

PROJECT: TSF investigation		HOLE: #200-3		<div style="border: 1px solid black; padding: 2px;"> <p>Symbolic Log</p> <p>Clay - Fine material</p> <p>Silty Material</p> <p>Sand - Coarser Material</p> <p>Visible ice inclusion</p> <p>Visible ice lens</p> </div>		SHEET 2 of 3	
DRILLING DATE: April 15 / 14		LOCATION: TSF Area B					
DRILL CONTRACTOR/DRILL TYPE: Orbit Garant / diamond drill		SURFACE ELEVATION: 46.9m HOLE DEPTH: 16.2m					
DRILLER: Eric Levesque / Christian L.		CORE DIAMETER: HQ OR CUTTINGS					

Depth Scale (m)	Run No.	Symbolic Log *	Material Description (Color, sand/silt/clay %)	Frozen Core/Cutting - Y/N	Ice description - not visible, visible crystal/inclusion, ice lense, bonded, friable	% Ice Content	Penetration Rate (Fast, Slow, Very Slow - m/min)	Recovery (Poor, Medium, Good - core %, cutting %)	Water - Y or N	Sample Record - Y/N, Interval, ID#	Photo - Y/N	Comments
6.2	#5		No recovery	N			Easy to drill	Poor 0%	N		N	
6.4												
6.6												
6.8												
7.0												
7.2	#6		Dark grey fine tailings sand	Y	OT visible we bonded FROZEN	50%	Easy to drill	Good 100%	N	#2 7.2m to 8.7m	Y	T = 1.22 Soft outside of core but frozen inside.
7.4												
7.6												
7.8												
8.0												
8.2												
8.4												
8.6	#7		Dark grey fine tailings sand	Y	NOT visible well bonded FROZEN	50%	Easy to drill	Medium 64%	N	#3 8.7m to 10.2m	Y	T = 1.79 Soft outside of core, frozen inside and very solid tailings.
8.8												
9.0												
9.2												
9.4												
9.6												
9.8												
10.0	#8		Dark grey fine tailings sand	N	No ice	0%	AS TO drill	medium 35%	N	#4 10.2m to 11.7m	Y	T = 6.12 The core is not frozen very soft
10.2												
10.4												
10.6												
10.8												
11.0												
11.2												
11.4												
11.6												
11.8												
12.0												
12.2												

LOG BY:

Melissa LaPointe D.

NOTES:

PROJECT: TSE investigation		HOLE: #200-3		Symbol		SHEET 3 OF 3					
DRILLING DATE: April 15 / 14		LOCATION: TSE, AREA B		Clay - Fine material							
DRILL CONTRACTOR/DRILL TYPE: Orbit geant / diamond drill		SURFACE ELEVATION: 146.9m HOLE DEPTH: 16.2m		Silty Material							
DRILLER: Eric Levesque / Christian L.		CORE DIAMETER: HQ		Sand - Coarser Material							
		OR CUTTINGS		Visible ice inclusion							
				Visible ice lense							
Depth (m)	Run No.	Material Description (Color, sand/silt/clay %)	Frozen Core/Cutting - Y/N	Ice description - not visible, visible crystal/inclusion, ice lense, bonded, friable	% Ice Content	Penetration Rate (Fast, Slow, Very Slow - m/min)	Recovery (Poor, Medium, Good - core %, cutting %)	Water - Y or N	Sample Record - Y / N, Interval, (m)	Photo - Y/N	Comments
12.4 7.2	#9	Dark grey fine tailings sand	Y	Ice crystal lense visible	60%	Easy to drill	Medium 80%	N	#5 11.7m To 13.2m	Y	T= 1.1°C Core it's very Solid.
12.6 6.4											
12.8 5.6											
13.0 4.8											
13.2 4.0											
13.4 3.2	#10	Dark grey fine tailings sand	Y	NOT visible well bonded Frozen	50%	Easy To drill	Good 100%	N	#6 13.2m to 14.7m	Y	T= 1.1°C core it's very Solid.
13.6 2.4											
13.8 1.6											
14.0 0.8											
14.2 0.0											
14.4 -0.8											
14.6 -1.6											
14.8 -2.4	#11	Bedrock	N	NO ice	0%	Hard to drill	Poor 33%	N	#7 14.7m TO	Y	
15.0 -3.2											
15.2 -4.0											
15.4 -4.8											
15.6 -5.6											
15.8 -6.4											
16.0 -7.2											
16.2 -8.0											
16.4 -8.8											
16.6 -9.6											
16.8 -10.4											
17.0 -11.2											
17.2 -12.0											
17.4 -12.8											
17.6 -13.6											
17.8 -14.4											
18.0 -15.2											
18.2 -16.0											
18.4 -16.8											
18.6 -17.6											
18.8 -18.4											
19.0 -19.2											
19.2 -20.0											
19.4 -20.8											
19.6 -21.6											
19.8 -22.4											
20.0 -23.2											
20.2 -24.0											
20.4 -24.8											
20.6 -25.6											
20.8 -26.4											
21.0 -27.2											
21.2 -28.0											
21.4 -28.8											
21.6 -29.6											
21.8 -30.4											
22.0 -31.2											
22.2 -32.0											

LOG BY: melissa Lapointe D.

NOTES:



APPENDIX E

Laboratory Testing