

DETAILED LOG

Hole Number: ES07-98

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -50.00
Project Number: 201	North: 6809866.00	North: 61.42	Collar Az: 140.00
Location: Surface	East: 530614.00	East: 9.57	Length: 107.01 (m)
	Elev: 1189.00	Elev: 1189.00	Start Depth: 0.00 (m)
Date Started: Sep 26, 2007	Collar Survey: N	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Oct 01, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: K Leonard	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 107.01 (m)

Comments: Testing down dip extension of Stang / Nicoline surface mineralization. This hole is a 100m step-out from Hole ES07-97.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.50	CAS, 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%
1.50	70.70	UM, Ultramafic	PG07984	69.00	69.50	0.50	0.0800	0.0060	0.0140
		dark grey in colour, medium grained, massive to weakly foliated, competent core, intruded by narrow mafic dykes, strongly magnetic, composition consists of (AN=65) and (M=35), phenocrysts of orthopyroxene, rare sulphides although evident near the lower contact.	PG07985	69.50	70.00	0.50	0.0960	0.0460	0.0130
		Mineralization	PG07986	70.00	70.50	0.50	0.2060	0.0610	0.0160
		46.62 - 50.35 : PO Pyrrhotite, DIS Disseminated, 0.5%	PG07987	70.50	71.00	0.50	0.1450	0.1080	0.0140
		69.90 - 70.70 : PO Pyrrhotite, DIS Disseminated, 2% isolated med-coarse disseminations							
		Structure							
		1.75 - 2.30							
		6.40 - 6.90							
		17.32 - 17.36							
		oxidized fractures							
		19.00 - 19.10							
		oxidized fractures							
		20.00 - 20.15							
		same as feature above							
		22.05 - 22.15							
		24.10 - 28.00							
		MINOR INTERVALS:							
		Minor Interval:							
		22.6 - 22.9 MD, Mafic Dike							
		dark greenish-grey colour, fine grained, well foliated (50deg to the LCA), nil sulphides.							
		Minor Interval:							
		26.08 - 26.78 MD, Mafic Dike							
		same as unit above from 22.60 - 22.90m, strongly fractured core							
		Minor Interval:							
		43.62 - 45.3 MD, Mafic Dike							
		same as units observed above from 22.60 - 22.90m and 26.08 - 26.78m, strongly fractured core, oxidized staining of the lower contact, nil sulphides.							
		Minor Interval:							
		69.9 - 70.7 SULF, Sulfide							
		disseminated sulphides spatially associated near the lower contact of the ultramafic unit., medium grained, isolated Po subhedra and aggregates up to 3% locally, intersected close to the same distance down hole as was observed in Hole ES07-97.							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
70.70	82.50	GAB, Gabbro grey-green in colour, foliated, medium grained, mm-scale whitish plagioclase phenocrysts - snowflake in appearance, cut by narrow lamprophyre dyke at the UMAF - GAB interface, generally competent core, rare sulphides. Structure 76.28 - 76.30 : FOL Foliated, 65 Deg to CA 79.82 - 79.83 : FOL Foliated, 78 Deg to CA 82.06 - 82.08 : FOL Foliated, 67 Deg to CA MINOR INTERVALS: Minor Interval: 70.7 - 71.8 SULF, Sulfide narrow mineralized biotiferous lamprophyre dyke at the contact between UMAF - GAB, generally isolated grains of pyrrhotite scattered throughout - 1-2%	PG07988	71.00	71.50	0.50	0.1470	0.0980	0.0120
			PG07989	71.50	72.00	0.50	0.1000	0.0480	0.0090
82.50	107.00	ANOR, Anorthosite dark grey with beige coloured segregations, compositional banding - hybrid mixture of plagioclase-rich layering and cherty anorthosite intervals, competent core, rare, local sulphides, Structure 98.10 - 98.15 : FOL Foliated, 78 Deg to CA MINOR INTERVALS: Minor Interval: 90.9 - 91.38 SULF, Sulfide narrow 0.48m section of Po and Cpy. Po occurs as isolated subhedra and f.g. masses, Cpy occurs as elongated flecks and mm-scale bands. 1-3% Po and locally 2% Cpy.	PG07990	90.40	90.90	0.50	0.0240	0.0280	0.0060
			PG07991	90.90	91.38	0.48	0.3740	0.5550	0.0220
			PG07992	91.38	91.88	0.50	0.0210	0.0250	0.0050
107.00	107.01	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07984	69.00	69.50	0.0800	0.0060	0.0140
PG07985	69.50	70.00	0.0960	0.0460	0.0130
PG07986	70.00	70.50	0.2060	0.0610	0.0160
PG07987	70.50	71.00	0.1450	0.1080	0.0140
PG07988	71.00	71.50	0.1470	0.0980	0.0120
PG07989	71.50	72.00	0.1000	0.0480	0.0090
PG07990	90.40	90.90	0.0240	0.0280	0.0060
PG07991	90.90	91.38	0.3740	0.5550	0.0220
PG07992	91.38	91.88	0.0210	0.0250	0.0050