

CLIENT YUKON ENERGY CORPORATION
PROJECT STUDY OF ICE PROCESSES IN THE MAYO RIVER, YUKON
SITE Low lying area east of village dike
LOCATION East of Mayo dike within treed area
DRILLING METHOD SSA/HSA

JOB NO. 10-1404-08
GROUND ELEV. 490.100 m
TOP OF PVC ELEV.
WATER ELEV.
DATE DRILLED 4/16/2011
UTM (m) N 7,052,664
 E 455,847

ELEVATION (m)	DEPTH (m) (ft)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	SAMPLE TYPE NUMBER	RECOVERY %	SPT (N) blows/0.15 m ▲	Cu POCKET PEN (kPa) *			
						DYNAMIC CONE (N) blows/ft ▲	20	40	60	80
							PL	MC	LL	%
						20 40 60	20	40	60	80
490			SNOW PACK/ICE							
489.2	1		SILT (ML) - Brown/grey, frozen to 1.5 m, moist when thawed, trace fine-grained sand, trace clay, trace organics.	S1						
488.1	2		GRAVELLY SAND (SW) TO SAND AND GRAVEL (SW-GW) - Brown, saturated, well-graded, mixture of fine-grained sand to gravel, gravel is subrounded to rounded. Grain Size: Gravel (52%), Sand (41.5%), Silt & Clay (6.5%) at 2.1 m.	S2						
487	3		- With to and gravel, auger recovers approximately 25% below 3.05 m.							
486	4		Grain Size: Gravel (44%), Sand (45.7%), Silt & Clay (10.3%) at 3.7 m.	S3						
485	5									
484.6	6		CLAYEY SILT TILL (ML-CL) - Grey, moist, smooth drilling, trace fine- to coarse-grained sand, trace gravel (rounded to subrounded). Grain Size: Gravel (4.1%), Sand (7.9%), Silt (59.3%), and Clay (28.7%) at 5.6 m.	S4						
483.4	7		SILTY CLAY (CI) - Grey, moist, stiff, massive, intermediate plasticity.	S5						
483	8		- Intermediate to low plasticity below 8.5 m.	S6						
482	9									
481	10									
480	11									
479.4	12									
479	13									
478	14									
477	15									

END OF HOLE AT 10.7 m.

Notes:
1. Hole backfilled with auger cuttings.

SAMPLE TYPE Auger Grab

CONTRACTOR
Donjek Drilling

INSPECTOR

RECEIVED

APPROVED

DATE
12/8/11

MAY 28 2014

GEO-TECHNICAL-SOIL LOG P:\PROJECTS\2010\10-1404-08\DESIGN\GEOLOG\MAYO DYKE LOGS.GPJ