

DETAILED LOG

Hole Number: ES07-79

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -71.50
Project Number: 201	North: 6805733.39	North: 61.38	Collar Az: 241.30
Location: Andreasburg	East: 535236.13	East: 9.66	Length: 110.11 (m)
	Elev: 1018.98	Elev: 1018.98	Start Depth: 0.00 (m)
Date Started: Jul 23, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Jul 25, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand farm
Logged By: ccnor	Pulse EM Survey: N	Casing: Left in Hole, capped	Final Depth: 110.11 (m)

Comments: Target: Hole targeting down dip extension of mineralization intersected in hole ES07-69 (net to stringer sulphides from 30.50 to 34.30m including 15% Po, 3% Pn, and 2% Cpy)

Result: Hole intersected pyroxenite to 40.15m followed by gabbro and anorthosite. Pyroxenite weakly mineralized near lower contact (from 38.50 to 40.15m with 2-7% stringer Po and trace CPY/PN)

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	38.50	40.15	1.65	0.5207	0.2306	0.0236

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.80	O/B, Overburden casing to 2.8m							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
2.80	40.15	PYXT, Pyroxenite (oikocrystic pyroxenite)	PG07711	37.00	38.00	1.00	0.1380	0.0220	0.0160
			PG07712	38.00	38.50	0.50	0.1560	0.0410	0.0150
			PG07713	38.50	39.00	0.50	0.2060	0.0740	0.0150
			PG07714	39.00	39.80	0.80	0.1840	0.0540	0.0130
			PG07715	39.80	40.15	0.35	1.7400	0.8580	0.0600
		Dark grey to black, strongly magnetic (up to 120 on mag sus) with magnetism increasing down hole, non conductive and weakly mineralized with tr-2 % Po. Mineralizaion concentrated near lower contact (see mineralization tab) Unit is consists of two sizes of pyroxenes including 1.0cm diameter light grey to reddish (oikocrysts) (20-30%) and smaller 0.25 cm diameter sizes (40-50%). Altered greenish cloudy olivines (10%) and pervasive serpentinite (10%) and lesser (1-5%) magnetite veinlets.							
		26.6-32.5m- core is distinctly light green-grey (bleached). greenish mica (biotite?)							
		32.5-40.15m- pervasive magnetite veinlets 55 DTCA.							
		lower contact is faulted. broken busted core from 39.80 to 40.15m pieces of fault gouuge in broken core. orientation difficult to determine (approx. 40-60 DTCA).							
		Mineralization							
		37.00 - 38.50							
		38.50 - 40.15 : PO Pyrrhotite, STR Stringers, 7%							
		5-7 net to stringer Po, trace CPY, trace PN.							
		7.50 - 9.50 : PO Pyrrhotite, DIS Disseminated, 1%							
		38.50 - 39.80 : PO Pyrrhotite, STR Stringers, 2%							
		Structure							
		8.50 - 8.50 : VN Veins, 45 Deg to CA							
		serp. vein							
		35.50 - 35.50 : VN Veins, 55 Deg to CA							
		magnetite veins							
		38.90 - 38.90 : FLT Fault, 65 Deg to CA							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
40.15	59.00	GAB, Gabbro (leucogabbro) Medium to light grey and distinctly speckled white.. Moderatley magneitic (1-15 on mag sus, avg 4), non conductive, and non mineralized (trace diss Po). Overall unit consists of 60-70% a medium grey-green fine grained assemblage of feldspar and serpentinite, 15-20% milky white feldspars that occur as 0.25cm long slightly wispy laths (snowflakes), 5-10 % pink to red altered pyroxenes? or possibly garnets, 1-3 % biotite. Lower contact sharp 55 DTCA. MINOR INTERVALS: Minor Interval: 44 - 44.7 MD, Mafic Dike Mafic dike/ shear Strongly sheared 70-80 DTCA, non mineralized. Minor Interval: 48.3 - 49.35 MD, Mafic Dike fine grained, green to black, non mineralized, lower contact 45 DTCA	PG07716	40.15	40.50	0.35	0.1760	0.1880	0.0070
			PG07717	40.50	41.50	1.00	0.1290	0.1530	0.0070
59.00	110.10	ANOR, Anorthosite (Altered Anorthosite) Light to dark grey, non magnetic (less than one on mag sus), weakly mineralized with Po stringers and diss. (less than 2%). Unit is well foliated 30-50 DTCA and is a complex mixture of white massive to mottled anorthosite and darker fine grained mafic (leucogabbro) bands. Overall unit consists of 70-80% white anorthosite, 20% dark grey green altered pyroxenes, and 10% pinkish garnets. Minor serpentinite veins throughout. Structure 63.20 - 63.20 : FOL Foliated, 45 Deg to CA 67.00 - 67.00 : FLT Fault, 60 Deg to CA 74.00 - 74.00 : FOL Foliated, 30 Deg to CA 101.75 - 101.75 : FLT Fault, 80 Deg to CA							
110.10	110.11	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07711	37.00	38.00	0.1380	0.0220	0.0160
PG07712	38.00	38.50	0.1560	0.0410	0.0150

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Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07713	38.50	39.00	0.2060	0.0740	0.0150
PG07714	39.00	39.80	0.1840	0.0540	0.0130
PG07715	39.80	40.15	1.7400	0.8580	0.0600
PG07716	40.15	40.50	0.1760	0.1880	0.0070
PG07717	40.50	41.50	0.1290	0.1530	0.0070