Monitoring Well Network Project
Peace Region, British Columbia, Canada

EERI-1

Energy and Environment Research Initiative
Dept of Earth, Oceans, & Atmospheric Sciences
University of British Columbia

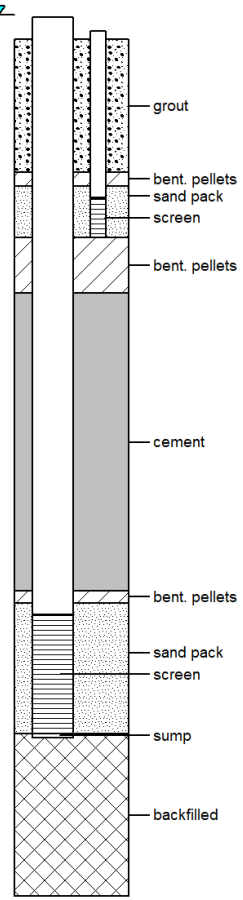
Date drilled	: 8/22/2018-8/23/2018	Drilled by	: Mud Bay Drilling
Location	: Groundbirch - Wangler Road		
Equipment	: Sonic drill (truck mounted)		
Logged by	: Max Goetz		
Sampled by	: Andrew Allen		

Depth in Metres

Water info

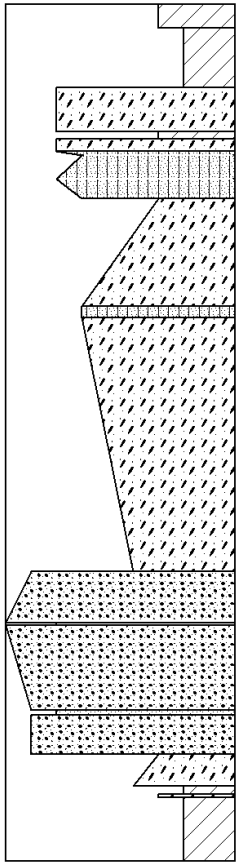
Driller reports artesian conditions 45-48 m

Well1: 3" PVC, 0.020 slot
Well2: 1" PVC, 0.020 slot
Elev.:



GRAIN SIZE & LITHOLOGY

gravel sand silt clay



DESCRIPTION

- Silty clay, hints of horizontal bedding, soft sediment deformation, 0% clasts
- Clay, lack of bedding, increasing in clay content, brown/grey. First appearance of isolated clasts, <1% clasts
- Diamict, sandy matrix with 3 cm pebbles, 7% clasts
- Silty clay, laminated, 0% clasts
- Diamict, sandy matrix with 3cm pebbles, 3% clasts
- Medium to coarse sand interbedded with silty fine sand, potentially water bearing, 0-1% clasts
- Diamict, dense silty clay matrix, variable clast size. Overall coarsening of matrix and clasts to silty sand diamict. Grey in colour with iron-oxide orange coating clasts common, chert and quartzite clasts common, sheared bedding, minor organics. 20-35% clasts
- Silty fine sand, small interlayer in diamict, 0% clasts
- Diamict, sandy matrix with pebble-to cobble-sized clasts common, grey/brown matrix, fines to clayey silt diamict. 35% clasts
- Sandy gravel, mostly pebble-sized clasts with minimal cobbles, increase in sand content with depth. 75-90% clasts
- Coarse sand, 0% clasts
- Sandy gravel, mostly pebble sized clasts with minimal cobbles, increase in sand content with depth. 65-80% clasts
- Medium to coarse sand, liquified, this section was not at the beginning or end of sleeve, leading to believe it is not a drilling artifact. 0% clasts
- Sandy gravel, medium to coarse pebbly gravel, 75% clasts
- Diamict, silty clay matrix, dense, poorly sorted, iron-rich pebble clasts, matrix supported. Matrix coarsens downwards. 30% clasts
- Clay, finely laminated, light grey, dry and fissile, 0% clasts. Small interlayer of silty clay diamict present in this interval