Monitoring Well Network Project
Peace Region, British Columbia, Canada

EERI-23

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

Date Drilled	: 8/19/2019 - 8/20/2019	Drilled By	: Omega Environmental Drilling
Location	: Jackfish Lake Road, BC		
Equipment	: Boart Longyear LS600 Sonic Track	Sonic (O.D. = 15.24 cm)	: 0-26.2m
Logged By	: Max Goetz	Air Rotary (O.D. = 12.7 cm)	: 26.2-46m
Sampled By	: Max Goetz		

Depth in Meters	Water Info	Well: 3" PVC, 20 slot	GRAIN SIZE & LITHOLOGY (gravel, sand, silt, clay)	DESCRIPTION
0				Topsoil, silty loam, organic rich, brown, saturated.
				Silty clay diamict, light grey matrix, minor oxidation increases with depth, 15-30% clasts mostly oxidized granules which increase in size and % with depth, moderately dense matrix.
5				Silty v fine sand diamict, minor clay, 50-60% clasts (clast supported), clasts range from granules to boulders, dry, heavily iron oxidized matrix. No oxidation between 21.6-22.9m. Sharp contact with bedrock.
10		Grout		
15				
20				
25		Bent. Pellets		Shale, moderately competent, black, clayey. Difficult to measure flow rate due to hole claying up. Fast recharge between airlifts.
30		Sand Pack		
35	@35.1m First sign of inflow in bedrock	Screen		
40		Backfill		
45				
50				