BOREHOLE LOG

PROJET: ADAPT
SITE: Bylot
BOREHOLE NO.: 1.1
COORDINATES: Lat: 73.150306 N Long: 80.00427 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

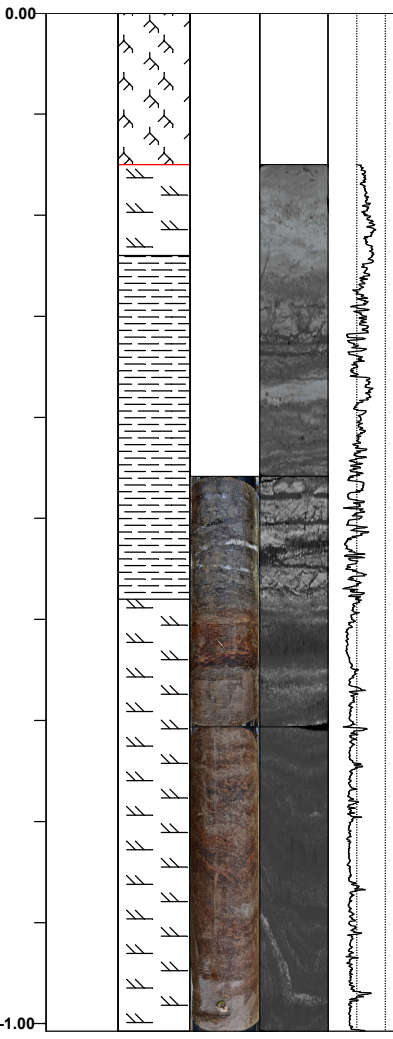
Instrumentation
- PVC casing

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)	Soil description	Sampling method	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	Thaw front at 0,15 m.		D-Uf																							
	Organic, brown, porous invisible.		Ud-F	Bylot_Humid_1_15-17															35.043	1.560	3.508	0.835	0.252			
	Silt, grey, porous invisible, a few small lenses.																									
	Silt, grey, ice-rich, reticulate cryostructure with thick ice lenses.																									
	Silt and organic, grey, porous invisible.			Bylot_Humid_1_44-46															52.497	1.276	5.648	0.911	0.327			
	Silt, grey, ice-rich, lenticular and reticulate cryostructure, vertical air bubbles. May corresponded to the transient layer.		Ud-F	Bylot_Humid_1_46-48															60.012	1.158	6.610	1.124	0.429			
	Organic, brown/red, ice-rich, porous visible.			Bylot_Humid_1_69-71															80.209	1.523	13.848	2.155	0.488			
			Ud-F	Bylot_Humid_1_71-73															67.704	1.037	7.106	0.951	0.217			
-1.00	End of borehole at 1m.			Bylot_Humid_1_98-100															78.771	1.132	9.711	1.250	0.349			

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