

DETAILED LOG

Hole Number: ES2005-43

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -79.00
Project Number: 201	North: 6803313.17	North: 61.36	Collar Az: 50.00
Location: Surface	East: 534504.46	East: 9.65	Length: 46.30 (m)
	Elev: 879.66	Elev: 879.66	Start Depth: 0.00 (m)
Date Started: Aug 13, 2005	Collar Survey: Y	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: Aug 14, 2005	Multishot Survey: N	Hole Size: TT46	Core Storage: Strand Fjellstue
Logged By: larsw	Pulse EM Survey: N	Casing: Left in Hole, capped	Final Depth: 46.30 (m)

Comments: Purpose: To test UTEM conductor ESP_24_20 on L9455E, approximately 20m grid west of the centre of the modelled conductive plate (Conductivity = 2000 siemens).

Result: No mineralization / conductor intersected. Intersected sausseritized anorthosites with a crosscutting dolerite.

Assays: No samples taken.

Borehole UTEM: Survey to be conducted in November 2005.

Lithological interpretation: Anorthositic terrain intruded by mafic body.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	3.20	C, Casing							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
3.20	25.74	<p>4s, Sausseritized/Tectonized Anorthosite</p> <p>This unit consists of a fine-grained, non-magnetic, homogeneous, white and gray rock. The rock consists mainly of white anorthosite; it contains abundant dark gray to black alteration minerals. This unit is not foliated but is cut by numerous small mm-scale veinlets. Two minor units are contained within this unit.</p> <p>This unit is not mineralized.</p> <p>RQD</p> <p>3.20 - 6.00 : 80.00 % RQD 100.00 % Core</p> <p>6.00 - 9.00 : 57.00 % RQD 100.00 % Core</p> <p>9.00 - 12.00 : 45.00 % RQD 100.00 % Core</p> <p>12.00 - 15.00 : 77.00 % RQD 100.00 % Core</p> <p>15.00 - 18.00 : 85.00 % RQD 100.00 % Core</p> <p>18.00 - 21.00 : 94.00 % RQD 100.00 % Core</p> <p>21.00 - 24.00 : 97.00 % RQD 100.00 % Core</p> <p>24.00 - 27.00 : 59.00 % RQD 100.00 % Core</p> <p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>8.95 - 9.74 MD, Mafic Dike</p> <p>Fine-grained, non-magnetic, dark green to black mafic intrusive. The upper and lower contacts are sharp at 15 and 45 degrees tca. respectively.</p> <p>This unit is not mineralized.</p> <p>Minor Interval:</p> <p>10.6 - 11.99 DIA, Diabase</p> <p>Fine to medium-grained, moderately magnetic, black-and-white dolerite (diabase) with typical ophitic texture. The upper and lower contacts are sharp; the upper is 10 tca, the lower one is irregular.</p> <p>This unit is not mineralized.</p>							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
25.74	38.85	<p>D1A, Diabase</p> <p>This unit consists of medium-grained, non- to weakly foliated dolerite (diabase) with typical ophitic texture. The unit, especially the upper part, is magnetic. The upper contact is fine-grained (chilled?) over ca. 10cm. The contact is sharp but irregular. Between 32.83m and 38.85m the unit interfingers with a mafic dyke (10f). The upper contact of this zone is sharp, irregular and brecciated over ca. 15cm. This unit becomes somewhat finer-grained towards the footwall.</p> <p>Locally, this unit contains trace sulfide mineralization.</p> <p>Structure</p> <p>29.26 - 29.27 : S1 First Foliation, 40 Deg to CA</p> <p>35.45 - 35.46 : S1 First Foliation, 55 Deg to CA</p> <p>RQD</p> <p>27.00 - 30.00 : 55.00 % RQD 100.00 % Core</p> <p>30.00 - 33.00 : 37.00 % RQD 100.00 % Core</p> <p>33.00 - 36.00 : 37.00 % RQD 100.00 % Core</p> <p>36.00 - 39.00 : 65.00 % RQD 100.00 % Core</p>							
38.85	46.30	<p>4s, Sausseritized/Tectonized Anorthosite</p> <p>This unit consists of a fine-grained, non-magnetic, homogeneous, white and gray rock. The rock consists mainly of white anorthosite; it contains abundant dark gray to black alteration minerals. This unit is not foliated but is cut by numerous small mm-scale veinlets. One minor unit is contained within this unit.</p> <p>This unit is not mineralized.</p> <p>RQD</p> <p>39.00 - 42.00 : 73.00 % RQD 100.00 % Core</p> <p>42.00 - 46.30 : 80.00 % RQD 100.00 % Core</p> <p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>44.13 - 45.86 PRDT, Peridotite</p> <p>Fine to medium-grained dark gray to greenish, non-magnetic, homogeneous unit. The rock is not foliated. The upper and lower contacts are sharp at 60 and 45 degrees tca, respectively.</p> <p>Locally, trace sulfide can be seen.</p>							