

DETAILED LOG

Hole Number: ES07-125

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -76.00
Project Number: 201	North: 6801147.00	North: 61.34	Collar Az: 230.00
Location: Stormyra	East: 535338.00	East: 9.66	Length: 151.71 (m)
	Elev: 977.00	Elev: 977.00	Start Depth: 0.00 (m)
Date Started: Nov 12, 2007	Collar Survey: N	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: Nov 16, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: awnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 151.71 (m)

Comments: Target: In fill drilling grid east of ES2004-09 on 11650E

Result: Hit 30% Sulphides/2.5m at 63.58m with 15% Pyrrhotite, 4% Pendlandite?, 8% Chalkopyrite and some Pyrite.

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	63.58	66.05	2.47	1.1984	0.6092	0.0384

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	10.40	O/B, Overburden							
10.40	14.30	ANOR, Anorthosite ANOR, Anorthosite white, green, purple with 85% Plagioclase and 15% Chlorite, Hematite and/or Ankerite? ROD 40%, quite broken up core 12.1-12.15 only pebbles At 12.8m there is a 1.5m mafic dyke with 75% fine grained Pyroxene and 25% fine grained Plagioclase.							
14.30	14.70	LC, Lost Core LC, Lost Core							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
14.70	32.00	ANOR, Anorthosite ANOR, Anorthosite very heterogenous Anorthosite 14.3-17.3 mottled white, grey, green Anorthosite with 65% Plagioclase and 30% moderate Chlorite alteration 17.3-18.25m mafic dyke with 85% fine grained Pyroxene and 15% fine grained Plagioclase 18.25-19.5m banded at 75CA Anorthosite, white, grey with some Chlorite alteration 19.5-32.0,m brecciated grey, purple, green (Chlorite and Epidote), quite Quartz rich Anorthosite with a few fractures at 35CA and a 15cm mafic dyke at 26.5m Structure 14.90 - 14.90 : Frct Fracture, 45 Deg to CA 15.20 - 15.20 : Frct Fracture, 50 Deg to CA 18.05 - 18.05 : Frct Fracture, 75 Deg to CA 18.60 - 18.60 : Frct Fracture, 50 Deg to CA 19.10 - 19.20 20.10 - 20.10 : Frct Fracture, 45 Deg to CA 20.70 - 20.70 : Frct Fracture, 50 Deg to CA 24.00 - 24.00 : Frct Fracture, 10 Deg to CA							
32.00	36.65	MD, Mafic Dike MD, Mafic Dyke pale green fine grained mafic dyke with about 75% fine grained Pyroxene and 25% fine grained Plagioclase. A few fractures at 35-45CA.							
36.65	44.55	ANOR, Anorthosite ANOR, Anorthosite Lensoid banded to brecciated to mottled looking grey/green Anorthosite with moderate chlorite and epidote alteration. 70% Plagioclase, 20% Epidote and Chlorite and 10% Quartz. Structure 44.35 - 44.35 : Frct Fracture, 45 Deg to CA							
44.55	49.55	MD, Mafic Dike MD, Mafic Dyke dark green for the first 2.3m, then very rusty looking. lots of oxidization due to a fault zone at 47.0-47.6m. RQD for the fault zone is 40%.							
49.55	63.58	ANOR, Anorthosite ANOR, Anorthosite Lensoid banded to mottled to brecciated looking grey/green Anorthosite with 80% Plagioclase and 20% Chlorite, Epidote and Hematite/Ankerite? (purple). Two mafic dykes: one 70cm at 49.9m and one 1.2m at 52.9m. Two to three fractures at 20CA.	PG05705	62.50	63.00	0.50	0.0060	0.0025	0.0020
			PG05706	63.00	63.58	0.58	0.0090	0.0025	0.0020

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
63.58	70.30	MD, Mafic Dike MD, Mafic Dyke First 2.5m is coarser grained Pyroxene with Biotite with semi massive Sulphides: 15% Pyrrhotite, 4% Pentlandite?, 8% Chalkopyrite and some Pyrite - all veiny disseminated to net textured. Then 35cm of Anorthosite, 50cm of typical fine grained Mafic Dyke, 25cm Anorthosite, another fine grained mafic Dyke down to 70.3m Mineralization 63.58 - 66.05 : POPNCP Pyrrhotite/Pentlandite/Chalcopyrite, NT Net-Textured, 30% 15% Pyrrhotite, 4% Pentlandite?, 8% CHalkopyrite and some Py	PG05707	63.58	64.00	0.42	0.8130	0.3500	0.0280
			PG05708	64.00	64.50	0.50	1.6930	0.8100	0.0440
			PG05709	64.50	65.00	0.50	1.1090	0.4430	0.0410
			PG05710	65.00	65.50	0.50	1.3570	0.7430	0.0470
			PG05711	65.50	66.05	0.55	0.9800	0.6540	0.0310
			PG05712	66.05	66.40	0.35	0.0350	0.0380	0.0010
			PG05713	66.40	67.00	0.60	0.0240	0.0970	0.0040
70.30	99.55	ANOR, Anorthosite ANOR, Anorthosite 80% Plagioclase, 15% Chlorite, Epidote and/or Hematite/Ankerite? and 5% Quartz. White, green, purple lensoid banded to brecciated Anorthosite with four to five fractures at 45-50CA. At 81.2m there is a 1.2m fine grained mafic dyke and a 30cm one at 82.8m.							
99.55	103.30	MD, Mafic Dike MD, Mafic Dyke Light green with fine grained Pyroxene and Plagioclase. Contacts at 85CA.							
103.30	151.70	ANOR, Anorthosite ANOR, Anorthosite 103.3-118.5m white, green, purple looking lensoid banded to brecciated looking Anorthosite with 80% Plagioclase, 17% Chlorite, Epidote and/or Hematite/Ankerite? and 3% Quartz. There are about 8 mafic dykes from 2-40cm throughout. A few fractures at 50CA. 118.5-129.15m white, gree, purple looking lensoid banded Anorthosite. At 134.5m there is a 80cm Mafic Dyke 135.3-151.7m white, green, purple more mottled and brecciated looking Anorthosite. Structure 105.40 - 105.40 : Frct Fracture, 45 Deg to CA 109.25 - 109.25 : Frct Fracture, 45 Deg to CA 110.50 - 110.50 : Frct Fracture, 45 Deg to CA 114.50 - 114.50 : Frct Fracture, 55 Deg to CA 116.40 - 116.40 : Frct Fracture, 50 Deg to CA 121.50 - 121.80 : F Fractured, 75 Deg to CA multiple fractures 126.80 - 127.00 : F Fractured, 45 Deg to CA multiple fractures at 45-75CA 138.00 - 138.00 : Frct Fracture, 45 Deg to CA 148.80 - 148.80 : Frct Fracture, 50 Deg to CA 148.90 - 148.90 : Frct Fracture, 50 Deg to CA							
151.70	151.71	EOH, End of Hole							

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Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG05705	62.50	63.00	0.0060	0.0025	0.0020
PG05706	63.00	63.58	0.0090	0.0025	0.0020
PG05707	63.58	64.00	0.8130	0.3500	0.0280
PG05708	64.00	64.50	1.6930	0.8100	0.0440
PG05709	64.50	65.00	1.1090	0.4430	0.0410
PG05710	65.00	65.50	1.3570	0.7430	0.0470
PG05711	65.50	66.05	0.9800	0.6540	0.0310
PG05712	66.05	66.40	0.0350	0.0380	0.0010
PG05713	66.40	67.00	0.0240	0.0970	0.0040