

Simplified Stratigraphy

Mud

Silt

Fine sand

Medium sand

Coarse sand

Diamicton

No recovery

Gravel/pebbles

Shells

Organic/roots

Hydrostratigraphic Units

Capilano sediments: deltaic deposits

Vashon drift: till lenses, gravel, sand

Quadra sands: sand

Cowichan Head Fm: silt, gravel, sand, peat

clay/stony clay with marine shells

Dashwood drift: till

Borehole: Cochrane

Location: Quacillum, BC

Project: Groundwater Assessment

Study Area: Nanaimo Lowlands

Easting: 379 107m

Northing: 5 472 671m

UTM Zone: 10

Datum: NAD83

Size Fraction: <0.063 mm

Original Material: Freeze-dried, disaggregated, sieved

Vial Window Material: 4 micron SpectroCertified Mylar polyester

pXRF: Niton XL3t GOLDD, 50-kV Cygnnet X-ray tube

Dwell Time: 60 seconds per High, Main, and Low filter

Mode Type: Soil Mode, Compton normalization


Date Drilled: December 2012

Date Logged: March 2013

Depth Drilled: 129.23 m

Method: Sonic

Borehole diameter: 155 mm



Cochrane

Sand (% <2mm)

Silt (% 63-4um)

Clay (% <4um)

As

Ba

Ca

Cr

Cu

Fe

K

Mn

Rb

S

Sr

Ti

V

Zn

Zr

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Capilano sediments: deltaic deposits

Vashon drift: till lenses, gravel, sand

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Cowichan Head Fm: silt, gravel, sand, peat

clay/stony clay with marine shells

Dashwood drift: till

Borehole: Spider

Location: Quacillum, BC

Project: Groundwater Assessment

Study Area: Nanaimo Lowlands

Easting: 382 789m

Northing: 5 469 236m

UTM Zone: 10

Datum: NAD83

Size Fraction: <0.063 mm

Original Material: Freeze-dried, disaggregated, sieved

Vial Window Material: 4 micron SpectroCertified Mylar polyester

pXRF: Niton XL3t GOLDD, 50-kV Cygnnet X-ray tube

Dwell Time: 60 seconds per High, Main, and Low filter

Mode Type: Soil Mode, Compton normalization


Date Drilled: December 2012

Date Logged: March 2013

Depth Drilled: 117.43 m

Method: Sonic

Borehole diameter: 155 mm



Spider

Sand (% <2mm)

Silt (% 63-4um)

Clay (% <4um)

As

Ba

Ca

Cr

Cu

Fe

K

Mn

Rb

S

Sr

Ti

V

Zn

Zr