BOREHOLE LOG

PROJET: Iqaluit Airport
SITE: Apron I
BOREHOLE NO.: IQA_AERO_DDH_13_01
COORDINATES: X: 522502.0047 Y: 7069933.2182
ELEVATION: 24 m
START DATE: 19-04-2013
END DATE: 20-04-2013

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	Sample state	Sample name	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		Asphalt (0,26 m).																								
		Brown angular to subangular sand and gravel (embankment). Pore ice.		D-Uf	13_01_26-41																					
				Ud-F	13_01_41-55	4.0		60.35	32.42	7.22					GP-GM											
					13_01_55-74	10.2		42.81	47.04	10.15					SW-SM											
		Beige medium to fine sand. Pore ice.			13_01_74-84	22.8																				
-1.00				D-Uf	13_01_84-144																					
-2.00		End of borehole at 2,04 m.																								

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