

Hole Number: ES07-77

Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-51.40
Project Number:	201	North:	6806198.57	North:	61.39	Collar Az:	48.70
Location:	Andreasburg	East:	535043.50	East:	9.66	Length:	133.01 (m)
		Elev:	1012.65	Elev:	1012.65	Start Depth:	0.00 (m)
Date Started:	Jul 16, 2007	Collar Survey:	Y	Plugged:	N	Contractor:	Geo Drilling A/S
Date Completed:	Jul 22, 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:	133.01 (m)

Comments: Target: Hole testing UTEM conductor and airborne EM conductor.

Result: Hole intersected pyroxenite to 16.3m followed by anorthosite and gabbro. Gabbro mineralized with 5-7% stringer Po from 42.10 to 42.70 and 43.30 to 43.90. Stringer sulphides are strongly conductive.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.85	O/B, Overburden casing to 2.85m							
2.85	16.30	PYXT, Pyroxenite Pyroxenite Dark grey to black, strongly magnetic (up to 100 on mag sus), non conductive and weakly mineralized with tr-1 % Po. Unit consists of two sizes of pyroxenes including 1.0cm diameter reddish (oikocrysts) (20-30%) and smaller 0.25 cm diameter sizes (40-50%). Altered greenish cloudy olivines (10%) and pervasive serpentinite and magnetite veinlets (10-15%). Magnetite and serpentinite veinlets define overall fabric 40-55 DTCA. Lower contact arbitrary, as there is a mixing of anorthosite (below) and pyroxenite. Lower contact 25 DTCA Structure 8.50 - 8.50 : FOL Foliated, 40 Deg to CA 11.75 - 11.75 : FOL Foliated, 40 Deg to CA 14.55 - 14.55 : FOL Foliated, 55 Deg to CA							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
16.30	42.10	ANOR, Anorthosite Anorthosite Light grey to white, non magnetic and non mineralized. Unit consists of mostly light grey to white anorthosite (80-90%), with speckled bands of pinhead sized reddish pink garnet clusters (10-15%). Minor green serp. veinlets throughout. overall unit is crudley banded with centimetric wide dark green to dark grey (more mafic) bands. Darker bands associated with increased garnet concentration. Upper contact to 20.0m is a mixture of pyroxenite and anorthosite. Lower contact defined by onset of sulphides and mixed gabbro/anorthosite "brecciated" textured rock. Mineralization 40.50 - 42.10 Structure 22.00 - 22.00 : FOL Foliated, 60 Deg to CA 25.00 - 25.00 : FOL Foliated, 75 Deg to CA 28.50 - 28.50 : FOL Foliated, 40 Deg to CA serp. vein 40.00 - 40.00 : FLT Fault, 60 Deg to CA	PG07687	40.50	41.50	1.00	0.0080	0.0090	0.0010
			PG07688	41.50	42.10	0.60	0.0070	0.0070	0.0020
42.10	56.00	GAB, Gabbro (Mixed (Brecciated) leucogabbro and Anorthosite) Light to dark grey and locally white. Weakly to moderately magnetic, weakly mineralized with 5-7% stringer to diss. Po near upper and lower contacts (see mineralization tab). Where mineralized, rock is strongly conductive. Unit is heterogenous and appears brecciated (mixture of lower leucogabbro and above anorthosite). Moderatly foliated 45 to 65 DTCA. Weak serp. veins throughout. Mineralization 42.70 - 43.30 43.90 - 45.00 42.10 - 42.70 : PO Pyrrhotite, STR Stringers, 7% diss to stringer sulphide 43.30 - 43.90 : PO Pyrrhotite, STR Stringers, 7% diss to stringer sulphide 55.90 - 56.00 : PO Pyrrhotite, STR Stringers, 7% diss to stringer sulphide Structure 46.00 - 46.00 : FOL Foliated, 65 Deg to CA 48.00 - 48.00 : FLT Fault, 40 Deg to CA 50.50 - 50.50 : VN Veins, 60 Deg to CA serp. vein	PG07689	42.10	42.70	0.60	0.0610	0.0460	0.0120
			PG07690	42.70	43.30	0.60	0.0110	0.0180	0.0040
			PG07691	43.30	43.90	0.60	0.0680	0.1690	0.0130
			PG07692	43.90	44.50	0.60	0.0560	0.0100	0.0080
			PG07693	44.50	45.00	0.50	0.0710	0.0060	0.0090

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
56.00	133.00	<p>GAB, Gabbro (leucogabbro) Medium to light grey and distinctly speckled white. weakly foliated 45-50 DTCA. moderatley magneitic (avg 1-7 on mag sus), non conductive, and non mineralized (tr diss Po). Overall unit consists of 60-70% a medium grey-to pinkish fine grained feldspar and altered pyroxenes?, 15-20% milky white feldspars that occur as 0.25cm specks. 5-10 % pink to red garnets? or altered pyroxenes?, 1-3 % biotite. moderate serpetenite alteration throughout.</p> <p>Texutre and color vary over metric intervals ranging from fine to coarsly mottled over decicentimetric intervals.</p> <p>101-112m- unit becomes distinctly coarser grained with milky white feldspars increasing in size from 0.25 cm to 0.5 to 2.0 cm. Appears brecciated/ remelted</p> <p>125-133m- coarse grained with 1.0cm altered pyroxenes</p> <p>Alteration 83.20 - 84.00 :BL Bleaching, P Pervasive, S Strong</p> <p>Structure 58.40 - 58.40 : FLT Fault, 55 Deg to CA 68.00 - 68.00 : FLT Fault, 75 Deg to CA 75.20 - 75.20 : SHR Shear, 35 Deg to CA serp. 83.20 - 83.20 : FLT Fault, 30 Deg to CA 83.40 - 83.40 : FLT Fault, 70 Deg to CA 91.00 - 91.00 : FLT Fault, 30 Deg to CA fine grained light grey fault sand/gauge 98.50 - 98.50 : FOL Foliated, 50 Deg to CA</p>							
133.00	133.01	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07687	40.50	41.50	0.0080	0.0090	0.0010
PG07688	41.50	42.10	0.0070	0.0070	0.0020
PG07689	42.10	42.70	0.0610	0.0460	0.0120
PG07690	42.70	43.30	0.0110	0.0180	0.0040
PG07691	43.30	43.90	0.0680	0.1690	0.0130
PG07692	43.90	44.50	0.0560	0.0100	0.0080
PG07693	44.50	45.00	0.0710	0.0060	0.0090