

DETAILED LOG

Hole Number: ES07-76

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -50.10
Project Number: 201	North: 6805688.99	North: 61.38	Collar Az: 47.30
Location: Andreasburg	East: 535388.92	East: 9.66	Length: 105.51 (m)
	Elev: 983.56	Elev: 983.56	Start Depth: 0.00 (m)
Date Started: Jul 14, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Jul 16, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand Farm
Logged By: ccnor	Pulse EM Survey: N	Casing: capped, left in hole	Final Depth: 105.51 (m)

Comments: Target: Hole testing UTEM anomaly (ESP_05_03) and Airborne EM anomaly.

Result: Hole intersected anorthosite to 35m followed by gabbro. Highly conductive stringer Po (1-5%) intersected from 2.6 to 5.0m and 26.0 to 27.0m. Stringer sulphides appear to explain conductor.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.40	O/B, Overburden casing to 1.4m							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
1.40	35.15	ANOR, Anorthosite (Altered Anorthosite with minor mafic dikes)	PG07669	1.40	2.00	0.60	0.0170	0.0025	0.0030
		Light grey to white, non magnetic and weakly mineralized with highly conductive, 1-10% stringer Po (see mineralization tab). Overall unit consists of 70-80% light grey to white anorthosite, 10-15% pinkish red altered garnets, 1-5% dark green/black serp veins. moderately foliated 20-60 DTCA.	PG07670	2.00	2.60	0.60	0.0100	0.0025	0.0020
		Minor mafic dikes occur throughout unit amounting to 5% overall. Dikes are associated with 1-10% stringer Po. Contacts of these dikes are gradational.	PG07671	2.60	3.70	1.10	0.0160	0.0170	0.0040
		Lower contact is sharp 45 DTCA. possibly faulted (no chill margins). 20cm wide raft/xenolith? of lower unit occurs at 33.2m	PG07672	3.70	4.50	0.80	0.0230	0.0320	0.0050
		Mineralization	PG07673	4.50	5.10	0.60	0.0200	0.0210	0.0030
		1.40 - 2.60	PG07674	5.10	5.50	0.40	0.0130	0.0160	0.0040
		3.70 - 5.10 : PO Pyrrhotite, STR Stringers, 10%	PG07675	5.50	6.50	1.00	0.0090	0.0060	0.0010
		23.50 - 25.00	PG07676	23.50	24.50	1.00	0.0100	0.0025	0.0020
		26.45 - 26.75 : PO Pyrrhotite, STR Stringers, 20%	PG07677	24.50	25.00	0.50	0.0150	0.0025	0.0040
		28.60 - 29.00 : PO Pyrrhotite, STR Stringers, 3%	PG07678	25.00	25.80	0.80	0.0220	0.0480	0.0030
		2.60 - 3.70 : PO Pyrrhotite, STR Stringers, 3%	PG07679	25.80	26.45	0.65	0.0210	0.0140	0.0070
		5.10 - 6.50	PG07681	26.45	26.75	0.30	0.0270	0.0280	0.0080
		25.00 - 26.45 : PO Pyrrhotite, STR Stringers, 3%	PG07682	26.75	28.00	1.25	0.0110	0.0025	0.0010
		26.75 - 28.60	PG07683	28.00	28.60	0.60	0.0140	0.0060	0.0050
		29.00 - 30.50	PG07684	28.60	29.00	0.40	0.0300	0.0170	0.0080
		Structure	PG07685	29.00	29.50	0.50	0.0120	0.0025	0.0020
		2.00 - 2.00 : FOL Foliated, 35 Deg to CA	PG07686	29.50	30.50	1.00	0.0100	0.0025	0.0030
		3.60 - 3.60 : FLT Fault, 20 Deg to CA							
		15.50 - 15.50 : FOL Foliated, 25 Deg to CA							
		23.20 - 23.20 : FOL Foliated, 60 Deg to CA							
		MINOR INTERVALS:							
		Minor Interval:							
		2.6 - 5.1 MD, Mafic Dike							
		Minor Interval:							
		12.05 - 12.25 MD, Mafic Dike							
		Minor Interval:							
		25.8 - 26.75 MD, Mafic Dike							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
35.15	105.50	<p>GAB, Gabbro (Leucogabbro) Medium to dark grey and distinctly speckled white to weakly foliated 45 DTCA, moderatley magneitic (1-7 on mag sus), non conductive, and non mineralized (tr diss Po over metric intervals). 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 specks. 5-10 % pink to red altered pyroxenes? or possibly garnets, 1-3 % biotite.</p> <p>Texture and color vary over metric intervals ranging from fine to coarsly mottled.</p> <p>Where weakly mineralized with trace Po, appears to become more mafic (darker) and finer grained. Possibly remnant dikes?</p> <p>Structure 57.30 - 57.30 : FOL Foliated, 45 Deg to CA 70.25 - 70.25 : FOL Foliated, 40 Deg to CA 83.00 - 83.00 : FOL Foliated, 50 Deg to CA</p> <p>MINOR INTERVALS: Minor Interval: 68.6 - 69.9 MD, Mafic Dike black, fine grained, appears sheared/ strongly foliated 35 DTCA. non mineralized.</p>							
105.50	105.51	EOH, End of Hole							

Samples

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Sample Type	ASSAY				
PG07669	1.40	2.00	0.0170	0.0025	0.0030
PG07670	2.00	2.60	0.0100	0.0025	0.0020
PG07671	2.60	3.70	0.0160	0.0170	0.0040
PG07672	3.70	4.50	0.0230	0.0320	0.0050
PG07673	4.50	5.10	0.0200	0.0210	0.0030
PG07674	5.10	5.50	0.0130	0.0160	0.0040
PG07675	5.50	6.50	0.0090	0.0060	0.0010
PG07676	23.50	24.50	0.0100	0.0025	0.0020
PG07677	24.50	25.00	0.0150	0.0025	0.0040
PG07678	25.00	25.80	0.0220	0.0480	0.0030
PG07679	25.80	26.45	0.0210	0.0140	0.0070
PG07681	26.45	26.75	0.0270	0.0280	0.0080
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PG07683	28.00	28.60	0.0140	0.0060	0.0050
PG07684	28.60	29.00	0.0300	0.0170	0.0080
PG07685	29.00	29.50	0.0120	0.0025	0.0020
PG07686	29.50	30.50	0.0100	0.0025	0.0030