BOREHOLE LOG

PROJET: ADAPT
SITE: Bylot
BOREHOLE NO.: 1.2
COORDINATES: Lat: 73.15005 N Long: 80.004848 W
ELEVATION:
START DATE:
END DATE:

Instrumentation
- Temperature sensor (Decagon ECT)
- Temperature sensor (YSI 44033)
- Volumetric water content, temperature and bulk electrical conductivity (Decagon 5ET)
- Volumetric water content (Decagon EC-5)
- Pressure sensor

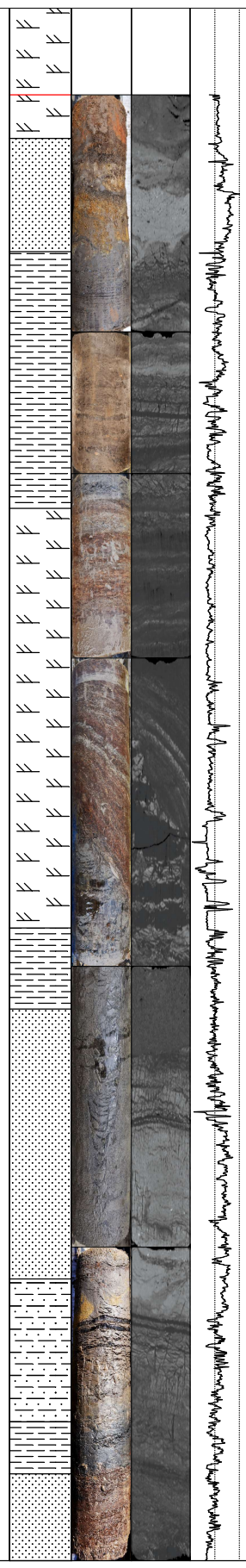
Instrumentation
- PVC casing

Sampling method
- Excavation
- Diamond core
- Slit spoon
- Destructive

Recovery
- Recovered
- No recovery

Sample state
- *Ud-F* Undisturbed and frozen
- *Ud-Uf* Undisturbed and unfrozen
- *D-F* Disturbed and frozen
- *D-Uf* Disturbed and unfrozen

C/H/N
- *w* Water content (%)
- *p* Bulk density (g/cm-3)
- C Carbon (%)
- H Hydrogen (%)
- N Nitrogen (%)



Depth (m)	Stratigraphy	Soil description	Sampling method	Recovery	Sample state	Sample name	Volume (%) Soil / Ice / Air	Water content (%)	Salinity (ppm)	Grain size G	Grain size S	Grain size M-C	Consistency wl	Consistency wp	Consistency Ip	Consistency IL	USCS	Consol. kPa 25	Consol. kPa 50	Consol. kPa 100	C/H/N *w*	C/H/N *p*	C/H/N C	C/H/N H	C/H/N N	Radiocarbon dates 14C (BP)	±	Material
0.00		Organic matter. Thaw front at 0.10 m.			D-UF																							
		Organic, reddish with black spots, porous invisible and microlenticular cryostructure			Ud-F	Bylot_Humid_2_10-12															58.035	1.276	6.908	1.392	0.512			
		Medium to coarse sand, black/orange, porous invisible																										
		Silt, grey, ice-rich, microlenticular cryostructure (wavy and discontinuous ice lenses) and layered cryostructure (~1cm).				Bylot_Humid_2_34-36															42.436	1.375	3.533	0.681	0.225			
					Ud-F	Bylot_Humid_2_53-55															54.564	1.154	5.005	0.865	0.360			
		Organic with layers of silt, red/brown, porous invisible, sharp and angular unconformity																										
						Bylot_Humid_2_72-74															77.198	0.796	12.345	1.772	0.459			
-1.00					Ud-F																							
		Silt, grey, ice-rich, reticulate cryostructure with thick lenses of pure ice (~1cm), layered cryostructure (?), vertical air bubbles				Bylot_Humid_2_110-112															56.623	1.073	4.958	0.877	0.270			
		Sand, grey/brown, porous invisible, vertical ice veins (mm)																										
						Bylot_Humid_2_132_134															28.269	1.648	1.719	0.429	0.096			
						Bylot_Humid_2_134-136															26.467	2.503	0.968	0.233	0.049			
		Silt and sand, grey, lenticular cryostructure (wavy and discontinuous ice lenses) with thick ice lenses			Ud-F																							
		Silt, organic, black, lenticular cryostructure (wavy and discontinuous lenses)																										
		Sand, brown/red, porous visible																										
						Bylot_Humid_2_178-180															73.792	1.003	6.061	0.899	0.291			
		End of borehole at 1,78 m.																										

Version 1.4 E. L'Hérault and A-S. Carbonneau (2015-06)