

DETAILED LOG

Hole Number: ES07-91

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -74.10
Project Number: 201	North: 6808377.04	North: 61.41	Collar Az: 250.30
Location: Storgruva	East: 532231.55	East: 9.60	Length: 95.10 (m)
	Elev: 1236.24	Elev: 1236.24	Start Depth: 0.00 (m)
Date Started: Sep 07, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Sep 09, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: KLnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 95.10 (m)

Comments: This hole is positioned to drill down dip of Hole ES07-89 that intersected remobilized Po and Cpy sulphides (5-30%) over a core length of 14.75m hosted within ultramafic rocks.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.80	CAS, Casing							
2.80	36.00	ANOR, Anorthosite white and grey, mottled, medium to-coarse grained unit, composed of 65% An and 35% M, mafic enriched sections show constituents aligned along fracture partings and conformable to foliation, weak, irregular Fe-oxide staining along fracture faces, locally sheared and blocky sections, nil sulphides. Alteration 2.80 - 23.50 :Oxid Oxidized, F Fracture Controlled, W Weak Structure 14.05 - 14.50 14.05 - 14.50 : SHR Shear, 23 Deg to CA 16.00 - 16.10 : F Fractured, 25 Deg to CA 23.10 - 23.50							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
36.00	43.10	FLT, Fault possibly Storgruva Fault / Shear Zone, strong laminated core, sheared at 60 deg to the LCA, repetitive folding (crenulated), fold axes at 30 deg to the LCA, remobilized, cm-scale massive sulphide banding from 41 to 41.22m, limonite staining of fractures from 40.56 - 40.68 and 41.23 - 41.28m. Alteration 41.23 - 41.28 :Oxid Oxidized, F Fracture Controlled, W Weak 40.56 - 40.68 :Oxid Oxidized, F Fracture Controlled, W Weak Structure 36.00 - 43.10 : LAM Laminated, 60 Deg to CA 36.00 - 43.10 41.30 - 41.80 MINOR INTERVALS: Minor Interval: 41 - 41.22 SULF, Sulfide solid sulphide banding on the cm-scale accompanied by fracture controlled oxide staining and blocky core. Mineralization 41.00 - 41.22 : PO Pyrrhotite, Mass Massive, 20% diluted to about 8-10% over the sample interval	PG07946	40.60	41.00	0.40	0.2280	0.0640	0.0180
			PG07947	41.00	41.40	0.40	0.5200	0.1070	0.0360
			PG07948	41.40	41.80	0.40	0.0120	0.0025	0.0050
43.10	45.30	ANOR, Anorthosite isame as unit above from 2.80 - 36.00m							
45.30	45.90	LC, Lost Core lost core , diamond drill experienced a severve loss in water pressure.							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
45.90	95.00	ANOR, Anorthosite mottled, coarse grained section (An=65%) and (M=45%) from 55.1 to 63.45m and 76.12 to 78.35m, silicified overprint and nebulus texture observed from 23.50 to 36.0m and from 63.45 to 76.12m., from 77.70 to 81.70 the core is strongly broken and fractured showing moderate chlorite slickensides on fracture faces. broken, fractured core from 93.41 - 93.70m and 94.90 - 95m Alteration 77.70 - 81.70 :CHL Chlorite, F Fracture Controlled, M Moderate Structure 77.70 - 81.70 82.60 - 84.00 : FOL Foliated, 55 Deg to CA 93.10 - 93.11 : Frct Fracture, 50 Deg to CA 93.41 - 93.70 94.90 - 95.00 MINOR INTERVALS: Minor Interval: 82.21 - 82.59 GAB, Gabbro lamprophyre dyke, greenish grey, distinguished by the presence of cm-scale biotite subhedral phenocrysts, sharp lower contact at 75 deg to the LCA							
95.00	95.10	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07946	40.60	41.00	0.2280	0.0640	0.0180
PG07947	41.00	41.40	0.5200	0.1070	0.0360
PG07948	41.40	41.80	0.0120	0.0025	0.0050