BOREHOLE LOG

PROJET: ADAPT
SITE: Bylot
BOREHOLE NO.: 2.2
COORDINATES: Lat: 73.141834 N Long: 79.966048 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 C3	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		Thaw front at 10 cm.			D-Uf																					
		Organic, heterometric (silt, sand, gravel), brown/orange, porous invisible with a thick ice layer (cm), vertical ice veins, vertical air bubbles			Ud-F	Bylot_Mesic_2_10-12													43.182	1.145	3.756	0.722	0.280			
		Organic, silt and sand, black and grey, microlenticular cryostructure (wavy and discontinuous) with thick ice layers (at ~ 34-35 cm)			Ud-F																					
		Organic, black and brown/orange, porous invisible			Ud-F																					
		Heterometric (silt, sand, gravel, cobble), grey, very ice-rich, layered to suspended cryostructure			Ud-F	Bylot_Mesic_2_83-85													76.007	1.277	3.092	0.724	0.172			
						Bylot_Mesic_2_95-97													76.942	0.973	7.374	1.076	0.358			
		Sand, gravel, grey, layered cryostructure (planar lenses)			Ud-F																					
-1.00		Heterometric (silt, sand, gravel, cobble), very ice-rich, suspended cryostructure, vertical air bubbles			Ud-F	Bylot_Mesic_2_120-122													80.800	0.849	2.396	0.661	0.132			
						Bylot_Mesic_2_154-156													45.842	1.247	0.603	0.304	0.019			

End of borehole at 1,56 m.

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