

DETAILED LOG

Hole Number: ES2005-18

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -81.00
Project Number: 201	North: 6801210.00	North: 61.34	Collar Az: 230.00
Location: Surface	East: 535335.80	East: 9.66	Length: 171.00 (m)
	Elev: 966.78	Elev: 966.78	Start Depth: 0.00 (m)
Date Started: Mar 04, 2005	Collar Survey: Y	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: Mar 07, 2005	Multishot Survey: N	Hole Size: TT46	Core Storage: Strand Fjellstue
Logged By: Trevor Blair	Pulse EM Survey: Y	Casing: Left in Hole, capped	Final Depth: 171.00 (m)

Comments: Purpose: Test 30m down-dip toe on mineralization intersected in hole ES2004-09 (1.74%Ni, 0.79%Cu, 0.06%Co / 14.60m (80.40-96.00m)).

Result: No mineralization intersected.

Borehole UTEM: Off-hole reponse @ 100m with conductor edge approximately 10m away from hole.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	13.10	C, Casing Mag Sus							
		13.00 - 13.01: 0.19 NT							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>Mag Sus 16.01 - 16.02: 0.00 NT</p> <p>MINOR INTERVALS: Minor Interval: 17.05 - 19.88 MD, Mafic Dike Upper and lower contacts are perpendicular to ca. See major unit for description. Minor Interval: 23 - 25.94 MD, Mafic Dike The upper and lower contacts are sharp at 70 and 65 degrees tca, respectively. See major unit for rock description.</p>							
65.40	73.31	<p>MD, Mafic Dike Fine grained, well foliated, pale green-grey, weakly magnetic, homogenous mafic dyke composed of 65-80% chlorite and 20-35% white plagioclase. This unit is unmineralized.</p> <p>The upper contact of this unit is sharp along a chilled contact (8mm halo) and the lower contact is sharp at 70 tca.</p> <p>Structure 72.05 - 72.06 : S1 First Foliation, 67 Deg to CA</p> <p>RQD 66.00 - 69.00 : 88.00 % RQD 100.00 % Core 69.00 - 72.00 : 85.00 % RQD 100.00 % Core 72.00 - 75.00 : 82.00 % RQD 100.00 % Core</p>							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD							
		123.00 - 126.00 : 90.00 % RQD 100.00 % Core							
		126.00 - 129.00 : 95.00 % RQD 100.00 % Core							
		129.00 - 132.00 : 85.00 % RQD 100.00 % Core							
		132.00 - 135.00 : 83.00 % RQD 100.00 % Core							
		135.00 - 138.00 : 81.00 % RQD 100.00 % Core							
		138.00 - 141.00 : 83.00 % RQD 100.00 % Core							
		141.00 - 144.00 : 61.00 % RQD 100.00 % Core							
		144.00 - 147.00 : 72.00 % RQD 100.00 % Core							
		147.00 - 150.00 : 74.00 % RQD 100.00 % Core							
		150.00 - 153.00 : 86.00 % RQD 100.00 % Core							
		153.00 - 156.00 : 78.00 % RQD 100.00 % Core							
		156.00 - 159.00 : 98.00 % RQD 100.00 % Core							
		159.00 - 162.00 : 100.00 % RQD 100.00 % Core							
		162.00 - 165.00 : 96.00 % RQD 100.00 % Core							
		165.00 - 168.00 : 58.00 % RQD 100.00 % Core							
		168.00 - 171.00 : 84.00 % RQD 100.00 % Core							
		MINOR INTERVALS:							
		Minor Interval:							
		99.12 - 100.57 MD, Mafic Dike							
		Upper and lower contacts are sharp at 60 and 80 degrees to the ca, respectively.							
		Structure							
		99.55 - 99.56 : S1 First Foliation, 80 Deg to CA							
		Minor Interval:							
		118.26 - 118.51 MD, Mafic Dike							
		Upper and lower contacts are sharp at 75 and 70 degrees to the ca, respectively.							
		Minor Interval:							
		120.94 - 121.27 MD, Mafic Dike							
		Upper and lower contacts are sharp but irregular.							
		Minor Interval:							
		135.89 - 137.6 MD, Mafic Dike							
		Upper and lower contacts are sharp at 75 and 60 degrees to the ca, respectively.							
		Minor Interval:							
		138.16 - 138.49 MD, Mafic Dike							
		Upper and lower contacts are sharp at 70 and 65 degrees to the ca, respectively.							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 155 - 157.8 MD, Mafic Dike Upper and lower contacts are sharp at 50 and 60 degrees to the ca, respectively. Structure 155.35 - 155.36 : S1 First Foliation, 80 Deg to CA Minor Interval: 165.7 - 167.62 MD, Mafic Dike Upper and lower contacts are both sharp at 80 degrees to the ca. Alteration 165.70 - 167.62 :HM Hematite, BN Banded, M Moderate Minor Interval: 168.8 - 169.86 MD, Mafic Dike Upper and lower contacts are sharp at 75 and 70 degrees to the ca, respectively.							