8.62	738	634	412.9	6	1.67
1347	2112	373692	5106582		D	13	70	6.92	278	204	114.0	116	-3.22
1348	2112	373298	5106624		D	-	-	8.20	410	296	169.3	80	-1.36
1349	2112	373176	5106715		D	290	10	7.95	920	771	413.4	16	-1.83
1350	2112	373053	5106751		D	65	4	7.64	604	374	119.1	140	3.21
1351	2112	372798	5106723		D	57	5	8.26	432	325	167.4	37	2.61
1352	2112	372754	5106835		U	-	15	7.66	331	262	153.6	121	0.31
1353	2112	372599	5106838		D	96	11	7.84	311	240	138.9	86	0.14
1354	2112	372300	5106800	F	U	-	12	8.25	510	388	199.8	34	3.12
1355	2112	372405	5106809		D	230	22	8.57	421	314	171.5	14	-0.68
1356	2112	372335	5106766		D	64	2	7.82	717	535	214.7	88	-2.57
1358	2112	372281	5106778		D	150	1	8.29	464	362	184.8	56	1.51
1359	21H15	373896	5089327		U	-	-	7.48	267	207	105.8	119	-2.05
1361	21H15	373785	5090363		D	13	35	7.29	136	107	60.9	65	-1.40
1362	21H15	373635	5090233		D	50	35	8.73	399	341	129.8	21	-2.43
1363	21H15	373469	5090448		D	12	60	7.02	783	524	129.5	361	-2.51
1364	21H15	373555	5090479		D	79	-	8.19	348	262	115.1	89	-0.95
1365	21H15	373490	5090725		D	6	30	7.05	1068	639	154.9	436	-1.25
1366	21H15	373515	5090825		D	20	4	8.96	383	346	215.0	42	1.00

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1334	2.33	0.17	170.7	0.3	13.01	0.17	4.69	33	6.63	74	56	24	36	16	9	12	0.5	0.5	1.0	0.5	6	4	1	1	94	94	14
1335	2.53	0.19	119.4	0.4	27.73	8.42	4.74	30	3.25	135	55	24	15	14	3	2	0.5	1	0.3	0.5	6	4	1	5	153	102	14
1336	44.50	4.84	9.6	0.4	15.03	9.67	4.37	10	0.07	25	59	1104	70	7	222	420	5.0	0.5	0.1	0.5	20	4	8	1	83	143	0.5
1337	6.03	0.38	168.5	0.4	67.40	3.99	4.84	10	7.01	25	69	36	64	36	24	17	0.5	0.5	0.1	0.5	6	4	1	1	258	240	10
1338	1.21	0.08	110.9	0.1	5.77	25.14	5.09	28	1.40	25	36	35	15	6	3	2	0.5	0.5	0.1	0.5	6	4	1	1	65	46	8
1339	1.08	0.09	113.4	0.4	3.94	2.89	4.84	55	3.91	25	48	29	24	6	3	8	1.0	0.5	0.1	0.5	6	4	1	4	40	40	8
1341	1.94	0.18	104.9	0.3	5.31	24.74	5.29	32	1.61	25	15	21	115	18	14	8	0.5	0.5	0.4	0.5	6	4	7	1	67	57	7
1342	1.19	0.09	123.2	0.2	4.21	0.92	4.99	111	4.96	25	52	13	49	52	3	2	0.5	0.5	0.4	0.5	6	4	9	1	27	43	8
1343	1.62	0.11	96.7	0.2	4.22	7.50	6.11	22	2.64	25	50	19	19	11	9	6	0.5	0.5	0.1	0.5	6	4	1	1	95	61	9
1344	0.99	0.07	107.1	0.2	4.26	0.66	5.97	37	5.41	25	61	13	36	4	3	2	0.5	0.5	0.1	0.5	6	4	6	1	96	37	7
1345	1.22	0.07	125.2	0.2	4.05	0.20	6.50	10	4.51	25	63	13	26	6	10	2	0.5	0.5	0.4	0.5	6	4	1	1	79	48	8
1346	2.53	0.15	202.2	0.3	4.49	0.12	5.89	10	5.08	25	57	20	19	13	3	2	0.5	0.5	4.4	0.5	6	4	1	1	203	105	13
1347	37.47	5.51	10.6	1.0	8.03	16.15	8.36	38	0.12	25	41	2173	60	10	11	127	0.5	0.5	0.1	0.5	23	4	4	1	196	145	3
1348	23.85	5.18	55.0	1.2	13.20	19.06	8.42	10	0.15	25	15	24	164	183	15	25	0.5	0.5	0.1	0.5	21	4	4	1	140	448	8
1349	5.80	0.39	242.8	0.4	91.90	0.19	6.83	68	8.47	25	76	30	296	44	3	7	0.5	0.5	0.2	0.5	6	4	1	1	293	233	18
1350	42.42	8.47	72.9	1.8	110.00	8.69	8.30	21	0.21	25	60	38	265	317	21	40	0.5	0.5	0.2	0.5	17	4	1	1	265	939	12
1351	12.85	1.39	91.2	1.0	32.71	10.20	6.72	23	0.69	25	41	23	49	95	33	55	0.5	0.5	0.5	0.5	6	4	1	1	289	421	10
1352	37.40	6.74	27.2	1.6	9.41	14.53	9.97	21	0.13	25	46	21	78	232	9	24	0.5	0.5	0.2	0.5	6	4	7	1	195	960	8
1353	25.73	5.49	35.5	1.4	9.31	13.21	9.67	41	0.15	25	15	25	49	64	185	30	0.5	0.5	0.5	0.5	6	4	6	4	210	640	7
1354	11.42	1.40	115.3	0.9	39.87	10.86	6.91	26	0.78	25	15	13	36	0.5	140	42	0.5	0.5	0.1	0.5	6	4	5	1	182	368	11
1355	5.14	0.53	92.2	0.7	22.94	12.65	6.68	29	1.01	80	38	19	34	22	9	8	0.5	0.5	0.1	0.5	14	4	1	1	177	187	9
1356	28.85	4.13	135.5	1.2	124.00	13.46	6.95	33	1.23	25	63	23	3395	571	15	15	0.5	0.5	0.1	0.5	32	4	1	5	707	632	10
1358	17.59	3.10	94.4	1.1	39.65	12.67	6.83	25	0.84	25	42	13	376	112	16	9	0.5	0.5	0.1	0.5	16	4	4	1	219	413	5
1359	45.44	1.54	10.9	0.3	19.83	15.61	6.53	38	0.05	25	46	31	31	2	46	48	6.0	0.5	0.2	0.5	33	4	10	1	437	56	1
1361	24.02	1.33	3.0	0.1	5.22	5.46	6.19	37	0.08	25	15	33	159	14	975	350	0.5	0.5	0.1	0.5	36	4	1	1	129	72	1
1362	6.62	1.13	102.0	1.0	76.00	17.56	5.66	10	0.48	105	380	27	90	11	32	41	0.5	1	3.8	0.5	6	4	1	1	43	116	15
1363	125.25	11.93	23.8	1.2	210.00	10.60	9.26	26	0.05	90	120	284	54	10	193	58	0.5	0.5	0.3	0.5	69	10	7	1	1329	486	12
1364	28.09	4.62	45.2	1.0	45.00	13.16	8.44	75	0.09	25	118	156	91	4	20	18	0.5	0.5	1.2	0.5	32	4	9	1	398	390	19
1365	152.78	13.56	35.5	0.7	255.00	14.39	9.76	35	0.04	133	150	25	42	17	36	49	0.5	0.5	0.1	0.5	82	15	5	1	1629	350	6
1366	15.22	1.18	90.7	0.4	8.82	7.70	6.67	42	0.15	25	239	43	45	5	28	13	1.0	0.5	1.0	0.5	6	4	1	1	21	48	15

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1367	21H15	373741	5090853		D	11	25	7.50	273	221	127.1	142	0.45
1368	21H15	373826	5090863		D	-	-	7.41	313	258	160.0	160	-2.63
1369	21H15	374021	5090925		D	150	31	9.60	650	539	293.8	2	2.03
1370	21H15	374058	5090814		D	17	60	6.80	1022	678	170.8	287	-3.37
1371	21H15	373548	5090524		U	-	-	7.11	544	401	236.5	270	0.80
1372	21H15	373378	5090950		D	42	50	7.07	232	185	77.4	102	-1.13
1373	21H15	373200	5090920		D	18	13	7.02	535	353	115.6	219	-3.26
1374	21H15	373247	5090975		D	13	48	7.17	316	240	122.6	120	-3.10
1375	21H15	373107	5090944		U	-	-	7.32	476	337	159.2	202	-2.05
1377	21H15	372901	5091115		D	118	21	8.40	4010	2378	80.7	69	-0.42
1378	21H15	372730	5091096		D	115	14	9.26	784	576	172.3	5	-0.87
1379	21H15	372638	5091121		D	135	12	9.44	328	270	156.8	3	-0.62
1381	21H15	372673	5091309		U	-	-	7.00	124	98	42.6	49	-3.92
1382	21H15	372564	5091289		D	85	17	7.78	284	202	92.3	131	-2.36
1383	21H15	372537	5091478		U	-	-	7.81	225	164	91.9	102	-1.39
1384	21H15	372388	5091415		D	-	-	8.00	343	280	162.6	63	-1.51
1385	21H15	372437	5091525		D	20	24	8.27	573	479	250.0	35	-0.29
1386	21H15	372329	5091549		D	152	25	8.18	532	452	243.8	18	-1.09
1387	21H15	372306	5091583		D	14	30	6.65	2620	1426	183.2	648	-3.09
1388	21H15	372309	5091728		D	110	4	7.25	1317	1122	135.1	706	0.67
1389	21H15	372172	5091842		D	6	-	7.16	653	463	205.2	271	-3.26
1390	21H15	371991	5092101		U	6	-	6.89	464	324	134.3	193	-2.90
1392	21H15	372198	5091963		D	55	18	7.66	412	309	152.5	195	-2.88
1393	21H15	371484	5092678		D	12	60	6.35	206	142	67.6	80	0.90
1394	21H15	371362	5092781		D	70	9	7.80	254	204	129.8	126	-0.50
1395	21H15	371163	5092907		D	59	34	7.11	698	497	260.9	311	-2.50
1396	21H15	370813	5093570	S	D	16	12	6.31	1143	715	93.2	0	-2.24
1397	21H15	370016	5093998		D	22	5	7.10	502	363	190.2	230	-2.80
1398	21H15	370086	5093986		D	20	6	6.95	554	360	154.5	243	-2.74
1399	21H15	369494	5094221		U	-	-	7.51	364	254	152.4	131	-1.59

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1367	50.10	4.20	7.1	0.2	15.63	7.36	8.21	10	0.04	25	57	55	92	2	653	41	0.5	0.5	0.1	0.5	23	4	12	1	358	148	7
1368	56.01	4.95	7.0	0.4	12.70	7.70	8.15	10	0.03	25	67	35	75	2	27	30	0.5	0.5	0.1	0.5	28	4	10	1	651	193	9
1369	0.85	0.13	178.3	0.3	54.51	3.20	6.80	10	0.46	108	524	22	138	2	9	2	0.5	0.5	0.8	0.5	6	4	1	1	33	16	41
1370	108.25	4.34	106.7	2.2	242.00	35.76	4.09	10	0.04	204	133	2835	125	31	29	360	0.5	0.5	0.1	0.5	27	9	7	1	230	142	1
1371	96.06	7.56	9.3	0.6	28.47	9.94	10.37	25	0.06	142	91	143	130	1170	41	1769	0.5	0.5	0.9	0.5	46	12	5	1	279	285	5
1372	35.54	3.31	15.3	0.9	30.39	8.38	9.70	10	0.02	25	15	3150	62	2	39	25	0.5	0.5	0.4	0.5	19	4	6	1	280	94	6
1373	70.93	10.36	22.2	0.8	105.00	15.24	10.10	29	0.02	25	80	2257	84	12	161	52	0.5	0.5	0.2	0.5	39	11	9	1	392	251	13
1374	38.06	6.25	22.5	0.7	16.05	21.79	8.29	31	0.04	163	48	3884	19	0.5	277	55	0.5	0.5	0.3	0.5	16	4	6	1	200	106	8
1375	67.81	8.08	22.4	2.0	44.78	15.47	8.20	24	0.07	25	132	7438	86	18	32	64	0.5	0.5	0.9	0.5	35	4	6	1	725	270	16
1377	22.05	3.55	886.4	1.7	1353.00	23.70	5.26	10	0.60	3729	1150	33	35	50	3	17	0.5	1	3.2	2.0	18	4	1	1	376	772	56
1378	1.70	0.27	196.6	0.6	165.00	32.62	5.66	10	0.81	418	929	22	39	3	3	9	0.5	0.5	4.0	1.0	6	4	1	1	16	55	42
1379	1.09	0.23	82.3	0.2	11.24	11.16	6.34	71	0.36	25	406	22	67	3	8	2	0.5	0.5	3.0	0.5	6	4	7	1	9	29	22
1381	17.25	1.60	5.8	1.1	7.14	15.44	6.54	10	0.07	25	15	55	61	3	201	38	0.5	0.5	0.1	1.0	6	4	1	1	168	73	1
1382	37.31	9.24	7.2	0.6	38.65	8.12	7.52	34	0.09	55	62	40	92	4	13	94	0.5	0.5	0.4	0.5	28	10	17	1	271	621	7
1383	28.49	7.55	6.2	0.5	14.33	7.50	7.09	10	0.07	25	42	42	69	0.5	30	100	0.5	0.5	0.3	0.5	17	4	11	1	269	372	5
1384	13.46	7.29	57.9	1.0	5.48	25.22	6.36	23	0.17	25	152	36	63	4	10	31	0.5	0.5	0.8	1.0	22	4	14	1	74	349	33
1385	9.96	2.70	134.1	1.2	12.26	60.81	7.34	10	0.31	25	373	43	34	17	3	10	0.5	0.5	1.9	2.0	6	4	4	1	54	291	52
1386	5.52	1.14	131.7	0.7	6.20	56.31	5.46	10	0.58	25	473	52	36	2	43	15	0.5	0.5	0.9	0.5	6	4	1	1	38	164	34
1387	238.38	13.02	232.6	1.4	730.00	16.84	8.78	47	0.05	595	226	132	95	16	170	381	0.5	0.5	0.1	0.5	69	17	1	1	1113	668	1
1388	254.00	17.72	34.6	2.9	46.58	587.00	9.33	85	0.19	85	429	363	88	94	77	121	0.5	0.5	4.2	1.0	89	32	15	7	45	34170	30
1389	101.82	4.16	29.1	4.9	97.27	11.05	5.84	73	0.05	25	135	2914	3	85	88	49	0.5	0.5	0.3	1.0	50	18	4	9	498	267	3
1390	68.15	5.75	19.2	0.7	65.31	19.46	8.72	70	0.09	25	144	1244	150	7	28	442	0.5	0.5	0.1	1.0	35	14	8	8	146	617	16
1392	63.09	9.18	9.4	0.6	33.15	30.00	8.82	10	0.23	63	138	52	102	77	3	19	0.5	0.5	0.1	0.5	32	4	5	1	509	1269	11
1393	26.24	3.65	8.9	1.2	13.52	12.32	7.70	23	0.05	100	44	477	213	16	1342	79	4.0	0.5	0.1	1.0	19	4	4	1	215	141	1
1394	35.28	9.30	6.7	0.7	4.60	6.46	10.09	10	0.30	25	75	55	123	25	14	56	0.5	0.5	0.7	1.0	22	4	1	1	351	406	9
1395	94.54	18.28	21.3	1.0	82.96	0.16	14.25	25	0.24	25	217	133	1010	209	15	44	0.5	0.5	0.5	1.0	55	11	11	1	613	1304	17
1396	0.03	0.01	259.2	0.1	341.00	14.86	6.09	10	0.06	107	15	28	38	0.5	43	16	11.0	0.5	0.1	0.5	6	4	1	1	1	3	1
1397	72.85	11.78	13.0	1.0	53.56	9.22	8.93	39	0.14	98	124	34	283	520	16	28	0.5	0.5	1.0	0.5	41	12	8	1	428	628	15
1398	84.84	7.84	9.8	0.3	84.18	7.47	9.08	49	0.14	25	107	33	493	58	79	440	0.5	0.5	0.6	0.5	42	14	7	1	486	380	9
1399	40.67	7.41	19.0	1.2	19.75	1.29	9.94	10	0.24	25	135	29	246	97	49	36	0.5	0.5	0.1	0.5	39	4	5	1	934	952	27

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1401	21H15	369457	5094277		D	100	4	8.80	835	655	307.1	13	1.55
1402	21H15	369279	5094659		D	24	4	5.68	1318	759	22.5	270	-4.05
1403	2112	368924	5095467		D	-	2	5.93	58	48	18.0	18	-2.78
1404	2112	369001	5095798		U	-	-	6.45	517	306	57.1	126	0.49
1405	2112	369101	5096130	F	D	135	25	7.67	1964	1504	641.2	56	-3.69
1406	2112	369057	5096642		D	-	20	8.20	279	233	146.1	50	0.52
1407	2112	369170	5096862		U	-	-	6.23	54	41	13.7	15	-3.21
1408	2112	369621	5098042		D	150	8	7.27	298	225	109.9	98	-1.66
1409	2112	369568	5098087		D	65	60	7.10	430	241	95.5	76	-2.33
1410	2112	369569	5098510		D	90	12	7.09	426	292	125.8	75	-2.81
1411	2112	369580	5098665		D	75	10	8.21	308	251	155.4	26	-1.33
1412	2112	369469	5098867		D	100	15	7.38	180	134	79.3	76	-1.74
1414	2112	369163	5099074		D	-	2	8.42	454	339	155.7	7	-2.93
1415	2112	369069	5099376		D	160	13	8.91	415	330	180.8	5	-0.77
1416	2112	369071	5099454		D	65	80	6.78	277	190	92.1	94	-2.66
1417	2112	369160	5099641		D	124	30	7.27	560	374	121.7	54	-2.55
1418	2112	370101	5103867		D	-	15	8.40	247	206	127.9	33	-0.65
1419	2112	372835	5104410		D	100	15	9.07	443	375	237.1	4	-0.67
1421	2112	372679	5104369		D	-	23	8.99	462	385	239.8	3	-0.91
1422	2112	372390	5104197		U	-	-	8.99	478	395	245.4	3	-1.06
1423	2112	372327	5104187	S	D	200	17	8.01	468	406	246.8	0	-0.82
1424	2112	372747	5104290		D	200	3	9.01	475	388	239.3	3	-1.47
1425	2112	370426	5103883		D	60	15	6.39	445	288	113.5	171	-1.99
1426	2112	370416	5103805		D	30	20	5.10	261	146	13.4	82	-2.19
1427	2112	370407	5103705		D	90	15	7.48	400	276	134.5	161	-0.04
1428	2112	370193	5103854		D	40	15	5.99	138	106	52.3	54	0.28
1429	2112	370420	5103605		D	113	6	8.47	458	353	199.0	49	-1.91
1430	2112	370418	5103527		D	-	20	8.44	316	269	165.3	24	-1.59
1432	2112	377278	5106121		D	-	-	7.90	2460	1403	245.2	135	-1.98
1433	2112	377404	5106218		D	-	40	7.80	266	213	130.9	81	1.65

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1401	3.73	1.07	218.5	0.7	114.00	1.36	5.86	10	2.11	295	577	34	93	7	9	2	0.5	0.5	0.1	0.5	16	4	4	1	93	138	76
1402	87.36	12.74	158.6	1.8	458.00	3.70	9.61	56	0.03	116	107	39	586	1031	101	2	2.0	0.5	0.6	0.5	52	4	2659	1	3114	285	4
1403	6.23	0.68	2.8	0.5	3.32	3.63	5.75	186	0.01	25	15	50	4747	2219	13	2	4.0	0.5	0.5	0.5	64	12	5040	1	44	14	0.5
1404	42.18	5.25	54.1	1.6	127.00	8.17	9.86	31	0.05	25	63	29	91	24	43	2	0.5	0.5	0.1	4.0	30	4	136	1	771	229	4
1405	18.76	2.33	467.5	1.3	362.00	0.10	6.60	22	1.93	2798	484	28	853	76	24	8	0.5	0.5	0.1	1.0	18	4	129	1	801	682	59
1406	17.04	1.94	50.3	0.8	8.10	0.67	6.57	10	0.55	57	97	25	256	198	17	2	0.5	0.5	10.6	0.5	6	4	13	1	268	256	0.5
1407	4.55	1.00	3.9	0.9	2.91	7.06	6.51	24	0.03	25	15	517	36	2	3	2	0.5	0.5	0.1	0.5	6	4	18	1	25	30	5.5
1408	32.99	3.90	24.8	1.2	13.12	29.74	8.11	10	0.19	62	61	61	43	131	25	2	0.5	0.5	1.2	0.5	21	4	27	1	145	725	9
1409	22.40	4.91	42.8	3.1	54.21	9.19	8.75	28	0.04	98	49	32	105	22	25	2	0.5	0.5	0.1	0.5	6	4	78	1	246	122	3.5
1410	23.51	4.11	61.0	0.7	58.76	9.06	6.94	201	1.27	61	93	56	200	6	26	2	0.5	0.5	0.6	0.5	6	4	41	1	171	220	6
1411	9.09	0.83	65.1	0.6	4.18	8.84	5.83	24	1.05	25	63	47	36	31	3	2	0.5	0.5	0.8	0.5	26	4	16	1	119	289	11
1412	25.44	3.14	5.9	1.5	8.70	2.83	6.23	10	0.24	25	40	45	51	62	19	2	0.5	0.5	0.3	0.5	24	4	22	1	387	538	9.5
1414	2.73	0.19	104.7	0.4	58.17	8.36	6.55	134	1.34	169	76	52	260	14	3	2	4.0	0.5	0.9	11.0	6	4	14	1	23	95	15
1415	1.76	0.16	102.9	0.2	26.75	8.46	7.04	286	2.00	97	96	43	217	10	3	6	7.0	0.5	0.7	0.5	6	4	11	1	16	60	12
1416	30.39	4.59	16.9	1.2	28.81	7.41	7.41	10	0.17	25	41	105	54	3	20	2	4.0	1	0.1	0.5	15	4	1085	1	91	606	7
1417	18.86	1.74	101.5	0.7	110.00	10.39	6.78	42	0.53	25	63	577	70	8	10	2	0.5	0.5	0.2	0.5	24	4	137	1	152	545	11
1418	11.91	0.86	47.8	0.6	4.52	4.99	6.76	10	0.26	25	15	42	43	153	3	2	0.5	0.5	1.7	0.5	6	4	9	1	88	359	9.6
1419	1.43	0.14	114.7	0.3	3.85	7.03	6.62	358	2.89	25	62	41	339	10	8	2	1.0	0.5	0.1	0.5	6	4	7	1	34	48	7.5
1421	1.22	0.07	119.6	0.2	4.47	8.84	6.09	10	5.06	25	90	31	10	4	3	2	0.5	0.5	1.1	0.5	6	4	5	1	20	41	7
1422	1.25	0.05	122.7	0.2	3.92	9.58	5.83	22	5.86	25	76	13	3	6	3	6	0.5	0.5	2.1	0.5	6	4	1	1	19	42	7
1423	0.01	0.01	126.9	0.1	10.37	12.87	6.70	10	2.27	25	43	34	43	0.5	3	2	0.5	0.5	0.4	0.5	6	4	1	1	1	2	2
1424	1.23	0.07	120.2	0.1	4.20	10.37	6.11	10	6.39	25	85	39	57	7	3	2	0.5	0.5	1.0	0.5	15	4	7	1	34	40	6.5
1425	53.54	9.33	19.2	1.6	69.58	8.86	9.25	10	0.07	25	72	1419	11	2	22	2	4.0	0.5	0.1	0.5	41	4	29	1	311	1099	18.5
1426	23.40	5.83	19.2	1.8	48.78	16.63	6.78	57	0.03	25	38	9295	51	138	39	2	14.0	0.5	0.1	0.5	6	4	44	1	351	337	7.2
1427	53.05	7.12	18.5	2.2	40.24	7.94	8.47	10	0.25	77	69	1961	136	116	22	2	0.5	0.5	1.2	0.5	22	4	30	1	307	1510	17
1428	16.94	2.87	8.4	0.5	10.71	4.59	9.03	32	0.06	25	15	149	111	7	3	2	0.5	0.5	0.8	0.5	6	4	17	1	59	189	5.5
1429	15.75	2.56	88.5	0.7	26.08	8.90	7.36	10	3.11	57	66	24	8	49	3	2	1.0	0.5	1.4	0.5	6	4	8	1	109	447	9.5
1430	8.61	0.67	71.4	0.4	6.18	7.88	6.81	10	1.50	25	36	21	3	32	3	2	0.5	0.5	1.6	0.5	6	4	9	1	63	269	1
1432	48.98	3.21	448.8	1.5	640.00	0.30	5.63	10	4.09	4913	128	30	1346	100	27	2	0.5	0.5	0.1	0.5	6	4	19	1	1722	2008	16.5
1433	27.15	3.28	30.2	1.1	4.29	6.56	7.76	10	0.26	25	50	24	302	176	35	7	0.5	0.5	0.1	0.5	6	32	44	1	326	689	17.5

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1434	2112	377400	5106429		D	85	-	9.00	437	339	210.5	5	0.14
1435	2112	377506	5106727		D	55	40	8.85	405	306	195.1	5	-1.70
1436	2112	377739	5107123		U	-	-	7.80	312	259	153.8	62	-1.78
1437	2112	377877	5107476		U	-	-	8.77	378	322	190.1	5	-2.18
1438	2112	378048	5107917	S	D	-	-	7.11	189	152	72.1	0	1.17
1439	2112	378237	5108458		D	46	22	6.20	774	416	74.5	250	-3.15
1441	2112	378123	5108182	S	D	-	9	6.43	407	267	80.5	1	-1.90
1442	2112	378432	5108576		D	-	18	7.18	311	237	126.1	143	-3.39
1443	2112	378849	5108546		D	125	13	8.89	549	399	232.4	5	-0.89
1444	2112	379273	5108504		D	40	10	7.17	349	224	89.2	144	-2.71
1445	2112	381365	5108363		D	90	16	8.36	1305	834	235.3	25	-2.54
1446	2112	381558	5108337		U	-	-	7.49	278	221	138.6	132	1.39
1447	2112	381647	5108136		D	-	15	7.67	233	181	105.0	100	0.45
1448	2112	378316	5108934		D	-	50	7.51	248	201	116.2	114	-1.37
1449	2112	378351	5109178	F	D	65	5	6.82	210	139	73.4	76	-0.21
1450	2112	378457	5109454	S	D	225	25	7.88	311	258	157.0	0	-2.59
1451	2112	378518	5109786		D	39	17	7.27	278	224	134.8	131	-1.72
1452	2112	378736	5110260		D	98	15	8.56	452	351	196.2	5	-2.44
1454	2112	378826	5110514		D	50	40	7.38	336	270	164.2	142	-0.91
1455	2112	378948	5110811		D	-	15	7.74	261	218	134.7	63	-0.04
1456	2112	379076	5111031		D	32	1	8.25	277	234	144.7	42	-1.30
1457	2112	379205	5111340		D	32	50	8.16	334	276	159.1	29	-0.72
1458	2112	379137	5111797		D	55	12	7.72	226	174	107.5	103	-1.30
1459	2112	379160	5112152		D	-	1	7.00	275	189	93.1	121	-1.04
1461	2112	379267	5112483		D	20	-	6.89	316	209	88.8	125	-2.19
1462	2112	379241	5112762		D	175	16	7.89	364	302	175.2	59	-1.72
1463	2112	379372	5113137		D	76	45	7.45	495	335	155.5	210	-0.31
1464	2112	379325	5113483		D	69	42	7.52	410	306	151.2	180	-2.32
1465	2112	379432	5113847		U	-	-	6.03	593	355	56.3	131	-0.73
1466	2112	379375	5114460		D	32	30	7.18	614	405	159.4	253	-2.82

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1434	1.48	0.35	104.4	0.3	4.15	9.31	5.71	40	2.29	25	81	22	3	2	3	9	0.5	0.5	0.1	0.5	6	4	5	1	125	59	7.8
1435	1.94	0.16	91.6	0.3	3.98	3.19	5.92	142	3.19	25	79	13	218	17	3	8	5.0	0.5	0.1	0.5	6	4	8	1	148	79	9.8
1436	20.57	2.79	49.6	1.2	5.39	16.25	7.98	10	0.38	25	49	53	12	134	16	2	0.5	0.5	1.0	0.5	44	4	36	1	107	701	6.5
1437	2.15	0.14	95.4	0.4	6.47	19.00	5.96	10	1.75	25	66	42	304	16	3	6	2.0	0.5	0.1	0.5	6	4	9	1	113	88	8.5
1438	0.03	0.01	47.3	0.05	17.11	3.70	11.58	10	0.12	25	15	89	176	3	3	6	14.0	0.5	4.4	0.5	6	4	24	1	1	3	7
1439	82.47	10.94	35.1	0.8	190.00	6.70	8.75	39	0.07	91	93	31	4457	1970	46	2	28.0	0.5	2.8	0.5	90	14	58	1	166	161	2
1441	0.34	0.05	88.8	0.1	78.82	8.10	9.63	10	0.09	77	15	427	134	4	12	8	2.0	0.5	0.1	0.5	14	4	21	1	1	6	2
1442	51.17	3.93	7.3	0.5	28.75	4.81	12.99	34	0.09	25	61	61	70	851	23	9	6.0	0.5	0.2	0.5	23	10	50	1	231	180	1.5
1443	1.93	0.14	125.4	0.4	10.19	14.17	6.06	27	8.43	65	85	34	19	10	3	2	0.5	0.5	0.7	0.5	6	4	6	1	64	74	7
1444	48.53	5.70	9.2	0.4	55.44	6.43	8.85	10	0.10	69	52	36	15	2	18	11	0.5	0.5	0.1	0.5	6	4	26	1	16	182	1.5
1445	9.00	0.69	279.2	0.8	295.00	1.40	5.99	10	4.97	2639	96	13	102	24	3	8	0.5	0.5	0.1	0.5	6	4	11	1	626	398	12.5
1446	45.61	4.64	10.7	0.6	4.37	7.27	8.91	10	0.17	25	57	46	14	2	22	2	0.5	0.5	0.1	0.5	6	4	178	1	98	151	2.2
1447	33.36	4.28	10.0	1.2	6.22	9.12	10.87	10	0.25	25	48	13	164	95	19	2	0.5	0.5	0.1	0.5	32	4	43	1	215	662	4
1448	37.85	4.94	8.6	1.1	13.48	4.02	12.42	21	0.08	25	53	29	752	476	22	2	0.5	0.5	0.2	0.5	21	4	73	1	450	587	3
1449	27.36	2.08	6.0	0.5	10.31	3.18	10.53	35	0.05	25	40	20	3630	1863	16	2	0.5	0.5	1.1	0.5	32	12	16	1	257	309	1
1450	0.08	0.03	76.0	0.1	7.27	6.47	10.86	24	0.22	25	15	21	23	4	3	2	3.0	0.5	0.1	0.5	6	4	21	1	1	1	0.5
1451	46.65	3.79	7.7	0.4	9.14	6.56	13.88	25	0.13	25	55	139	15	388	26	2	1.0	0.5	0.1	0.5	6	4	58	1	392	124	1.5
1452	1.81	0.14	105.0	0.4	4.78	32.56	6.30	10	3.41	25	57	13	18	5	3	2	0.5	0.5	0.2	0.5	6	4	7	1	40	76	7
1454	43.83	8.11	18.7	1.9	12.72	7.83	10.15	26	0.20	25	60	36	530	225	40	2	0.5	0.5	1.0	0.5	73	9	200	1	330	1182	6
1455	21.32	2.62	37.2	1.3	4.38	6.19	8.78	10	0.20	25	47	13	296	135	30	2	0.5	0.5	1.8	0.5	52	4	172	1	249	875	7.5
1456	13.41	2.11	51.5	1.1	4.70	7.75	7.91	10	0.33	25	38	13	86	31	8	2	0.5	0.5	2.3	0.5	6	4	17	1	127	447	3.6
1457	9.49	1.33	71.5	0.9	5.42	18.32	8.10	10	1.21	25	51	28	3	15	3	2	1.0	0.5	2.4	1.0	6	4	32	1	104	388	7
1458	34.02	4.59	7.0	0.4	4.66	7.99	7.10	10	0.14	25	40	27	28	234	12	2	0.5	0.5	0.1	1.0	6	4	33	1	75	66	1.5
1459	38.88	5.92	8.8	0.5	15.46	14.82	7.50	10	0.10	61	44	3828	224	5	15	2	0.5	0.5	0.1	0.5	19	4	137	1	49	58	1.5
1461	43.24	4.34	12.0	0.4	43.25	8.85	7.78	21	0.11	55	55	24	109	5	29	2	2.0	0.5	0.1	1.0	14	10	85	1	44	155	1.5
1462	18.90	2.94	65.3	1.2	10.97	17.81	7.87	10	0.61	25	55	26	78	57	15	2	0.5	0.5	1.0	1.0	21	4	9	1	105	687	6
1463	60.01	14.72	16.4	2.1	62.71	7.51	13.79	39	0.07	25	81	13	679	244	42	2	0.5	0.5	2.8	1.0	72	9	397	1	347	1319	4.6
1464	63.33	5.46	14.2	0.8	29.43	29.14	11.17	10	0.08	65	73	320	11	179	30	2	0.5	0.5	0.6	0.5	6	4	156	1	248	712	2.6
1465	44.83	4.77	72.2	1.8	147.00	18.57	5.45	53	0.03	232	59	3402	178	85	22	2	29.0	0.5	0.1	1.0	89	4	138	1	113	125	1
1466	86.70	8.97	22.9	0.6	101.00	13.96	10.11	10	0.09	141	92	1429	3	0.5	23	2	0.5	0.5	0.1	1.0	6	4	125	1	119	210	2

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1467	2112	379427	5115115		U	-	-	7.99	315	261	152.5	57	0.68
1468	2112	379392	5115315		U	-	-	7.85	294	230	111.6	84	-2.53
1469	2112	379362	5115749		D	-	45	6.97	657	406	86.55	181	-3.01
1470	2112	379346	5116139		D	20	40	7.35	1092	762	244.0	517	-2.34
1471	2112	379232	5116619		D	30	100	6.44	193	155	82.0	82	-1.43
1472	2112	379184	5117320		D	50	17	7.14	406	293	141.5	176	-1.57
1473	2112	379330	5116873		U	-	-	7.84	201	168	97.5	86	0.85
1474	2112	379190	5117620		D	-	30	6.39	304	189	61.7	93	1.19
1476	2112	379157	5117865		D	78	10	7.71	270	222	139.4	122	1.92
1477	2112	376719	5104465		D	44	50	7.73	306	253	168.2	152	0.47
1478	2112	376902	5103549		D	50	18	7.00	576	374	115.1	233	-2.46
1479	2112	376985	5103470		D	-	-	7.10	213	167	104.7	98	1.57
1481	2112	376951	5103315		U	-	-	7.29	200	157	96.4	66	-2.49
1482	2112	377073	5102846		U	-	-	6.98	502	314	106.9	183	-0.13
1483	2112	377071	5102712			-	-	7.50	210	167	98.8	97	-0.09
1484	2112	377175	5102544		U	-	-	5.99	262	152	34.3	91	-2.48
1485	2112	377354	5102162		U	-	-	7.30	335	235	117.3	161	1.99
1486	2112	377396	5101983		D	75	17	7.28	323	225	125.4	145	0.27
1487	2112	377404	5101605		D	-	-	7.00	342	277	173.9	169	-1.82
1488	2112	377425	5101861		D	-	10	7.00	265	191	104.0	119	-1.56
1489	2112	378948	5097840		D	20	30	6.58	117	76	22.2	33	-1.42
1490	2112	379063	5097805		D	18	-	6.80	285	203	104.0	96	-0.16
1491	2112	379314	5098367		D	-	15	6.84	465	374	229.4	237	-0.72
1492	2112	379292	5098423		D	18	18	6.67	267	177	71.6	108	-1.61
1493		379360	5098755			-	-	6.70	150	105	46.2	52	-3.07
1495	2112	379319	5099389		D	138	20	8.15	253	204	111.4	30	-0.32
1496	2112	377773	5099108		D	-	20	7.20	280	228	142.9	128	-2.41
1497	2112	377909	5099361		D	-	74	5.97	156	104	25.5	57	-0.45
1498	2112	377886	5098561		D	130	22	9.20	437	354	188.275	2	1.22
1499	2112	377775	5098819		U	-	-	7.20	275	226	137.5	135	-0.81

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1467	17.84	3.09	56.3	0.8	9.03	11.43	8.75	10	0.73	25	51	13	47	47	3	2	0.5	0.5	0.6	0.5	6	4	12	1	74	650	3
1468	25.88	4.78	33.2	1.3	30.45	11.37	9.19	10	0.50	51	62	34	47	34	11	2	0.5	0.5	1.0	0.5	6	4	62	1	200	1049	11
1469	61.20	7.07	62.0	0.6	170.00	8.67	8.95	10	0.09	242	67	516	66	0.5	24	2	0.5	0.5	0.1	0.5	6	4	56	1	251	185	6
1470	175.45	19.31	35.3	1.0	263.00	6.70	13.21	29	0.05	556	149	1035	51	0.5	80	2	0.5	0.5	0.2	0.5	6	4	50	1	2095	516	14
1471	25.77	4.50	10.6	0.6	9.85	13.00	8.63	10	0.11	25	54	56	3	2	3	2	0.5	0.5	0.1	0.5	95	4	416	1	67	54	4
1472	59.11	7.16	17.6	0.5	48.29	9.03	8.34	31	0.06	108	112	1224	13	12	34	2	0.5	0.5	0.1	0.5	122	9	169	1	354	195	5
1473	26.91	4.64	13.3	0.8	4.87	9.61	9.61	22	0.19	25	48	23	33	30	27	2	0.5	0.5	0.4	0.5	104	4	36	1	254	402	7
1474	27.94	5.78	27.0	1.0	47.46	7.64	6.06	21	0.04	83	47	4032	38	2	31	2	0.5	0.5	0.1	0.5	128	4	64	1	470	113	2
1476	34.15	9.02	16.7	1.5	6.48	6.12	7.89	10	0.13	25	79	13	28	2	30	2	0.5	0.5	0.1	0.5	32	4	26	1	377	456	14
1477	45.17	9.79	11.5	1.9	5.60	3.38	5.26	10	0.15	25	112	46	251	240	27	2	0.5	0.5	0.1	0.5	78	4	146	1	395	882	8
1478	73.23	12.35	25.7	1.3	132.00	5.43	6.41	10	0.11	25	156	13	302	1080	33	2	0.5	0.5	0.1	0.5	58	4	25	1	149	1141	8
1479	30.68	5.28	8.9	1.0	4.10	5.07	5.40	10	0.12	25	71	13	674	521	23	2	0.5	0.5	0.1	0.5	68	4	331	1	151	673	8
1481	21.86	2.82	15.8	1.4	3.82	6.16	6.06	10	0.12	25	68	26	1040	646	102	2	0.5	0.5	0.5	0.5	41	132	15	1	207	732	16
1482	60.72	7.82	24.2	2.5	91.80	6.00	7.09	10	0.06	25	149	31	3206	905	44	2	0.5	0.5	0.3	0.5	113	26	22	1	492	2075	25
1483	34.63	2.64	6.5	1.5	10.83	1.49	7.64	10	0.06	25	91	13	323	308	41	2	0.5	0.5	0.1	0.5	75	4	19	1	1019	1340	14
1484	25.72	6.76	13.7	0.6	56.14	8.28	4.55	21	0.05	109	58	1882	34	11	21	2	0.5	0.5	0.1	0.5	64	4	79	1	58	141	2
1485	51.99	7.77	9.3	0.5	36.20	5.71	5.87	22	0.20	120	109	314	41	8	23	2	0.5	0.5	0.1	0.5	82	4	25	1	170	124	4
1486	46.39	7.13	8.5	1.0	24.94	3.39	6.87	25	0.19	65	109	127	73	207	34	2	0.5	0.5	2.6	0.5	67	4	108	1	545	564	6
1487	50.31	10.71	9.9	1.6	5.23	18.73	4.80	10	0.03	25	118	13	624	503	26	2	0.5	0.5	4.1	0.5	93	4	20	1	71	409	4
1488	44.50	2.00	4.4	0.5	11.78	12.12	6.17	10	0.20	69	91	24	2634	2217	10	2	0.5	0.5	10.4	0.5	6	4	29	1	194	74	4
1489	10.93	1.54	5.3	5.2	3.89	20.20	5.52	34	0.08	25	37	1254	91	15	3	2	0.5	0.5	0.1	0.5	6	4	56	1	85	37	2
1490	32.82	3.57	8.1	17.3	4.02	23.19	8.41	44	0.09	25	85	799	317	64	15	2	0.5	0.5	0.3	0.5	25	4	192	1	105	61	4
1491	86.75	5.14	9.9	2.5	11.91	19.20	8.34	28	0.06	25	174	29	75	216	26	2	0.5	0.5	0.3	0.5	46	4	31	1	95	161	2
1492	37.97	3.41	9.9	1.7	26.64	13.41	7.81	35	0.06	58	89	3899	122	27	27	2	0.5	0.5	0.1	0.5	79	12	70	1	261	104	3
1493	17.70	2.05	7.7	0.5	12.62	8.14	9.64	10	0.06	25	43	585	36	2	9	2	0.5	0.5	0.1	0.5	44	4	19	1	174	47	3
1495	10.55	0.90	49.8	0.5	10.14	13.13	7.05	32	0.36	71	50	13	27	0.5	3	2	0.5	0.5	3.5	0.5	22	4	28	1	175	295	9
1496	41.55	6.15	11.1	0.6	5.17	10.62	8.16	10	0.21	25	90	28	169	1081	29	2	0.5	0.5	0.1	0.5	90	4	31	1	40	227	5
1497	17.85	3.09	10.0	0.5	33.21	4.11	7.73	10	0.06	102	15	1038	41	921	10	2	0.5	0.5	0.1	0.5	74	4	19	1	24	71	3
1498	0.88	0.08	112.2	0.2	9.39	34.86	6.77	10	1.17	62	295	13	20	3	3	2	0.5	0.5	2.7	0.5	6	4	3	1	32	27	12
1499	43.27	6.63	9.3	0.7	6.35	11.81	8.57	21	0.20	25	101	31	260	1062	24	2	0.5	0.5	0.2	0.5	137	9	134	1	20	290	5

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1501	2112	377844	5098418		D	172	15	8.68	440	352	168.2	14	-1.22
1502	2112	377961	5098071		U	-	100	5.85	439	234	22.7	71	-2.83
1503	2112	377905	5097972		D	85	25	8.95	502	362	99.1	14	-2.44
1504	2112	377910	5097816		D	-	-	6.30	491	284	56.0	83	-2.78
1505	2112	378044	5097580		D	20	1	7.49	324	265	169.3	158	-0.02
1506	2112	377819	5097151		D	15	4	6.51	613	414	166.1	230	-1.15
1507	2112	377871	5097028		U	15	-	6.49	541	442	254.0	258	-1.23
1508	2112	377681	5096809		U	-	-	7.82	180	146	86.0	64	0.26
1509	2112	377705	5096487		D	35	70	6.49	197	136	56.6	62	-0.99
1510	2112	377838	5096139		D	30	100	6.77	266	204	108.2	93	-1.41
1511	2112	377981	5095959		D	100	1	8.80	1397	834	183.7	25	2.24
1512	2112	378036	5095613	S	D	-	5	6.91	452	407	211.77	1	1.79
1513	2112	378066	5095157		D	85	17	7.85	433	329	109.0	115	1.16
1514	2112	377609	5095166		D	100	-	7.25	1256	1113	74.0	675	-1.04
1515	2112	377486	5095224	S	D	25	10	6.64	332	274	146.3	0	-0.66
1516	2112	377234	5095362		D	84	35	7.41	532	431	243.6	236	1.33
1518	2112	377293	5095228		D	105	36	8.98	1362	1036	170.7	22	-1.64
1519	2112	376917	5095435		D	-	-	6.75	728	463	116.7	295	0.67
1521	2112	376749	5095516		D	20	44	6.74	1753	1103	220.3	478	-0.06
1522	2112	376927	5095502		U	-	-	7.29	307	233	138.6	126	-1.79
1523	2112	376378	5095980	S	U	-	-	7.66	282	244	137.8	0	0.50
1524	2112	376218	5096083		D	-	-	7.50	337	274	163.2	42	1.65
1525	2112	376083	5096308		D	-	1	6.89	599	374	110.1	180	-0.83
1526	2112	375994	5096499		D	20	-	6.00	55	45	18.6	20	-0.40
1527	2112	375997	5096643		D	43	30	5.99	606	337	32.4	166	-0.84
1528	2112	375801	5096936		D	-	10	7.20	248	194	95.2	114	1.37
1529	2112	375727	5097071		D	28	11	5.67	81	62	12.7	24	-1.73
1530	2112	373627	5098536		D	-	-	7.70	228	185	112.1	90	-1.19
1531	2112	371163	5100310		D	-	-	7.13	671	489	248.9	306	-2.83
1532	2112	371079	5100356	F	D	252	2	8.86	410	338	205.2	4	1.49

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1501	5.19	0.37	105.4	0.4	26.78	34.75	7.78	10	3.12	181	245	30	3	0.5	3	2	0.5	0.5	9.4	0.5	6	4	1	1	85	140	16
1502	21.25	4.60	46.1	7.7	101.00	19.68	8.81	10	0.04	124	58	1983	349	45	1707	64	0.5	0.5	0.1	0.5	6	4	1	1	154	79	5
1503	5.07	0.34	110.0	0.2	57.34	82.00	7.29	10	0.34	400	244	13	92	5	3	2	0.5	0.5	13.5	0.5	6	4	1	1	63	181	29
1504	25.34	5.03	49.7	19.2	95.00	23.97	5.55	10	0.03	25	55	3981	47	25	43	86	0.5	0.5	0.1	0.5	6	4	1	1	231	80	2
1505	55.78	4.71	11.9	0.5	7.03	5.94	9.19	10	0.06	58	118	51	3	2	45	25	0.5	0.5	0.5	0.5	15	4	1	1	256	257	7
1506	75.10	10.45	38.4	0.7	94.18	14.35	11.10	10	0.06	214	144	2418	355	10	97	238	0.5	0.5	0.1	0.5	29	9	1	1	388	317	7
1507	91.39	7.30	21.3	2.1	22.86	27.64	11.70	10	0.06	123	177	273	366	2199	18	35	0.5	0.5	0.1	0.5	34	11	3	1	549	302	4
1508	23.51	1.42	15.1	0.5	4.21	5.43	9.52	10	0.13	25	83	13	65	7	43	62	0.5	0.5	9.7	0.5	14	4	4	1	364	178	9
1509	21.02	2.40	15.8	1.4	10.48	16.38	7.81	10	0.05	50	61	3626	59	8	159	41	0.5	0.5	0.6	0.5	17	4	1	1	497	155	4
1510	33.45	2.46	21.6	1.1	17.02	9.85	8.12	10	0.02	25	70	1158	102	37	428	61	0.5	0.5	0.3	0.5	19	4	1	1	558	97	4
1511	8.10	1.17	271.0	0.6	62.60	298.00	5.80	10	2.11	1430	1367	13	101	6	3	20	0.5	0.5	49.1	0.5	6	4	1	1	31	345	102
1512	0.51	0.01	133.6	0.4	42.51	6.28	10.69	10	0.04	116	15	1069	81	4	1579	27	0.5	0.5	0.1	0.5	6	4	1	1	6	2	3
1513	38.52	4.67	42.1	0.7	32.35	68.43	11.92	10	0.24	198	342	13	159	36	13	17	0.5	0.5	5.6	0.5	24	12	4	1	52	21130	29
1514	265.57	3.03	42.8	0.8	2.56	698.00	8.39	112	0.27	25	542	13	412	158	59	131	0.5	0.5	9.7	0.5	91	41	23	17	43	16840	23
1515	0.08	0.01	84.7	0.1	18.32	10.78	13.02	10	0.05	92	15	1085	35	0.5	151	11	0.5	0.5	0.1	0.5	6	4	1	1	1	7	1
1516	74.09	12.60	36.3	1.6	28.35	21.68	10.73	10	0.10	176	147	1095	43	29	25	30	0.5	0.5	1.2	0.5	21	4	1	1	256	680	25
1518	7.16	1.12	322.0	0.5	92.00	430.00	8.59	450	0.85	606	810	13	270	8	3	14	0.5	0.5	11.0	0.5	6	4	1	1	28	2645	102
1519	101.75	10.21	36.6	0.6	176.00	6.42	13.12	10	0.04	317	183	158	32	8	359	176	0.5	0.5	0.1	0.5	41	4	1	1	1084	384	11
1521	169.13	13.63	196.3	0.1	478.00	9.74	12.32	10	0.04	750	277	808	94	6	43	74	0.5	0.5	0.1	0.5	56	9	1	1	1629	514	9
1522	42.61	5.02	14.6	0.8	16.23	3.94	9.43	10	0.15	25	96	13	254	676	3	12	0.5	0.5	4.0	0.5	21	4	1	1	117	314	8
1523	0.23	0.01	76.3	0.05	15.45	4.82	9.27	10	0.15	25	15	30	16	5	44	10	0.5	0.5	4.2	0.5	6	4	1	1	1	2	1
1524	13.77	1.94	68.1	0.8	6.15	12.73	6.95	10	0.23	25	118	13	53	66	3	7	0.5	0.5	0.1	0.5	6	4	1	1	162	297	23
1525	60.53	7.21	49.9	1.3	126.00	7.89	8.91	10	0.12	84	124	13	400	1453	3	15	0.5	0.5	2.2	0.5	22	4	1	1	163	452	8
1526	6.45	0.98	3.7	0.3	3.68	4.56	6.35	10	0.03	25	15	79	58	2	473	35	0.5	0.5	0.1	0.5	6	4	1	1	11	14	2
1527	51.19	9.41	53.0	0.6	169.00	9.72	8.84	10	0.03	335	101	1767	376	8	118	32	0.5	0.5	0.1	0.5	17	4	1	1	17	155	2
1528	42.67	1.99	8.1	0.8	4.63	26.84	12.33	10	0.10	25	89	40	274	716	9	19	0.5	0.5	0.8	0.5	22	4	4	1	93	164	7
1529	8.22	0.96	4.9	0.4	5.00	15.99	12.54	22	0.04	25	15	128	337	457	492	23	0.5	0.5	0.1	0.5	6	4	1	1	20	17	4
1530	31.05	3.20	13.2	0.6	3.64	6.15	13.47	10	0.16	25	89	27	62	163	17	12	0.5	0.5	0.1	0.5	16	4	1	1	199	766	13
1531	84.91	23.11	23.2	1.8	86.36	9.95	7.66	10	0.13	106	183	13	1154	766	17	40	0.5	0.5	1.9	0.5	28	10	1	1	40	618	7
1532	1.52	0.06	107.0	0.3	11.63	3.19	7.31	27	2.02	67	121	13	13	7	3	77	0.5	0.5	0.1	0.5	6	4	1	1	9	47	14

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µS/cm	TDS mg/L	Alka- linity mg/L	Hard- ness mg/L	Balance Error %
1533	2112	370646	5100743	F	D	248	15	8.92	414	335	196.6	3	0.49
1534	21H15	378067	5094412		D	35	7	6.98	435	351	215.2	164	0.84
1535	21H15	378086	5094212		D	19	18	7.07	1503	873	170.4	276	-0.44
1536	21H15	378144	5093999		D	-	21	7.49	594	403	173.3	251	-1.84
1538	21H15	378077	5093756		D	-	-	5.88	62	45	10.4	19	-0.23
1539	21H15	378639	5091189		D	25	15	6.70	208	156	81.2	102	0.98
1541	21H15	378689	5091010		U	-	-	8.00	385	295	161.2	47	-2.52
1542	21H15	378533	5090935		U	-	25	7.80	234	184	110.0	91	-0.61
1543	21H15	378269	5090540		U	-	-	6.48	149	100	39.8	47	2.40
1544	21H15	378418	5090626		U	-	-	6.66	215	145	65.2	71	-1.50
1545	21H15	378206	5090075		D	60	15	9.26	911	708	435.3	2	-2.02
1546	21H15	378310	5089828		D	133	3	8.19	1597	1171	568.3	8	-2.20
1547	21H15	378697	5089431		D	125	15	8.94	1675	1282	518.1	6	-2.55
1548	21H15	380046	5092595		D	-	37	8.77	828	639	328.1	16	-1.67
1549	21H15	380130	5092560		D	12	20	7.85	946	742	416.4	83	-1.62
1550	21H15	380196	5092370	S	D	105	27	8.80	648	534	286.3	14	-2.33
1551	21H15	380238	5092124		D	15	44	6.48	2100	1208	160.5	466	-3.99
1552	21H15	380513	5091886		U	-	-	6.25	204	114	24.0	51	1.41
1553	21H15	380573	5091407		D	-	-	7.09	575	406	155.3	0	-2.06
1554	21H15	380661	5091160		D	-	-	6.56	142	106	39.6	61	-2.01
1555	21H15	380772	5090880		D	98	8	7.34	208	156	83.0	79	-1.46
1557	21H15	381006	5089720		D	80	13	7.04	718	556	299.6	285	-1.94
1558	21H15	381058	5089619		D	100	21	7.54	327	268	168.0	128	-0.71
1559	21H15	380995	5089153		U	-	12	7.51	361	285	182.4	166	-0.57
1561	21H15	380025	5092729		D	20	22	6.49	972	585	118.2	219	-2.80
1562	21H15	380082	5092883		D	-	-	8.16	1442	1112	605.1	21	-3.38
1563	21H15	379999	5092996		D	10	37	6.10	589	302	18.0	69	0.85
1564	21H15	380058	5093206		D	90	-	6.85	261	203	112.9	112	-1.74
1565	21H15	379963	5093508		D	20	16	6.85	540	433	255.0	250	-2.52
1566	21H15	379976	5093763		D	22	43	6.84	248	175	92.1	122	1.68

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1533	1.58	0.01	105.9	0.2	17.16	3.88	6.49	10	2.84	101	107	13	3	3	27	2	0.5	0.5	0.7	0.5	6	4	1	1	8	49	12
1534	54.05	7.13	39.6	0.8	15.21	10.44	7.66	10	0.15	153	219	13	18	9	23	457	0.5	0.5	0.2	0.5	15	4	1	1	131	647	11
1535	99.53	6.93	197.4	2.2	375.00	13.82	5.28	10	0.11	997	312	607	69	55	15	190	0.5	0.5	0.1	0.5	44	4	1	1	1141	620	13
1536	74.10	16.13	23.0	0.5	92.20	9.86	12.20	30	0.17	82	202	20	982	51	17	57	0.5	0.5	0.1	0.5	37	10	6	4	294	561	9
1538	5.22	1.69	3.9	0.2	5.93	9.70	7.32	10	0.01	25	15	28	528	14	495	34	0.5	0.5	0.1	0.5	6	4	1	1	55	46	2
1539	36.76	2.51	2.7	0.9	6.36	16.11	8.80	22	0.03	25	87	67	96	17	304	181	0.5	0.5	0.4	0.5	17	4	3	1	133	81	3
1541	14.46	2.85	70.5	1.3	32.45	0.23	8.83	10	2.43	72	274	63	149	66	3	2	0.5	0.5	0.1	0.5	6	4	1	1	209	186	23
1542	29.54	4.25	15.2	0.9	5.46	8.73	9.62	10	0.12	25	91	50	12	83	24	22	3.0	0.5	0.4	0.5	6	4	1	1	69	178	10
1543	14.78	2.58	7.6	4.9	4.80	16.21	8.01	24	0.07	25	64	996	35	8	225	20	0.5	0.5	0.1	0.5	14	4	4	1	50	30	2
1544	23.41	3.26	11.0	5.0	9.59	16.53	7.70	41	0.04	25	87	2644	59	56	195	60	0.5	0.5	0.1	0.5	21	9	7	5	93	45	3
1545	0.50	0.23	219.7	0.5	40.89	1.96	7.01	99	2.15	76	1193	13	41	3	25	2	2.0	0.5	0.1	0.5	6	4	1	1	129	20	40
1546	1.93	0.92	374.7	1.0	176.00	38.05	7.11	10	2.37	249	854	13	3	3	9	2	3.0	0.5	0.1	0.5	6	4	1	1	463	51	84
1547	1.61	0.65	420.6	1.1	273.00	56.68	6.56	30	3.50	307	971	13	9	4	3	2	1.0	0.5	4.2	0.5	6	4	1	1	154	71	102
1548	3.79	1.68	202.3	1.1	81.90	0.47	8.14	57	11.10	318	383	29	72	3	17	2	1.0	0.5	1.4	0.5	6	4	3	5	93	145	84
1549	23.49	6.15	198.9	2.2	76.33	0.28	11.51	10	5.02	357	493	23	226	22	27	52	7.0	0.5	1.5	0.5	27	4	1	1	640	667	114
1550	3.99	1.23	162.3	0.9	54.35	9.83	9.01	500	5.15	281	318	48	293	6	257	64	0.5	0.5	4.5	0.5	6	4	1	1	106	122	72
1551	165.65	12.98	225.0	2.3	612.00	14.98	7.86	10	0.09	184	277	29	5224	310	61	337	11.0	0.5	0.1	1.0	39	10	1	1	524	473	4
1552	15.68	2.92	18.8	1.9	34.03	8.89	4.75	10	0.05	25	43	2969	45	0.5	59	53	1.0	1	0.1	0.5	6	4	1	1	124	56	2
1553	0.01	0.01	132.8	0.3	89.77	18.39	8.85	10	0.09	107	15	43	166	0.5	75	7	8.0	0.5	0.1	0.5	6	4	1	1	1	1	3
1554	18.53	3.62	5.4	0.6	9.96	21.17	6.15	23	0.10	25	45	241	86	12	85	115	0.5	0.5	0.1	0.5	6	4	5	1	13	34	2
1555	25.48	3.94	11.0	1.2	5.75	16.70	8.49	10	0.11	25	80	84	70	126	85	84	1.0	0.5	0.5	0.5	6	4	1	1	81	440	10
1557	93.53	12.78	49.9	2.1	73.07	9.39	10.73	10	0.97	331	332	40	1175	300	10	39	1.0	0.5	0.1	0.5	53	13	4	1	1332	1176	24
1558	40.41	6.73	24.5	1.2	9.32	2.73	12.53	10	1.00	25	170	66	347	132	3	61	0.5	0.5	0.1	0.5	20	4	1	1	385	391	26
1559	50.17	10.09	13.5	1.4	11.95	1.40	11.80	24	0.42	25	146	36	309	40	17	11	0.5	0.5	0.1	0.5	29	4	3	1	590	1184	15
1561	74.29	8.33	109.2	1.3	245.00	17.36	8.18	10	0.09	462	153	1046	317	1047	201	401	1.0	0.5	0.2	0.5	31	4	1	1	519	354	7
1562	4.68	2.28	342.9	1.2	141.00	0.65	7.46	10	6.55	874	539	44	50	5	3	117	5.0	0.5	0.1	0.5	6	4	1	4	112	223	204
1563	22.71	3.20	82.9	2.5	155.00	8.41	7.16	31	0.06	283	58	1047	48	64	54	54	2.0	0.5	0.1	0.5	15	4	1	1	387	89	4
1564	37.49	4.49	12.9	0.6	10.42	12.83	9.91	25	0.14	56	118	1343	65	7	18	46	3.0	0.5	0.1	0.5	15	4	3	1	118	158	10
1565	85.96	8.87	11.9	16.0	18.29	23.10	8.98	10	0.04	151	172	2356	10	1758	3	446	0.5	0.5	0.1	0.5	25	4	1	1	145	215	7
1566	42.98	3.66	4.1	1.8	8.58	10.92	6.82	10	0.06	25	95	3840	3	3	117	27	0.5	0.5	0.1	0.5	17	4	1	1	133	182	1

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1567	21H15	380157	5094327		U	-	-	6.47	841	482	85.8	253	-2.94
1568	21H15	380061	5094184		D	21	2	6.83	709	567	319.4	347	0.19
1569	21H15	380068	5094540		U	-	-	6.61	72	56	22.1	29	0.52
1570	21H15	379982	5094474		D	12	-	6.55	101	81	35.1	44	1.40
1571	21H15	379981	5094830		D	-	40	6.13	1380	756	79.0	173	-1.43
1573	21H15	379888	5094854		D	20	35	6.37	176	119	31.8	60	-1.71
1574	21I2	379961	5095031		D	26	1	6.56	564	461	275.1	304	-0.10
1575	21I2	379864	5095199		D	20	100	6.50	292	227	131.4	148	0.86
1576	21I2	379828	5095344		D	21	12	7.13	395	309	173.3	202	1.15
1577	21I2	379716	5095547		D	15	33	6.02	2600	1390	69.1	399	-1.50
1578	21I2	379681	5095725		D	20	2	7.05	707	487	235.0	301	-0.44
1579	21I2	379734	5096102		D	20	10	6.50	561	358	132.8	230	-2.60
1581	21I2	379741	5096446		D	12	20	6.43	578	317	72.6	198	-2.21
1582	21I2	379632	5096782		D	12	50	6.59	873	599	256.9	406	-2.31
1583	21I2	382890	5094641		U	-	-	7.35	408	305	160.2	197	-0.63
1584	21I2	382904	5094963		U	-	-	7.23	457	358	193.3	248	2.12
1585	21I2	382803	5095376		D	35	60	6.77	324	259	152.2	169	-0.92
1586	21I2	382698	5095545		D	100	4	7.20	432	283	100.1	182	-3.26
1587	21I2	382647	5095712		D	140	25	7.03	381	279	124.5	147	0.10
1588	21I2	382588	5095880		D	163	10	6.95	431	323	166.1	209	-1.93
1589	21I2	382444	5096039		D	-	35	6.35	815	758	137.8	258	-0.14
1590	21I2	382379	5096262		D	-	-	6.70	1061	627	169.6	278	-2.33
1591	21I2	382435	5096361		U	-	-	6.44	404	267	125.8	171	-1.55
1592	21I2	382431	5096595		D	56	2	7.63	379	305	179.5	136	-2.78
1593	21I2	382342	5096774		D	-	9	6.46	704	434	151.7	216	-0.72
1594	21I2	382263	5097109		D	-	30	7.56	389	253	110.1	108	-0.01
1595	21I2	382260	5097331		U	-	-	6.17	230	128	28.0	51	-1.74
1597	21I2	382240	5097499		D	-	30	7.63	344	222	95.5	74	0.43
1598	21I2	382313	5097686		D	14	-	7.33	410	316	193.5	206	-0.29
1599	21I2	382301	5097898		D	150	-	7.34	403	285	148.5	153	-1.68

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1567	88.10	8.18	58.5	1.2	219.00	10.54	9.97	37	0.05	125	171	46	31	3	525	86	3.0	0.5	0.1	0.5	36	10	7	1	439	248	5
1568	127.98	6.76	28.7	2.8	43.17	27.72	9.02	10	0.06	111	229	733	40	101	71	231	0.5	0.5	0.3	0.5	29	10	3	1	33	251	1
1569	10.72	0.74	1.9	0.3	3.44	6.62	10.34	10	0.05	25	15	34	18	11	23	500	0.5	0.5	0.4	0.5	6	4	3	1	169	20	1
1570	15.50	1.39	3.6	0.5	5.20	8.42	11.39	89	0.07	25	39	65	61	3	90	16	0.5	0.5	0.3	0.5	15	4	4	1	117	28	1
1571	58.34	6.85	204.1	0.7	385.00	12.79	7.56	128	0.04	488	113	391	497	52	47	246	0.5	0.5	0.1	0.5	26	4	1	1	469	275	3
1573	20.50	2.24	12.0	0.7	16.46	16.56	12.30	645	0.09	51	55	5078	858	42	83	117	2.0	0.5	0.3	0.5	18	4	8	1	93	60	1
1574	103.60	11.17	10.3	3.2	26.11	18.96	10.17	46	0.09	81	199	58	173	1833	97	435	4.0	0.5	0.6	0.5	39	15	8	1	202	238	1
1575	54.15	3.36	5.1	0.4	9.71	7.45	13.29	37	0.02	176	123	1527	10	5	516	2987	3.0	0.5	0.5	0.5	39	11	8	1	696	129	4
1576	74.03	4.30	11.2	0.6	18.87	11.06	11.40	32	0.03	100	150	3223	125	40	470	45	1.0	0.5	0.2	0.5	66	11	6	1	478	177	3
1577	131.76	17.17	336.3	22.5	784.50	16.35	9.92	110	0.03	682	237	729	238	13	3090	140	5.0	0.5	0.1	0.5	146	12	1	1	680	329	2
1578	108.11	7.68	28.1	0.7	88.23	7.65	10.22	33	0.08	202	224	55	77	5	34	30	1.0	0.5	1.3	0.5	46	13	4	1	930	551	14
1579	81.79	6.42	21.1	0.5	83.23	13.40	10.46	10	0.05	89	154	7855	137	74	61	269	0.5	0.5	4.8	0.5	29	4	1	1	415	185	6
1581	68.09	6.90	28.6	0.9	101.00	15.20	10.67	55	0.06	25	134	12028	82	7	710	135	2.0	0.5	0.1	0.5	27	4	3	1	323	204	5
1582	143.96	11.59	22.3	0.6	127.00	15.94	11.03	52	0.06	85	249	7292	435	213	26	166	4.0	0.5	0.1	0.5	52	14	5	1	872	375	7
1583	65.12	8.49	8.6	1.7	15.43	38.06	6.64	30	0.10	25	142	54	34	11	47	49	1.0	0.5	0.1	0.5	24	10	4	1	84	760	11
1584	79.44	12.27	6.9	1.6	6.12	50.88	6.77	54	0.07	25	165	84	63	309	24	233	0.5	0.5	0.1	0.5	33	16	8	5	41	508	9
1585	59.94	4.92	5.7	0.6	6.56	22.76	5.53	26	0.08	25	114	352	14	7	76	55	0.5	0.5	0.1	0.5	6	4	1	1	16	86	1
1586	61.49	7.04	12.4	1.3	70.30	22.81	5.72	25	0.09	90	125	753	3	2	25	108	0.5	0.5	0.1	0.5	19	4	1	1	80	503	4
1587	50.54	5.28	25.2	1.1	28.23	37.75	5.72	73	0.13	53	128	75	50	4	56	19	1.0	0.5	0.6	0.5	25	11	7	4	153	330	13
1588	72.79	6.85	8.7	0.9	22.68	39.17	5.24	50	0.14	25	154	72	48	18	35	479	0.5	0.5	0.1	0.5	29	12	8	4	96	338	3
1589	85.58	11.05	165.0	1.9	326.00	22.66	7.07	80	0.20	491	163	81	35	200	96	71	1.0	0.5	0.1	0.5	32	12	8	4	67	130	2
1590	92.79	11.31	95.2	1.4	224.00	21.18	4.27	50	0.11	447	176	658	32	5983	114	543	5.0	0.5	0.1	0.5	34	14	9	4	130	187	1
1591	57.07	7.00	12.8	0.7	45.45	12.81	4.73	46	0.08	51	122	813	3	4	400	143	0.5	0.5	0.1	0.5	28	12	8	5	41	85	0.5
1592	44.41	6.22	31.1	1.5	14.23	18.00	7.85	10	0.25	52	201	67	45	106	3	296	3.0	0.5	0.2	0.5	18	4	1	1	505	826	18
1593	73.12	8.19	53.9	1.2	124.00	13.03	7.67	28	0.07	241	156	64	425	44	108	59	1.0	0.5	0.1	0.5	33	4	1	1	657	390	6
1594	37.88	3.47	35.3	1.9	45.95	11.11	5.75	10	0.10	115	181	708	21	7	26	225	0.5	0.5	0.1	0.5	16	4	1	1	348	825	18
1595	17.50	1.79	21.7	1.0	42.10	9.67	4.37	10	0.04	25	15	1798	95	6	1561	377	0.5	1	0.1	0.5	6	4	1	1	73	62	0.5
1597	24.19	3.33	39.8	1.9	40.33	9.28	6.19	23	0.16	97	165	50	154	59	11	15	1.0	0.5	0.1	0.5	6	4	1	1	213	768	26
1598	71.73	6.77	9.0	1.3	13.95	9.72	6.94	10	0.05	25	156	1970	35	11	128	40	0.5	0.5	0.3	0.5	24	4	1	1	328	644	6
1599	54.26	4.48	15.1	9.4	27.45	15.48	7.83	155	0.10	58	138	928	453	4	38	26	0.5	0.5	2.2	0.5	27	9	4	1	411	940	11

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1601	2112	382212	5098099		D	80	30	6.85	548	392	207.2	227	-1.67
1602	2112	382155	5098356		D	40	17	7.18	215	165	101.7	102	-1.88
1603	2112	382021	5098636		D	75	13	6.42	332	208	82.8	123	-1.32
1604	2112	381954	5098760		D	8	-	5.79	177	94	14.1	27	-0.27
1605	2112	381562	5098923		D	16	4	8.47	820	137	81.8	84	1.06
1606	2112	381541	5099035		D	87	4	6.78	179	217	124.8	83	1.75
1607	2112	381612	5099078		U	-	-	7.36	216	158	90.5	97	-1.63
1608	21H15	383146	5094269		D	68	42	5.80	200	377	164.7	249	0.72
1609	21H15	383205	5094090		D	19	35	7.31	566	116	30.8	60	-1.38
1610	21H15	383180	5094013		D	52	14	5.70	303	157	17.4	60	-2.20
1611	21H15	383224	5093901		U	-	-	5.55	281	152	18.5	61	-2.11
1612	21H15	383354	5093765		D	-	19	7.38	350	244	139.3	137	-1.01
1613	21H15	383421	5093642		D	32	38	6.50	350	224	104.4	153	0.06
1615	21H15	383365	5093543		U	-	-	6.63	453	262	98.0	135	-1.93
1616	21H15	383402	5093464		D	52	4	7.08	440	283	124.1	176	1.50
1617	21H15	383525	5093384		D	15	-	5.95	141	75	32.8	40	-0.15
1618	21H15	383361	5093354		D	16	1	6.23	277	145	48.0	105	-1.41
1619	21H15	383412	5093164		D	28	11	7.63	280	192	121.0	101	1.27
1621	21H15	383179	5092746		D	-	9	6.63	200	140	71.3	86	1.53
1622	21H15	382954	5092695		D	22	10	5.97	114	64	30.2	38	0.01
1623	21H15	382593	5092046	F	D	108	5	7.62	280	187	108.9	89	0.59
1624	21H15	382525	5091758		D	55	16	7.61	246	171	103.7	88	-1.98
1625	21H15	382652	5091078		D	30	17	7.75	345	214	101.1	143	0.42
1626	21H15	382841	5090852		D	-	-	7.35	241	156	72.8	101	-1.63
1627	21H15	382755	5090798		D	20	-	6.73	316	202	78.1	112	-2.22
1628	21H15	382269	5090940		D	20	2	6.57	747	551	359.5	347	-1.46
1629	21H15	382052	5090922		D	300	30	6.31	165	85	36.5	51	-0.49
1630	21H15	381537	5090332		D	70	8	7.56	421	290	171.2	98	0.20
1631	21H15	381354	5090091		D	55	6	6.83	428	317	206.6	159	0.68
1632	21H15	380928	5091333		D	32	37	5.43	105	49	10.2	28	-0.22

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1601	84.43	4.17	23.7	3.0	34.49	21.80	8.55	10	0.03	25	166	4168	3	0.5	129	78	1.0	0.5	0.3	0.5	25	4	1	1	404	285	5
1602	38.49	1.52	3.5	0.5	4.13	6.32	7.99	10	0.03	25	70	297	3	0.5	408	74	0.5	0.5	0.7	0.5	24	4	22	1	424	106	2
1603	44.71	2.92	14.3	1.0	41.23	7.76	9.39	21	0.03	25	90	3264	3	2	807	19	0.5	0.5	0.3	0.5	6	4	1	1	289	307	2
1604	8.59	1.52	18.4	1.9	35.15	6.50	7.43	10	0.02	25	15	53	3	2	396	36	2.0	0.5	0.2	0.5	6	4	1	1	86	68	0.5
1605	31.63	1.47	3.3	0.6	4.67	2.71	10.02	39	0.06	25	56	37	28	9	2150	124	1.0	0.5	1.1	0.5	6	4	3	1	321	242	2
1606	27.66	3.46	31.8	2.0	14.05	5.49	5.98	21	0.25	99	83	35	79	8	3	9	1.0	0.5	0.2	0.5	14	4	1	1	433	1082	20
1607	36.07	1.76	5.1	0.3	11.85	4.03	7.35	10	0.07	25	73	369	3	0.5	3	2	1.0	0.5	0.5	0.5	6	4	1	1	290	225	2
1608	80.58	11.67	15.7	1.8	62.14	28.80	10.42	21	0.08	53	166	38	62	250	12	307	1.0	0.5	0.5	0.5	26	10	5	1	87	1055	13
1609	19.45	2.95	10.1	1.8	30.25	13.20	7.49	10	0.03	25	41	74	127	5	120	113	0.5	0.5	0.1	0.5	14	4	3	1	155	73	1
1610	19.42	2.98	28.2	3.0	63.74	15.08	4.57	26	0.02	52	57	2446	11	12	62	49	16.0	0.5	0.1	0.5	31	16	15	1	117	133	0.5
1611	19.90	2.87	26.5	3.9	56.98	14.65	4.43	10	0.03	51	63	4324	19	8	60	61	0.5	0.5	0.1	0.5	43	24	24	1	105	92	0.5
1612	46.01	5.61	13.0	1.2	7.27	21.16	9.48	26	0.08	25	133	58	62	216	25	28	0.5	0.5	1.0	0.5	53	30	25	1	120	635	13
1613	52.09	5.71	3.5	1.4	19.25	27.84	7.92	24	0.06	147	118	752	19	134	42	47	0.5	0.5	0.1	0.5	54	29	24	1	97	413	4
1615	45.40	5.38	26.7	1.2	59.18	16.73	7.75	24	0.08	80	106	1152	3	4	103	15	1.0	0.5	0.2	0.5	6	4	1	1	91	356	5
1616	62.19	5.20	15.9	0.9	41.19	23.07	8.78	38	0.07	50	142	34	294	975	26	91	0.5	0.5	1.2	0.5	25	9	4	1	165	343	5
1617	13.31	1.71	5.1	0.4	6.05	8.63	5.55	48	0.04	25	44	1089	3	7	161	20	0.5	0.5	0.1	0.5	6	4	5	1	39	34	0.5
1618	36.68	3.37	3.5	0.7	22.45	10.35	12.31	254	0.05	102	83	7515	226	12	74	49	0.5	0.5	0.3	0.5	16	4	5	1	156	92	2
1619	33.80	4.11	14.1	0.8	6.70	0.36	7.94	22	0.12	25	105	52	469	238	15	37	0.5	0.5	13.2	0.5	43	4	4	1	1900	260	5
1621	29.99	2.80	7.2	0.6	13.16	9.29	5.77	43	0.06	25	75	52	3	0.5	50	17	0.5	0.5	0.1	0.5	15	9	5	5	65	76	2
1622	13.65	0.99	1.8	0.2	4.72	5.01	6.84	10	0.04	25	43	42	240	33	267	278	0.5	0.5	0.3	0.5	23	13	14	1	37	17	1
1623	28.44	4.41	17.5	1.8	10.39	5.27	8.17	10	0.14	25	153	64	3	4	14	10	4.0	0.5	0.1	0.5	47	14	12	1	1114	735	21
1624	28.52	4.11	11.5	1.5	4.66	8.80	6.26	22	0.22	25	106	56	824	216	18	21	0.5	0.5	7.9	0.5	33	17	17	1	151	298	7
1625	50.04	4.52	9.0	1.7	19.90	17.21	5.64	10	0.04	58	116	4697	12	4	36	19	0.5	0.5	0.1	0.5	33	18	13	1	87	67	3
1626	29.50	6.86	1.6	3.5	9.69	25.95	4.84	24	0.14	25	98	56	242	70	24	132	0.5	0.5	0.4	0.5	40	16	15	1	172	393	13
1627	39.30	3.44	15.3	1.3	45.49	10.97	7.83	40	0.06	25	97	49	322	32	55	1309	2.0	0.5	0.8	0.5	31	14	12	1	106	64	1
1628	125.82	8.07	14.8	2.8	14.21	13.00	8.53	35	0.04	437	256	536	170	2910	30	53	0.5	1	0.4	0.5	59	22	15	1	678	411	4
1629	17.50	1.94	4.3	1.0	9.54	8.76	4.09	10	0.03	25	48	1099	14	3	84	15	0.5	0.5	0.2	0.5	6	4	6	1	50	40	1
1630	34.33	3.15	47.9	2.4	9.69	8.87	7.25	56	1.99	51	208	1877	50	27	10	47	0.5	0.5	0.8	0.5	29	4	6	1	617	403	19
1631	52.13	7.15	26.0	2.8	5.26	2.17	10.46	10	0.64	25	165	40	1262	385	44	135	1.0	0.5	2.0	0.5	37	10	4	1	1060	572	15
1632	8.46	1.75	3.5	1.1	7.43	6.09	7.52	10	0.02	25	15	2938	55	15	42	275	2.0	1	4.2	0.5	6	4	5	1	37	35	1

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1634	21H15	381427	5091468		U	-	-	6.30	88	62	27.9	39	-0.05
1635	21H15	380540	5094086		D	-	17	5.93	159	98	45.5	54	-1.91
1636	21H15	381016	5093899		U	-	-	6.78	300	226	133.1	126	0.47
1637	21H15	380816	5093958		D	20	85	6.03	37	136	37.0	65	-2.12
1638	21H15	381703	5094163		D	30	13	7.25	623	390	176.8	263	-0.92
1639	21H15	382303	5094330		D	-	12	5.70	194	118	34.3	61	-0.61
1641	2112	375974	5096266		D	35	15	7.60	317	264	165.9	55	-0.37
1642	2112	374984	5095974		D	-	5	6.23	216	137	67.0	83	-0.73
1643	2112	374308	5095844		D	48	18	4.91	153	60	6.5	26	-2.67
1644	2112	373404	5095584		U	-	-	5.13	48	26	5.4	12	0.38
1645	21H15	372575	5094856		D	20	6	6.73	318	234	150.8	139	-1.02
1646	21H15	371270	5093928		D	50	20	7.38	658	455	145.8	274	-2.52
1647	21H15	376010	5091130		D	-	-	6.83	326	236	155.5	166	0.53
1648	21H15	375940	5090342		D	125	17	7.15	397	251	116.6	144	0.72
1649	21H15	375924	5089564		D	90	25	7.95	547	332	175.4	1	-1.97
1650	21H15	375546	5089272	S	D	20	12	6.83	656	428	225.4	0	1.29
1651	21H15	377612	5094154		U	-	-	7.27	439	269	146.3	179	0.02
1652	21H15	375834	5093934		D	-	-	6.81	267	193	113.0	118	0.58
1653	21H15	376922	5094090		D	-	10	6.61	224	149	93.2	63	-2.48
1654	21H15	375429	5094242		D	25	2	6.67	335	226	128.0	147	-1.28
1655	21H15	375119	5094616		D	15	9	5.63	127	75	34.1	49	-1.17
1656	21H15	374798	5095178		D	15	12	6.96	371	280	173.3	176	-0.17
1658	2111	385107	5119963		D	100	1	7.07	202	134	71.0	80	-0.58
1659	2111	385727	5120073		D	32	17	7.48	743	407	65.6	204	-0.30
1661	2111	386690	5120044	S	D	40	3	6.76	235	159	54.1	0	-1.63
1662	2111	387883	5120300		D	-	-	7.65	815	415	81.1	195	-0.63
1663	2111	388874	5120049		D	25	30	5.74	159	87	34.1	45	2.56
1664	2111	389887	5119786		D	59	15	5.76	435	204	23.3	99	0.93
1665	2111	390704	5119727		D	-	35	4.72	171	55	4.5	22	-2.77
1666	2111	391804	5119540		D	140	7	5.74	840	405	24.1	142	0.47

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1634	13.72	1.29	0.5	0.3	3.00	8.85	6.00	10	0.07	25	15	88	11	4	97	16	0.5	0.5	0.3	0.5	16	4	7	1	14	21	1
1635	18.20	2.21	3.7	4.0	5.36	9.49	6.56	48	0.05	25	51	2069	603	15	302	175	1.0	0.5	0.2	0.5	6	4	3	1	82	35	0.5
1636	43.81	4.26	11.8	3.1	7.15	11.78	9.56	25	0.06	25	102	64	17	0.5	60	87	0.5	0.5	0.8	0.5	22	4	1	1	699	254	11
1637	21.24	3.12	16.1	6.4	23.33	12.36	7.15	10	0.06	25	100	8773	3	0.5	6305	74	0.5	0.5	0.2	0.5	19	4	1	1	392	135	3
1638	99.54	3.65	12.8	0.4	72.06	7.14	12.69	10	0.03	25	185	3549	15	3	1282	369	0.5	0.5	2.8	0.5	51	9	3	1	1485	272	8
1639	18.45	3.71	10.7	0.7	28.61	4.38	13.61	10	0.03	167	44	2265	203	54	879	554	3.0	0.5	0.5	0.5	27	4	1	1	944	99	6
1641	17.96	2.49	56.2	1.2	4.66	7.21	7.24	10	0.24	25	138	47	318	104	47	29	1.0	0.5	0.1	0.5	6	4	1	1	197	377	18
1642	29.94	2.06	5.1	1.1	17.30	5.11	8.69	10	0.13	25	58	45	88	230	515	30	4.0	0.5	0.5	0.5	6	4	1	1	21	96	2
1643	5.27	3.18	8.9	0.7	25.64	1.59	5.28	163	0.09	55	15	1296	1073	230	480	44	2.0	0.5	0.1	0.5	6	4	1	1	78	27	2
1644	3.96	0.53	1.8	0.4	3.04	6.16	4.80	10	0.03	25	15	72	3	3	620	63	0.5	0.5	0.1	0.5	6	4	1	1	11	7	0.5
1645	44.04	7.32	8.9	1.0	4.47	6.78	9.14	10	0.17	25	122	40	184	776	11	194	0.5	0.5	0.3	0.5	6	4	1	1	90	610	2
1646	85.41	14.85	35.8	0.8	143.00	20.54	6.32	10	0.18	25	185	854	15	15	163	49	1.0	0.5	0.1	0.5	22	4	1	1	211	724	5
1647	60.79	3.54	1.0	1.0	5.93	3.70	4.43	10	0.08	25	119	78	88	99	98	202	0.5	2	0.3	0.5	21	4	1	1	183	55	1
1648	54.14	2.28	20.2	0.4	42.08	9.16	5.31	10	0.02	25	101	289	3	0.5	3	72	0.5	0.5	0.1	0.5	6	4	1	4	344	62	3
1649	0.43	0.21	101.3	1.1	31.80	11.45	9.44	685	0.14	25	167	83	421	16	3	2	0.5	0.5	1.2	0.5	6	4	4	1	67	11	22
1650	0.04	0.01	138.7	0.05	32.09	21.81	10.03	10	0.26	83	45	54	3	0.5	31	19	0.5	0.5	0.7	0.5	6	4	1	1	1	4	1
1651	65.33	3.95	8.8	0.2	20.99	12.98	6.92	10	0.42	25	148	2419	3	0.5	9	26	0.5	0.5	0.1	0.5	18	4	1	1	219	378	7
1652	38.43	5.46	5.5	0.2	7.75	4.39	17.57	10	0.32	25	82	22	123	237	103	158	0.5	0.5	3.3	0.5	14	4	1	1	359	90	4
1653	17.29	4.88	13.9	0.8	3.48	3.39	7.27	10	0.23	25	80	13	463	205	42	1606	1.0	0.5	0.1	0.5	65	4	1	1	3252	404	7
1654	51.72	4.50	5.9	2.3	13.87	12.91	4.39	78	0.11	71	97	1837	49	5	1613	40	3.0	0.5	0.1	0.5	15	4	3	1	79	107	0.5
1655	17.84	1.16	1.3	0.3	10.46	3.94	5.02	10	0.05	25	15	200	944	94	212	964	2.0	0.5	0.1	0.5	6	4	1	1	13	19	0.5
1656	60.96	5.93	10.5	0.4	15.61	5.59	6.47	28	0.08	25	140	48	21	21	570	410	0.5	0.5	0.1	0.5	18	4	1	1	584	385	7
1658	25.80	3.90	5.3	0.4	9.27	8.95	9.03	10	0.09	25	50	45	134	10	3	41	0.5	0.5	0.3	0.5	6	4	1	1	83	125	2
1659	72.51	5.66	58.3	6.1	177.00	11.42	5.96	10	0.02	55	141	3899	3	0.5	31	121	0.5	0.5	0.2	0.5	23	4	1	6	293	76	2
1661	0.01	0.05	49.7	0.2	26.53	19.02	9.32	10	0.13	25	15	170	3	0.5	18	2	1.0	0.5	0.6	0.5	6	4	1	1	1	1	1
1662	69.16	5.57	66.9	2.7	158.00	17.70	6.11	10	0.02	275	149	7430	3	0.5	3	75	0.5	0.5	0.1	0.5	16	4	1	1	265	83	4
1663	13.23	3.09	8.2	0.3	12.73	5.60	8.83	10	0.04	25	15	799	164	12	59	55	0.5	0.5	0.1	0.5	6	4	1	1	27	21	2
1664	26.61	7.97	33.1	1.1	89.54	11.15	8.72	10	0.07	25	70	2291	3	8	197	25	0.5	0.5	0.1	0.5	6	4	1	1	64	77	1
1665	5.59	2.06	8.8	2.1	11.10	8.29	7.34	32	0.03	58	15	5073	3	31	264	14	0.5	0.5	0.1	0.5	6	4	1	1	125	27	0.5
1666	46.34	6.65	92.7	1.2	218.00	5.86	8.76	10	0.03	432	90	1409	47	6	850	243	1.0	0.5	0.1	0.5	6	4	1	1	52	91	2

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1667	2111	392869	5119122		D	90	10	7.49	367	218	78.5	119	-2.96
1668	2111	394919	5118553		D	45	47	6.30	181	87	29.1	44	2.05
1669	2111	396427	5119205		D	90	100	7.39	285	194	85.0	106	-1.29
1670	2111	397384	5119233		D	23	17	6.65	347	241	116.8	133	0.04
1671	2111	398331	5119151		D	35	30	6.31	310	135	22.1	95	-1.61
1672	2111	399361	5118878		D	39	75	6.90	320	227	124.8	136	0.90
1674	2111	400303	5118451		D	45	75	5.92	208	114	26.2	60	-2.46
1675	2111	405951	5118029		D	130	3	6.01	209	121	39.8	67	-2.12
1676	2111	410458	5115438		U	-	25	7.65	378	244	93.3	118	-2.87
1677	2111	409639	5113806		D	184	13	8.40	405	313	171.3	3	-0.43
1678	2111	408630	5111865		D	112	45	7.89	491	323	153.7	38	-1.07
1679	2111	405112	5110118		U	-	-	6.32	347	221	110.4	135	-0.58
1681	2111	403710	5107472		D	100	18	8.01	2380	1329	195.6	32	-1.77
1682	2111	409267	5111611		D	-	30	6.96	615	388	219.8	237	0.57
1683	2111	411114	5110628		D	230	10	7.91	2120	1283	183.5	34	-2.71
1684	2111	412947	5107512		D	-	20	6.85	913	509	132.7	253	-2.77
1685	2111	410989	5113175		D	97	12	7.45	462	244	122.3	111	-0.53
1686	2111	424479	5113938		D	26	27	6.10	519	283	73.3	162	-1.53
1687	2111	393779	5118217		D	-	12	7.51	258	249	156.5	105	-1.79
1688	2111	393572	5117398		D	68	6	8.17	181	109	54.8	26	0.15
1689	2111	394460	5116549		D	35	12	7.55	294	212	124.4	130	0.54
1690	2111	394900	5115674		D	54	7	7.70	205	167	95.5	81	2.19
1691	2111	395010	5114883		D	50	65	6.44	357	248	108.5	112	1.22
1692	2111	395550	5113941		D	130	10	7.85	275	196	115.6	34	-0.54
1693	2111	395728	5113515		D	55	18	5.88	276	161	24.8	72	-3.19
1694	2111	395925	5112856		D	-	17	6.53	191	177	67.5	74	0.88
1695	2111	396906	5113306		D	-	30	7.10	495	316	100.8	161	-1.93
1696	2111	408390	5111835		D	-	1	8.18	708	506	261.4	5	-0.38
1698	2111	408337	5111913		D	112	18	7.33	370	230	127.7	141	-0.76
1699	2111	408339	5112091		D	-	-	6.75	250	224	110.4	103	0.60

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1667	38.51	5.78	17.8	1.0	51.16	17.85	6.80	10	0.06	142	82	249	3	0.5	3	42	0.5	0.5	1.6	0.5	6	4	1	1	235	447	6
1668	14.00	2.44	8.3	1.1	9.93	12.57	7.74	10	0.05	25	50	1568	3	0.5	13	293	0.5	0.5	0.3	0.5	6	4	1	1	24	41	1
1669	35.25	4.61	15.7	0.9	26.93	16.02	7.05	10	0.06	63	90	1844	3	27	188	61	0.5	0.5	0.5	0.5	6	4	1	1	222	209	5
1670	45.82	4.68	17.9	0.5	29.63	13.18	11.28	10	0.07	79	108	202	9	635	3	1905	0.5	0.5	0.2	0.5	6	4	1	1	123	87	3
1671	23.42	8.90	15.4	0.4	25.88	12.75	8.40	10	0.06	25	48	17204	21	0.5	31	39	0.5	0.5	0.1	0.5	6	4	1	1	62	47	1
1672	47.91	4.09	11.7	0.4	14.31	12.56	10.12	10	0.07	133	87	410	11	171	13	254	0.5	2	0.1	0.5	18	4	1	5	187	79	3
1674	17.45	4.18	10.9	1.0	33.70	8.38	9.17	10	0.03	148	49	3358	11	3	436	26	0.5	0.5	0.1	0.5	6	4	1	7	62	44	1
1675	22.65	2.72	9.3	0.3	18.84	16.53	8.38	10	0.05	75	55	2398	19	2	162	11	0.5	0.5	0.1	0.5	6	4	1	9	15	38	0.5
1676	42.02	3.35	25.6	1.1	57.74	11.46	8.70	10	0.05	105	84	41	3	0.5	117	31	0.5	0.5	5.9	0.5	14	4	1	1	453	430	7
1677	1.08	0.08	97.0	0.3	17.52	18.63	6.53	10	0.32	106	40	27	3	2	3	2	0.5	0.5	1.4	0.5	6	4	1	11	40	44	8
1678	13.65	0.98	87.0	0.5	40.27	18.47	7.09	10	1.26	201	63	26	11	26	16	46	1.0	0.5	2.8	0.5	29	18	18	1	127	131	6
1679	47.97	3.95	12.3	1.2	21.29	10.24	8.84	10	0.04	74	91	4365	10	6	31	25	0.5	0.5	0.1	0.5	47	22	18	1	475	97	2
1681	11.18	1.01	474.0	0.9	635.00	1.11	5.39	10	3.32	4350	95	27	65	32	3	17	0.5	0.5	0.3	0.5	39	13	9	1	1042	566	9
1682	86.69	5.19	20.8	0.4	34.66	9.60	9.50	23	0.06	122	152	602	25	13	28	77	0.5	0.5	0.1	0.5	55	20	16	1	813	151	6
1683	12.34	0.94	449.5	0.9	602.00	23.58	5.81	10	3.72	4300	88	326	44	46	16	16	0.5	0.5	3.8	0.5	28	12	10	1	152	633	16
1684	94.00	4.55	63.8	0.4	192.00	10.21	9.90	51	0.08	271	150	344	52	6	41	105	0.5	0.5	1.4	0.5	57	21	16	1	711	200	4
1685	38.69	3.73	26.6	1.4	30.92	7.90	10.98	10	0.09	74	71	171	15	0.5	53	20	0.5	0.5	6.3	0.5	14	4	7	1	303	841	13
1686	49.67	9.40	26.6	9.5	76.86	14.33	10.22	10	0.05	1013	157	12020	3	5	384	39	0.5	0.5	0.1	0.5	19	4	1	1	448	106	4
1687	32.24	6.05	26.5	1.9	8.42	3.92	12.27	10	0.07	25	62	33	192	135	3	14	0.5	0.5	2.0	0.5	14	4	1	1	438	795	7
1688	8.64	1.17	20.6	0.8	7.59	6.20	8.43	10	0.21	25	15	27	64	0.5	3	7	0.5	0.5	37.6	0.5	6	4	3	1	208	394	10
1689	45.77	3.98	8.5	0.4	10.43	8.78	8.55	10	0.07	58	69	27	28	59	9	22	0.5	0.5	0.4	0.5	19	4	1	1	324	256	5
1690	27.57	2.97	17.8	0.3	7.18	8.92	5.52	10	0.09	25	15	13	529	0.5	3	30	0.5	0.5	0.1	0.5	6	4	1	1	182	38	3
1691	34.64	6.45	35.2	1.4	34.51	12.92	9.34	10	0.06	87	92	4795	3	0.5	41	31	0.5	0.5	0.1	0.5	6	4	1	1	47	117	3
1692	12.02	1.13	43.4	0.6	6.40	6.44	9.13	10	0.30	25	15	31	87	51	3	2	0.5	0.5	0.2	0.5	6	4	1	1	497	528	11
1693	23.54	3.37	25.0	0.8	57.27	12.08	8.82	10	0.04	73	44	5112	90	3	34	66	0.5	0.5	0.1	0.5	6	4	3	1	46	48	1
1694	26.25	2.29	26.7	0.3	40.64	5.90	7.02	28	0.03	25	41	119	18	2	64	277	0.5	0.5	0.1	0.5	21	4	6	1	483	48	2
1695	58.65	3.81	36.5	0.9	98.58	6.46	7.64	10	0.02	25	89	1715	55	4	613	224	0.5	0.5	0.3	0.5	30	4	3	5	685	108	3
1696	1.80	0.13	162.1	0.5	48.12	23.28	6.06	10	2.76	484	61	39	89	8	3	2	0.5	0.5	1.8	0.5	6	4	1	4	66	80	11
1698	50.61	3.63	8.7	0.7	14.09	14.18	9.61	29	0.16	54	90	387	3	12	13	28	0.5	0.5	7.0	0.5	22	9	5	7	194	388	6
1699	36.58	3.01	27.2	0.3	25.98	9.45	8.43	10	0.08	25	71	1353	3	7	18	39	0.5	0.5	0.7	0.5	16	4	1	1	702	113	2

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1701	2111	408373	5112268		D	50	-	7.43	309	240	142.8	116	0.87
1702	2111	408084	5112551		D	-	15	7.49	313	238	145.0	107	0.01
1703	2111	407482	5113082		D	-	15	7.58	315	248	152.2	94	-1.65
1704	2111	407084	5113344		D	160	50	7.52	314	241	149.8	106	-2.98
1705	2111	406449	5113731		D	200	18	7.60	309	234	140.4	77	-1.07
1706	2111	406251	5113912		D	-	15	8.12	417	307	184.2	9	-2.25
1707	2111	408662	5111975		D	95	7	7.52	340	246	142.9	135	-1.71
1708	2111	408772	5112107		D	100	15	7.59	353	260	143.4	107	-1.49
1709	2111	408874	5112739		U	-	-	7.89	328	238	145.0	25	-0.99
1710	2111	409049	5113059		D	-	6	8.39	384	268	159.2	2	-0.36
1711	2111	409541	5113418		D	185	15	8.53	442	308	173.3	4	0.07
1712	2111	409584	5113717		D	212	10	8.39	445	305	172.9	4	-0.77
1713	2111	409899	5114168		D	100	-	8.46	470	295	161.5	3	2.14
1714	2111	409948	5114346		D	163	12	8.45	453	313	172.8	3	0.73
1715	2111	409999	5114689		D	75	28	7.76	466	282	104.4	126	0.63
1717	2111	409643	5111449		D	40	38	8.42	1003	629	219.8	12	0.97
1718	2111	410193	5111052		D	150	39	8.05	525	282	168.5	34	-2.29
1719	2111	410455	5111015		D	190	38	7.82	409	285	148.2	62	-0.44
1721	2111	411098	5111684		D	218	1	7.86	6070	4176	48.4	312	1.19
1722	2111	409534	5108239		U	-	-	7.04	409	139	79.5	61	0.34
1723	2111	409512	5108329		D	101	100	8.59	730	338	187.0	8	-2.70
1724	2111	416041	5109392		D	100	17	8.00	661	468	246.1	16	-1.59
1725	2111	416031	5109281		D	80	4	7.63	453	360	216.6	51	-2.79
1726	2111	417833	5110556		D	80	5	7.83	526	349	202.8	47	-1.03
1727	2111	418004	5110587		D	200	3	7.70	4210	2373	126.6	417	-0.94
1728	2111	420387	5113323		D	125	10	8.27	448	337	180.5	7	-1.60
1729	2111	422211	5114022		D	-	-	7.20	307	203	92.4	106	-0.96
1730	11L4	426553	5113024		D	40	1	6.95	346	231	111.4	141	0.80
1731	11L4	429269	5111525		D	70	30	7.60	280	191	92.9	112	-0.52
1732	11L4	431585	5110088		D	-	20	7.18	187	120	64.4	74	0.59

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1701	39.63	4.39	21.8	0.7	9.84	5.99	13.71	10	0.21	25	68	13	30	86	12	31	0.5	0.5	1.9	0.5	20	4	1	1	276	764	6
1702	35.47	4.50	23.7	0.7	7.12	5.23	14.03	10	0.17	25	67	44	62	146	10	10	0.5	0.5	1.3	0.5	19	4	1	9	353	1185	7
1703	30.87	4.36	30.9	0.6	6.93	6.93	13.66	10	0.19	25	59	54	61	146	3	36	0.5	0.5	1.5	0.5	19	4	3	1	243	1016	8
1704	35.41	4.47	21.8	0.5	6.97	5.57	14.49	10	0.17	25	61	29	93	155	3	28	0.5	0.5	1.2	0.5	19	4	1	1	312	1155	6
1705	25.41	3.50	34.9	0.6	6.08	8.73	12.99	10	0.34	25	53	53	62	114	32	11	0.5	0.5	0.5	0.5	6	4	1	9	175	969	8
1706	3.15	0.29	88.0	0.8	6.70	15.13	8.39	28	0.57	25	38	27	31	17	3	2	0.5	0.5	6.6	0.5	6	4	1	1	70	120	16
1707	48.23	3.68	14.5	0.8	13.36	11.73	10.06	10	0.18	57	77	36	9	56	3	11	0.5	0.5	0.7	0.5	6	4	1	11	221	401	6
1708	36.58	3.97	30.6	0.7	18.18	11.18	12.86	390	0.27	93	74	35	875	212	15	32	0.5	0.5	1.6	0.5	22	4	3	1	288	787	8
1709	8.76	0.81	60.4	0.4	6.73	5.57	9.77	10	0.19	25	39	29	17	42	3	2	0.5	0.5	1.2	0.5	6	4	1	1	297	363	12
1710	0.98	0.04	81.9	0.1	9.20	8.93	7.74	10	0.26	52	15	36	3	5	3	2	0.5	0.5	1.6	0.5	6	4	1	1	72	41	12
1711	1.84	0.08	94.9	0.1	14.73	15.35	7.09	95	0.41	88	44	32	38	5	3	7	0.5	0.5	1.5	0.5	6	4	1	1	48	48	10
1712	1.68	0.09	93.0	0.1	14.58	15.14	7.05	10	0.37	96	44	35	3	6	22	7	0.5	0.5	1.3	0.5	6	4	1	1	81	66	11
1713	1.44	0.05	93.8	0.1	13.78	16.53	6.82	10	0.42	117	46	21	123	8	18	2	0.5	0.5	1.5	0.5	6	4	1	1	73	56	11
1714	1.48	0.06	97.7	0.2	14.85	17.88	6.97	10	0.46	124	40	29	12	6	3	2	0.5	0.5	1.4	0.5	6	4	1	1	70	58	11
1715	41.17	5.76	38.0	1.5	65.75	12.02	11.48	10	0.09	189	78	29	3	209	10	33	0.5	0.5	0.8	0.5	15	4	1	7	414	1231	12
1717	4.43	0.34	215.6	0.6	162.00	17.68	5.69	10	2.07	1626	61	38	3	11	3	2	0.5	0.5	4.7	0.5	6	4	1	11	127	221	14
1718	12.41	0.93	68.6	0.7	5.16	15.18	8.86	10	0.80	326	47	34	3	28	3	8	0.5	0.5	8.9	0.5	6	4	1	1	96	275	10
1719	21.45	2.27	61.8	0.5	25.51	14.28	9.96	10	0.32	56	68	58	60	124	3	36	0.5	0.5	1.5	0.5	6	4	1	1	264	181	4
1721	112.64	7.56	1520.0	3.1	2460.00	10.63	5.18	100	1.32	16359	199	132	771	335	3	22	0.5	0.5	2.7	0.5	27	4	1	1	823	5260	7
1722	22.94	1.12	15.0	0.2	5.41	6.74	7.75	10	0.05	25	15	37	12	0.5	15	34	0.5	0.5	0.2	0.5	6	4	1	1	301	37	2
1723	2.79	0.33	99.3	0.4	18.59	21.77	6.60	33	0.58	108	54	13	25	12	15	2	0.5	0.5	15.4	0.5	6	4	1	1	47	119	8
1724	5.63	0.56	139.6	0.8	27.47	38.10	6.80	116	2.69	156	64	13	119	63	3	58	0.5	0.5	2.5	0.5	6	4	1	11	27	186	12
1725	16.28	2.55	84.4	1.9	12.04	16.43	8.42	10	0.29	25	45	13	405	71	3	2	0.5	0.5	0.8	0.5	6	4	1	11	101	544	14
1726	16.78	1.48	85.8	1.6	15.72	15.09	8.07	10	0.59	70	54	13	84	56	3	2	0.5	0.5	1.5	0.5	6	4	1	18	189	490	18
1727	148.92	11.07	715.0	2.9	1281.00	72.65	7.43	48	1.02	14050	215	13	112	381	28	32	0.5	0.5	1.6	0.5	16	4	1	22	141	5924	9
1728	2.45	0.22	101.4	0.5	14.19	30.12	6.26	62	1.47	51	66	13	17	3	3	2	0.5	0.5	1.9	0.5	6	4	1	20	29	119	8
1729	36.98	3.37	18.3	1.1	26.74	12.04	9.00	10	0.07	84	81	2207	3	0.5	3	591	0.5	0.5	0.3	0.5	6	4	1	1	327	226	3
1730	47.49	5.64	15.4	1.1	28.62	8.68	7.88	10	0.06	127	109	4710	20	4	144	25	0.5	0.5	0.1	0.5	15	4	1	1	277	71	3
1731	40.26	3.01	10.2	0.4	14.73	22.50	6.78	10	0.05	59	74	13	8	61	11	31	0.5	0.5	1.8	0.5	17	4	3	5	219	154	4
1732	26.34	2.05	4.3	0.3	8.35	5.28	8.37	10	0.60	25	64	13	9	0.5	51	213	0.5	0.5	0.1	0.5	6	4	3	1	427	30	3

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1733	11L4	433839	5109930		D	-	50	7.68	209	156	90.5	77	-1.79
1734	11L4	436955	5109508		D	-	-	6.09	692	333	37.1	103	-2.89
1735	11L4	438640	5108813		D	-	3	7.45	286	192	106.4	104	-1.63
1736	11L4	439038	5108420		D	-	-	7.41	323	210	106.7	123	-2.03
1737	11L4	439295	5107929		D	43	21	7.30	426	283	155.5	170	-0.82
1739	11L4	439946	5106522		U	-	-	6.39	247	147	55.8	77	-1.20
1741	11L4	438784	5105467		D	-	-	7.41	400	291	178.1	169	-1.68
1742	11L4	436775	5104065		D	35	-	7.27	385	270	158.0	162	-1.76
1743	11L4	430114	5105759		D	-	-	6.15	1613	833	44.6	182	-0.88
1744	11L4	426771	5104754		D	75	30	6.93	278	156	92.4	90	1.10
1745	2111	420179	5102647		D	57	8	6.10	195	128	58.8	63	2.36
1746	2111	420964	5107170		D	-	-	7.49	355	268	159.4	84	-2.12
1747	11L4	427691	5112655		D	27	7	6.58	216	157	70.6	76	0.08
1748	11L4	428466	5112279		D	48	-	6.65	222	155	46.3	70	-2.31
1749	11L4	429872	5110929		D	80	27	6.68	256	189	98.3	113	2.01
1750	11L4	430714	5110309		D	-	-	7.36	225	189	106.0	113	2.94
1751	11L4	432698	5110209		D	40	6	7.49	168	131	67.7	76	1.94
1752	11L4	435175	5109193		D	60	-	6.96	636	453	196.0	288	0.06
1753	11L4	436672	5109000		D	-	-	6.90	185	133	40.3	64	-0.99
1754	11L4	437912	5104842		D	40	100	7.59	215	178	95.9	103	1.28
1755	11L4	438163	5109029		D	-	-	6.48	516	336	89.8	165	-2.11
1756	11L4	436070	5103928		D	-	-	8.58	394	335	198.7	28	-2.33
1757	11L4	429954	5101861		D	65	15	7.76	249	208	124.9	125	1.79
1758	11L4	427870	5100918		D	60	21	7.17	279	220	122.2	134	0.86
1761	11L4	426415	5100880		D	-	50	7.50	476	343	152.8	169	-2.80
1762	11L4	425400	5100736		U	-	20	7.63	285	248	147.0	150	2.70
1763	11L4	424330	5100527		D	33	-	7.37	443	381	233.3	203	1.37
1764	11L4	422825	5100846		D	50	8	7.63	296	237	137.9	140	-1.20
1765	11L4	426415	5100880		D	120	1	7.96	264	198	98.6	124	2.29
1766	2111	421528	5101096		D	87	8	7.66	408	319	159.8	179	-1.94

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1733	26.63	2.71	9.2	0.7	7.73	2.79	13.47	10	0.03	25	51	13	3	52	3	18	0.5	0.5	2.0	0.5	35	4	3	8	1298	1127	11
1734	32.18	5.73	73.4	1.1	165.00	9.36	8.55	10	0.04	320	71	337	190	7	217	65	0.5	0.5	4.2	0.5	15	4	1	7	316	76	2
1735	38.61	1.92	10.7	0.8	14.44	6.22	11.48	10	0.07	67	86	88	9	0.5	78	16	0.5	0.5	1.3	0.5	21	4	20	1	510	470	3
1736	46.49	1.82	9.5	0.5	25.73	7.69	10.83	10	0.06	61	93	117	3	0.5	31	64	0.5	0.5	1.0	0.5	22	4	14	1	257	265	2
1737	63.99	2.54	12.5	0.4	19.93	15.44	11.80	23	0.06	108	173	477	3	0.5	39	164	0.5	0.5	0.8	0.5	22	4	10	1	343	188	3
1739	27.65	2.11	11.1	4.1	26.63	10.76	7.56	10	0.05	186	70	1397	137	4	831	411	0.5	0.5	0.1	0.5	6	4	1	1	88	32	0.5
1741	61.48	4.03	12.0	1.3	16.69	3.42	12.33	10	0.09	61	88	31	67	0.5	26	16	0.5	0.5	0.3	0.5	31	4	20	1	719	406	6
1742	51.15	8.45	8.8	1.3	18.05	7.28	14.40	10	0.08	65	85	54	334	347	3	100	0.5	0.5	0.5	0.5	42	4	1	1	1262	566	2
1743	59.53	8.15	231.2	7.6	462.00	10.90	6.62	29	0.05	124	85	35	1348	23	131	96	0.5	0.5	0.1	0.5	32	4	1	1	945	213	1
1744	31.85	2.62	6.6	3.5	5.11	7.07	6.42	10	0.04	25	52	31	10	0.5	163	107	0.5	0.5	0.1	0.5	19	4	1	1	511	89	2
1745	23.72	1.00	7.3	0.2	8.49	4.93	14.15	38	0.03	25	15	13	7651	1154	3	48	0.5	0.5	0.6	0.5	6	4	4	1	310	25	0.5
1746	28.60	3.27	41.2	2.2	11.19	8.66	11.34	56	0.17	25	51	420	39	18	49	114	0.5	0.5	5.7	0.5	18	4	5	14	275	847	11
1747	25.53	3.00	15.1	0.6	18.57	11.80	9.10	28	0.03	72	57	2339	179	12	3	486	0.5	0.5	0.1	0.5	18	4	1	1	384	45	2
1748	21.70	4.03	16.9	4.6	35.38	16.97	7.68	32	0.05	103	61	1367	64	0.5	36	26	0.5	0.5	0.1	0.5	14	4	4	14	124	37	4
1749	40.33	3.05	11.2	0.7	18.51	8.27	8.04	24	0.08	65	82	34	3	163	40	97	0.5	0.5	0.3	0.5	6	4	1	1	263	159	6
1750	41.65	2.37	10.6	0.4	9.20	10.02	8.57	10	0.06	25	76	33	12	0.5	18	173	0.5	0.5	0.2	0.5	15	4	3	8	277	60	3
1751	24.89	3.41	8.4	0.4	11.11	7.33	7.72	10	0.08	25	38	84	41	2	28	45	0.5	0.5	0.1	0.5	6	4	1	11	198	31	2
1752	106.10	5.76	32.9	0.9	55.55	27.95	11.16	10	0.03	25	320	16174	21	0.5	37	50	0.5	0.5	0.2	0.5	29	4	4	18	349	240	2
1753	23.32	1.54	14.7	1.0	36.94	6.93	8.21	27	0.04	25	36	47	40	2	107	14	0.5	0.5	0.1	0.5	6	4	3	18	72	45	6
1754	38.51	1.86	8.6	0.7	11.45	8.36	11.14	32	0.05	61	86	40	34	0.5	31	45	0.5	0.5	1.6	0.5	26	4	22	5	657	299	23
1755	58.96	4.52	44.1	1.9	101.00	17.59	10.22	10	0.05	340	134	7011	63	3	58	102	0.5	0.5	1.1	0.5	17	4	3	20	267	241	8
1756	8.66	1.63	88.9	1.2	11.29	16.94	6.62	163	0.69	25	66	29	120	6	3	8	0.5	0.5	5.4	0.5	6	4	42	6	69	192	9
1757	32.66	10.63	10.0	1.3	11.11	3.25	13.13	10	0.09	56	54	13	58	0.5	10	88	0.5	0.5	0.4	0.5	27	4	13	1	604	352	16
1758	36.56	10.57	11.1	1.2	19.44	5.78	12.01	10	0.05	58	86	730	70	4	13	700	0.5	0.5	0.3	0.5	26	4	8	1	411	256	11
1761	59.89	4.96	29.0	13.6	32.19	29.22	10.31	38	0.02	236	411	10206	39	29	57	129	0.5	0.5	0.5	0.5	26	4	5	1	395	147	12
1762	55.64	2.92	11.9	0.8	11.93	4.90	12.33	10	0.06	25	79	20	26	0.5	18	49	0.5	0.5	0.4	0.5	32	4	11	1	793	164	10
1763	72.29	5.52	31.2	1.2	14.84	10.85	10.87	276	0.11	55	119	30	271	8	23	141	0.5	0.5	0.4	0.5	27	4	8	1	430	391	27
1764	46.16	6.05	11.2	0.8	15.27	8.37	10.16	10	0.06	73	79	507	8	0.5	114	376	0.5	0.5	0.6	0.5	6	4	3	1	491	186	7
1765	46.94	1.84	11.4	0.5	17.30	6.36	10.16	10	0.02	96	213	4037	65	0.5	3	39	0.5	0.5	0.7	0.5	19	4	1	1	781	148	3
1766	56.42	9.42	22.7	3.6	41.86	5.13	11.72	10	0.05	159	96	5815	3	0.5	10	194	0.5	0.5	0.7	0.5	21	4	11	8	700	1487	21

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1767	2111	420050	5101070		D	160	10	9.62	305	246	131.1	4	-2.10
1768	2111	419292	5101036		D	80	3	7.98	244	213	125.3	126	-0.86
1769	11L4	418690	5101777		D	-	3	8.03	364	267	117.8	50	-0.52
1770	11L4	418781	5102176		D	-	-	7.80	239	200	122.3	124	-1.35
1771	11L4	424201	5103885		D	30	39	7.35	343	260	143.9	169	0.63
1772	11L4	425266	5104372		D	80	7	7.76	272	238	138.9	128	-0.16
1773	11L4	427153	5104416		D	-	50	8.38	238	203	116.2	27	0.72
1774	11L4	427392	5103057		D	-	-	8.03	398	303	128.2	99	-1.51
1776	11L4	427435	5102101		U	-	-	7.20	451	381	206.7	216	-1.30
1777	11L4	427632	5101121		D	100	13	7.90	237	198	113.9	127	-0.85
1778	11L4	427657	5105154		D	80	1	7.20	151	106	44.0	52	2.22
1779	11L4	428887	5105907		D	-	-	7.36	216	165	87.9	109	-0.13
1781	11L4	431689	5106231		D	-	50	6.87	402	251	65.2	131	-2.53
1782	11L4	432503	5106499		D	44	14	7.20	438	369	169.2	202	-0.57
1783	11L4	434217	5106992		D	70	100	6.66	147	113	57.7	61	0.50
1784	11L4	435869	5107630		D	-	-	7.65	207	170	92.4	99	-0.98
1785	11L4	435099	5107105		D	32	11	6.05	694	382	11.8	52	-1.32
1786	11L4	431754	5109330		D	47	10	6.86	124	96	42.2	50	-0.75
1787	11L4	425601	5112202		D	167	13	7.84	3940	2311	91.6	188	-2.46
1788	11L4	425274	5111361		D	150	-	8.87	669	557	249.4	8	-0.37
1789	11L4	424820	5110256		U	-	-	8.21	2440	1570	141.3	73	-2.02
1790	11L4	424181	5109163		D	-	-	8.31	540	423	200.2	17	-3.48
1791	11L4	423761	5113936		D	65	20	7.04	245	204	113.0	105	0.97
1792	11L4	425763	5113522		D	28	13	8.02	185	139	67.8	78	-2.79
1793	2111	416200	5110845		D	200	10	7.91	7220	4869	71.0	480	0.09
1794	2111	415764	5112318		D	25	-	7.47	378	317	180.8	179	0.29
1796	2111	415428	5112578		D	100	15	8.11	450	383	213.4	42	-2.89
1797	2111	414541	5113791		D	20	-	7.23	409	346	180.3	204	-2.57
1798	2111	414140	5114363		D	72	13	8.97	319	248	120.7	6	-1.70
1799	2111	418143	5108852		D	180	-	7.90	357	332	203.8	78	-2.25

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1767	1.37	0.29	71.7	1.0	11.45	18.74	9.26	259	0.33	25	15	385	542	7	22	2	0.5	0.5	17.0	0.5	6	4	90	5	48	43	2
1768	39.50	6.78	8.2	1.6	10.98	8.23	10.85	10	0.07	25	59	30	38	214	3	84	0.5	0.5	0.4	0.5	6	4	1	1	285	478	1
1769	13.26	4.26	64.1	1.5	44.94	12.34	8.00	10	0.20	197	38	13	180	42	60	7	0.5	0.5	2.9	0.5	23	11	11	1	160	525	15
1770	42.25	4.68	5.7	0.4	9.84	5.16	8.76	10	0.07	25	53	81	3	52	9	110	0.5	0.5	0.2	0.5	26	9	6	1	508	72	0.5
1771	61.14	4.13	9.7	1.6	17.81	8.67	8.01	10	0.06	120	78	4008	3	8	58	480	0.5	0.5	0.1	0.5	28	4	1	1	804	112	0.5
1772	45.56	3.72	16.1	1.5	14.60	7.15	9.67	10	0.13	60	67	63	3	2	15	20	0.5	0.5	3.4	0.5	21	4	14	1	543	470	7
1773	8.72	1.38	50.9	1.2	9.01	8.41	6.77	27	0.19	25	52	46	3	13	22	24	0.5	0.5	2.9	0.5	24	11	20	1	219	420	22
1774	35.51	2.60	52.5	1.2	44.18	30.13	8.06	86	0.16	154	65	29	77	13	27	15	0.5	0.5	1.0	0.5	27	12	14	1	160	595	9
1776	77.21	5.70	25.9	0.8	33.23	18.98	9.69	10	0.03	162	246	2169	3	0.5	25	16	0.5	0.5	0.5	0.5	18	4	3	1	222	278	2
1777	36.01	9.07	6.7	0.4	12.53	5.48	10.81	10	0.06	25	58	2144	3	0.5	26	2	0.5	0.5	0.7	0.5	17	4	9	1	359	67	0.5
1778	18.68	1.50	10.2	2.4	13.22	7.84	6.78	10	0.03	25	70	1135	45	4	474	27	0.5	0.5	0.1	0.5	6	4	1	1	339	28	0.5
1779	38.56	3.16	5.8	0.4	10.56	8.10	7.12	24	0.06	25	51	3202	11	5	20	88	0.5	0.5	0.1	0.5	15	4	3	1	90	79	0.5
1781	45.09	4.58	28.0	9.4	62.15	16.72	6.62	10	0.04	750	134	12415	139	8	22	14	0.5	0.5	0.1	0.5	16	4	1	1	243	84	4
1782	74.82	3.80	31.4	0.6	60.49	16.26	9.99	10	0.03	96	136	1039	3	0.5	20	36	0.5	0.5	0.7	0.5	31	4	3	1	882	72	3
1783	21.73	1.76	6.9	0.5	8.63	5.61	9.40	10	0.05	108	42	157	23	0.5	98	1020	0.5	0.5	0.1	0.5	6	4	8	15	70	23	0.5
1784	33.98	3.51	8.4	0.6	14.05	8.05	8.20	27	0.07	120	42	35	17	0.5	13	23	0.5	0.5	0.2	0.5	19	4	4	1	266	125	1
1785	12.78	4.97	119.7	2.2	212.00	10.21	5.99	110	0.03	220	15	814	359	45	65	1158	0.5	0.5	0.1	0.5	17	4	1	4	737	71	0.5
1786	17.40	1.77	6.5	0.4	11.77	7.07	8.82	10	0.05	168	37	36	84	0.5	38	36	0.5	0.5	0.1	0.5	6	4	1	5	178	24	0.5
1787	66.64	5.36	760.0	2.6	1120.00	254.00	5.23	54	2.10	25	140	13	24	28	31	62	0.5	0.5	0.1	0.5	17	4	1	12	21	3092	17
1788	3.00	0.31	176.0	0.6	22.80	92.12	5.66	53	6.74	200	74	44	42	9	22	9	0.5	0.5	0.9	0.5	6	4	1	7	11	138	10
1789	25.92	2.20	535.0	1.6	675.00	179.00	5.32	10	3.71	3724	101	24	73	9	20	27	0.5	0.5	0.1	0.5	6	4	1	1	20	1230	19
1790	5.84	0.73	124.7	1.1	59.31	24.23	6.23	10	0.85	25	83	34	18	13	84	692	0.5	0.5	0.4	0.5	6	4	1	18	71	175	12
1791	34.54	4.76	17.7	0.6	16.00	6.53	9.27	476	0.08	134	42	34	411	27	14	87	0.5	0.5	0.1	0.5	6	4	1	12	363	206	5
1792	27.15	2.65	7.5	0.6	12.96	14.60	5.50	10	0.05	125	15	34	33	0.5	517	19	0.5	0.5	0.4	0.5	6	4	1	14	131	184	3
1793	171.50	12.86	1666.0	3.7	2664.00	266.00	4.94	93	1.63	25	242	13	61	484	45	34	0.5	0.5	0.5	0.5	44	14	9	24	27	7218	3
1794	65.71	3.82	23.3	2.0	18.72	12.13	6.85	10	0.79	141	220	2756	95	9	75	436	0.5	0.5	0.1	0.5	6	4	1	19	126	138	0.5
1796	13.63	2.18	96.6	1.4	20.89	21.84	10.14	727	0.79	94	53	879	494	10	11	2	0.5	0.5	4.2	0.5	6	4	1	1	123	562	20
1797	75.08	4.21	18.7	0.5	45.46	9.16	10.05	10	0.06	85	87	1591	56	24	52	569	1.0	0.5	1.1	0.5	28	4	1	1	739	131	0.5
1798	2.13	0.31	73.8	0.5	23.64	17.26	7.88	792	0.60	58	42	30	714	12	3	2	0.5	0.5	3.2	0.5	6	4	4	1	50	89	7
1799	26.82	2.91	64.2	1.3	9.59	12.17	9.92	10	0.43	25	55	13	71	82	3	2	0.5	0.5	0.8	0.5	6	4	1	1	131	562	11

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1801	2111	419074	5108540		D	-	1	8.66	887	687	234.5	12	-0.72
1802	2111	420460	5107588		D	60	-	8.48	393	353	206.7	32	0.99
1803	11L4	423133	5107521		U	-	-	8.79	465	390	185.0	7	0.20
1804	11L4	423500	5107805		D	-	-	7.83	4020	1988	73.2	192	-1.26
1805	2111	420933	5106515		D	145	11	7.87	5320	2633	92.9	293	-0.20
1806	2111	420752	5105651		D	28	12	7.63	327	299	186.9	179	0.22
1807	2111	420586	5104819		D	65	1	7.72	120	98	46.7	50	-1.67
1808	2111	420633	5104252		D	82	1	7.80	166	134	72.2	81	-1.69
1809	2111	420292	5102990		D	-	6	7.62	171	140	80.7	92	1.23
1810	2111	417947	5101742		D	-	-	8.12	1098	754	126.6	50	-1.92
1811	2111	417195	5101586		D	20	30	7.80	193	162	90.3	95	-3.25
1812	2111	416315	5101153		D	-	-	8.03	168	151	83.6	84	0.03
1813	2111	414371	5098746		D	-	18	7.66	350	281	127.1	158	-0.78
1815	2111	413870	5097853		D	110	6	7.50	220	183	99.6	106	-1.25
1816	2111	414529	5097355		D	-	-	7.32	209	166	90.9	104	-1.59
1817	2111	414964	5097982		D	-	-	9.58	446	426	249.4	3	0.87
1818	2111	415733	5098794		U	-	35	6.94	258	204	91.0	113	-1.01
1819	2111	416485	5098862		D	100	-	7.39	210	182	97.2	103	-1.81
1821	2111	416325	5099620		D	-	50	7.45	324	281	140.7	108	-0.93
1822	2111	413864	5100142		D	-	-	8.15	252	220	120.9	64	0.76
1823	2111	413410	5097571		D	-	10	7.29	359	299	154.4	191	-0.57
1824	2111	412625	5097326		D	85	-	9.26	277	240	138.3	8	-1.64
1825	2111	413704	5095355		D	100	-	9.31	389	340	204.8	3	-0.68
1826	2111	414442	5096067		D	-	40	7.35	459	377	197.4	232	1.31
1827	2111	412906	5094788		U	-	-	7.09	485	394	218.7	259	0.57
1828	211	412282	5093919		D	100	37	7.50	320	254	130.6	146	0.26
1829	21H16	411139	5093069		U	-	-	7.81	231	178	98.1	108	2.54
1830	21H16	410285	5092415		D	260	25	8.01	161	143	85.7	67	-0.20
1831	21H16	408991	5090844		D	-	-	6.26	505	314	61.4	120	-1.65
1832	21H16	407952	5090293		D	128	40	6.66	182	147	86.5	92	-1.59

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1801	4.34	0.36	225.5	0.7	130.00	82.44	5.69	81	2.74	611	75	22	743	38	3	27	1.0	0.5	0.7	0.5	6	4	1	1	22	240	11
1802	11.59	0.80	97.9	0.8	8.88	17.66	6.88	85	1.49	25	66	63	58	0.5	20	2	0.5	0.5	19.3	0.5	6	4	1	1	73	218	6
1803	2.43	0.31	125.0	0.7	54.20	11.27	8.09	577	2.20	311	62	33	355	6	3	10	0.5	0.5	14.3	0.5	6	4	1	1	118	119	8
1804	66.39	6.59	665.0	2.7	1145.00	1.64	5.44	10	1.79	10300	155	13	48	132	3	50	0.5	0.5	0.5	1.0	289	4	1	1	15780	3979	9
1805	104.07	8.32	879.0	4.3	1400.00	132.00	5.34	71	1.54	26950	177	13	80	271	26	66	0.5	0.5	1.1	7.0	32	12	1	1	46	4937	8
1806	64.79	4.33	12.9	0.7	11.09	4.88	11.86	41	0.12	54	79	80	23	0.5	19	95	0.5	0.5	3.0	0.5	35	4	7	1	683	202	2
1807	17.53	1.65	3.9	0.2	7.09	4.18	14.99	32	0.12	25	15	28	1125	388	13	716	2.0	0.5	0.3	0.5	18	4	3	4	206	25	0.5
1808	25.62	4.32	3.1	1.0	7.28	10.45	8.80	10	0.10	25	38	48	56	2	15	17	0.5	0.5	1.1	0.5	6	4	1	1	227	634	1
1809	31.03	3.73	2.7	0.5	7.24	5.82	8.21	10	0.07	25	40	24	45	4	229	39	0.5	0.5	0.9	0.5	6	4	1	1	373	48	0.5
1810	14.19	3.59	244.8	1.9	302.00	51.90	7.35	10	0.47	1362	63	31	64	41	13	16	0.5	0.5	1.9	0.5	6	4	1	1	49	604	26
1811	31.75	4.00	5.1	0.8	8.05	13.00	8.31	10	0.07	25	44	61	13	0.5	20	52	0.5	0.5	0.9	0.5	14	4	5	6	173	257	4
1812	27.03	4.04	8.1	0.9	5.90	10.40	10.49	10	0.17	25	43	33	28	102	3	22	1.0	0.5	1.8	0.5	6	4	1	1	136	359	3
1813	52.44	6.73	21.7	1.2	31.75	30.25	7.08	10	0.05	112	132	2056	20	183	39	52	0.5	0.5	0.5	0.5	19	4	5	8	166	94	0.5
1815	39.06	2.26	9.4	0.8	15.55	5.01	9.93	10	0.06	25	73	1380	3	0.5	34	85	0.5	0.5	0.7	0.5	6	4	6	10	149	148	0.5
1816	39.35	1.52	3.3	1.2	12.48	7.98	8.63	10	0.06	52	102	60	23	2	41	117	0.5	0.5	0.9	0.5	14	4	1	12	245	56	0.5
1817	0.82	0.24	133.3	0.6	12.44	19.85	8.38	350	0.42	25	15	25	285	6	3	2	0.5	0.5	19.2	0.5	6	4	213	1	26	20	7
1818	40.50	3.07	14.3	0.5	29.08	15.56	10.13	10	0.06	25	98	48	15	2	58	56	0.5	0.5	0.1	0.5	18	4	8	15	46	46	0.5
1819	37.25	2.63	9.4	0.4	14.01	11.69	8.88	10	0.08	25	74	61	3	0.5	17	138	1.0	0.5	0.6	0.5	6	4	1	4	98	51	0.5
1821	36.31	4.32	41.0	2.3	36.09	9.60	8.89	52	0.09	137	90	994	47	5	17	41	27.0	0.5	0.3	0.5	24	4	4	10	613	428	9
1822	22.57	2.01	39.3	1.8	15.62	6.87	9.67	36	0.16	25	52	31	14	0.5	3	24	1.0	0.5	1.8	0.5	6	4	26	1	377	231	3
1823	73.32	2.16	10.9	0.3	38.90	5.84	11.20	10	0.05	86	134	1003	16	0.5	314	42	0.5	0.5	1.1	0.5	27	4	1	1	664	80	2
1824	2.70	0.51	69.0	0.8	11.93	9.35	7.46	54	0.15	53	15	57	44	0.5	9	31	0.5	0.5	13.8	0.5	6	4	78	4	78	68	8
1825	1.35	0.14	103.1	0.5	6.22	16.64	6.87	23	0.39	25	15	31	3	0.5	3	13	0.5	0.5	4.3	0.5	6	4	17	1	44	15	0.5
1826	83.50	5.88	23.5	1.2	34.90	13.94	11.64	10	0.07	85	211	4781	3	0.5	14	226	0.5	0.5	0.1	0.5	29	4	6	1	467	214	0.5
1827	94.90	5.55	14.8	1.1	33.31	8.38	11.29	37	0.04	121	212	4649	21	2	15	1023	0.5	0.5	0.1	0.5	40	9	8	7	931	181	8
1828	53.90	2.85	15.7	3.3	22.38	12.74	9.47	10	0.05	59	206	2431	3	0.5	41	73	2.0	4.5	1.0	0.5	23	4	6	1	664	115	0.5
1829	40.72	1.71	10.4	1.0	6.69	7.12	8.44	10	0.03	25	98	3232	3	0.5	48	57	0.5	0.5	1.5	0.5	23	4	5	1	737	86	7
1830	22.52	2.73	12.0	0.9	4.52	3.09	10.79	10	0.07	25	54	19	3	2	3	2	0.5	0.5	0.6	0.5	15	4	10	1	429	128	2
1831	42.04	3.73	58.7	1.3	129.00	8.36	7.06	10	0.03	67	101	1814	112	7	1441	72	0.5	0.5	0.1	0.5	27	9	3	1	730	98	9
1832	25.66	7.01	4.2	0.4	9.14	6.31	7.25	10	0.05	25	54	20	41	14	24	44	0.5	0.5	0.1	0.5	17	4	4	1	352	31	6

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
1833	21H16	407160	5089660		D	235	8	9.47	874	670	323.9	2	1.64
1834	21H16	392978	5089890		D	-	16	8.53	305	146	87.1	90	-0.84
1835	21H16	392688	5089272		D	85	14	6.00	54	261	156.8	3	-2.47
1836	21H16	395063	5090765		D	18	14	6.85	145	119	65.0	67	-0.79
1838	21H16	395111	5091765		U	-	-	9.18	306	262	150.8	1	-1.53
1839	21H16	396346	5089166		D	120	2	7.96	242	174	69.7	97	-2.13
1841	21H16	399239	5091629		D	85	16	7.86	292	206	98.3	143	1.92
1842	21H16	399937	5091685		D	-	-	7.25	190	145	71.7	84	1.08
1843	21H16	400250	5090868		D	78	4	6.74	215	156	72.6	97	-0.74
1844	21H16	399795	5092454		D	125	1	6.67	213	150	64.5	95	-0.76
1845	21H16	399474	5093693		U	-	100	7.04	546	440	246.8	281	0.30
1846	21I1	402293	5118453		D	-	-	6.29	483	282	87.1	171	-2.32
1847	21I1	402993	5117819		D	-	-	7.35	288	213	119.9	140	1.90
1848	21I1	403523	5116666		D	45	100	6.10	429	241	30.4	114	-1.64
1849	21I1	404074	5115868		D	49	-	6.29	338	212	64.4	123	-2.93
1850	21I1	404835	5115179		D	80	90	6.26	323	204	59.9	107	-0.90
1851	21I1	412730	5108015		D	-	-	6.68	277	201	106.0	106	-1.38
1852	21I1	412790	5106781		D	30	-	7.51	359	270	160.4	161	1.52
1853	21I1	413581	5103691		D	75	10	7.76	311	254	154.4	101	-0.81
1854	21I1	414179	5102216		D	63	9	7.75	856	521	116.9	74	-1.91
1855	21I1	414416	5101446		D	-	-	7.90	1255	816	108.4	106	-2.51
1856	21I1	415194	5100646		D	80	56	7.84	517	324	98.5	77	-1.25
1857	21I1	407053	5111310		D	100	10	6.99	263	177	88.4	108	0.79
1858	21I1	404369	5108551		D	200	-	6.81	410	313	186.4	197	1.92
1861	21I1	402774	5105920		D	80	35	8.48	501	404	234.2	5	-0.41
1862	21I1	400491	5099555		D	68	49	8.21	331	275	159.7	44	2.81
1863	21I1	400468	5098177		D	45	45	6.24	262	172	83.1	107	0.83
1864	21I1	400606	5098542		D	25	7	7.48	326	256	156.0	137	2.23
1865	21I1	409935	5116113		D	135	-	5.97	320	191	41.1	86	-2.52
1866	21I1	408316	5116748		D	32	-	6.56	192	133	53.4	78	1.48

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1833	0.70	0.09	222.5	1.4	75.68	38.24	7.08	28	0.65	25	162	13	46	5	3	12	0.5	0.5	0.4	0.5	6	4	1	1	44	14	0.5
1834	34.37	1.23	4.4	0.9	3.67	4.47	6.80	10	0.02	25	15	1977	3	6	2266	325	0.5	0.5	0.1	0.5	15	4	1	1	816	24	21
1835	1.16	0.09	76.7	1.4	3.47	15.53	4.84	10	1.06	25	64	13	205	12	3	28	0.5	0.5	1.3	0.5	6	4	1	1	41	30	20
1836	25.12	1.20	4.4	1.3	5.84	5.24	9.81	41	0.06	25	79	461	3	4	33	111	0.5	0.5	2.1	0.5	28	12	16	1	405	79	5
1838	0.23	0.16	77.9	0.6	5.90	14.73	10.07	1367	0.88	25	54	13	737	4	3	2	0.5	0.5	0.5	0.5	6	4	1	1	5	11	7
1839	34.42	2.92	12.1	0.4	33.42	8.41	10.36	10	0.05	25	65	1346	80	0.5	3	2	0.5	0.5	0.7	0.5	6	4	1	1	368	83	61
1841	48.50	5.43	8.3	0.9	23.83	4.11	9.42	10	0.06	135	92	5923	3	0.5	95	25	0.5	0.5	0.8	0.5	14	4	1	1	1047	326	5
1842	29.36	2.70	8.3	3.3	10.27	7.52	8.07	10	0.04	25	65	2979	3	0.5	22	73	0.5	0.5	0.2	0.5	6	4	1	1	443	44	4
1843	34.70	2.55	7.8	0.9	17.65	6.74	7.62	10	0.03	25	67	3630	437	65	697	370	3.0	1	0.2	1.0	6	4	1	1	757	44	6
1844	32.26	3.56	6.1	0.5	18.01	7.69	12.30	10	0.06	25	64	3727	28	50	58	46	0.5	0.5	0.1	1.0	6	4	1	1	683	51	6
1845	101.06	7.12	16.3	3.2	41.14	3.30	15.53	10	0.05	336	188	3549	23	0.5	171	230	0.5	0.5	0.7	0.5	52	10	9	12	1416	984	4
1846	55.15	8.27	20.2	4.5	65.70	21.87	10.74	28	0.04	127	132	8222	3	0.5	682	160	0.5	0.5	0.1	0.5	27	4	5	18	150	108	13
1847	51.61	2.95	6.3	0.4	15.91	5.44	9.66	31	0.08	25	106	381	9	20	18	43	3.0	0.5	0.3	1.0	19	4	6	22	127	96	32
1848	34.16	7.07	35.8	1.2	115.00	6.86	9.30	10	0.05	25	74	317	158	18	107	20	0.5	0.5	0.1	2.0	38	4	3	13	968	65	116
1849	41.90	4.62	16.3	0.4	62.41	11.48	9.04	27	0.06	138	89	1362	8	0.5	59	40	0.5	1	0.1	1.0	18	4	5	15	264	63	109
1850	37.55	3.37	22.2	0.8	53.94	14.42	9.40	10	0.07	74	79	2425	8	4	265	126	0.5	0.5	0.1	0.5	14	4	1	1	80	52	23
1851	39.24	2.19	12.0	6.2	15.87	7.91	8.84	39	0.06	25	112	2408	16	9	66	37	0.5	0.5	0.9	1.0	61	32	30	1	492	62	4
1852	53.73	6.69	13.3	1.3	13.10	7.80	12.78	40	0.10	25	106	22	63	293	12	56	0.5	0.5	1.0	1.0	25	4	3	1	278	625	1
1853	32.71	4.87	30.0	2.1	5.74	10.76	11.55	10	0.11	25	108	57	525	83	24	31	0.5	0.5	0.4	0.5	6	4	1	1	124	1457	4
1854	20.26	5.77	148.8	2.4	194.00	24.84	6.81	10	0.25	1102	80	48	88	16	3	289	0.5	0.5	1.5	0.5	6	4	1	1	122	950	23
1855	27.42	9.31	244.0	2.6	360.00	55.00	7.33	10	0.37	1811	97	62	26	49	18	105	0.5	0.5	1.9	1.0	6	4	1	1	50	1654	14
1856	23.11	4.83	74.7	2.6	99.01	10.49	8.94	10	0.17	25	70	312	9	2	17	39	9.0	0.5	14.9	0.5	25	10	17	1	328	715	17
1857	38.42	3.01	8.6	0.4	18.07	8.56	9.76	10	0.03	25	93	974	66	3	283	69	0.5	0.5	0.3	0.5	37	11	11	1	669	69	2
1858	71.09	4.86	9.5	4.2	11.70	11.65	8.34	81	0.05	80	131	64	172	4535	20	320	0.5	0.5	0.4	1.0	34	11	8	1	212	113	11
1861	1.78	0.23	125.0	0.4	15.82	17.68	6.07	161	1.96	53	77	65	164	20	10	18	7.0	0.5	2.4	0.5	6	4	1	1	72	66	4
1862	14.65	2.04	67.4	2.0	8.80	9.94	9.16	88	0.57	25	78	39	176	59	23	60	0.5	0.5	1.6	0.5	15	4	3	6	192	401	34
1863	38.50	2.71	8.8	2.4	12.59	10.71	8.72	31	0.06	55	82	4318	21	2	268	54	0.5	0.5	0.3	1.0	24	4	5	1	313	77	21
1864	48.03	4.37	18.1	1.8	5.79	7.51	12.72	26	0.15	25	96	27	163	473	28	155	0.5	0.5	0.7	0.5	24	4	6	1	227	562	6
1865	27.36	4.37	28.2	0.6	58.10	15.93	11.08	42	0.06	25	84	4557	20	0.5	640	36	0.5	0.5	0.1	1.0	17	4	4	1	7	46	20
1866	26.60	2.86	9.8	0.3	13.10	15.82	8.91	10	0.09	67	58	2359	23	0.5	45	20	0.5	0.5	0.1	1.0	6	4	1	1	9	43	14

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
1867	2111	403915	5118082		D	80	70	6.42	345	194	70.0	120	-2.14
1868	2111	390217	5117101		D	126	6	8.96	514	369	220.6	3	-2.41
1869	2111	390158	5115102		U	-	-	7.84	269	205	127.9	109	2.11
1870	2111	389686	5112443		D	-	-	7.16	146	107	59.6	55	1.57
1871	2111	390459	5110351		D	120	30	6.93	354	260	139.6	148	1.17
1872	2111	391798	5108737		D	66	10	7.52	285	209	110.6	134	2.11
1873	2111	392502	5109225		U	-	-	6.42	143	101	44.1	50	1.90
1874	2111	391635	5111752		D	-	-	7.74	324	257	125.8	135	-2.20
3001	2112	370430	5113100	s	D	35	6	7.35	174	150	79.459	0	-2.62
3002	2112	370230	5114200		D	50	15	7.92	275	210	126.216	126	0.23
3003	2112	369660	5115340		D	48	7	7.84	177	137	83.459	87	0.74
3004	2112	368960	5116760		D	45	5	7.84	199	155	91.054	88	1.75
3005	2112	369480	5117880		D	74	17	6.86	197	135	62.513	81	-0.90
3006	2112	369300	5118900		D	20	100	6.34	79	67	30.946	28	-0.48
3007	2112	370970	5119000		D	65	30	7.13	291	200	97.081	127	0.68
3008	2112	370600	5118200		D	60	4	8.15	232	176	107.568	104	1.77
3010	2112	369060	5119840		D	44	14	6.99	178	135	68.784	76	-1.12
3011	2112	368640	5120810		D	85	10	6.76	177	114	43.675	65	-2.68
3012	2112	369800	5121060		D	-	17	6.71	470	273	78.892	192	-0.33
3013	2112	367780	5120080		D	70	8	8.40	256	210	125.216	114	-2.49
3014	2112	366740	5119850		D	-	-	7.97	266	215	137.297	129	-0.75
3016	2112	366160	5119000		D	78	2	7.88	210	169	105.676	96	-3.28
3017	2112	365600	5118560		D	110	9	8.12	220	172	101.081	104	2.64
3018	2112	365660	5119580		D	-	-	7.73	258	201	121.08	125	2.76
3019	2112	364680	5118280		D	-	14	7.86	270	207	124.378	134	0.21
3020	2112	364100	5117490		D	-	18	7.82	183	153	96.216	91	-2.03
3021	2112	370020	5119200		D	25	80	7.57	311	225	128.378	148	0.78
3022	2112	363300	5116840	F	D	46	32	6.31	60	53	20.459	22	0.44
3023	21H15	363700	5094740	S	D	80	14	6.54	223	156	64.27	0	-1.38
3024	21H15	361500	5089690	F	D	75	8	6.54	140	105	42.648	59	-2.15

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
1867	36.86	6.96	14.1	0.6	31.55	13.86	11.57	10	0.09	500	93	8268	51	2	2056	687	0.5	0.5	0.1	0.5	127	4	1	19	31	51	4
1868	1.22	0.14	110.6	0.2	6.92	21.32	6.03	51	1.52	25	79	24	113	3	12	11	0.5	0.5	0.2	1.0	6	4	1	24	40	56	4
1869	31.21	7.67	16.2	1.4	4.78	5.67	9.33	10	0.11	25	62	13	11	141	30	41	0.5	0.5	0.3	1.0	18	4	1	1	59	391	39
1870	19.07	1.92	8.0	0.4	4.55	4.97	7.81	10	0.10	25	15	27	39	0.5	11	70	0.5	0.5	1.2	1.0	6	4	1	1	284	186	8
1871	53.85	3.32	18.8	0.5	16.44	10.56	12.23	278	0.42	25	97	3039	178	2	29	32	0.5	1	2.6	1.0	22	4	5	20	544	120	3
1872	48.87	2.96	7.7	0.6	18.83	7.90	10.90	32	0.09	25	82	48	31	0.5	24	30	0.5	0.5	3.6	1.0	24	4	6	21	274	171	3
1873	17.10	1.92	9.4	1.4	11.79	5.16	8.69	10	0.06	25	40	1097	25	7	3608	148	5.0	0.5	0.1	0.5	6	4	1	1	68	55	0.5
1874	45.80	5.14	20.5	1.1	36.33	12.58	8.69	10	0.17	25	87	65	15	2	12	44	0.5	0.5	0.9	0.5	22	4	4	1	253	727	5
3001	0.13	0.04	40.8	0.27	6.35	5.45	16.47	35	0.10	65	15	13	1013	15	3	2	0.5	0.5	0.5	0.5	6	4	1	1	1	1	0.5
3002	39.88	6.63	6.5	1.51	7.03	6.63	13.85	10	0.09	55	74	24	51	314	9	8	0.5	0.5	1.2	0.5	6	4	8	1	349	792	7
3003	17.26	10.72	3.6	0.29	3.27	5.34	12.82	71	0.12	58	37	21	272	31	49	26	0.5	0.5	0.2	0.5	6	4	10	6	27	16	3
3004	24.12	6.99	7.0	0.9	3.65	5.34	14.83	10	0.13	59	43	13	240	296	9	6	0.5	0.5	0.8	0.5	6	4	8	1	399	141	4
3005	22.43	6.16	6.1	0.4	21.50	3.76	11.55	10	0.05	55	15	13	75	0.5	31	181	1.0	0.5	0.1	0.5	6	4	7	1	87	23	1
3006	8.16	2.08	5.4	0.67	4.24	4.67	9.96	10	0.05	57	15	13	428	19	154	390	0.5	0.5	0.1	0.5	6	4	5	1	40	17	0.5
3007	44.79	3.88	8.2	1.02	23.60	8.74	10.83	25	0.03	69	78	1591	3	2	28	316	0.5	0.5	0.2	0.5	6	4	5	1	203	189	7
3008	26.35	9.30	8.0	1.01	3.59	5.90	13.54	24	0.09	51	56	13	19	69	25	29	0.5	0.5	1.1	0.5	14	4	4	1	225	389	14
3010	25.98	2.75	5.7	0.6	9.64	5.40	14.51	30	0.04	51	48	954	22	0.5	39	73	0.5	0.5	0.1	1.0	6	4	5	1	147	57	1
3011	17.55	5.19	6.7	0.76	9.93	11.70	13.90	37	0.06	63	44	4267	11	2	389	464	0.5	0.5	0.1	0.5	6	4	5	4	103	39	0.5
3012	68.64	5.20	11.0	0.66	94.00	4.35	9.53	29	0.03	99	109	817	38	2	12	118	0.5	0.5	0.1	1.0	14	4	4	1	98	68	0.5
3013	38.42	4.53	7.8	1.4	8.06	5.03	17.58	32	0.03	57	80	13	75	88	11	18	0.5	0.5	2.7	0.5	6	4	6	1	347	1359	19
3014	40.08	7.05	5.9	1.57	4.10	3.81	13.65	10	0.07	53	63	13	56	80	3	52	0.5	0.5	2.0	0.5	14	4	1	1	408	807	8
3016	30.05	5.11	5.3	0.91	4.71	3.93	11.71	10	0.10	56	53	13	71	297	3	10	0.5	0.5	0.3	0.5	14	4	1	1	420	246	3
3017	32.65	5.56	5.4	1.25	3.41	6.13	14.92	10	0.10	50	49	13	77	55	26	9	0.5	0.5	0.1	0.5	6	4	1	1	242	732	9
3018	40.52	5.89	6.7	1.2	3.78	7.43	13.86	10	0.10	52	57	13	3	33	9	123	0.5	0.5	0.1	0.5	16	4	1	1	140	486	8
3019	48.40	3.27	3.8	0.44	7.40	7.32	11.29	10	0.07	57	68	31	124	310	17	365	0.5	0.5	0.1	0.5	19	4	3	1	306	54	3
3020	28.47	5.07	3.9	0.59	3.02	4.49	10.85	10	0.09	52	15	13	3	2	3	13	0.5	0.5	0.1	0.5	6	4	1	1	34	74	19
3021	40.67	11.51	6.2	1.46	8.39	20.70	7.21	10	0.07	53	66	13	17	2	12	60	0.5	0.5	0.1	0.5	20	4	1	1	76	252	6
3022	6.13	1.70	4.7	0.54	4.41	5.86	8.66	10	0.05	25	15	13	10	3	91	1062	2.0	1	0.1	0.5	6	4	1	1	33	19	4
3023	0.04	0.06	49.8	0.05	32.00	2.05	7.28	28	0.07	64	15	13	3	3	3	2	2.0	1	1.0	0.5	15	4	1	1	4	1	0.5
3024	20.67	2.01	3.7	0.62	14.70	7.71	11.88	10	0.12	56	15	13	248	419	36	9	0.5	0.5	0.1	0.5	6	4	1	1	5	27	7

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
3025	21H15	369230	5090310		D	150	100	7.94	184	156	88.27	66	2.49
3026	21H15	368270	5090480		D	75	8	9.15	810	544	232.433	6	-2.61
3027	21H15	368160	5091220		S	-	-	5.93	50	34	8.0	15	1.64
3028	21H15	365200	5094900		D	85	100	5.56	39	27	4.405	9	-1.16
3029	21H15	367240	5094200		S	-	-	6.97	86	64	36.865	39	1.74
3030	21H15	367240	5094200		D	5	100	5.52	227	120	14.648	42	-2.93
3031	2112	345520	5097500		D	84	19	9.00	385	285	184.054	6	-7.47
3032	2112	346700	5098340		D	60	70	8.02	512	392	244.055	26	-1.79
3033	2113	344080	5097400		D	65	25	6.74	371	271	166.216	172	1.99
3034	2113	344640	5097000		D	58	10	5.79	63	43	14.081	19	-1.59
3036	2113	345110	5096940		D	20	-	6.82	422	300	170.27	198	2.14
3038	2112	347000	5097160		D	100	3	8.32	398	309	183.243	28	-3.61
3039	2112	347700	5097240		D	61	17	7.46	358	253	156.027	77	3.30
3040	2112	348240	5097000		D	-	35	9.16	417	305	186.217	3	-2.61
3041	2112	362500	5116560		D	-	12	7.31	293	213	127.89	139	0.81
3042	2112	362030	5116420		D	100	16	7.38	320	236	128.973	155	0.22
3043	2112	361730	5116200		D	-	18	7.06	346	217	125.95	139	-0.53
3044	2112	361650	5115770		U	180	10	7.48	338	223	102.16	156	0.99
3045	2112	361870	5115140		D	80	35	6.39	241	146	50.73	95	-0.09
3046	2112	362460	5114150		D	65	40	5.75	290	165	40.108	91	-1.33
3047	2112	362940	5115360		D	180	6	6.62	334	252	155.7	165	2.10
3048	2112	362500	5112420		D	125	40	7.41	346	261	148.27	98	0.51
3049	2112	362860	5111555	S	D	-	20	6.85	699	439	139.3	0	-2.29
3052	2112	363010	5110560		D	50	41	8.61	306	232	131.32	22	-0.49
3053	2112	361360	5116920	S	D	80	-	7.11	887	627	237.87	3	-0.44
3054	2112	360970	5116720		D	200	10	7.94	247	182	107.73	50	-1.29
3055	2112	360300	5116080		D	86	18	7.52	374	241	92.35	156	-0.60
3056	2112	359970	5116300		D	-	10	7.78	315	230	116.87	144	3.12
3057	2112	360220	5115500		D	150	15	7.34	546	404	208.92	252	0.89
3058	2112	360300	5114440		D	90	30	7.26	381	275	117.95	188	2.70

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
3025	23.43	1.87	18.9	0.82	4.10	8.86	9.20	36	0.08	51	57	13	13	0.5	3	6	0.5	0.5	3.0	0.5	6	4	14	1	217	302	9
3026	2.23	0.24	171.1	0.35	74.60	55.70	5.39	10	1.42	272	1114	13	3	2	3	2	0.5	0.5	0.1	1.0	6	4	1	1	14	56	91
3027	4.92	0.83	2.2	0.58	2.84	8.10	6.19	10	0.03	54	15	13	21	38	193	9	0.5	0.5	0.1	0.5	6	4	1	1	15	40	1
3028	2.96	0.59	2.9	0.57	5.52	3.80	5.60	46	0.04	57	15	288	19	23	54	34	0.5	0.5	0.1	1.0	6	9	1	1	19	6	0.5
3029	14.20	0.92	1.7	0.45	2.25	1.75	5.47	51	0.05	25	15	13	252	131	20	32	0.5	0.5	0.1	0.5	19	14	1	1	11	20	0.5
3030	12.30	2.80	5.8	27.89	23.50	16.50	8.03	27	0.02	25	15	8713	3	4	14	32	2.0	0.5	0.1	0.5	6	4	1	1	136	50	0.5
3031	2.36	0.06	76.5	0.45	4.63	9.25	7.22	10	0.35	50	15	13	10	17	3	2	0.5	0.5	0.1	1.0	6	4	1	1	31	55	16
3032	10.10	0.40	106.9	0.86	4.11	16.30	7.12	10	1.35	25	15	13	3	44	3	7	0.5	0.5	0.3	0.5	6	4	1	1	157	251	24
3033	59.31	5.86	8.8	1.0	8.81	6.55	13.32	33	0.11	53	97	13	3	11	14	38	0.5	0.5	0.2	0.5	34	17	1	1	503	382	11
3034	6.66	0.80	3.3	0.47	6.94	4.56	6.08	10	0.03	25	15	13	55	9	465	56	0.5	0.5	0.1	0.5	6	4	1	1	119	39	0.5
3036	71.68	4.86	10.8	1.41	15.70	10.30	10.83	25	0.08	62	122	3391	32	12	42	85	0.5	0.5	0.1	2.0	19	9	1	1	434	380	12
3038	9.77	0.90	79.1	0.95	12.94	12.00	8.66	10	1.05	25	15	13	3	57	3	2	0.5	0.5	0.1	0.5	6	4	1	1	69	228	17
3039	27.89	2.02	45.4	1.96	3.63	6.51	7.61	21	0.23	25	46	13	73	293	3	11	0.5	0.5	0.1	0.5	6	4	1	1	263	641	22
3040	1.13	0.06	88.8	1.21	3.93	15.80	7.93	30	0.08	25	15	13	3	4	3	2	0.5	0.5	0.4	0.5	6	9	1	1	25	23	9
3041	40.01	9.67	5.9	0.91	6.68	13.10	8.08	10	0.08	55	69	99	3	4	3	53	0.5	0.5	0.1	1.0	23	17	1	1	64	170	4
3042	42.51	11.94	6.5	1.37	11.40	23.80	9.03	52	0.08	55	90	177	3	2	24	37	0.5	0.5	0.1	0.5	19	10	8	6	89	213	7
3043	44.06	7.23	6.2	0.39	14.40	8.35	9.50	21	0.09	57	75	141	3	0.5	16	58	0.5	0.5	0.1	0.5	14	4	3	1	373	117	5
3044	44.76	10.80	5.9	1.0	36.50	12.70	8.67	10	0.07	63	81	13	3	0.5	12	30	0.5	0.5	0.1	0.5	6	4	3	1	110	112	3
3045	31.77	3.96	6.4	1.14	38.40	5.92	7.73	10	0.04	62	59	13	113	4	23	193	0.5	0.5	0.1	0.5	6	4	3	1	34	32	0.5
3046	20.20	9.98	15.7	0.53	37.80	16.60	16.98	10	0.07	83	45	5276	1575	412	100	97	0.5	0.5	0.1	0.5	6	4	1	1	65	47	8
3047	54.39	7.13	7.8	0.22	7.17	7.46	11.19	33	0.07	25	92	462	46	2	18	14	0.5	0.5	0.1	0.5	19	4	5	1	535	191	5
3048	32.84	4.07	36.4	1.63	17.00	6.77	12.57	10	0.07	25	88	36	34	111	3	42	0.5	0.5	2.2	0.5	6	4	1	1	216	1136	50
3049	0.06	0.01	145.3	0.62	128.00	11.30	13.96	10	0.06	113	15	30	3	4	3	2	1.0	0.5	1.3	0.5	6	4	1	1	1	1	0.5
3052	7.14	1.04	60.4	0.76	5.56	16.00	9.52	10	0.13	25	15	20	3	7	3	2	0.5	2	0.8	1.0	6	4	5	1	69	154	15
3053	1.08	0.30	196.5	0.69	22.20	160.00	8.12	10	0.10	63	15	23	3	0.5	23	2	2.0	0.5	0.1	0.5	6	4	3	1	1	6	7
3054	18.14	1.18	32.1	1.07	3.51	10.80	6.03	10	0.42	25	68	23	248	16	8	20	0.5	0.5	0.3	0.5	6	4	6	1	88	454	18
3055	56.05	4.15	8.7	0.57	52.00	12.90	12.91	39	0.08	25	111	159	40	0.5	25	161	0.5	0.5	1.9	0.5	6	4	13	6	192	878	7
3056	51.19	4.08	9.7	0.42	14.80	18.80	12.05	33	0.11	25	110	20	3	0.5	23	111	0.5	0.5	1.9	1.0	6	4	12	6	272	1271	10
3057	78.63	13.80	16.1	2.55	19.55	49.00	13.69	98	0.09	25	196	19	45	0.5	32	160	0.5	0.5	0.1	1.0	6	4	17	10	111	1390	34
3058	56.46	11.49	7.3	0.97	4.16	67.10	8.67	79	0.10	25	122	234	57	0.5	33	54	0.5	0.5	0.1	0.5	6	4	16	13	33	232	3

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
3059	2112	360360	5113670		D	62	23	7.79	277	204	113.54	121	1.96
3060	2112	360420	5112820		D	-	15	7.58	377	254	145.7	171	3.03
3061	2112	360630	5112040		D	148	60	6.96	392	284	164.03	191	2.30
3062	2112	360600	5111380		D	-	17	7.37	421	298	143.46	197	1.96
3063	2112	360780	5110670		D	-	35	7.58	240	194	112.6	95	-3.24
3064	2112	361100	5110080		D	-	10	6.89	211	155	85.97	102	2.71
3065	2112	361320	5109280		D	65	9	6.51	255	180	90.08	95	1.16
3067	2112	359100	5115160		S	-	-	7.69	164	121	68.68	69	-0.76
3068	2112	358520	5114700		D	200	4	7.80	201	156	80.19	81	1.58
3069	2112	357680	5114060		S	-	30	7.60	316	223	72.19	146	1.16
3070	2112	356900	5113680		D	-	6	7.62	357	265	144.324	165	1.88
3071	2112	356200	5113140		D	140	12	7.46	236	161	74.92	94	0.59
3072	2112	355620	5112650		D	-	-	7.53	259	184	104.135	125	3.14
3073	2112	356000	5111500		U	-	-	7.57	350	254	144.05	63	-2.94
3074	2112	355960	5110800		D	-	15	9.11	345	260	163.24	3	-3.08
3076	2112	356200	5110140		D	-	38	9.20	388	292	163.78	5	1.53
3077	2112	355160	5109800		U	-	-	9.07	355	262	138.92	4	0.18
3078	2112	354930	5110040		D	120	20	7.16	435	254	68.73	165	-2.47
3079	2112	354220	5109700		U	-	-	7.38	160	128	70.08	69	1.55
3080	2112	354400	5108750		D	110	16	7.29	202	156	90.81	96	3.17
3081	2112	354840	5107770		D	150	2	9.36	342	251	151.89	3	-2.99
3082	2112	356600	5107200		D	145	19	7.30	280	215	134.32	85	-0.13
3083	2112	355250	5107340		D	87	1	8.52	377	280	165.14	8	-3.00
3084	2112	356780	5106080		D	-	10	8.85	442	314	176.49	9	-3.80
3085	2112	353600	5109720	S	D	88	14	7.82	148	122	58.03	0	0.10
3086	2112	352940	5109310		D	-	18	8.11	270	203	122.97	17	-1.96
3088	2112	352450	5109020	F	D	55	15	6.90	349	216	77.84	107	-1.94
3089	2112	352060	5109080		D	90	43	8.14	396	268	116.3	35	-1.24
3090	2112	353500	5108660		U	-	-	8.55	253	179	95.89	20	-0.05
3091	2112	352740	5108300		D	-	12	6.44	131	94	31.38	37	-2.46

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
3059	38.79	6.03	8.4	2.07	9.01	11.40	13.78	52	0.07	25	92	24	3	19	23	19	0.5	0.5	0.5	0.5	6	4	12	9	265	1047	20
3060	54.32	8.70	6.4	1.11	7.72	16.80	11.98	56	0.05	25	124	638	3	0.5	28	11	0.5	0.5	0.3	0.5	6	4	15	9	362	479	11
3061	58.78	10.84	8.3	1.7	11.60	17.50	9.54	43	0.06	25	123	1079	3	0.5	31	100	0.5	0.5	0.1	0.5	6	4	12	5	288	371	7
3062	69.10	6.22	8.8	0.73	29.30	22.30	16.04	27	0.11	93	156	505	3	1530	10	96	0.5	0.5	0.4	0.5	15	4	1	1	179	140	9
3063	30.30	4.83	12.0	0.95	2.78	14.20	15.14	10	0.14	25	78	28	3	0.5	3	9	0.5	0.5	0.4	0.5	6	4	1	1	122	537	10
3064	36.48	2.68	4.0	0.35	9.40	5.95	10.02	10	0.05	25	78	23	3	0.5	8	11	0.5	0.5	0.1	1.0	6	4	1	1	324	57	2
3065	30.33	4.80	15.2	1.07	16.30	13.40	8.49	10	0.06	25	70	20	30	40	29	50	4.0	0.5	0.9	0.5	6	4	1	4	135	210	5
3067	24.84	1.84	4.1	0.3	2.70	7.39	11.12	10	0.07	25	52	19	3	0.5	16	21	0.5	0.5	0.6	0.5	6	4	1	1	236	147	2
3068	29.52	1.96	9.7	0.62	2.79	16.10	14.47	10	0.07	25	72	21	34	191	81	10	0.5	0.5	0.2	0.5	6	4	1	1	75	615	4
3069	50.55	4.95	5.3	0.38	3.20	75.40	10.02	26	0.07	25	127	19	3	0.5	24	19	0.5	0.5	0.3	1.0	16	9	8	1	57	438	5
3070	56.05	6.32	9.8	1.1	9.63	23.40	12.91	10	0.10	25	134	23	63	3	3	14	0.5	0.5	0.2	1.0	19	9	5	1	110	790	8
3071	34.15	2.18	8.0	0.85	12.20	18.20	9.75	10	0.15	25	93	97	60	2	9	38	0.5	0.5	0.9	0.5	6	4	4	1	42	365	5
3072	41.55	5.32	4.8	0.5	8.23	7.65	10.42	10	0.06	25	86	1354	41	2	3	161	0.5	0.5	0.1	0.5	6	9	3	1	42	176	3
3073	22.00	2.18	47.6	1.37	15.20	13.20	7.15	10	0.23	25	80	27	138	97	22	104	0.5	0.5	0.1	0.5	6	4	1	1	54	378	9
3074	1.46	0.07	75.0	0.41	3.23	7.99	7.33	24	0.80	25	15	24	37	5	3	2	0.5	0.5	0.1	1.0	6	4	1	1	16	38	9
3076	1.95	0.09	91.3	0.44	8.59	16.70	7.08	27	1.89	25	15	28	3	4	3	2	0.5	0.5	0.4	0.5	6	4	1	1	16	50	8
3077	1.68	0.06	81.1	0.32	13.20	17.80	7.32	10	1.73	25	15	20	3	5	3	2	0.5	0.5	0.1	0.5	6	4	1	1	22	48	10
3078	49.50	10.24	12.5	1.02	89.80	8.48	13.07	10	0.08	61	111	20	3	0.5	111	17	0.5	0.5	0.1	0.5	6	4	1	1	54	418	3
3079	22.20	3.35	6.1	0.71	3.24	5.79	15.45	10	0.10	25	53	20	95	655	9	21	0.5	0.5	0.1	0.5	6	4	1	4	15	160	3
3080	33.95	2.86	4.5	0.88	3.95	4.30	13.87	10	0.09	25	73	19	265	4	71	133	0.5	0.5	0.3	0.5	6	4	24	1	184	212	4
3081	1.41	0.06	72.8	0.39	6.14	10.60	6.97	24	0.41	25	15	19	3	4	3	2	0.5	0.5	6.4	0.5	6	4	14	1	34	33	12
3082	27.72	4.07	26.5	1.34	3.13	6.40	10.98	10	0.30	25	66	25	3	0.5	11	78	0.5	0.5	0.4	0.5	6	4	15	1	51	465	12
3083	3.03	0.19	79.5	0.51	3.36	19.80	7.01	10	1.05	25	39	22	3	12	3	2	4.0	0.5	2.3	0.5	6	4	1	1	41	70	8
3084	3.58	0.14	89.0	0.72	8.05	28.40	6.20	10	1.05	25	15	42	28	15	10	2	0.5	0.5	1.9	0.5	6	4	1	1	52	67	11
3085	0.01	0.01	33.3	0.05	3.72	8.37	18.35	10	0.12	25	15	41	42	0.5	3	11	0.5	0.5	0.3	0.5	6	4	1	4	1	3	0.5
3086	6.26	0.47	52.2	0.82	3.56	8.40	7.38	10	0.31	25	62	35	13	18	3	2	0.5	0.5	1.9	0.5	6	4	1	9	60	159	10
3088	37.79	3.14	21.1	1.28	55.30	5.20	10.92	10	0.17	25	71	31	1183	632	3	2	0.5	0.5	0.5	0.5	6	4	1	14	400	515	10
3089	13.15	0.55	69.5	1.12	48.30	7.22	10.43	10	0.36	25	64	34	3	0.5	3	18	0.5	0.5	1.8	0.5	6	4	1	1	264	337	22
3090	7.55	0.49	44.0	1.34	8.68	9.11	10.75	10	0.38	25	15	30	17	0.5	3	14	0.5	0.5	4.3	1.0	6	4	22	1	72	232	11
3091	11.32	2.34	8.0	1.14	16.50	4.80	17.94	10	0.08	25	15	28	11	0.5	267	2	0.5	0.5	0.5	0.5	6	4	1	1	72	244	13

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
3092	2112	350420	5107780		D	80	1	7.09	209	159	80.54	67	1.25
3093	2112	349840	5108170		D	-	8	7.65	513	336	84.92	155	-1.87
3094	2112	349380	5108410		D	-	14	7.28	389	268	128.89	175	2.81
3095	2112	350670	5109380		D	130	10	7.15	510	362	126.78	194	2.47
3096	2112	351580	5109580		D	209	50	7.21	465	258	60.81	143	-0.31
3097	2112	353600	5110840		D	-	25	6.30	49	33	7.92	15	-0.85
3100	2112	352680	5110460		S	-	15	6.36	2400	1252	117.6	599	-2.72
3101	2112	352060	5110700		D	67	17	7.13	819	460	102.351	277	-1.88
3102	2112	352830	511200		D	300	52	6.04	1434	753	60.24	326	-2.96
3104	2112	354850	5112080		D	60	30	7.29	155	120	62.79	72	2.86
3105	2112	354170	5111310		D	90	18	7.05	700	407	123.24	248	-1.84
3106	2112	347000	5104380		D	125	3	8.89	378	248	103.811	89	-1.22
3107	2112	347680	5103680		D	-	15	7.36	508	337	176.22	118	3.12
3108	2112	347950	5103040		D	-	15	7.26	245	191	118.27	115	0.72
3109	2112	345800	5103280		D	-	6	5.60	244	32	5.95	9	-0.70
3110	2112	345450	5104480		S	-	62	6.94	681	383	111.62	274	3.26
3111	2112	347640	5106380		D	218	13	7.48	756	435	114.6	152	-2.65
3112	2112	348800	5107840		D	124	35	7.20	242	169	96.3	106	1.17
3113	2112	349330	5106780		D	-	40	7.10	917	524	132.62	364	1.75
3115	2112	348900	5105780		D	-	30	7.50	338	260	143.24	151	2.23
3116	2112	347400	5105730		D	-	-	7.54	324	245	144.24	165	2.15
3117	2112	345840	5105200		D	-	20	6.90	211	136	35.84	89	-3.12
3118	2113	345160	5104830		D	225	1	7.47	1074	716	46.73	418	-3.39
3119	2113	343560	5103950	S	D	-	120	7.99	429	306	104.6	0	-2.23
3120	2113	344160	5104180		D	12	100	6.59	281	220	129.73	142	2.06
3121	2113	343040	5103380		D	225	15	7.64	248	187	100.32	123	2.98
3122	2113	342560	5102870		D	-	50	7.82	256	193	100.76	122	-3.23
3123	2113	342080	5102460		D	-	30	7.84	157	127	64.27	65	1.24
3124	2113	342080	5102460		D	-	16	7.51	242	194	114.05	113	3.17
3125	2113	340940	5102610		D	150	35	7.89	490	301	91.62	195	0.44

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
3092	24.22	1.83	16.2	0.59	5.27	12.80	16.29	10	0.23	25	75	13	3	91	3	7	0.5	0.5	0.5	0.5	6	4	1	4	140	382	30
3093	57.15	3.05	34.4	1.18	44.40	92.80	11.11	10	0.83	320	558	212	75	6	10	49	0.5	0.5	4.0	0.5	6	4	1	5	30	5843	40
3094	64.30	3.56	9.3	0.88	25.40	19.10	11.73	27	0.20	25	175	1161	57	2	27	35	0.5	0.5	0.8	0.5	29	10	6	7	264	3117	14
3095	71.71	3.69	27.0	1.29	9.69	102.00	13.12	33	0.48	80	480	26	436	28	21	23	0.5	0.5	1.6	0.5	25	9	4	9	105	5262	40
3096	46.90	6.49	27.3	2.1	89.20	9.99	10.69	40	0.04	25	118	3097	20	0.5	66	25	0.5	0.5	0.1	0.5	21	4	6	10	191	856	7
3097	5.26	0.68	2.2	0.46	5.50	3.95	6.46	84	0.71	25	15	24	224	38	935	20	0.5	0.5	0.1	0.5	6	9	8	1	24	27	1
3100	196.27	26.75	198.0	3.92	678.00	17.40	7.65	10	0.04	163	391	1690	63	0.5	201	43	0.5	0.5	0.1	0.5	48	4	1	8	1530	3048	2
3101	94.61	10.09	37.5	0.99	180.00	18.50	13.64	10	0.08	25	235	20	114	240	10	70	0.5	0.5	0.4	0.5	22	4	1	10	470	990	27
3102	86.76	26.73	134.5	2.47	403.00	22.90	12.45	10	0.05	68	194	2521	49	0.5	282	68	0.5	0.5	0.2	0.5	15	4	1	9	422	1033	17
3104	26.04	1.78	3.9	0.55	3.51	8.60	12.23	30	0.11	25	59	19	50	2	12	109	0.5	0.5	0.1	0.5	6	4	1	12	53	46	2
3105	85.50	8.44	31.4	1.08	126.00	16.30	11.51	10	0.07	25	181	3315	121	16	85	143	1.0	0.5	0.1	0.5	14	4	1	9	201	118	15
3106	32.00	2.34	39.5	1.86	47.10	10.10	9.71	33	0.37	121	441	407	16	0.5	21	31	1.0	0.5	0.5	0.5	6	4	1	15	306	716	35
3107	42.17	3.33	57.9	1.61	34.70	6.77	11.41	10	0.38	25	132	13	596	586	3	13	0.5	0.5	0.1	0.5	6	4	1	1	575	828	15
3108	40.80	3.27	6.0	1.42	3.61	5.31	10.65	10	0.07	25	85	21	525	4	3	12	0.5	0.5	0.4	0.5	15	4	1	1	289	573	4
3109	2.54	0.69	2.8	0.41	3.55	4.84	10.62	10	0.04	25	15	13	590	6	109	12	0.5	0.5	0.1	0.5	6	4	1	1	188	13	0.5
3110	94.39	9.45	19.1	0.82	125.00	8.03	11.94	10	0.10	79	247	559	14	6	19	122	0.5	0.5	0.1	0.5	57	34	19	1	511	1142	18
3111	53.31	4.70	77.3	1.47	129.00	40.10	11.32	26	0.62	1295	830	387	14	12	14	20	0.5	0.5	1.0	0.5	38	29	18	1	123	1732	66
3112	39.76	1.85	5.2	0.28	4.46	8.26	11.13	41	0.06	25	102	1364	21	6	308	22	0.5	1	0.9	0.5	41	29	19	1	307	172	5
3113	125.40	12.63	28.5	2.32	197.00	6.69	16.32	49	0.05	147	273	22	20	6	45	55	0.5	0.5	0.1	0.5	71	38	23	1	1058	1774	21
3115	50.74	6.13	13.3	5.32	13.80	10.70	13.63	10	0.19	25	167	1827	3	0.5	3	16	0.5	0.5	0.3	0.5	6	4	3	1	210	719	16
3116	61.28	2.97	4.7	0.55	9.04	6.83	12.21	10	0.04	25	154	1549	3	0.5	3	80	0.5	0.5	2.9	1.0	18	4	1	1	878	385	4
3117	25.71	6.18	5.9	0.51	22.50	20.80	12.44	33	0.05	25	93	5760	406	8	99	131	0.5	0.5	0.6	0.5	6	4	6	5	16	170	7
3118	162.40	3.28	38.4	0.31	83.30	364.00	12.07	106	0.22	473	887	95	48	73	34	57	0.5	0.5	0.7	0.5	53	24	13	11	70	5202	32
3119	0.06	0.19	94.2	0.13	25.70	69.80	10.66	116	0.19	191	159	367	15	0.5	52	9	0.5	0.5	0.4	0.5	25	11	12	17	6	3	2
3120	48.81	5.04	6.5	0.85	7.73	10.40	8.30	100	0.06	25	160	29	1986	319	40	53	0.5	0.5	0.1	0.5	30	15	12	12	83	223	3
3121	44.67	2.97	5.3	0.25	7.12	14.40	9.42	10	0.05	25	110	932	3	0.5	42	14	0.5	0.5	0.7	0.5	17	4	1	1	614	619	8
3122	44.83	2.68	3.7	0.74	9.60	19.30	8.50	10	0.06	25	121	1942	17	7	82	35	0.5	0.5	0.1	0.5	6	4	1	1	457	340	1
3123	22.44	2.29	5.5	4.28	5.87	8.12	13.13	10	0.17	25	61	29	3	0.5	3	6	0.5	0.5	3.7	0.5	6	4	1	1	303	470	5
3124	41.19	2.62	10.4	0.96	4.57	8.21	10.45	10	0.32	25	126	28	55	0.5	3	13	0.5	0.5	1.2	1.0	6	4	1	1	311	740	7
3125	71.04	4.42	17.4	0.99	88.20	10.50	11.55	10	0.14	25	158	2041	384	3	3	393	0.5	0.5	1.9	0.5	20	4	1	1	953	1264	11

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
3127	2113	340630	5101670		D	75	10	7.47	476	347	180.81	232	1.99
3128	2113	341040	5100970		D	50	-	6.50	866	531	116.97	305	-1.95
3129	2113	341420	5099950	F	D	-	100	7.58	389	296	188.89	171	-0.19
3130	2113	342100	5099300		D	-	-	7.22	1061	648	167.78	475	2.09
3131	2113	341470	5098680		D	-	50	8.95	1064	682	183.51	12	-2.46
3132	2113	340790	5098450		D	-	-	9.28	434	322	200.62	4	-2.01
3133	2113	339770	5099640		D	-	100	8.43	582	450	258.379	19	-1.79
3134	2113	340220	5098420		D	94	7	8.50	308	237	143.78	54	2.70
3135	2113	339840	5097350		D	120	18	9.00	670	436	154.595	5	-2.96
3136	2113	339250	5097430		D	58	2	7.32	199	161	95.32	98	0.64
3138	2113	338500	5098350		D	25	60	6.25	86	67	29.14	34	0.61
3139	2113	337870	5098680		D	-	30	6.27	215	168	99.54	96	-2.49
3140	2113	343240	5097880		D	100	100	7.52	1632	1033	172.16	34	-3.05
3141	2113	344660	5097690		D	85	6	6.55	481	293	153.78	116	1.49
3142	2113	342670	5798220		D	-	19	8.43	470	350	210.27	4	-6.37
3143	2113	340820	509799		S	-	-	7.19	386	271	164.27	183	1.33
3144	2113	340000	5096180		D	100	2	8.66	399	299	181.62	3	-2.63
3145	2112	370820	5100600	F	D	250	15	7.85	432	302	142.43	5	-0.35
3147	2112	369350	5099840		D	124	50	7.25	454	316	146.78	23	-0.55
3148	2112	369300	5101160		D	-	50	7.70	287	176	28.43	17	-1.88
3149	2113	339180	5096820		D	-	13	8.23	282	228	142.16	38	-0.98
3150	2113	338200	5096370		D	-	1	8.35	339	259	155.33	3	2.89
3151	2113	336520	5096140		D	160	50	7.70	141	112	63.54	58	0.56
3153	2113	336240	5097860		D	75	13	7.46	309	213	122.162	112	1.47
3154	2113	336470	5098820	S	D	-	-	7.76	992	646	180.54	0	-1.38
3155	2113	336760	5100060	S	D	-	13	7.58	414	319	175.68	0	-0.90
3156	2113	337900	5100640		D	-	15	6.31	1057	694	161.08	394	2.05
3157	2113	339010	5101580		D	-	0	6.95	717	444	156.05	321	2.95
3158	2113	340220	5102480		D	-	21	7.51	251	179	105.0	115	1.57
3159	2113	343100	5099380		D	172	41	8.56	492	379	226.76	3	-2.46

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
3127	73.54	12.00	11.5	1.89	47.00	4.58	12.29	10	0.16	25	260	23	878	56	12	488	0.5	0.5	0.6	1.0	27	4	1	1	606	1616	33
3128	105.66	10.17	50.2	2.31	217.00	10.70	9.82	10	0.05	69	229	357	313	6211	13	52	0.5	58	0.1	0.5	54	29	1	1	1257	358	17
3129	53.27	9.35	13.4	2.86	5.14	9.26	12.01	10	0.19	25	152	20	237	343	3	45	0.5	0.5	0.1	0.5	33	19	1	1	210	1031	23
3130	158.57	19.35	29.0	2.71	240.00	11.20	14.76	22	0.10	112	314	1035	8	574	17	51	0.5	0.5	0.1	0.5	55	23	10	1	1186	1348	18
3131	4.67	0.27	230.5	1.02	236.00	17.70	5.80	10	2.51	91	15	28	3	13	3	9	0.5	0.5	0.1	0.5	6	4	1	1	49	99	19
3132	1.63	0.16	95.4	0.5	4.72	9.38	7.30	165	1.76	25	15	13	52	5	9	7	0.5	0.5	0.6	1.0	6	9	3	1	24	30	9
3133	6.56	0.71	129.8	1.41	14.20	31.60	6.21	24	1.26	76	600	22	30	33	13	12	0.5	0.5	0.3	0.5	17	14	1	1	66	155	50
3134	19.04	1.67	50.7	1.44	6.32	5.16	8.53	25	0.09	25	50	21	12	67	11	10	0.5	0.5	1.7	0.5	28	16	5	1	264	385	17
3135	2.05	0.04	142.0	0.42	120.00	8.81	8.18	10	0.23	508	15	23	26	15	3	16	0.5	0.5	1.6	0.5	6	4	1	1	32	43	14
3136	36.85	1.48	3.8	0.92	3.43	5.79	12.39	10	0.10	25	74	22	106	0.5	27	31	0.5	0.5	0.1	1.0	6	4	1	1	193	222	7
3138	11.50	1.40	3.2	1.09	2.69	7.22	9.93	39	0.05	25	15	519	20	3	161	14	0.5	0.5	0.1	1.0	6	4	1	1	134	31	3
3139	32.57	3.75	7.3	0.89	8.49	7.96	7.18	10	0.08	25	83	13	50	0.5	140	17	0.5	0.5	0.1	0.5	6	4	1	1	316	235	7
3140	13.09	0.43	349.0	0.95	419.00	67.70	6.78	10	3.95	1824	41	20	3	33	38	9	0.5	0.5	0.1	0.5	6	4	1	1	52	313	25
3141	39.89	4.13	43.7	1.38	33.30	6.33	8.53	10	0.27	81	100	22	134	291	3	21	0.5	0.5	0.2	0.5	6	4	5	1	188	850	26
3142	1.68	0.09	99.1	0.43	19.30	10.80	7.84	10	0.74	88	15	20	3	4	28	2	0.5	0.5	0.1	0.5	6	4	5	4	4	36	16
3143	69.77	2.33	6.5	1.57	5.90	5.98	9.84	10	0.05	25	146	4413	3	0.5	129	148	9.0	0.5	0.1	0.5	6	4	5	1	48	71	0.5
3144	1.23	0.03	87.7	0.23	4.03	15.20	7.84	10	0.62	25	15	13	3	0.5	3	2	0.5	0.5	6.4	0.5	6	4	17	1	1	26	15
3145	2.07	0.11	96.2	0.6	34.90	15.50	6.44	263	3.56	59	76	19	323	0.5	44	274	1.0	0.5	0.7	0.5	6	4	5	5	20	60	9
3147	8.26	0.60	92.3	0.6	47.10	10.10	8.83	10	1.38	56	89	13	3	4	3	17	0.5	0.5	0.9	0.5	6	17	1	1	60	224	12
3148	5.52	0.80	52.0	1.97	72.40	6.79	7.30	504	0.07	25	15	13	607	122	3	31	3.0	0.5	0.1	0.5	41	29	1	1	63	32	8
3149	14.14	0.83	49.4	0.93	3.02	3.37	13.48	10	0.25	25	38	13	14	98	3	7	0.5	0.5	1.0	0.5	19	13	1	1	85	240	11
3150	1.39	0.03	81.0	0.28	5.84	5.68	9.60	24	0.21	25	15	20	49	10	3	6	0.5	0.5	0.5	0.5	23	17	1	1	28	21	8
3151	20.51	1.67	6.3	0.86	3.01	4.21	10.92	10	0.08	25	49	13	190	10	24	53	0.5	0.5	0.1	0.5	36	24	1	1	197	192	5
3153	36.56	5.20	16.7	1.19	10.60	9.17	10.23	10	0.11	25	127	23	59	352	3	21	0.5	0.5	0.1	0.5	50	35	1	1	266	635	14
3154	0.19	0.01	224.0	0.57	222.00	7.60	10.88	10	0.18	64	38	20	16	11	29	15	1.0	0.5	0.2	0.5	41	33	1	1	17	1	3
3155	0.01	0.01	97.4	1.29	21.50	9.19	13.45	10	0.17	25	15	412	3	4	3	9	0.5	0.5	1.2	0.5	15	12	1	1	5	1	2
3156	142.80	9.24	81.9	1.08	273.00	7.80	12.65	10	0.09	58	293	86	112	13	31	525	0.5	0.5	0.3	0.5	98	50	1	1	1675	2582	14
3157	113.10	9.44	4.4	0.86	80.90	51.00	16.49	10	0.33	92	360	23	703	283	3	41	0.5	0.5	6.9	0.5	69	45	1	1	180	10560	15
3158	40.09	3.66	2.6	0.82	2.90	9.66	12.19	22	0.36	25	119	13	3	7	17	86	0.5	0.5	4.8	1.0	41	29	1	1	256	1734	9
3159	1.46	0.08	112.6	1.1	13.80	15.00	7.48	10	0.43	25	37	13	3	13	3	13	1.0	0.5	0.5	0.5	42	31	1	1	48	29	13

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
3160	2113	344700	5100200	F	D	200	2	8.40	1100	621	151.62	11	-0.33
3161	2113	344920	5101320		D	12	100	7.41	99	72	32.19	35	-0.92
3162	2113	346030	5101870		D	125	4	8.83	386	298	171.89	2	2.07
3164	2112	347400	5101870	S	D	125	10	8.13	284	203	95.68	2	-0.88
3165	2112	348300	5101910		D	-	20	9.23	438	327	203.78	3	-2.26
3166	2112	349100	5102140		D	125	16	8.83	550	425	237.3	9	1.15
3167	2112	350100	5102280		D	-	46	8.79	436	321	179.46	10	-3.43
3168	2112	350900	5102480		D	-	-	8.73	278	212	120.0	9	-2.55
3169	2112	351960	5102660		D	188	21	7.96	299	216	120.27	122	1.22
3170	2112	352840	5102140		D	-	2	9.18	600	416	172.97	4	-0.02
3171	2112	353660	5101960		D	85	30	7.36	938	515	52.22	254	-2.50
3172	2112	354480	5101700		D	276	-	7.14	378	261	144.3	40	-0.78
3173	2112	355280	5101700		D	111	9	7.83	790	464	51.65	37	-3.32
3175	2112	358250	5110040		D	85	0	7.36	304	224	111.62	114	0.50
3176	2112	357950	5111040		D	80	14	7.94	259	183	107.57	91	2.02
3177	2112	382140	5109720		D	56	8	7.52	130	86	39.38	41	-1.96
3178	2112	381940	5108990		D	67	9	6.65	280	224	131.62	128	1.03
3179	2112	380740	5113760	S	D	55	62	8.04	472	325	179.73	0	-2.06
3180	2111	385600	5099340		S	-	-	8.30	100	80	41.05	40	-0.47
3181	2111	392640	5108450		D	-	-	7.55	245	183	103.49	114	1.23
3182	2111	392240	5110650		D	150	15	7.51	183	127	71.46	77	0.37
3183	2111	391840	5111420		D	75	50	7.57	253	184	92.16	85	-0.71
3184	2111	384650	5118120		D	135	6	7.90	300	232	138.92	117	2.29
3185	2111	385260	5118120		D	22	18	8.06	128	93	41.43	44	-0.31
3186	2111	396260	5112040		D	67	30	7.14	277	206	105.68	108	-0.17
3188	2111	396860	5113380		D	30	20	7.41	481	300	94.38	160	-2.48
3189	2111	397800	5113600		D	65	4	7.61	320	231	128.68	97	2.82
3190	2111	397940	5112740		D	18	25	7.36	219	139	46.14	92	1.78
3191	2111	398870	5114060		D	26	100	6.59	235	132	30.08	65	-2.77
3192	2111	399840	5114490		D	44	100	6.24	359	197	22.41	62	-1.78

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
3160	4.39	0.25	214.0	0.47	185.00	50.70	8.48	339	5.85	909	15	13	567	32	3	6	1.0	0.5	0.1	0.5	6	4	1	8	13	106	18
3161	12.01	1.45	3.0	0.55	3.73	6.14	12.91	49	0.07	25	36	21	23	2	277	229	0.5	0.5	0.1	1.0	16	4	5	10	112	60	5
3162	0.99	0.08	93.2	1.0	2.75	19.70	7.92	29	0.83	25	15	13	52	5	8	2	0.5	0.5	1.1	0.5	6	4	1	6	24	24	8
3164	0.64	0.17	62.9	0.78	31.70	1.65	9.36	37	0.18	25	15	13	8	6	12	2	0.5	0.5	0.3	0.5	6	4	4	5	4	9	15
3165	1.26	0.12	96.6	0.52	3.03	13.80	7.29	47	0.75	25	15	13	3	6	15	6	0.5	0.5	1.1	0.5	6	4	6	5	25	29	10
3166	3.53	0.23	132.1	0.71	16.80	26.00	6.73	54	1.21	97	15	22	62	20	17	6	0.5	0.5	1.4	0.5	6	4	7	7	22	84	10
3167	4.02	0.21	90.6	0.99	12.70	22.20	9.08	10	1.43	75	15	13	3	30	14	2	0.5	0.5	0.4	1.0	6	4	1	1	71	104	16
3168	3.52	0.23	58.1	0.97	11.90	7.19	9.19	29	0.16	25	15	13	39	3	13	6	3.0	0.5	1.3	0.5	6	4	7	1	103	88	13
3169	43.28	3.50	12.1	2.79	15.70	6.97	10.16	10	0.12	25	106	20	3	2	3	29	0.5	0.5	0.7	0.5	15	4	30	1	383	1017	16
3170	1.63	0.09	135.1	0.65	54.50	39.50	7.87	105	3.15	77	15	13	44	2	3	6	0.5	0.5	2.2	0.5	6	4	1	1	15	42	11
3171	89.97	7.40	75.3	1.58	264.00	9.06	11.19	10	0.04	86	214	2703	40	0.5	389	111	1.0	0.5	0.1	0.5	38	9	1	1	956	623	9
3172	14.21	1.14	61.5	1.2	10.50	16.80	9.87	29	0.76	25	53	21	28	0.5	11	47	0.5	0.5	1.3	0.5	6	4	10	1	134	294	14
3173	13.41	0.90	143.5	0.74	171.00	74.20	6.13	55	1.52	912	50	23	220	42	470	1428	3.0	0.5	0.1	0.5	14	4	4	4	29	303	12
3175	39.32	4.05	19.0	1.56	24.90	9.66	11.82	10	0.10	25	105	193	39	129	3	32	0.5	0.5	0.5	0.5	18	4	3	1	453	736	9
3176	29.75	4.08	14.6	1.08	2.26	8.45	13.94	10	0.16	25	76	13	46	38	3	13	0.5	0.5	0.6	0.5	6	4	1	1	162	591	8
3177	13.76	1.83	6.6	0.79	8.31	4.65	8.36	10	0.73	25	15	596	31	21	39	14.	1.0	0.5	0.1	0.5	6	4	1	1	324	153	0.5
3178	43.48	4.93	9.6	2.34	8.40	7.03	14.75	10	0.08	25	113	22	301	80	3	13	0.5	0.5	1.0	0.5	22	4	4	1	205	1242	9
3179	0.07	0.01	98.7	0.64	28.00	1.20	15.30	10	0.08	74	15	1177	3	0.5	13	2	0.5	0.5	0.1	0.5	6	4	1	1	1	1	1
3180	13.55	1.65	4.6	0.55	4.10	4.61	9.96	84	0.07	25	39	19	95	8	3	16	0.5	0.5	0.1	0.5	6	4	1	1	42	50	1
3181	41.03	2.92	4.9	0.75	8.20	7.93	12.27	10	0.07	25	98	273	22	80	3	42	0.5	0.5	0.5	0.5	18	4	1	1	491	224	3
3182	26.22	2.83	4.5	0.32	3.57	8.37	9.26	10	0.06	25	52	380	43	0.5	9	20	0.5	0.5	0.1	0.5	6	4	1	1	78	49	0.5
3183	28.29	3.55	17.1	1.52	17.50	9.53	12.60	10	0.18	71	93	20	13	27	3	21	0.5	0.5	1.9	0.5	6	4	1	1	178	942	9
3184	39.06	4.93	17.4	1.68	6.90	3.27	17.06	10	0.09	25	104	13	810	279	3	14	0.5	0.5	1.0	0.5	18	4	1	1	559	1137	9
3185	15.31	1.61	5.0	3.65	5.85	7.91	11.21	22	0.05	25	58	799	15	0.5	75	21	0.5	0.5	0.1	0.5	6	4	3	1	74	83	0.5
3186	35.31	4.95	12.8	1.89	11.40	17.40	14.68	22	0.17	63	110	20	145	166	8	298	0.5	0.5	3.5	0.5	17	4	4	1	103	955	4
3188	58.38	3.69	29.6	1.51	93.30	7.01	9.95	10	0.03	56	141	1679	28	2	36	81	0.5	0.5	0.1	0.5	24	4	1	1	651	106	4
3189	31.39	4.63	28.1	1.46	6.70	13.90	14.17	10	0.13	25	128	21	185	112	3	15	0.5	0.5	0.7	0.5	6	4	1	1	114	1235	16
3190	30.18	4.16	6.5	1.63	12.30	20.80	11.37	27	0.06	61	107	5491	90	13	139	1628	0.5	0.5	0.1	0.5	17	4	3	1	31	49	3
3191	20.14	3.77	10.9	7.79	35.30	9.28	9.62	27	0.04	51	72	4364	91	7	121	727	0.5	0.5	0.1	0.5	6	4	3	1	94	62	1
3192	17.08	4.80	37.3	6.88	84.60	12.70	9.15	48	0.04	106	65	877	129	8	108	21	1.0	0.5	0.1	0.5	23	4	4	4	513	56	0.5

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc- tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard- ness mg/l	Balance Error %
3193	2111	400740	5114740			-	-	6.42	265	186	95.41	115	1.79
3194	2111	401400	5114150		D	-	17	7.23	322	223	99.46	148	0.67
3195	2111	402260	5112760		D	90	15	7.52	293	216	109.84	117	0.67
3197	2111	402000	5113440		D	76	100	6.80	300	154	58.16	86	-0.45
3198	2112	403020	5113040		D	53	7	6.80	223	161	88.39	101	1.70
3199	2111	402640	5114060		D	35	11	7.39	218	153	70.57	100	1.82
3200	2111	402170	5115240	F	D	25	18	6.90	227	159	73.38	94	-1.86
3201	21H15	375120	5087690		D	78	15	6.55	325	237	112.97	126	-2.10
3202	21H15	375390	5087000	F	D	-	20	7.70	382	306	162.16	123	0.66
3203	21H15	375300	5086500		S	-	-	7.59	319	214	106.49	134	-1.00
3204	21H15	378630	5089620		D	10	6	6.71	312	213	111.21	92	-1.48
3205	21H15	378800	5089300		D	-	100	6.94	215	162	97.22	97	-0.60
3206	21H15	379000	5089340		D	12	100	6.91	274	195	87.03	102	-3.30
3207	21H15	378920	5089100		D	-	75	6.99	350	259	137.3	146	-1.82
3208	21H15	379100	5089140		D	124	14	7.81	1484	1066	460.27	21	-2.89
3209	21H15	379610	5088360		S	-	120	7.32	309	232	154.6	154	-0.89
3210	21H15	379610	5087550		D	-	-	7.47	61	43	15.49	19	-0.27
3213	21H15	379670	5087100	F	S	-	-	6.54	242	177	99.24	108	-1.06
3214	21H15	381130	5088780		D	25	29	6.72	603	412	179.46	232	-2.63
3215	21H15	382600	5088670		D	55	30	6.96	667	453	219.19	293	0.37
3216	21H15	382050	5088200		D	27	50	6.75	714	506	201.35	276	-2.52
3217	21H15	382080	5087550		D	12	60	7.13	357	258	85.27	145	-2.60
3218	21H15	382080	5087550		D	12	-	7.07	500	324	101.24	129	-0.40
3219	21H15	382160	5086890		D	-	200	6.73	127	78	41.76	41	-2.45
3220	21H15	382450	5086350		D	-	3	6.92	199	146	72.19	72	-2.95
3221	2112	381470	5096000		D	130	14	9.00	788	589	276.76	3	-2.14
3222	2112	381940	5096150		D	60	13	8.08	485	339	166.22	43	-2.00
3223	2112	382040	5096140		D	22	8	7.34	500	369	199.62	139	-2.03
3224	2112	381910	5096260	S	D	-	5	7.60	845	523	140.43	0	-1.90
3225	2112	382080	5096420		D	18	16	7.60	251	171	83.38	86	-0.05

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Moncton Groundwater - Geochemical Analyses

Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
3193	41.78	2.64	6.3	0.45	9.59	15.00	13.80	10	0.10	25	103	81	15	77	58	42	0.5	0.5	0.3	0.5	6	4	1	1	194	68	3
3194	52.55	4.22	7.0	0.46	36.30	11.00	11.49	10	0.07	121	130	13	3	0.5	11	40	0.5	0.5	0.1	0.5	19	4	1	1	276	65	3
3195	40.48	4.01	13.5	1.47	17.10	13.00	14.83	10	0.15	25	116	20	46	16	20	27	0.5	0.5	2.2	0.5	6	4	1	1	156	954	7
3197	29.83	2.94	10.4	0.61	19.20	12.20	17.05	10	0.07	55	68	3742	19	2	408	216	0.5	0.5	0.1	0.5	6	4	1	1	164	39	4
3198	35.42	3.26	4.8	0.39	6.91	10.20	11.53	10	0.10	25	78	25	33	21	3	15	0.5	0.5	0.7	0.5	6	4	1	1	144	47	2
3199	35.54	2.81	5.2	0.58	14.70	16.30	7.34	10	0.06	25	84	21	3	8	53	29	0.5	0.5	2.5	0.5	6	4	1	1	210	45	5
3200	32.07	3.54	6.4	0.61	15.60	17.10	10.16	10	0.08	61	15	23	104	6	33	10	0.5	0.5	0.1	0.5	6	4	1	1	9	52	4
3201	40.25	6.40	11.5	0.78	14.00	17.60	23.14	10	0.07	25	115	4340	3	3	37	50	0.5	0.5	26.4	0.5	6	4	12	1	100	6128	12
3202	27.67	13.20	35.3	0.81	13.70	17.90	32.69	10	0.42	54	489	30	3	9	3	9	0.5	0.5	0.1	0.5	6	10	1	1	153	2349	20
3203	36.60	10.51	8.9	0.35	9.20	16.80	18.38	10	0.07	25	64	5892	22	11	808	174	0.5	0.5	0.1	0.5	15	16	1	1	25	328	1
3204	34.58	1.53	24.4	2.05	22.70	8.99	6.38	10	0.04	25	58	106	341	10	3	228	0.5	0.5	0.1	0.5	20	18	1	1	316	57	11
3205	35.60	2.00	4.5	0.34	4.20	5.20	12.67	10	0.06	25	15	51	42	5	30	211	0.5	0.5	0.3	0.5	6	12	1	1	297	77	2
3206	35.98	3.07	12.5	1.42	25.40	16.80	11.86	10	0.05	25	40	22	30	392	294	25	0.5	0.5	0.1	0.5	6	10	1	1	68	96	3
3207	52.54	3.76	12.3	2.5	14.50	24.40	10.63	10	0.05	58	91	13	80	275	19	24	0.5	0.5	0.3	0.5	6	4	3	1	63	152	5
3208	5.95	1.72	336.0	2.43	237.00	7.00	9.09	10	1.09	25	673	72	3	28	3	2	0.5	0.5	0.1	0.5	34	4	1	1	4833	326	80
3209	60.05	1.22	2.2	0.41	2.55	4.61	5.99	10	0.03	25	89	24	13	8	18	587	0.5	0.5	0.1	0.5	6	4	1	1	60	37	0.5
3210	6.22	1.01	3.1	1.01	3.42	5.19	5.22	10	0.08	25	15	572	1664	70	133	285	0.5	0.5	0.1	0.5	6	4	1	1	70	20	0.5
3213	38.24	3.09	4.8	0.56	10.10	5.69	13.79	10	0.05	120	15	907	3	0.5	22	475	0.5	0.5	0.1	0.5	6	4	1	1	50	87	1
3214	81.79	6.83	31.0	1.05	73.50	21.60	12.04	10	0.05	80	180	3384	30	56	138	69	0.5	0.5	0.3	0.5	24	15	1	1	476	240	4
3215	70.26	28.67	12.1	15.57	35.70	58.00	10.94	10	0.05	145	165	2028	36	205	30	156	0.5	0.5	0.1	0.5	28	20	1	1	187	133	9
3216	98.93	7.19	12.7	24.24	32.40	96.90	7.38	10	0.09	113	217	7168	32	73	59	61	0.5	0.5	0.1	0.5	33	23	1	1	160	17700	3
3217	53.83	2.65	9.6	8.22	9.28	73.90	11.15	10	0.05	55	91	3161	3	5	45	115	0.5	0.5	0.4	0.5	23	18	1	1	674	109	0.5
3218	44.97	4.09	43.0	19.74	75.60	15.90	11.75	10	0.10	165	89	7169	13	6	3	47	0.5	0.5	0.6	0.5	24	22	1	1	332	231	4
3219	15.30	0.82	2.0	0.64	2.51	3.62	8.70	10	0.04	25	15	13	1598	357	127	40	3.0	0.5	0.1	0.5	20	9	1	1	111	35	0.5
3220	25.46	2.23	9.8	0.48	9.81	13.90	11.25	10	0.09	25	15	13	157	3	87	16	0.5	0.5	1.6	0.5	6	4	1	1	114	244	5
3221	1.20	0.11	182.5	0.5	22.40	93.00	6.85	10	5.09	145	1553	13	43	3	9	2	0.5	0.5	13.8	0.5	6	4	1	1	22	52	55
3222	14.53	1.86	87.1	1.4	42.50	14.50	9.10	10	1.53	372	307	13	8	12	3	22	0.5	0.5	1.3	0.5	6	10	1	1	186	537	30
3223	46.97	5.32	52.6	2.06	39.30	10.90	10.41	10	0.41	226	220	73	35	9	151	23	19.0	0.5	1.2	0.5	17	16	1	1	87	833	4
3224	0.17	0.01	176.0	0.05	123.00	70.30	10.60	10	0.06	1422	15	2825	3	0.5	44	2	0.5	0.5	0.6	0.5	6	4	1	1	1	1	0.5
3225	31.15	2.14	13.6	2.75	18.70	9.19	8.92	161	0.05	136	39	147	674	66	140	215	1.0	0.5	0.1	0.5	6	4	1	1	209	112	0.5

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Moncton Groundwater - Well Information

Sample Number	NTS Mapsheet	Easting	Northing	Remarks	Well Type	Depth m	Well Age Yrs	pH	Conduc tivity µs/cm	TDS mg/l	Alka- linity mg/l	Hard ness mg/l	Balance Error %
3226	2112	382200	5096500		D	20	8	7.11	497	352	181.08	207	-3.42
3227	2112	382300	5096520		S	-	-	6.85	414	253	60.54	107	2.13
3228	2112	382440	5096570	S	S	-	-	6.97	896	550	86.11	0	-1.18
3229	2112	369960	5101400		D	80	6	7.15	803	428	55.14	175	-0.27
3231	2111	396610	5096680		D	127	2	8.86	362	282	139.19	5	-1.59
3232	2111	397390	5097450		D	90	7	8.64	305	195	113.24	19	0.35
3233	2111	399240	5094890		D	72	100	8.34	4870	2783	104.56	159	-1.37
3234	2111	399240	5094000		D	43	16	7.73	564	344	108.08	119	-2.64
3236	2111	400650	5097660		D	114	15	8.59	649	465	239.49	6	-3.14
3237	2112	400450	5098680		D	70	36	5.63	246	265	98.32	150	-1.34
3238	2111	400790	5099380	F	D	75	9	5.76	506	291	172.7	47	1.22
3239	2111	412120	5097920		D	160	5	8.00	460	235	123.24	123	1.04

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Moncton Groundwater - Geochemical Analyses

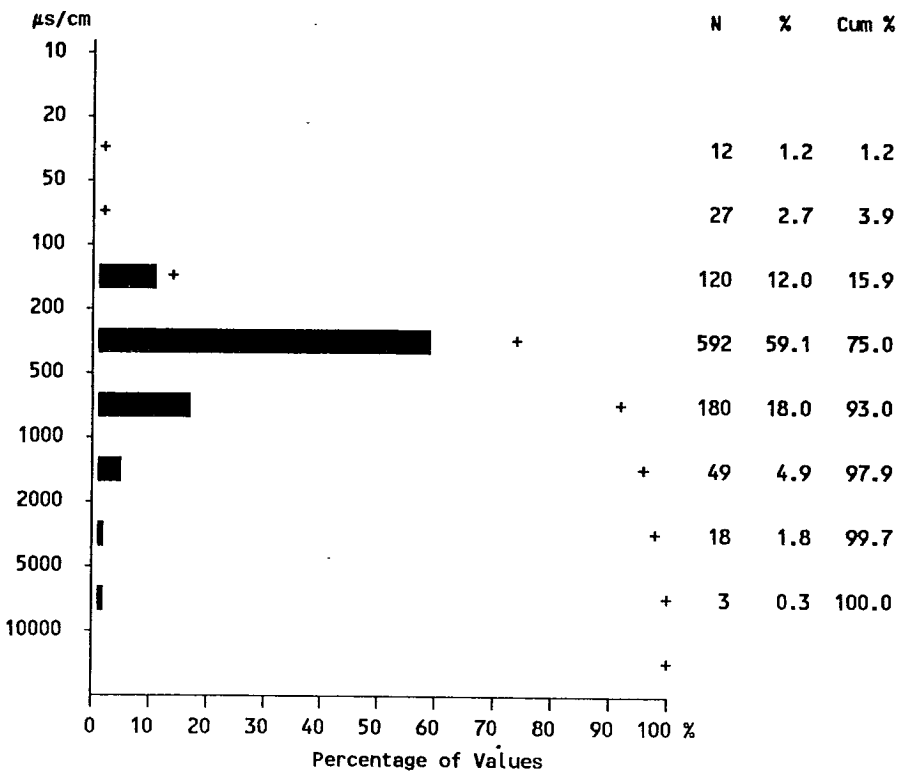
Sample Number	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	Cl mg/l	SO4 mg/l	SiO2 mg/l	Al µg/l	F mg/l	Br µg/l	B µg/l	Tot-N µg/l	Fe µg/l	Mn µg/l	Cu µg/l	Zn µg/l	Pb µg/l	Cd µg/l	As µg/l	Sb µg/l	Ni µg/l	Co µg/l	V µg/l	Zr µg/l	Ba µg/l	Sr µg/l	Li µg/l
3226	72.31	6.69	17.9	1.05	56.50	5.57	10.21	10	0.06	53	117	13	3	4	100	529	0.5	0.5	0.1	0.5	14	4	1	1	614	405	2
3227	36.06	4.19	42.9	1.9	81.20	8.50	11.77	10	0.07	59	71	3371	10	181	41	15	0.5	0.5	0.8	0.5	27	13	9	1	1971	269	5
3228	0.09	0.01	199.5	0.96	236.00	19.00	5.80	29	0.06	93	15	1933	48	2	163	16	1.0	0.5	0.1	0.5	6	4	1	1	1	1	0.5
3229	61.52	5.27	78.3	3.09	205.00	9.17	6.95	10	0.18	1098	133	13	269	171	3	36	0.5	0.5	0.1	0.5	21	4	1	1	376	2977	46
3231	2.08	0.16	84.2	1.72	22.40	24.70	7.33	10	0.35	104	58	13	3	10	3	2	0.5	0.5	0.4	0.5	6	4	1	1	57	62	24
3232	7.18	0.49	47.9	2.62	0.58	11.90	10.66	207	0.12	92	15	13	235	9	34	24	0.5	0.5	3.7	0.5	6	4	9	1	98	134	17
3233	35.27	17.48	990.0	8.87	1596.00	22.10	4.18	10	1.07	7555	217	1363	106	66	17	11	4.0	1	1.4	3.0	6	4	1	1	104	1527	19
3234	39.40	5.17	33.5	49.99	64.70	21.30	7.68	10	0.10	25	66	13684	3	116	203	74	0.5	1	0.3	0.5	6	4	1	1	317	94	1
3236	2.03	0.25	138.5	1.85	25.70	48.40	7.04	10	1.42	106	105	13	12	4	3	2	0.5	0.5	10.1	0.5	6	4	1	1	38	70	17
3237	54.78	3.41	11.0	1.93	5.90	72.50	15.29	10	0.12	25	80	13	828	288	3	69	0.5	0.5	1.1	0.5	21	19	1	1	253	302	5
3238	15.39	2.25	67.1	3.1	6.33	10.60	12.24	10	0.26	25	52	13	115	84	3	2	0.5	0.5	0.7	0.5	6	11	1	1	137	416	11
3239	35.14	8.70	19.9	1.9	23.50	8.71	13.04	10	0.14	61	63	89	3	193	3	14	0.5	0.5	0.2	0.5	16	16	1	1	259	200	5

GSC Open File 2912
Statistics for Groundwater

Conductivity

Number of values - 1002

Determination limit - 0 µs/cm



	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	1
Mean	477.373
Standard deviation	577.335
Skewness	5.875
Kurtosis	46.359
Geometric Mean	351.677
Percentiles	
Minimum value	27.000
25th	237.500
50th	340.000
75th	498.500
80th	554.600
90th	839.000
95th	1248.000
98th	2119.200
99th	3919.860
Maximum value	7220.000

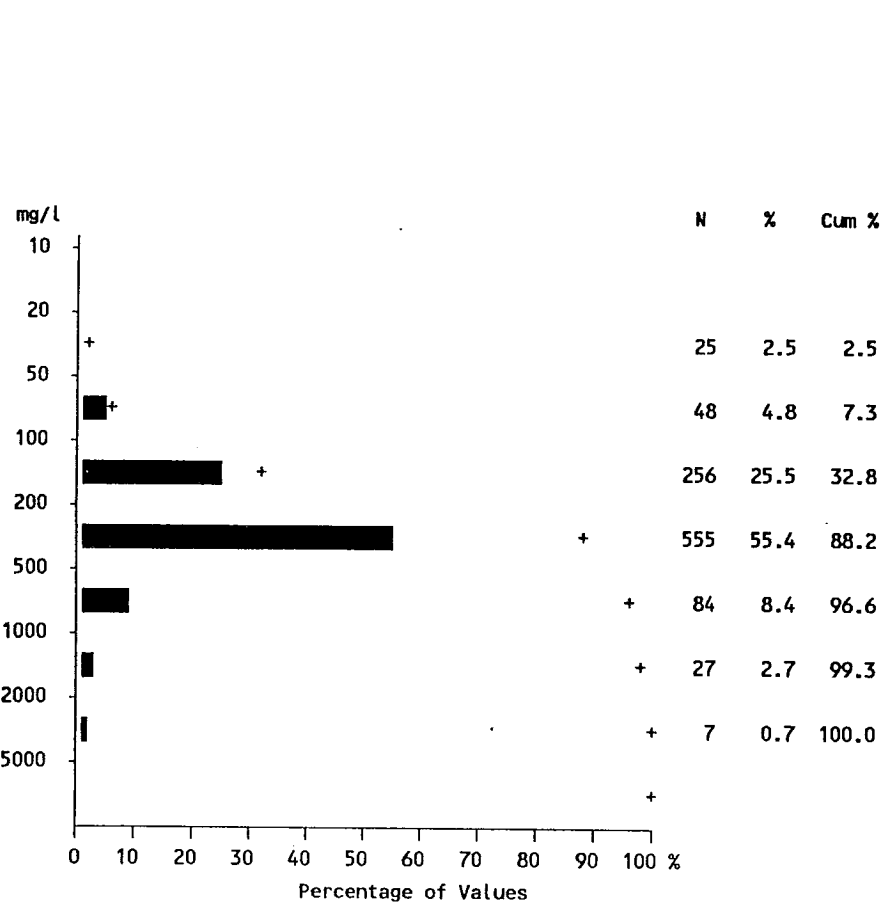
Cond

GSC Open File 2912
Statistics for Groundwater

Total Dissolved Solids

Number of values - 1002

Determination limit - 0 mg/l



	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	322.167
Standard deviation	332.147
Skewness	6.332
Kurtosis	62.446
Geometric Mean	249.733
Percentiles	
Minimum value	21.000
25th	174.000
50th	250.500
75th	361.250
80th	394.400
90th	537.800
95th	758.000
98th	1249.360
99th	1569.730
Maximum value	4869.000

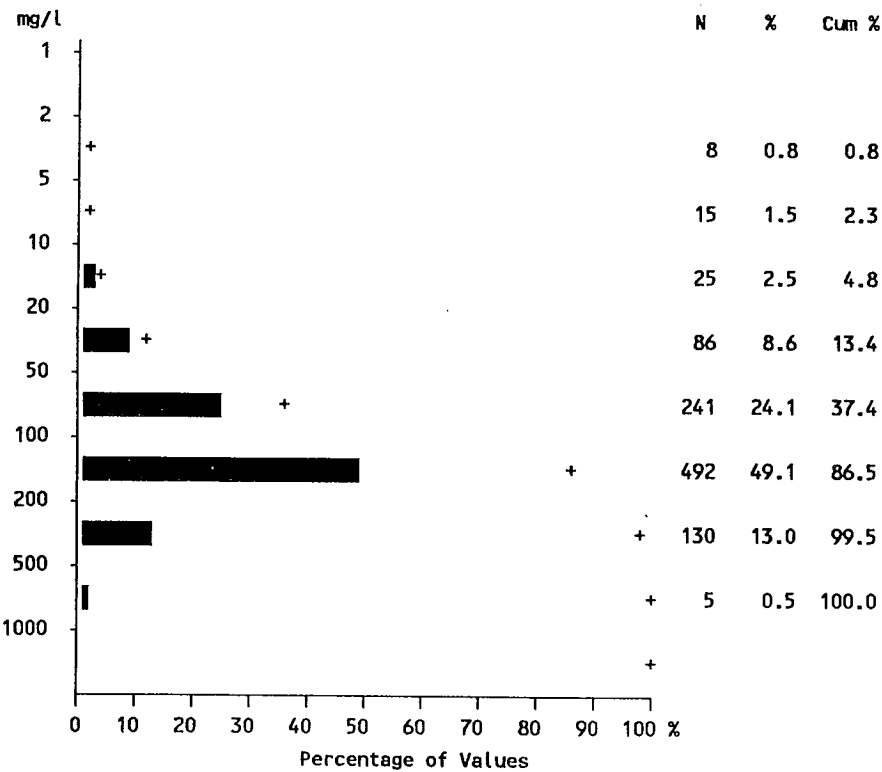
TDS

GSC Open File 2912
Statistics for Groundwater

Alkalinity

Number of values - 1002

Determination limit - 0 mg/l



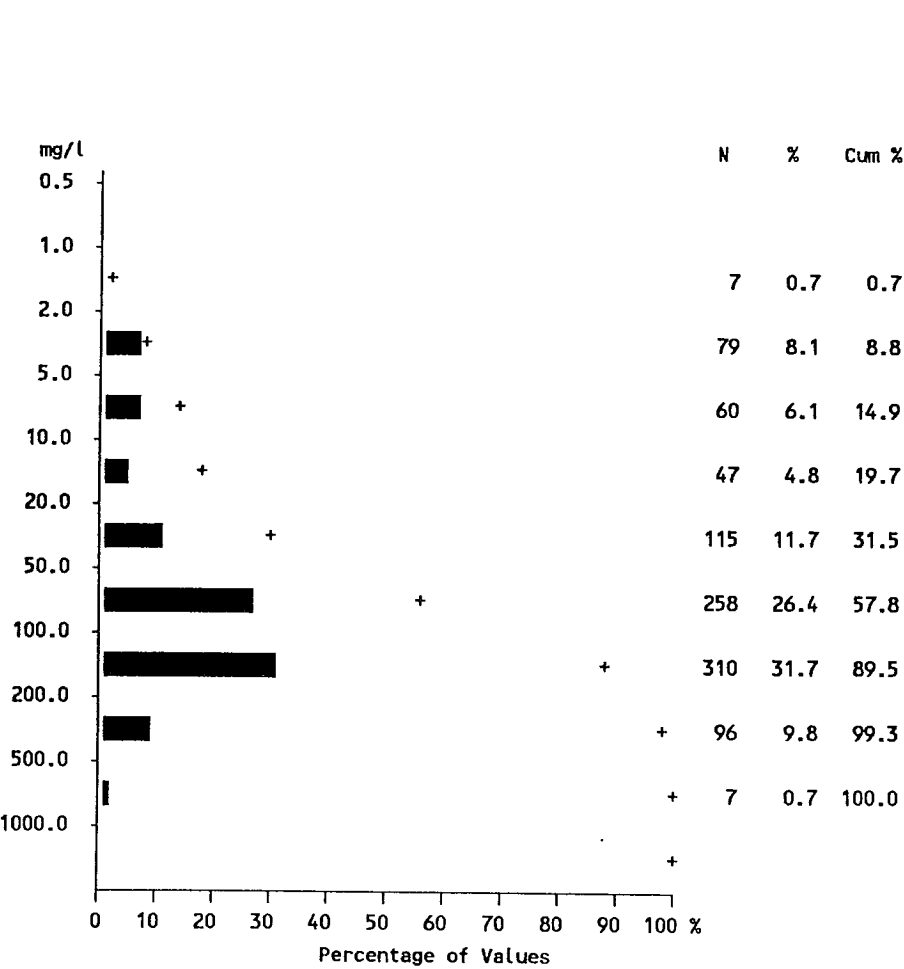
	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	127.259
Standard deviation	75.411
Skewness	1.645
Kurtosis	7.106
Geometric Mean	102.023
Percentiles	
Minimum value	3.500
25th	81.000
50th	117.975
75th	165.450
80th	178.540
90th	216.360
95th	245.028
98th	293.350
99th	413.385
Maximum value	641.200

GSC Open File 2912
Statistics for Groundwater

Hardness

Number of values - 1002

Determination limit - 0 mg/l



	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	100.840
Standard deviation	95.402
Skewness	2.146
Kurtosis	7.650
Geometric Mean	55.982
Percentiles	
Minimum value	1.000
25th	33.000
50th	87.000
75th	135.000
80th	149.000
90th	204.000
95th	274.000
98th	394.400
99th	475.600
Maximum value	706.000

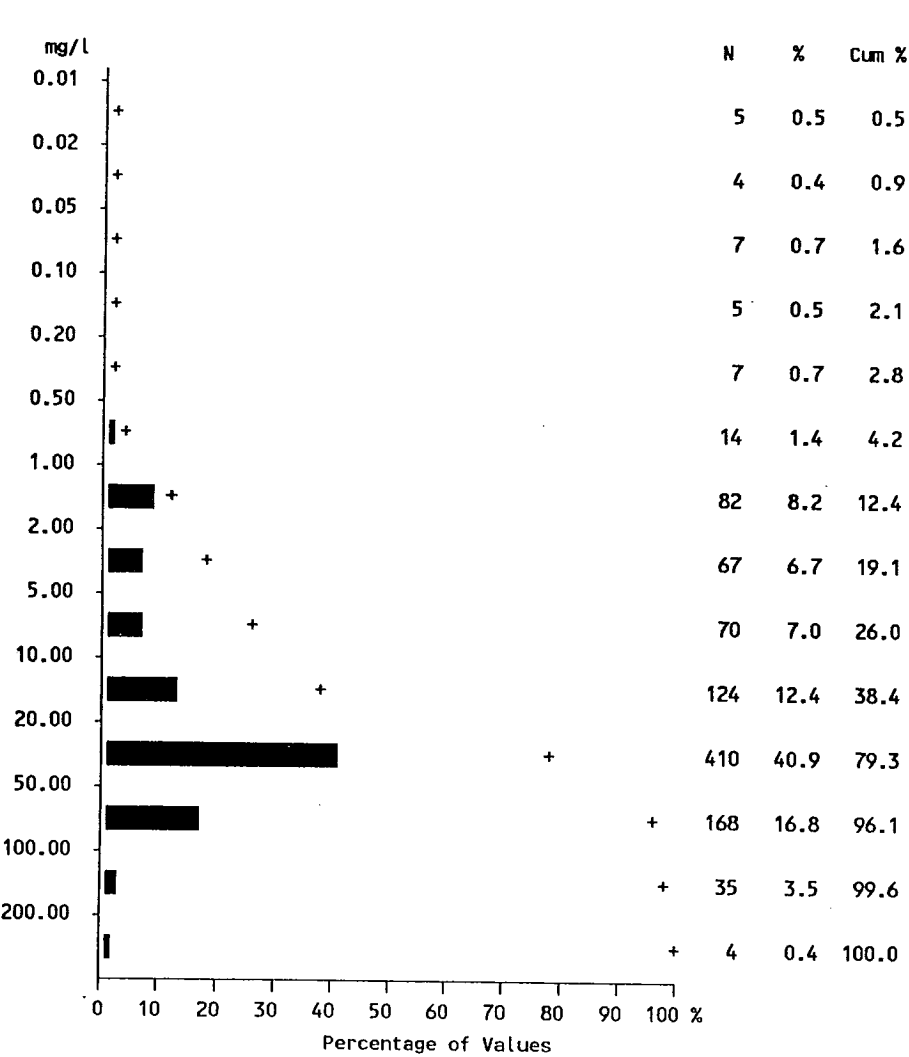
Total Hard

GSC Open File 2912
Statistics for Groundwater

Calcium (ICP-ES)

Number of values - 1002

Determination limit - 0.01 mg/l



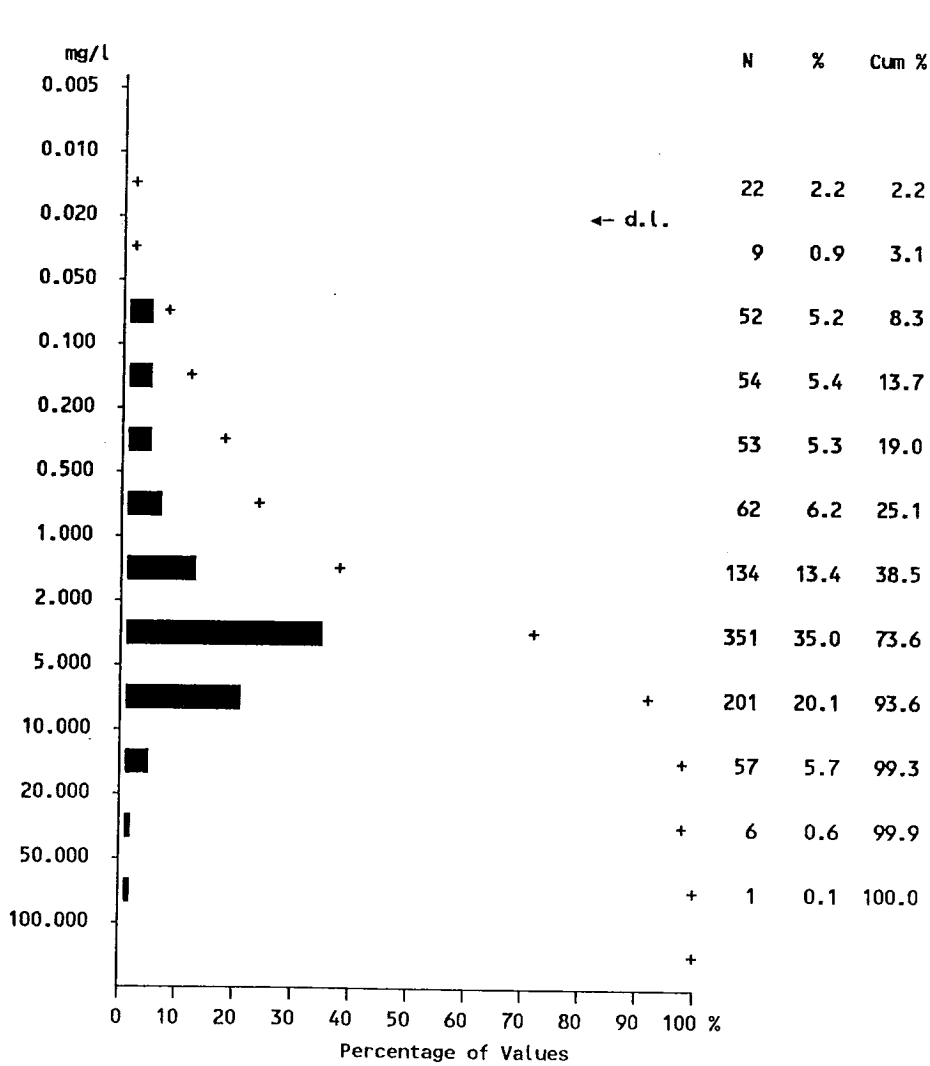
	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	33.417
Standard deviation	32.934
Skewness	2.413
Kurtosis	10.116
Geometric Mean	16.820
Percentiles	
Minimum value	0.010
25th	8.988
50th	27.610
75th	44.800
80th	50.544
90th	71.075
95th	93.422
98th	127.850
99th	162.285
Maximum value	266.570

GSC Open File 2912
Statistics for Groundwater

Magnesium (ICP-ES)

Number of values - 1002

Determination limit - 0.03 mg/l



	All units
Number of values	1002
Number of values below d.l.	22
Number of missing values	0
Mean	3.802
Standard deviation	4.193
Skewness	4.030
Kurtosis	36.974
Geometric Mean	1.765
Percentiles	
Minimum value	0.010
25th	0.988
50th	2.915
75th	5.190
80th	5.884
90th	8.447
95th	10.834
98th	14.129
99th	19.279
Maximum value	60.110

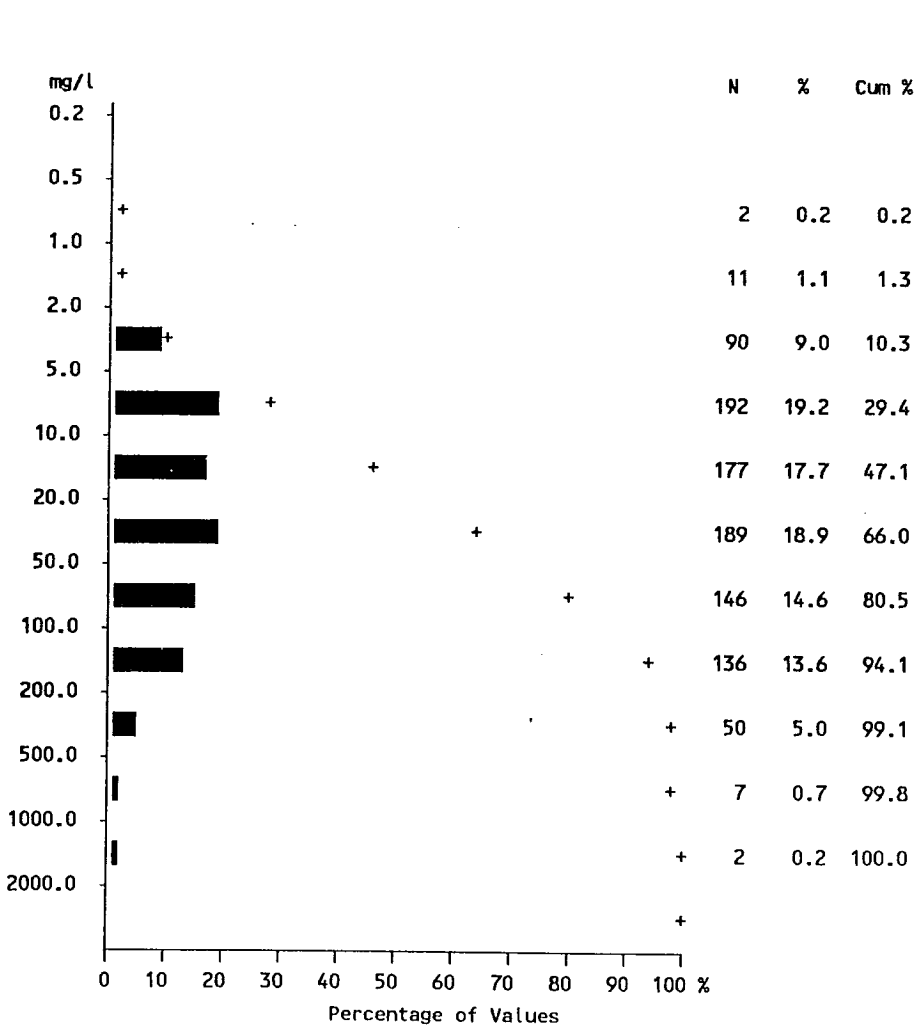
Mg

GSC Open File 2912
Statistics for Groundwater

Sodium (AA)

Number of values - 1002

Determination limit - 0.1 mg/l



	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	62.460
Standard deviation	116.799
Skewness	6.807
Kurtosis	70.125
Geometric Mean	25.420
Percentiles	
Minimum value	0.500
25th	8.775
50th	23.000
75th	79.875
80th	97.520
90th	144.760
95th	218.065
98th	348.634
99th	473.805
Maximum value	1666.000

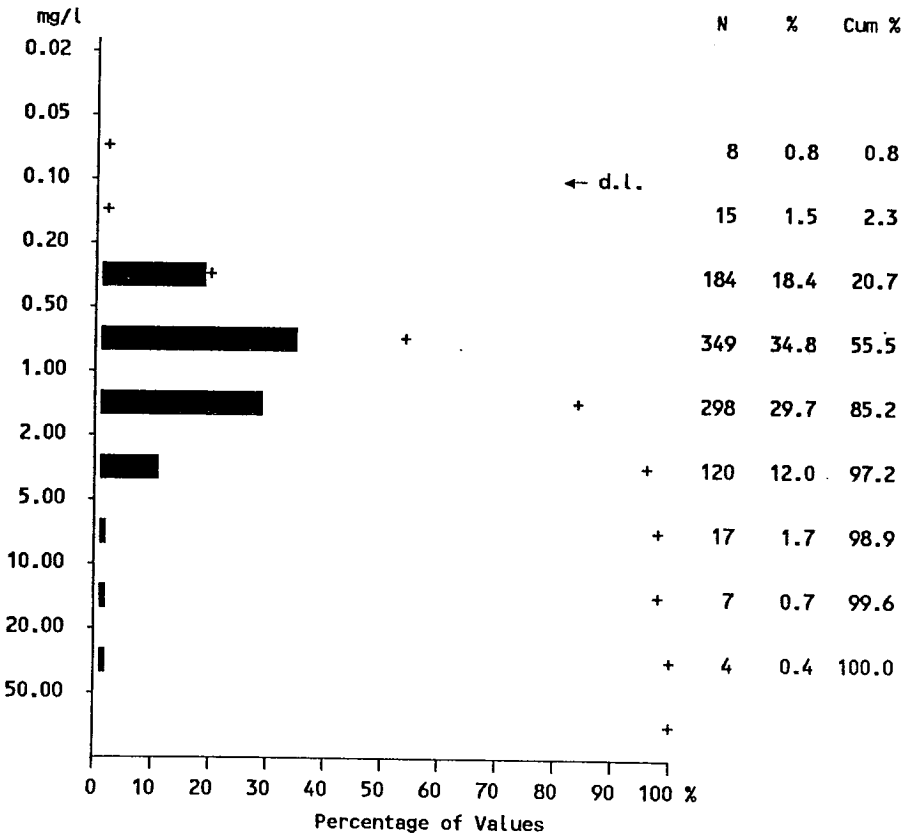
Na

GSC Open File 2912
Statistics for Groundwater

Potassium (AA)

Number of values - 1002

Determination limit - 0.1 mg/l



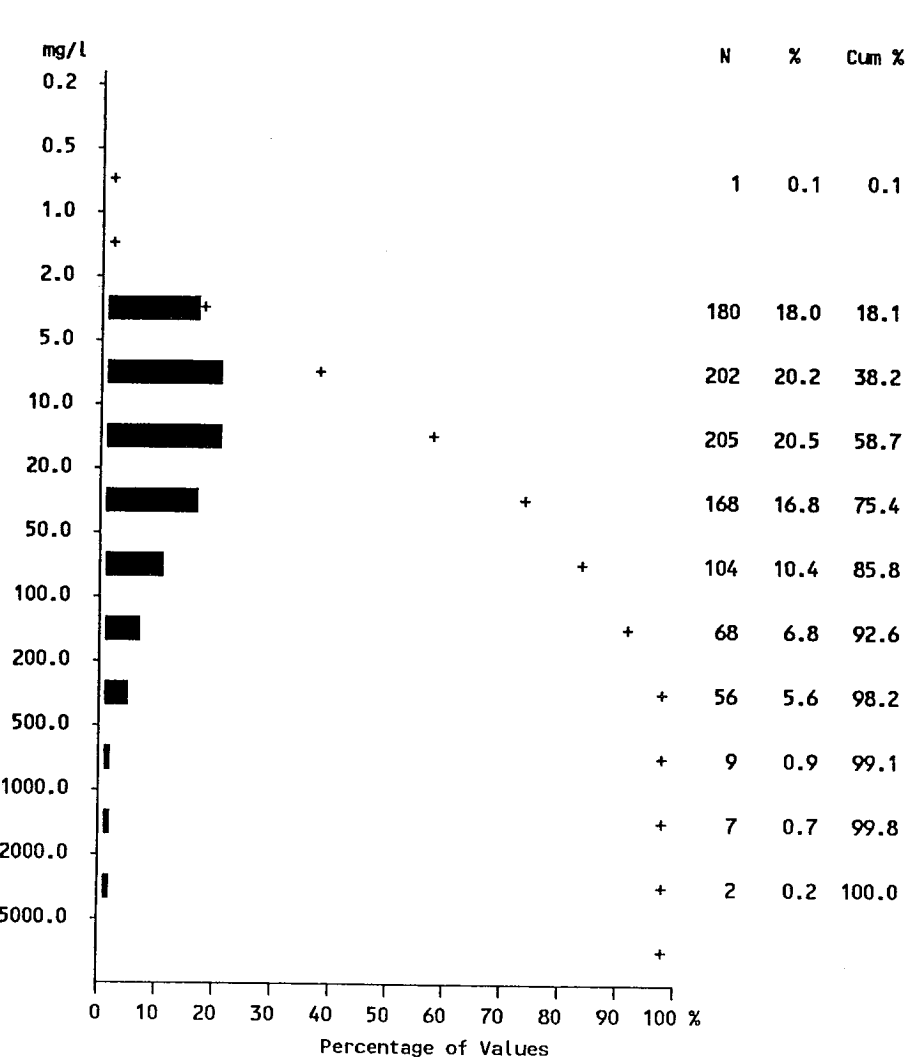
	All units
Number of values	1002
Number of values below d.l.	8
Number of missing values	0
Mean	1.401
Standard deviation	2.647
Skewness	9.916
Kurtosis	138.754
Geometric Mean	0.876
Percentiles	
Minimum value	0.050
25th	0.500
50th	0.860
75th	1.463
80th	1.700
90th	2.491
95th	3.300
98th	7.463
99th	13.794
Maximum value	49.990

GSC Open File 2912
Statistics for Groundwater

Chlorine (ION Chromatography)

Number of values - 1002

Determination limit - 0.05 mg/l



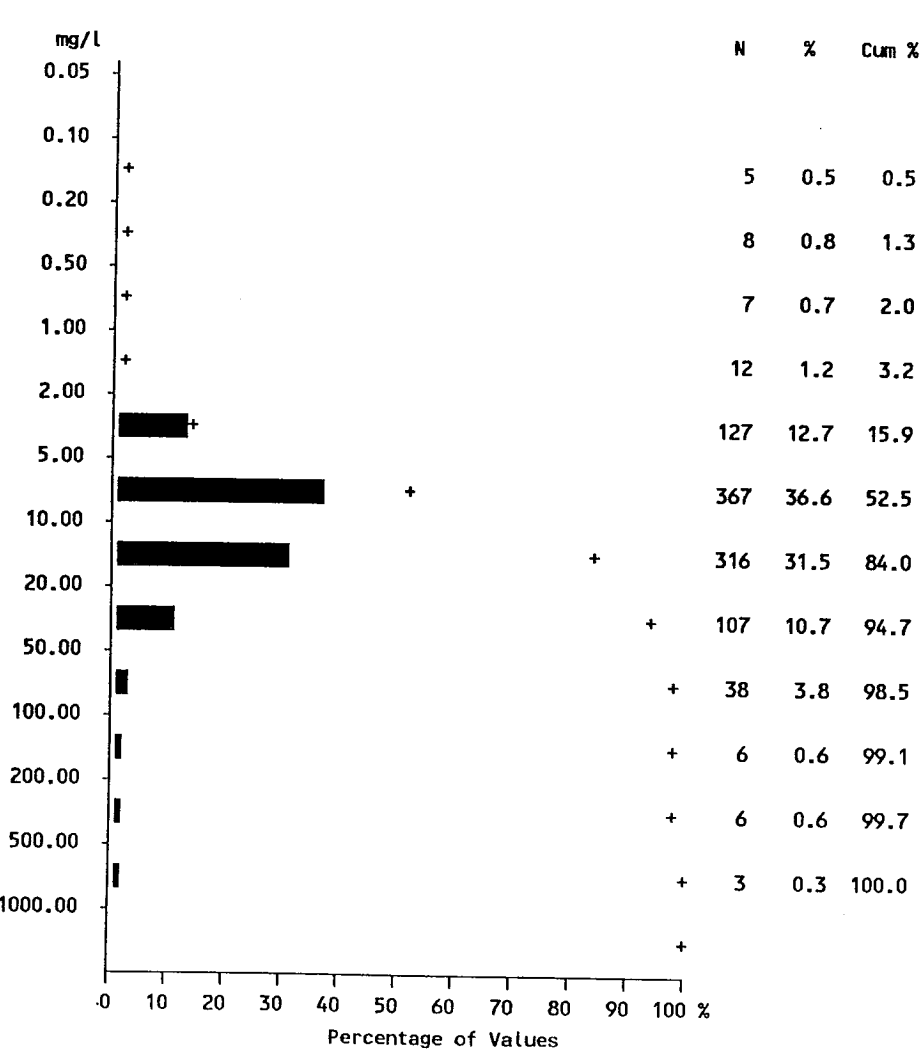
	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	64.563
Standard deviation	179.990
Skewness	8.148
Kurtosis	89.524
Geometric Mean	19.305
Percentiles	
Minimum value	0.580
25th	6.295
50th	14.765
75th	48.293
80th	65.444
90th	146.400
95th	265.700
98th	477.760
99th	782.865
Maximum value	2664.000

GSC Open File 2912
Statistics for Groundwater

Sulphate (ION Chromatography)

Number of values - 1002

Determination limit - 0.05 mg/l



	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	18.092
Standard deviation	47.231
Skewness	11.215
Kurtosis	152.440
Geometric Mean	10.034
Percentiles	
Minimum value	0.100
25th	6.265
50th	9.555
75th	16.163
80th	17.688
90th	27.316
95th	51.170
98th	91.645
99th	178.430
Maximum value	812.000

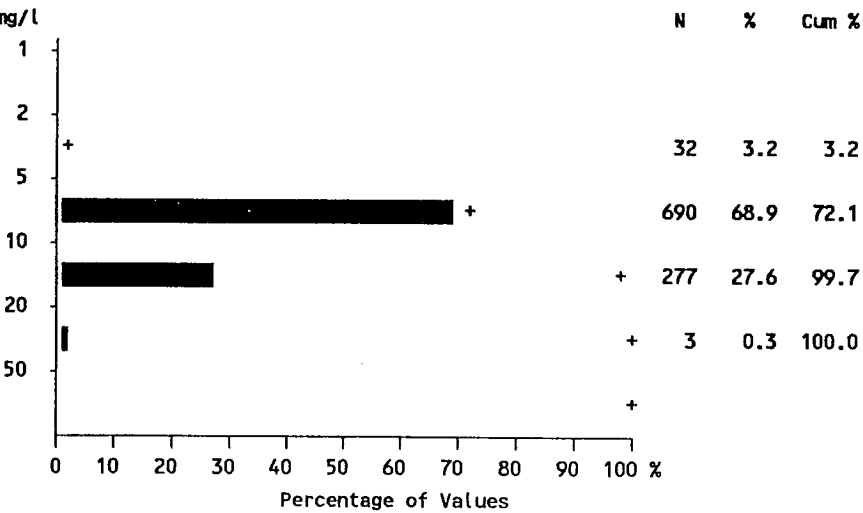
SO4

GSC Open File 2912
Statistics for Groundwater

Silica (ICP-ES)

Number of values - 1002

Determination limit - 0.01 mg/l



	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	8.675
Standard deviation	2.814
Skewness	1.461
Kurtosis	5.945
Geometric Mean	8.274
Percentiles	
Minimum value	3.690
25th	6.557
50th	8.180
75th	10.220
80th	10.854
90th	12.371
95th	13.707
98th	15.299
99th	17.048
Maximum value	32.690

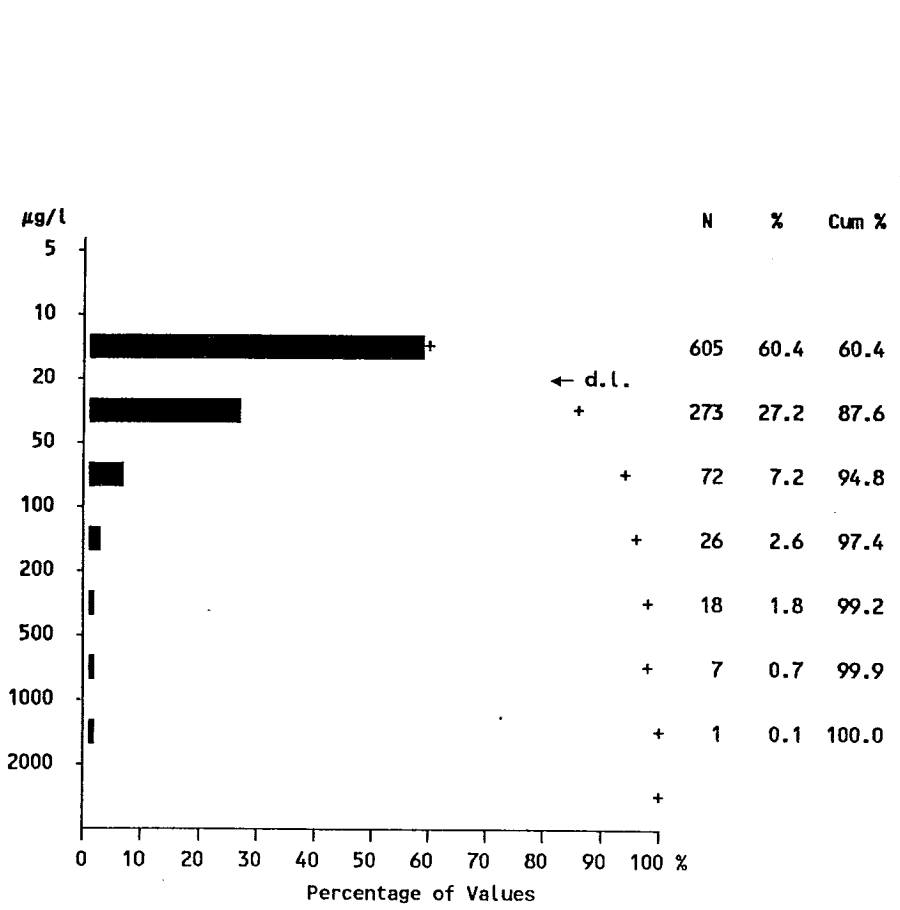
SiO2

GSC Open File 2912
Statistics for Groundwater

Aluminium (ICP-ES)

Number of values - 1002

Determination limit - 20 µg/l



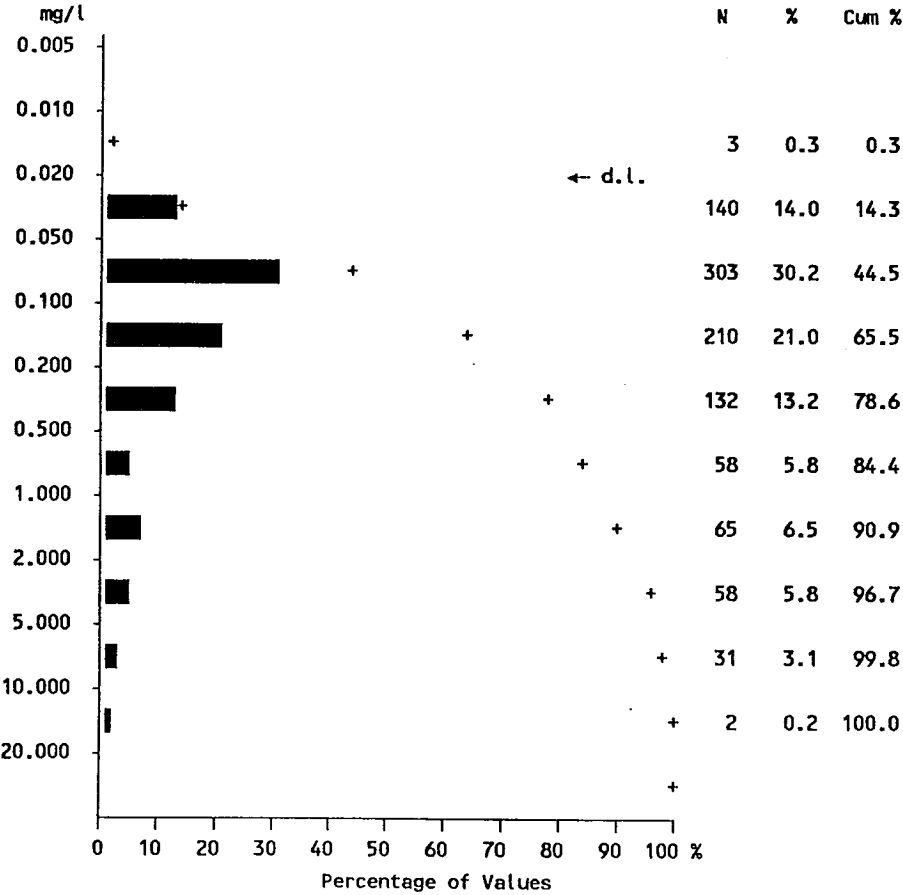
	All units
Number of values	1002
Number of values below d.l.	605
Number of missing values	0
Mean	34.114
Standard deviation	81.250
Skewness	8.404
Kurtosis	97.478
Geometric Mean	18.139
Percentiles	
Minimum value	10.000
25th	10.000
50th	10.000
75th	30.000
80th	34.400
90th	56.000
95th	100.850
98th	277.880
99th	448.530
Maximum value	1367.000

GSC Open File 2912
Statistics for Groundwater

Fluorine (ION Electrode)

Number of values - 1002

Determination limit - 0.02 mg/l



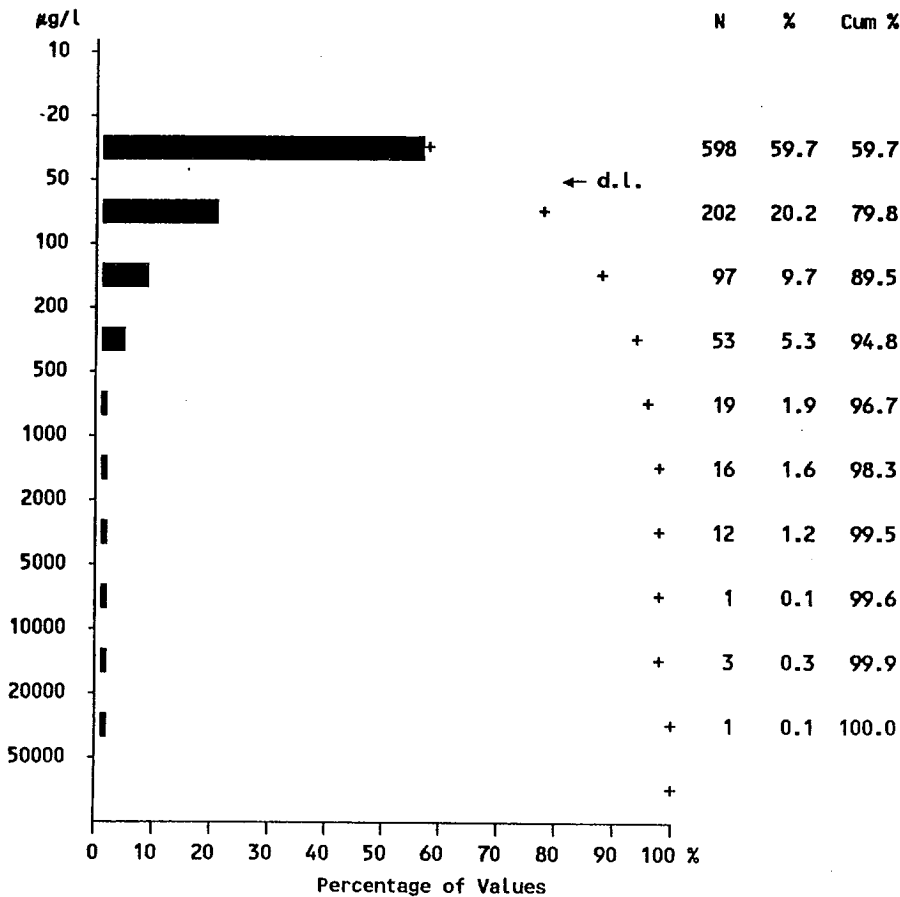
	All units
Number of values	1002
Number of values below d.l.	3
Number of missing values	0
Mean	0.627
Standard deviation	1.394
Skewness	3.751
Kurtosis	16.223
Geometric Mean	0.169
Percentiles	
Minimum value	0.010
25th	0.060
50th	0.110
75th	0.360
80th	0.600
90th	1.841
95th	3.486
98th	6.314
99th	7.059
Maximum value	11.700

GSC Open File 2912
Statistics for Groundwater

Bromine (ION Chromatography)

Number of values - 1002

Determination limit - 50 µg/l



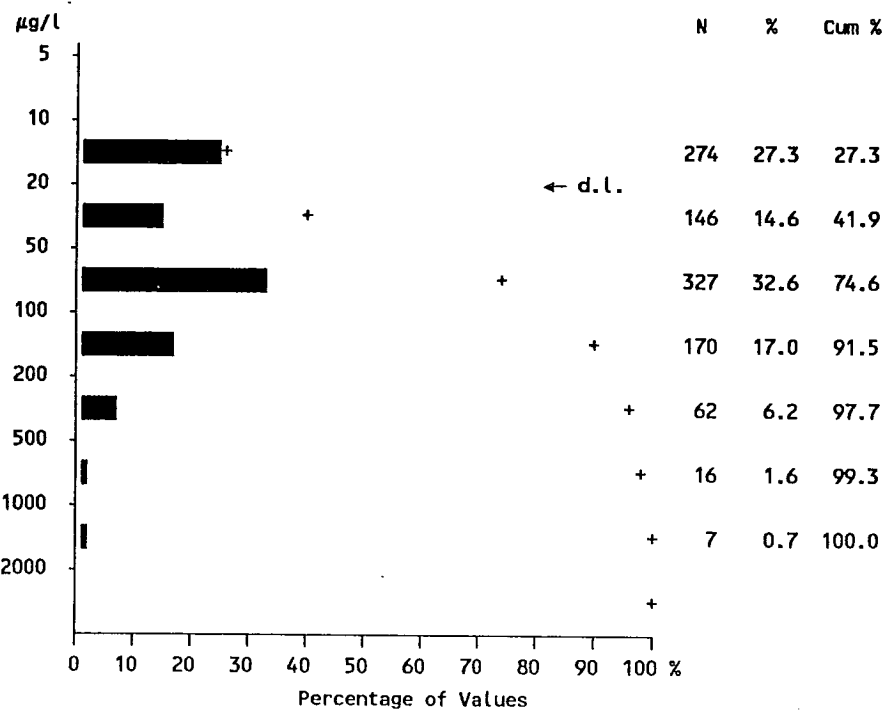
	All units
Number of values	1002
Number of values below d.l.	598
Number of missing values	0
Mean	210.877
Standard deviation	1227.656
Skewness	15.047
Kurtosis	274.207
Geometric Mean	50.823
Percentiles	
Minimum value	25.000
25th	25.000
50th	25.000
75th	80.000
80th	100.400
90th	218.200
95th	548.800
98th	1823.220
99th	3713.380
Maximum value	26950.000

GSC Open File 2912
Statistics for Groundwater

Boron (ICP-ES)

Number of values - 1002

Determination limit - 35 µg/l



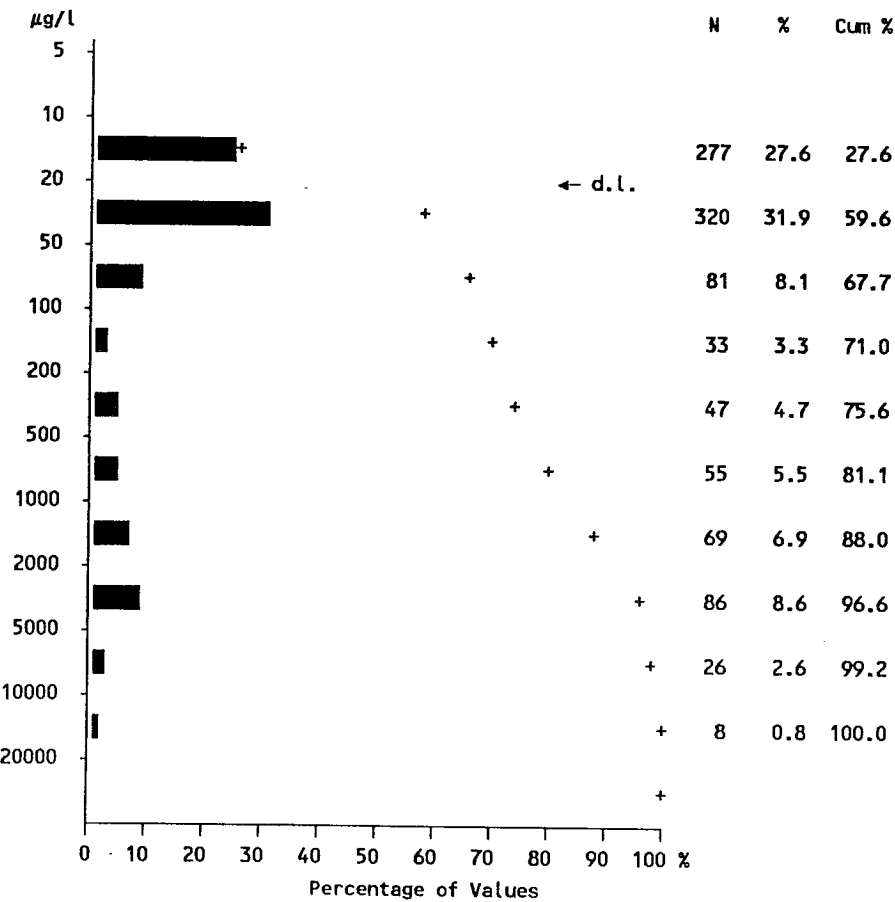
	All units
Number of values	1002
Number of values below d.l.	274
Number of missing values	0
Mean	94.993
Standard deviation	149.787
Skewness	5.404
Kurtosis	38.064
Geometric Mean	54.752
Percentiles	
Minimum value	15.000
25th	15.000
50th	58.000
75th	101.000
80th	118.000
90th	175.700
95th	292.850
98th	557.040
99th	886.010
Maximum value	1641.000

GSC Open File 2912
Statistics for Groundwater

Total Nitrogen (ION Chromatography)

Number of values - 1002

Determination limit - 25 µg/l



	All units
Number of values	1002
Number of values below d.l.	397
Number of missing values	0
Mean	747.095
Standard deviation	1839.327
Skewness	4.177
Kurtosis	22.330
Geometric Mean	82.675
Percentiles	
Minimum value	13.000
25th	13.000
50th	33.000
75th	434.500
80th	887.000
90th	2415.000
95th	4148.350
98th	7421.720
99th	9291.580
Maximum value	17204.000

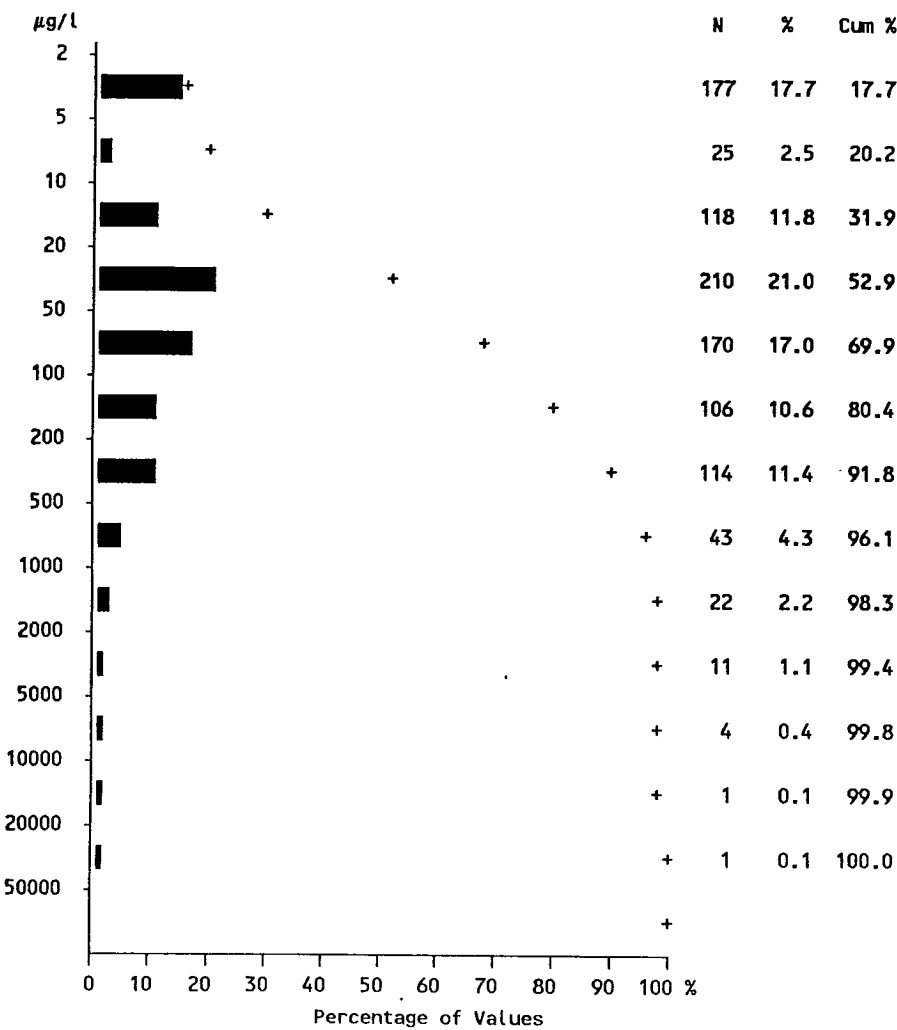
Total N

GSC Open File 2912
Statistics for Groundwater

Iron (ICP-ES)

Number of values - 1002

Determination limit - 7 µg/l



	All units
Number of values	1002
Number of values below d.l.	177
Number of missing values	0
Mean	236.210
Standard deviation	1163.254
Skewness	17.748
Kurtosis	397.110
Geometric Mean	43.067
Percentiles	
Minimum value	3.000
25th	13.000
50th	45.000
75th	132.000
80th	190.000
90th	413.400
95th	812.550
98th	1797.940
99th	3389.330
Maximum value	29040.000

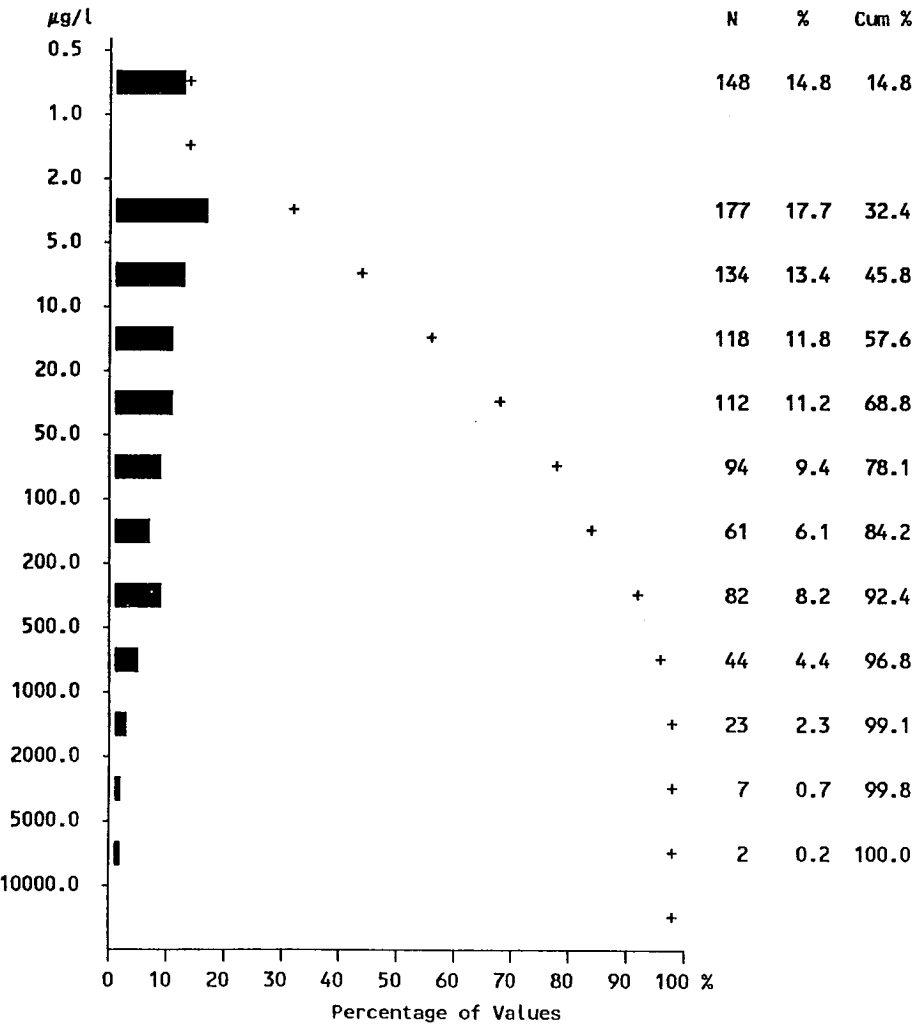
Fe

GSC Open File 2912
Statistics for Groundwater

Manganese (ICP-ES)

Number of values - 1002

Determination limit - 1 µg/l



	All units
Number of values	1002
Number of values below d.l.	148
Number of missing values	0
Mean	139.436
Standard deviation	444.112
Skewness	8.082
Kurtosis	87.286
Geometric Mean	14.897
Percentiles	
Minimum value	0.500
25th	3.000
50th	12.000
75th	75.250
80th	124.800
90th	335.700
95th	670.000
98th	1188.800
99th	1966.790
Maximum value	6211.000

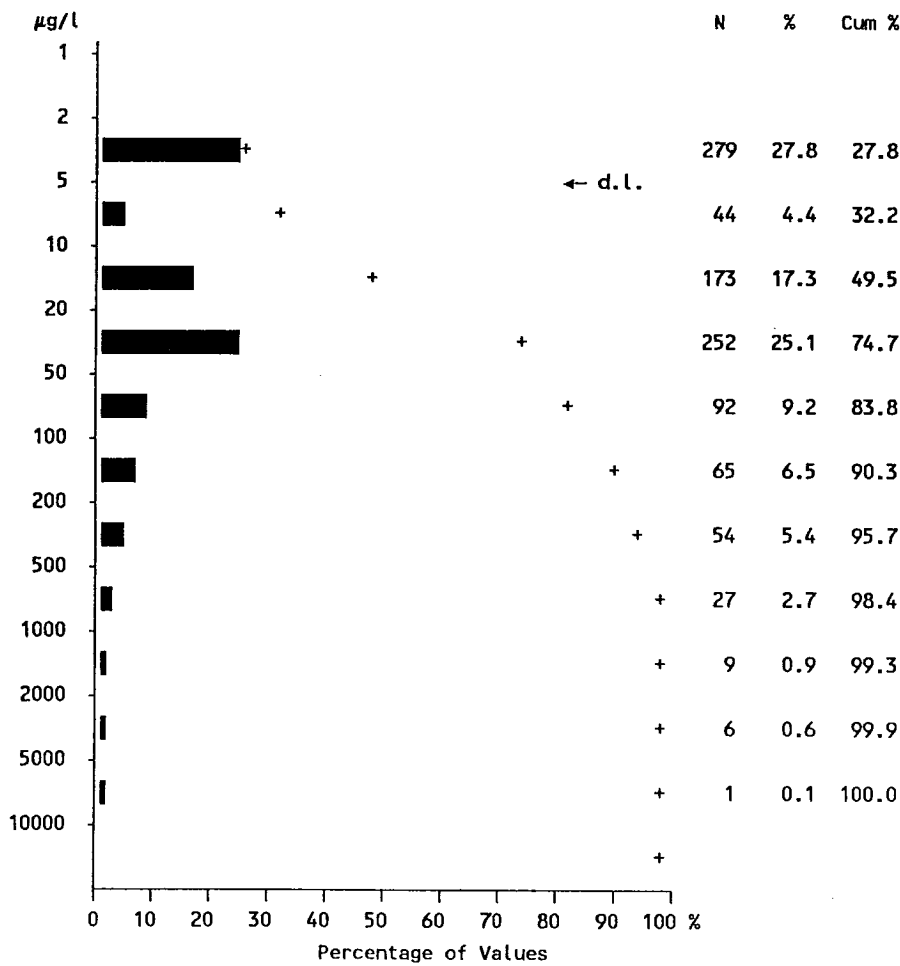
Mn

GSC Open File 2912
Statistics for Groundwater

Copper (ICP-ES)

Number of values - 1002

Determination limit - 7 µg/l



	All units
Number of values	1002
Number of values below d.l.	279
Number of missing values	0
Mean	101.645
Standard deviation	355.348
Skewness	9.504
Kurtosis	124.282
Geometric Mean	20.536
Percentiles	
Minimum value	3.000
25th	3.000
50th	20.000
75th	52.000
80th	75.000
90th	193.000
95th	469.250
98th	934.700
99th	1611.980
Maximum value	6305.000

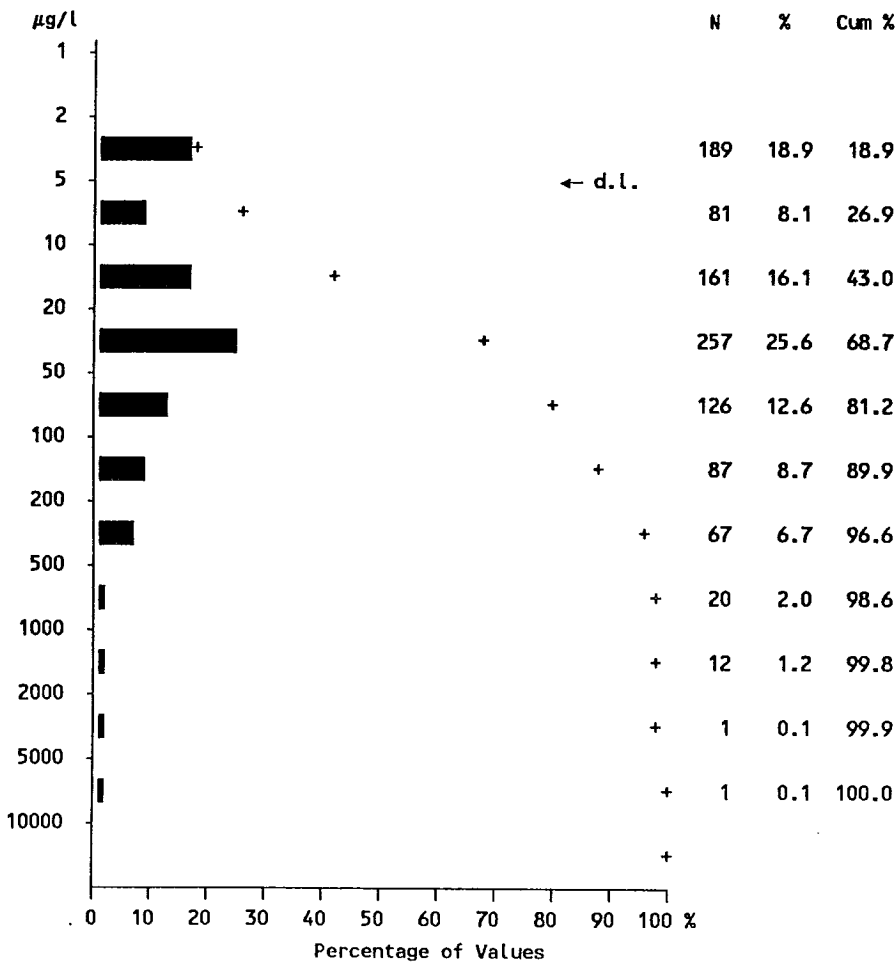
Cu

GSC Open File 2912
Statistics for Groundwater

Zinc (ICP- ES)

Number of values - 1002

Determination limit - 5 µg/l



	All units
Number of values	1002
Number of values below d.l.	189
Number of missing values	0
Mean	94.999
Standard deviation	328.197
Skewness	15.340
Kurtosis	331.401
Geometric Mean	23.833
Percentiles	
Minimum value	2.000
25th	8.000
50th	25.000
75th	66.000
80th	89.000
90th	204.100
95th	408.950
98th	699.520
99th	1304.470
Maximum value	7927.000

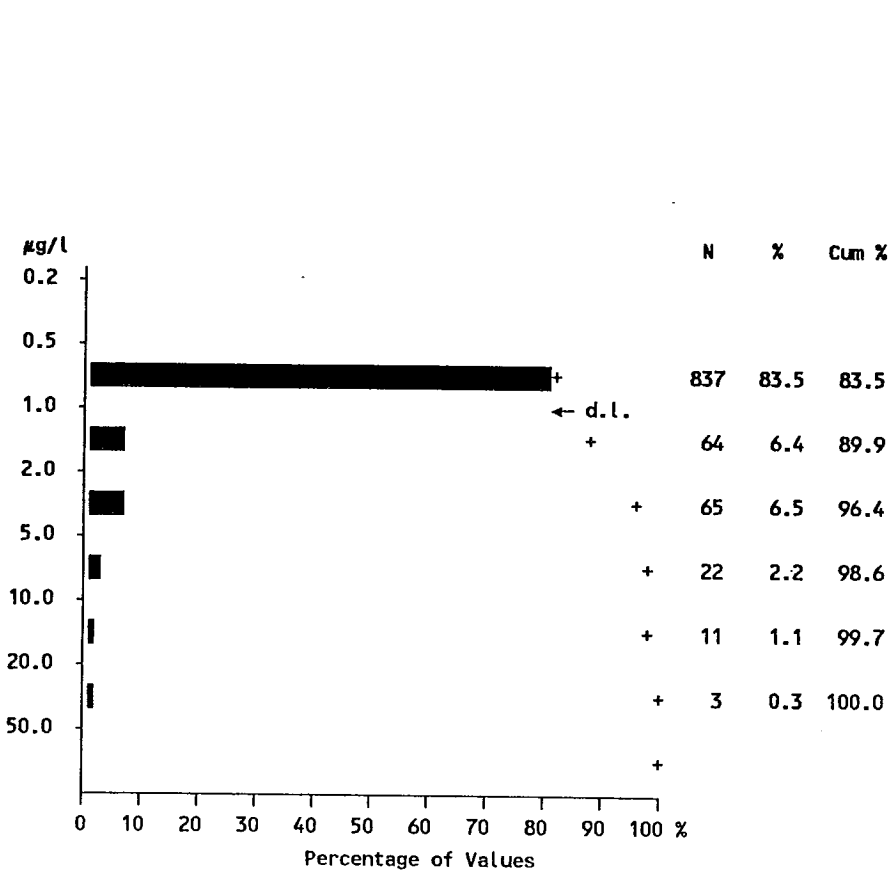
Zn

GSC Open File 2912
Statistics for Groundwater

Lead (Graphite AA)

Number of values - 1002

Determination limit - 1 µg/l



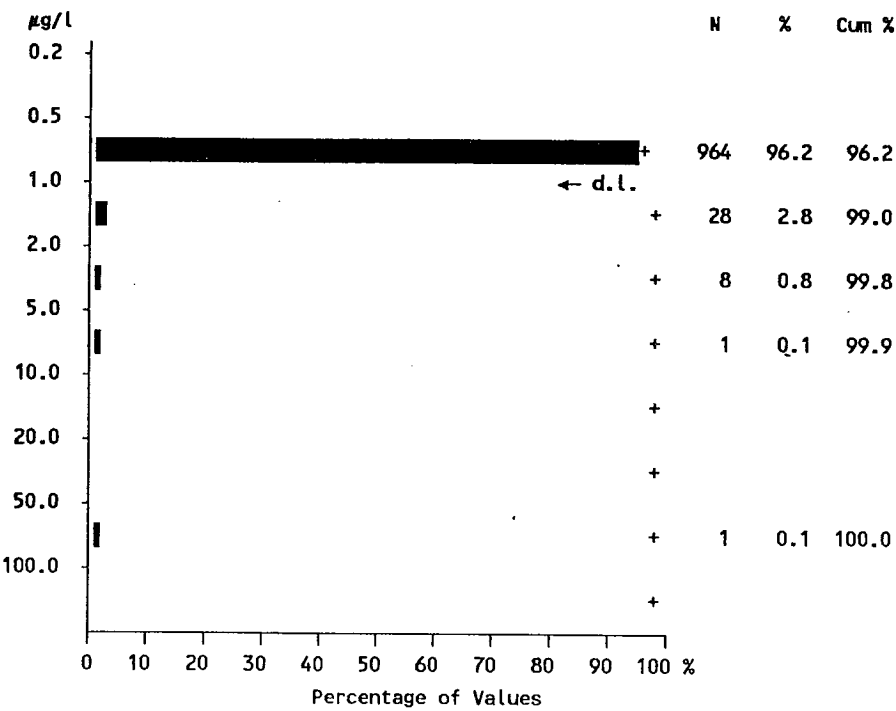
	All units
Number of values	1002
Number of values below d.l.	837
Number of missing values	0
Mean	1.042
Standard deviation	2.302
Skewness	7.487
Kurtosis	69.568
Geometric Mean	0.647
Percentiles	
Minimum value	0.500
25th	0.500
50th	0.500
75th	0.500
80th	0.500
90th	2.000
95th	4.000
98th	7.940
99th	11.000
Maximum value	29.000

GSC Open File 2912
Statistics for Groundwater

Cadmium (Graphite AA)

Number of values - 1002

Determination limit - 1 µg/l



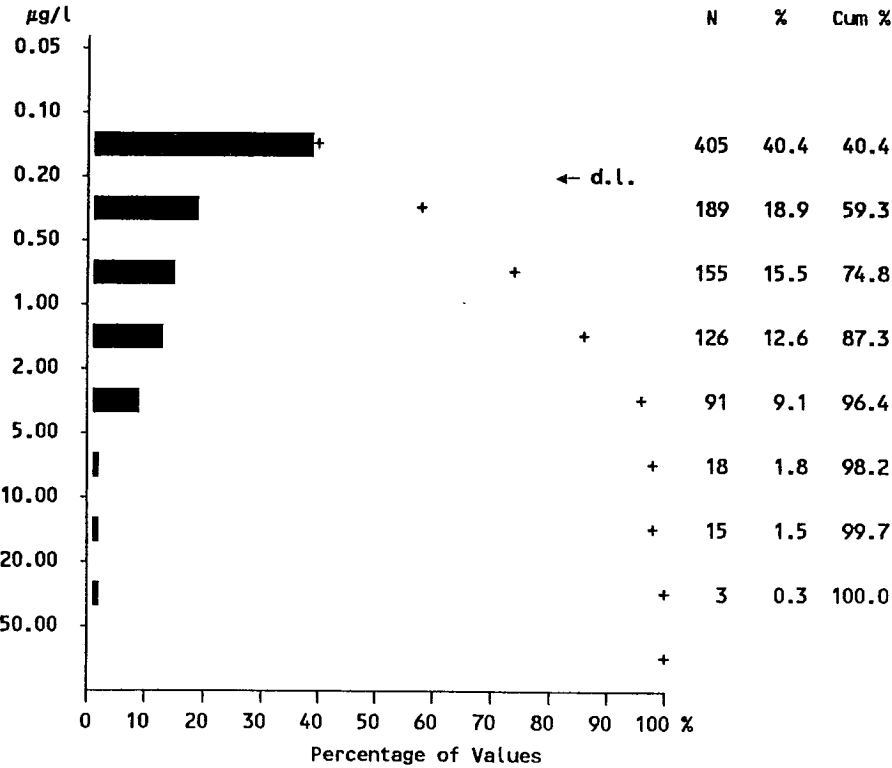
	All units
Number of values	1002
Number of values below d.l.	964
Number of missing values	0
Mean	0.592
Standard deviation	1.834
Skewness	30.644
Kurtosis	955.296
Geometric Mean	0.520
Percentiles	
Minimum value	0.500
25th	0.500
50th	0.500
75th	0.500
80th	0.500
90th	0.500
95th	0.500
98th	1.000
99th	1.970
Maximum value	58.000

GSC Open File 2912
Statistics for Groundwater

Arsenic (Hydride AA)

Number of values - 1002

Determination limit - 0.2 µg/l



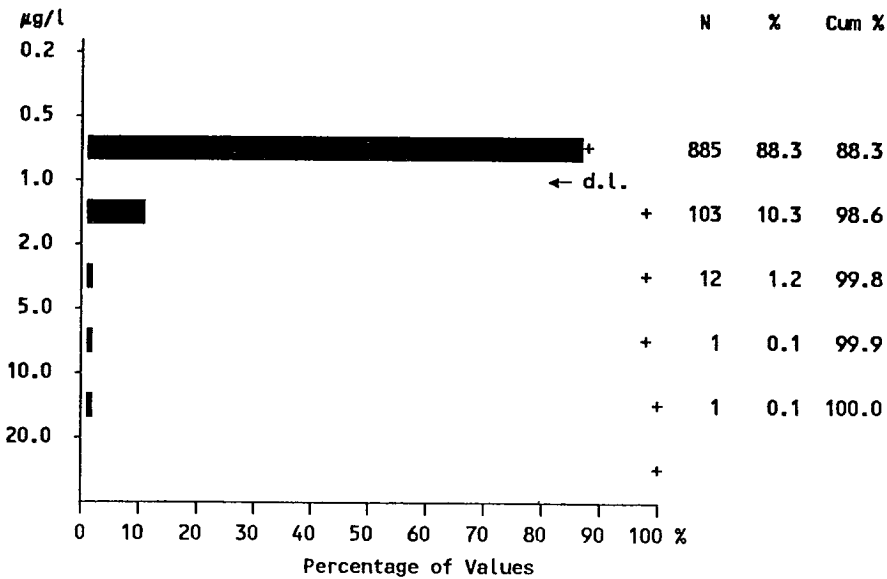
	All units
Number of values	1002
Number of values below d.l.	405
Number of missing values	0
Mean	1.115
Standard deviation	2.959
Skewness	8.489
Kurtosis	102.695
Geometric Mean	0.364
Percentiles	
Minimum value	0.100
25th	0.100
50th	0.300
75th	1.000
80th	1.200
90th	2.500
95th	4.200
98th	9.682
99th	14.285
Maximum value	49.100

GSC Open File 2912
Statistics for Groundwater

Antimony (Hydride AA)

Number of values - 1002

Determination limit - 1 µg/l



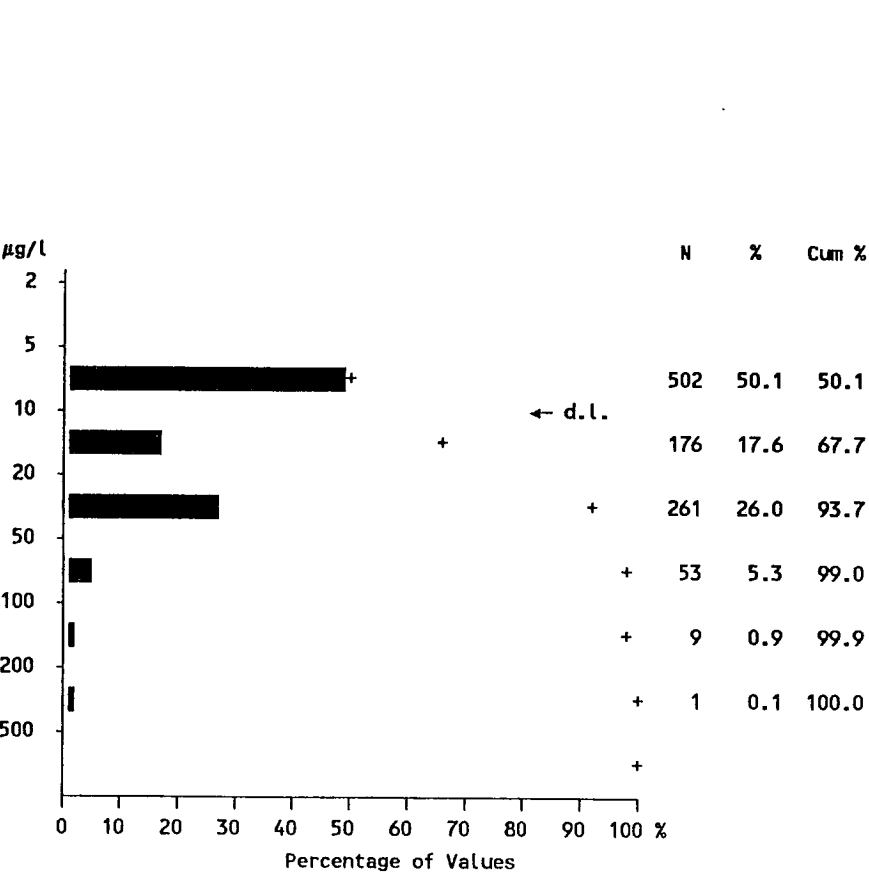
	All units
Number of values	1002
Number of values below d.l.	885
Number of missing values	0
Mean	0.590
Standard deviation	0.464
Skewness	14.937
Kurtosis	292.544
Geometric Mean	0.550
Percentiles	
Minimum value	0.500
25th	0.500
50th	0.500
75th	0.500
80th	0.500
90th	1.000
95th	1.000
98th	1.000
99th	2.000
Maximum value	11.000

GSC Open File 2912
Statistics for Groundwater

Nickel (ICP-ES)

Number of values - 1002

Determination limit - 13 µg/l



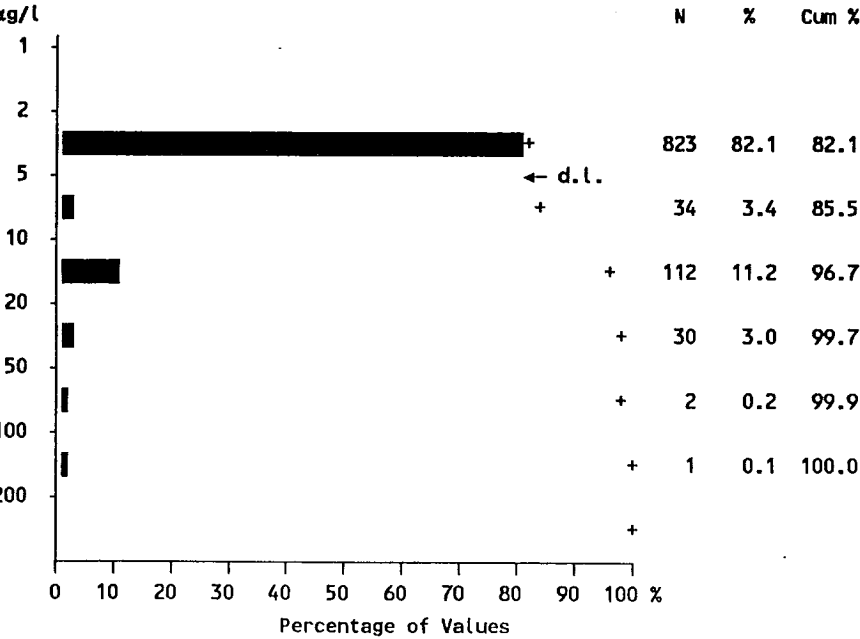
	All units
Number of values	1002
Number of values below d.l.	502
Number of missing values	0
Mean	18.444
Standard deviation	21.254
Skewness	4.369
Kurtosis	34.542
Geometric Mean	12.517
Percentiles	
Minimum value	6.000
25th	6.000
50th	6.000
75th	23.000
80th	27.000
90th	38.000
95th	55.000
98th	84.820
99th	103.820
Maximum value	289.000

GSC Open File 2912
Statistics for Groundwater

Cobalt (ICP-ES)

Number of values - 1002

Determination limit - 8 µg/l



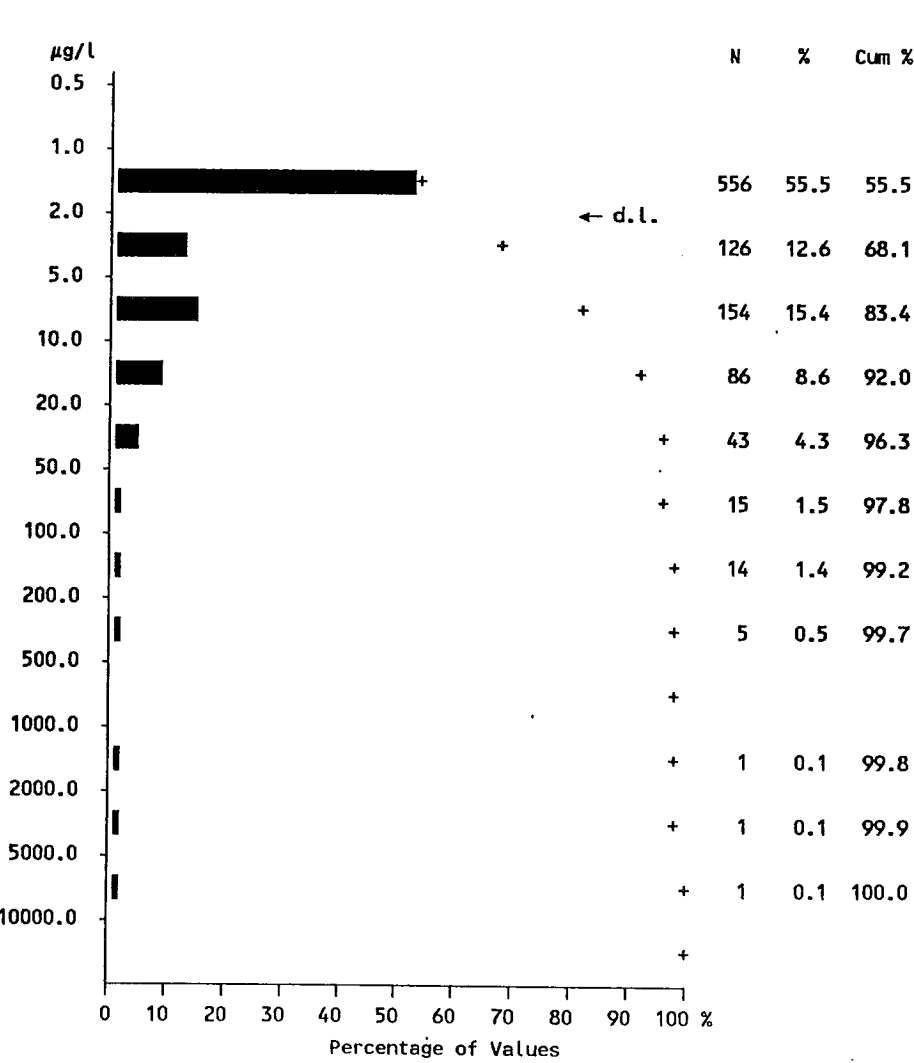
	All units
Number of values	1002
Number of values below d.l.	823
Number of missing values	0
Mean	6.120
Standard deviation	6.772
Skewness	8.495
Kurtosis	125.979
Geometric Mean	5.000
Percentiles	
Minimum value	4.000
25th	4.000
50th	4.000
75th	4.000
80th	4.000
90th	12.000
95th	16.000
98th	28.820
99th	32.000
Maximum value	132.000

GSC Open File 2912
Statistics for Groundwater

Vanadium (ICP-ES)

Number of values - 1002

Determination limit - 2 µg/l



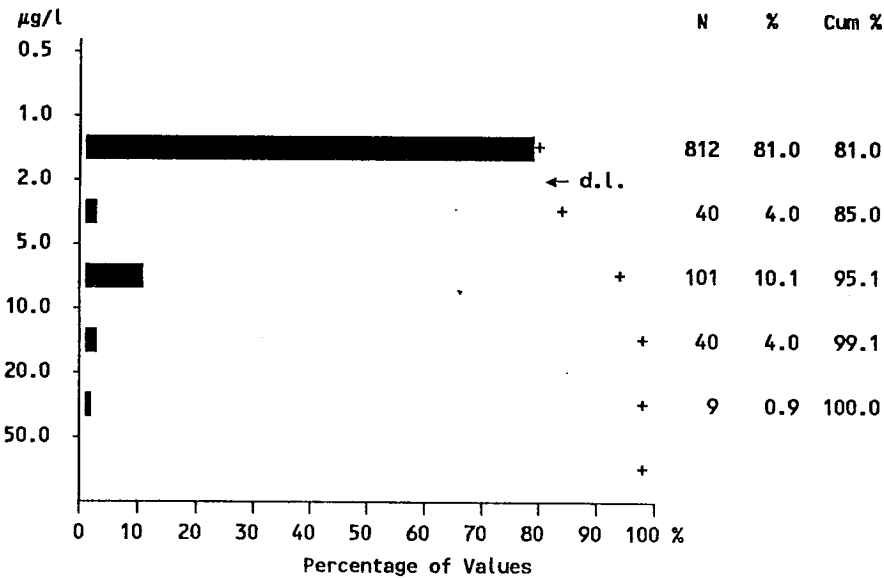
	All units
Number of values	1002
Number of values below d.l.	556
Number of missing values	0
Mean	17.787
Standard deviation	185.111
Skewness	23.051
Kurtosis	580.256
Geometric Mean	2.692
Percentiles	
Minimum value	1.000
25th	1.000
50th	1.000
75th	6.000
80th	8.000
90th	16.000
95th	30.850
98th	128.760
99th	177.820
Maximum value	5040.000

GSC Open File 2912
Statistics for Groundwater

Zirconium (ICP-ES)

Number of values - 1002

Determination limit - 3 µg/l



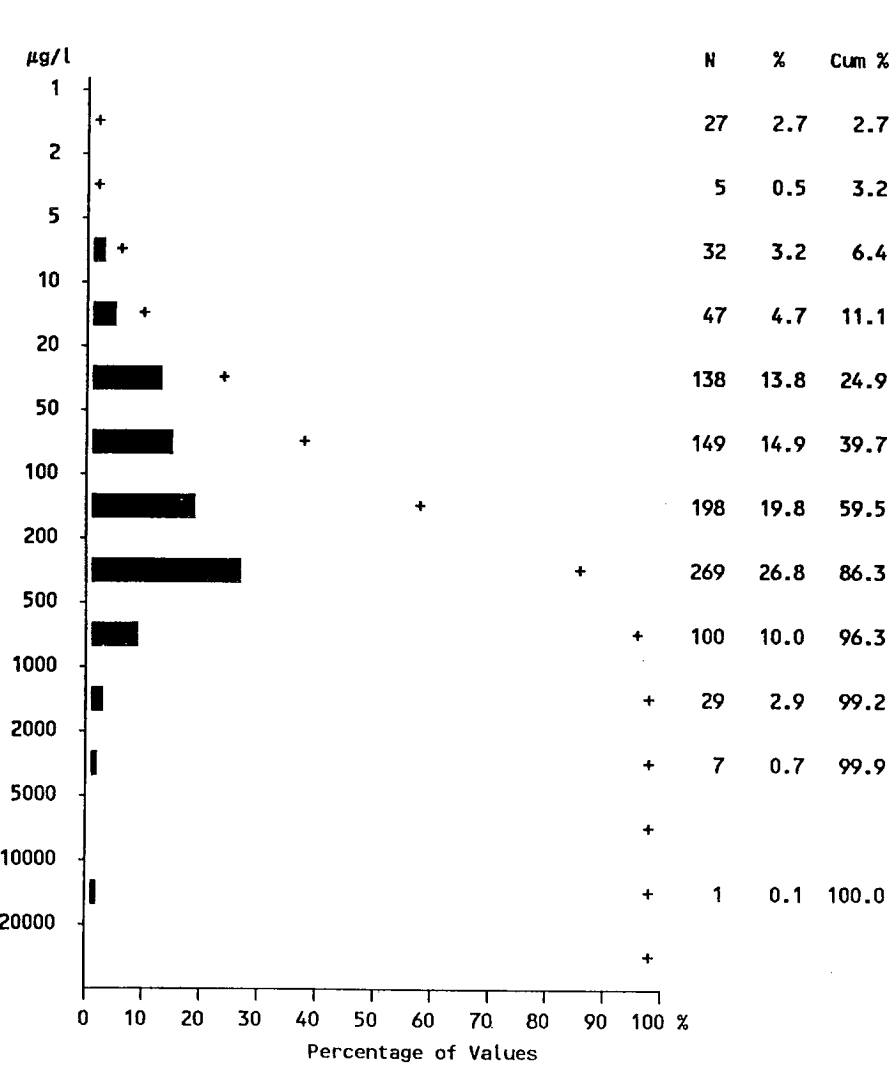
	All units
Number of values	1002
Number of values below d.l.	812
Number of missing values	0
Mean	2.380
Standard deviation	3.680
Skewness	4.093
Kurtosis	24.648
Geometric Mean	1.452
Percentiles	
Minimum value	1.000
25th	1.000
50th	1.000
75th	1.000
80th	1.000
90th	6.000
95th	9.000
98th	15.000
99th	19.000
Maximum value	44.000

GSC Open File 2912
Statistics for Groundwater

Barium (ICP-ES)

Number of values - 1002

Determination limit - 3 µg/l



	All units
Number of values	1002
Number of values below d.l.	27
Number of missing values	0
Mean	277.366
Standard deviation	621.055
Skewness	16.584
Kurtosis	389.894
Geometric Mean	115.795
Percentiles	
Minimum value	1.000
25th	50.000
50th	144.000
75th	324.000
80th	391.400
90th	632.300
95th	880.550
98th	1410.960
99th	1899.910
Maximum value	15780.000

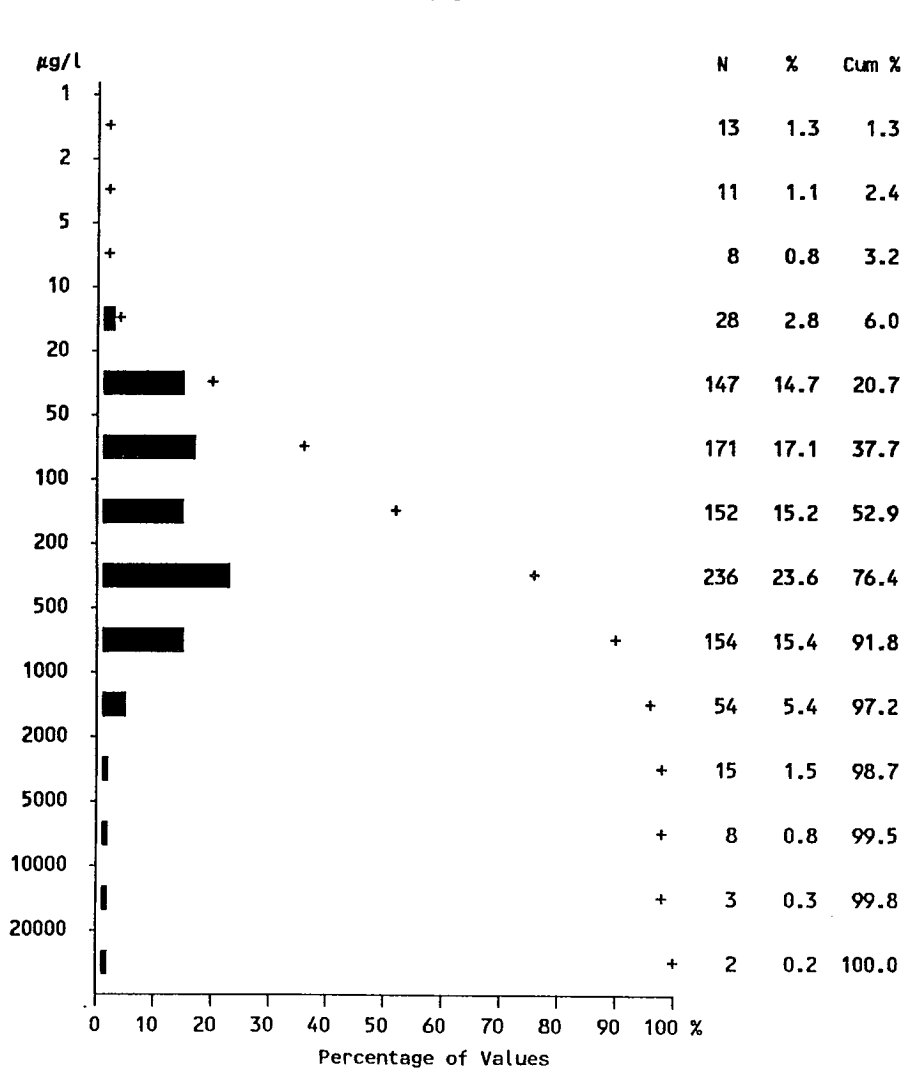
Ba

GSC Open File 2912
Statistics for Groundwater

Strontium (ICP-ES)

Number of values - 1002

Determination limit - 0.4 µg/l



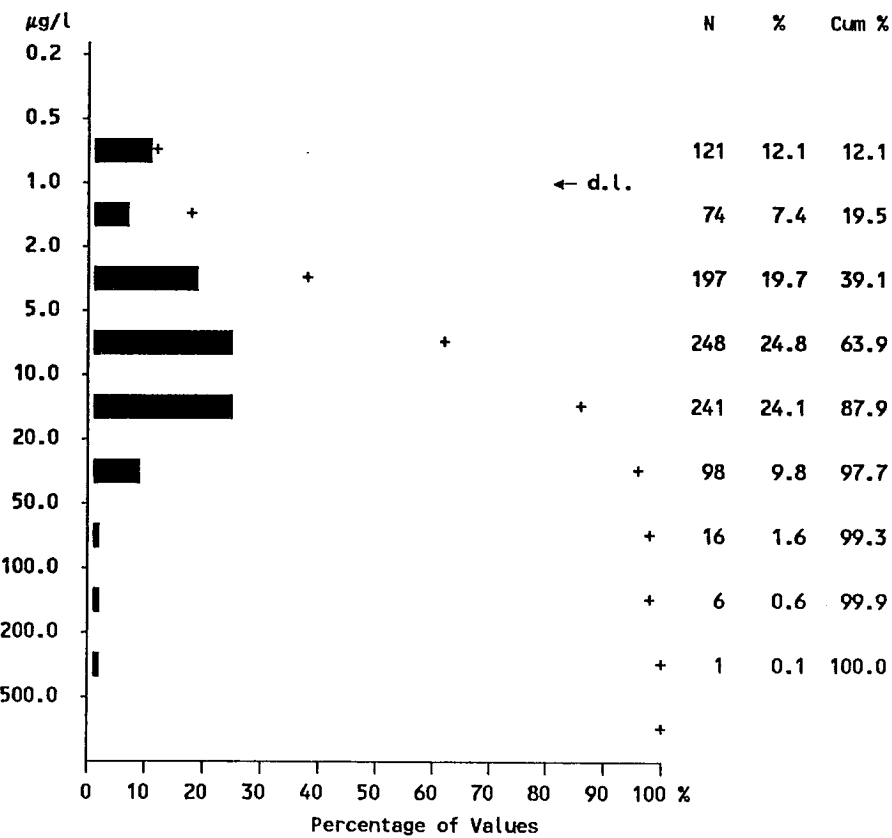
	All units
Number of values	1002
Number of values below d.l.	0
Number of missing values	0
Mean	486.647
Standard deviation	1646.190
Skewness	13.237
Kurtosis	220.868
Geometric Mean	161.944
Percentiles	
Minimum value	1.000
25th	60.000
50th	180.500
75th	469.250
80th	580.400
90th	935.100
95th	1260.700
98th	2957.080
99th	5825.570
Maximum value	34170.000

GSC Open File 2912
Statistics for Groundwater

Lithium (Graphite AA)

Number of values - 1002

Determination limit - 1 µg/l



	All units
Number of values	1002
Number of values below d.l.	121
Number of missing values	0
Mean	10.308
Standard deviation	14.716
Skewness	5.218
Kurtosis	43.658
Geometric Mean	5.185
Percentiles	
Minimum value	0.500
25th	2.000
50th	7.000
75th	13.000
80th	15.000
90th	21.000
95th	30.000
98th	54.820
99th	83.880
Maximum value	204.000