

Hole Number: ES08-156

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -80.00
Project Number: 201	North: 6803322.00	North: 61.36	Collar Az: 230.00
Location: surface	East: 534580.00	East: 9.65	Length: 67.61 (m)
	Elev: 857.00	Elev: 857.00	Start Depth: 0.00 (m)
Date Started: May 26, 2008	Collar Survey: N	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: May 27, 2008	Multishot Survey: N	Hole Size: BQ	Core Storage: tyristrand
Logged By: pmnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 67.61 (m)

Comments: Hole designed to test 50m down-dip potential of ES2005-42.

Results: No mineralization encountered besides scattered dm wide anomalous mineralization within anorthosite proximal to MD.

## Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.60	O/B, Overburden							
2.60	22.52	ANOR, Anorthosite Medium grained to coarse grained, light grey to white, moderately foliated, non-magnetic anorthosite / anorthositic gabbro. Abundant chloritized veinlets.  Minealized locally with blebby, vfg Po and trace Cpy (see mineralization tab)  Mineralization 11.75 - 12.20 : PO Pyrrhotite, BB Blebby, 2% Diss to blebby	BL00466	9.75	10.75	1.00	0.0030	0.0025	0.0005
			BL00467	10.75	11.75	1.00	0.0030	0.0025	0.0010
			BL00468	11.75	12.20	0.45	0.0030	0.0025	0.0005
			BL00469	12.20	13.20	1.00	0.0030	0.0025	0.0010
			BL00470	13.20	14.20	1.00	0.0020	0.0025	0.0010
22.52	33.50	DIA, Diabase Described in old logs as Heims Dolerite. Very similar to MD except abundant pyroxenes.  Medium grained, black to green and white, homogenous, moderately foliated, weakly to moderately magnetic dolerite composed of 40-50% plagioclase and 50-60% pyroxenes. This entire unit exhibits an ophitic texture. Chilled upper contact over 3cm. Not mineralized..  MINOR INTERVALS: Minor Interval: 26.92 - 27.58 ANOR, Anorthosite Inclusion of overlying anorthosite. Same as abovr. Quenched contacts in dolerite							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
33.50	50.86	ANOR, Anorthosite Medium grained to coarse grained, light grey to white, moderately foliated, non-magnetic anorthosite / anorthositic gabbro. Abundant chloritized veinlets.  Mineralized locally with blebby, vfg Po and trace Cpy (see mineralization tab) that is associated with large 3-10cm wide clots of pyroxenes.  From 44.70-50.06m: Anorthosite contains large, vcg grains of iridescent pyroxenes associated with 1-2% vfg blebby Po and trace Cpy. Mineralization 44.70 - 50.06 : PO Pyrrhotite, BB Blebby, 2% 1-2% vfg Po with trace specs of Cpy associated with vcg Opx. Varies from diss to cm sized blebs. Structure 36.40 - 37.12 Strongly brecciation of anorthosite with variably sized clasts of anorthosite within a vfg, black (probably pyroxene) groundmass. MINOR INTERVALS: Minor Interval: 34.94 - 35.42 UM, Ultramafic Dark green/black. Fg. Massive. Homogenous. Moderately to strongly magnetic. Not mineralized. Sharp, quenched, and moderatly brecciated contacts.	BL00471	42.70	43.70	1.00	0.0030	0.0025	0.0005
			BL00472	43.70	44.70	1.00	0.0020	0.0025	0.0005
			BL00473	44.70	46.00	1.30	0.0140	0.0120	0.0020
			BL00474	46.00	47.00	1.00	0.0070	0.0025	0.0020
			BL00475	47.00	47.80	0.80	0.0070	0.0025	0.0010
			BL00476	47.80	48.80	1.00	0.0060	0.0025	0.0010
			BL00477	48.80	49.90	1.10	0.0060	0.0025	0.0005
			BL00478	49.90	50.86	0.96	0.0040	0.0025	0.0005
50.86	55.96	DIA, Diabase Described in old logs as Heims Dolerite. Very similar to MD except abundant pyroxenes.  Medium grained, black to green and white, homogenous, moderately foliated, weakly to moderately magnetic dolerite composed of 40-50% plagioclase and 50-60% pyroxenes. This entire unit exhibits an ophitic texture. Chilled upper contact over 3cm. Not mineralized..	BL00479	50.86	51.86	1.00	0.0040	0.0080	0.0030
			BL00481	51.86	52.86	1.00	0.0060	0.0070	0.0040
55.96	67.60	ANOR, Anorthosite							
67.60	67.61	EOH, End of Hole							

## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL00466	9.75	10.75	0.0030	0.0025	0.0005
BL00467	10.75	11.75	0.0030	0.0025	0.0010
BL00468	11.75	12.20	0.0030	0.0025	0.0005
BL00469	12.20	13.20	0.0030	0.0025	0.0010
BL00470	13.20	14.20	0.0020	0.0025	0.0010
BL00471	42.70	43.70	0.0030	0.0025	0.0005
BL00472	43.70	44.70	0.0020	0.0025	0.0005

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## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL00473	44.70	46.00	0.0140	0.0120	0.0020
BL00474	46.00	47.00	0.0070	0.0025	0.0020
BL00475	47.00	47.80	0.0070	0.0025	0.0010
BL00476	47.80	48.80	0.0060	0.0025	0.0010
BL00477	48.80	49.90	0.0060	0.0025	0.0005
BL00478	49.90	50.86	0.0040	0.0025	0.0005
BL00479	50.86	51.86	0.0040	0.0080	0.0030
BL00481	51.86	52.86	0.0060	0.0070	0.0040