BOREHOLE LOG

PROJET: ADAPT
SITE: Bylot
BOREHOLE NO.: 1.3
COORDINATES: Lat: 73.150409 N Long: 80.00492 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		Peat semi frozen. Thaw front at 0.08 m.			D-Uf																					
		Organic, silt, brown/red, no visible ice			Ud-F																					
		Sand with layers/pockets of silt, brown/orange to grey, porous invisible																								
		Sand, silt, grey, reticulate cryostructure with 2 thicker ice lenses				Bylot_Humid_3_44-46													46.531	1.375	4.112	0.749	0.256			
		Organic, red/brown, porous invisible			Ud-F																					
						Bylot_Humid_3_73-75													80.112	0.911	16.771	2.507	0.553			
		Silt, very ice-rich, suspended to layered cryostructure, vertical air bubbles, angular upper contact			Ud-F																					
-1.00						Bylot_Humid_3_99-101													53.789	1.115	4.923	0.838	0.343			
		Silt, sand (between 1.11 and 1.30m), grey, reticulate to layered cryostructure, vertical air bubbles			Ud-F																					
						Bylot_Humid_3_134-136													31.804	1.723	1.586	0.351	0.099			
						Bylot_Humid_3_136-138													48.918	1.241	4.576	0.885	0.274			
		Organic, sand, silt, black, microlenticular cryostructure			Ud-F																					
						Bylot_Humid_3_173-175													52.117	1.350	6.115	0.968	0.357			
		End of borehole at 1,75 m.																								

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