

GH-10-01

Borehole: GH-10-01
Location: Gads Hill, ON
Project: Groundwater Assessment
Study Area: Gads Hill Moraine

Easting: 509 313 m
Northing: 4 812 153 m
UTM Zone: 17
Datum: NAD83
Elevation: 377 m

Size Fraction: <0.074 mm
Original Material: Disaggregated, sieved
Vial Window Material: 4 micron SpectroCertified Mylar polypropylene
pXRF: Niton XL3t GOLDD, 50-kV Cygnat X-ray tube
Dwell Time: 60 seconds per High, Main, and Low filter
Mode Type: Soil Mode, Compton normalization

Date Drilled: July 2010
Date Logged: July 2010
Depth Drilled: 58.55 m
Borehole Diameter: 4 inch
Date Analyzed: January 2017



Soil Mode

This figure displays a series of 22 vertical plots for various elements (Sand, Silt, Clay, Al, As, Ba, Ca, Cr, Cu, Fe, K, Mn, Ni, Pb, Rb, S, Si, Sr, Th, Ti, V, Zn, Zr) against depth (0 to -60 meters). The plots show concentration profiles (ppm) for each element. A stratigraphic column on the left identifies geological units: Topsoil, Silty glaciolacustrine deposits, Tephritic till, Silty to sandy glaciolacustrine deposits, Gads Hill till (Brown Lake Wisconsin), Alluvial till, sand and gravel, and Paleozoic bedrock. A legend below the plots defines soil texture categories: Very fine- to fine-textured sand, Fine- to medium-textured sand, Medium- to coarse-textured sand, Gravelly sand, Gravel and sandy gravel, Diamictic clayey/silty, Diamictic silty/sandy, and Paleozoic bedrock.

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Elevation: 377 m

Size Fraction: <0.074 mm
Original Material: Disaggregated, sieved
Vial Window Material: 4 micron SpectroCertified Mylar polypropylene
pXRF: Niton XL3t GOLDD, 50-kV Cygnat X-ray tube
Dwell Time: 45 seconds per High, Main, Low and Light filter
Mode Type: Mining Mode, Fundamental parameters

Date Drilled: July 2010
Date Logged: July 2010
Depth Drilled: 58.55 m
Borehole Diameter: 4 inch
Date Analyzed: January 2017



Mining Mode

This figure displays a series of 22 vertical plots for various elements (Sand, Silt, Clay, Al, As, Ba, Ca, Cr, Cu, Fe, K, Mn, Ni, Pb, Rb, S, Si, Sr, Th, Ti, V, Zn, Zr) against depth (0 to -60 meters). The plots show concentration profiles (ppm) for each element. A stratigraphic column on the left identifies geological units: Topsoil, Silty glaciolacustrine deposits, Tephritic till, Silty to sandy glaciolacustrine deposits, Gads Hill till (Brown Lake Wisconsin), Alluvial till, sand and gravel, and Paleozoic bedrock. A legend below the plots defines soil texture categories: Very fine- to fine-textured sand, Fine- to medium-textured sand, Medium- to coarse-textured sand, Gravelly sand, Gravel and sandy gravel, Diamictic clayey/silty, Diamictic silty/sandy, and Paleozoic bedrock.