BOREHOLE LOG

PROJET: ADAPT
SITE: Daring Lake
BOREHOLE NO.: Birch-03A
COORDINATES:
ELEVATION:
START DATE: 2013-27-05
END DATE: 2013-27-05

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

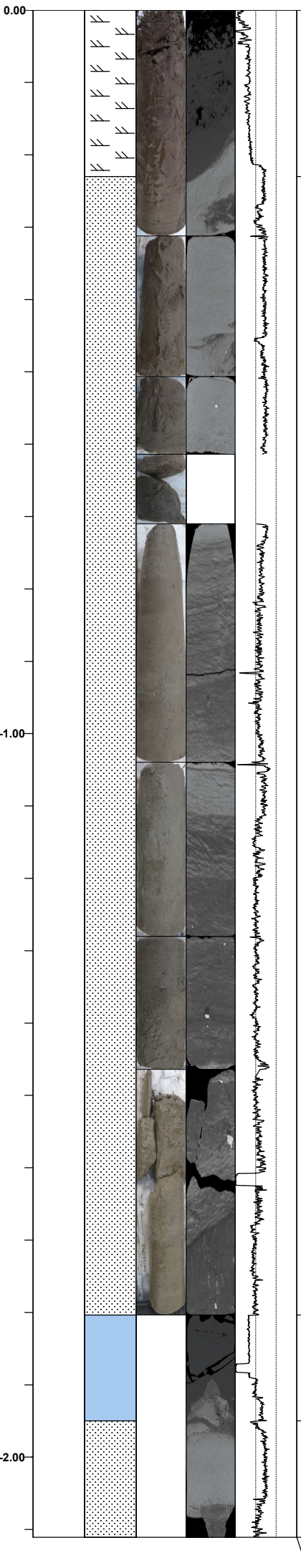
Instrumentation
- PVC casing

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	Consol.	Consol. 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
		Peat.			Ud-F	DL_3a_0-1															63.549	1.052	28.130	4.034	0.704			
						DL_3a_34-35															25.791	1.438	0.815	0.082	0.053			
		Sand.			Ud-F	DL_3a_35-36															22.676	1.680	1.253	0.143	0.062			
						DL_3a_50-51															23.927	1.640	0.860	0.092	0.052			
					Ud-F	DL_3a_51-52															18.955	1.525	0.903	0.096	0.048			
						DL_3a_60-61															24.442	1.559	0.140	0.028	0.023			
					Ud-F	DL_3a_61-62															17.200	1.496	0.151	0.029	0.020			
						DL_3a_70-71															18.912	0.495	0.127	0.026	0.025			
					Ud-F	DL_3a_71-72															19.117	0.675	0.402	0.040	0.031			
						DL_3a_103-104															32.622	1.943	0.131	0.033	0.024			
					Ud-F	DL_3a_104-105															18.697	1.754	0.295	0.039	0.016			
						DL_3a_124-125															55.457	0.838	0.255	0.033	0.027			
						DL_3a_125-126															47.359	2.108	0.415	0.040	0.030			
					Ud-F	DL_3a_143-144															25.181	1.048	0.389	0.040	0.028			
						DL_3a_144-145															37.485	1.155	0.691	0.064	0.042			
					Ud-F	DL_3a_179-180															61.881	1.436	0.143	0.032	0.021			
		Pure ice.																										
		Sand.			Ud-F	DL_3a_209_210															37.422	1.339	0.090	0.033	0.029			

End of borehole at 2.11 m.

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