

Hole Number: ES07-58

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -53.00
Project Number: 201	North: 6801352.39	North: 61.34	Collar Az: 226.60
Location: Stormyra	East: 535036.16	East: 9.65	Length: 125.31 (m)
	Elev: 986.12	Elev: 986.12	Start Depth: 0.00 (m)
Date Started: Apr 19, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Apr 22, 2007	Multishot Survey: N	Hole Size: TT46	Final Depth: 125.31 (m)
Logged By: ccnor	Pulse EM Survey: N	Casing: left in hole, capped	Core Storage: Schinnes Farm - Tyrstrand

Comments: Target: Test down dip of ES2005-23 (2.28%Ni, 0.86%Cu, 0.06% Co/0.5m)

Result: Hole intersected massive sulphide from 47.10-47.53 (0.43m). Massive sulphide consisted of 90% PO, 3% PN, and 2% CPY.

Casing not anchored, Dummy Probe in Hole.

## Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	47.10	50.90	3.80	0.9077	0.2197	0.0318
WEIGHTED	47.10	55.90	8.80	0.4972	0.1345	0.0204

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	4.11	O/B, Overburden							
4.11	18.48	ANOR, Anorthosite (Altered Anorthosite) Creamy white to pale grey-green, non magnetic (avg 0.3 on mag sus), non mineralized and non conductive. Unit consists of dominantly plagioclase feldspar (75%) with an alteration mineral assemblage consisting of chlorite, sericite, minor hematite and fuchsite? (20%), and minor quartz ribbons (5%). Well foliated 65-75 DTCA. lower contact relatively sharp 50 DTCA.  11.00 - 14.00 HM, ST, W Structure 5.75 - 5.75 : FOL Foliated, 75 Deg to CA 11.10 - 11.10 : FOL Foliated, 70 Deg to CA 14.28 - 14.28 : FOL Foliated, 65 Deg to CA 18.48 - 18.48 : LC Lower Contact, 50 Deg to CA							
18.48	28.80	MD, Mafic Dike Unit is med grey-green, fine grained, homogenous, non magnetic (avg 0.6 on mag sus), non mineralized/conductive. Upper contact 50 DTCA, Lower contact 90 DTCA. Weakly foliated.							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
28.80	47.10	ANOR, Anorthosite (Altered Anorthosite) Creamy white to pale grey-green, non magnetic (avg 0.3 on mag sus), overall non mineralized with the exception of trace to 0.5 % PO/PN? stringers over decicentametric intervals (see mineralization). Sulphide correlates well with intervals where anothosite becomes slightly darker and more mafic. Overall non conductive as sulphide stringers are discontinuous. Unit consists of domanitly plagioclase feldspar (75%) with an alteration minearal assemblage consisting of chlorite, sericite, minor fuchsite? (20%), and minor quartz ribbons (5%). Well foliated 50-75 DTCA. lower contact with massive sulphide is sharp 55 DTCA.  Mineralization 40.00 - 40.10 : POPN Pyrrhotit/Pentlandite, STR Stringers, 0.5% 0.25 cm wide sulphide veinlet 35.00 - 36.00 : POPN Pyrrhotit/Pentlandite, STR Stringers, 0.5% discontinuous stringers appears remoblized 43.50 - 43.60 : PO Pyrrhotite, DIS Disseminated, 0.25%  Structure 32.90 - 32.90 : FOL Foliated, 50 Deg to CA 36.10 - 36.10 : FOL Foliated, 75 Deg to CA	PG07017	45.10	46.60	1.50	0.0005	0.0025	0.0010
			PG07018	46.60	47.10	0.50	0.1290	0.2610	0.0040
47.10	47.53	MS, Massive Sulphide (Massive Sulphide) Consists of 90 % Po, 5% wall rock fragments (mafic), 3% Pn, and 2% CPY. Upper contact is sharp 55 DTCA, lower contact relatively sharp 85 DTCA.  Mineralization 47.10 - 47.53 : POPN Pyrrhotit/Pentlandite, Mass Massive, 95% see unit description for sulphide percentages	PG07019	47.10	47.53	0.43	6.0770	1.4700	0.1840

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
47.53	60.48	MD, Mafic Dike	PG07022	47.53	48.03	0.50	0.0060	0.0130	0.0040
		Unit is med grey-green, fine grained, overall non magnetic (avg 0.6 on mag sus), locally mineralized with PO/PN/CPY veinlets (see mineralization) and moderately to strongly magnetic and conductive where mineralized. Unit similar to overlying mafic dike. minor intervals of anorthosite near lower contact (see minor units)	PG07023	48.03	49.50	1.47	0.0050	0.0100	0.0040
		Lower contact relatively sharp 85-90 DTCA. 90 DTCA. Weakly foliated 55-75 DTCA.	PG07024	49.50	50.00	0.50	0.1780	0.0880	0.0110
		Mineralization	PG07025	50.00	50.50	0.50	0.0170	0.0100	0.0050
		47.53 - 48.03 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 0.25%	PG07026	50.50	50.90	0.40	1.8210	0.3310	0.0650
		50.50 - 50.90 : POPN Pyrrhotit/Pentlandite, STR Stringers, 6.5% PO 5%, CPY 1%, PN 0.5%	PG07027	50.90	51.20	0.30	0.0320	0.0110	0.0050
		51.50 - 52.00 : PO Pyrrhotite, STR Stringers, 0.25%	PG07028	51.20	51.50	0.30	0.5630	0.3960	0.0220
		55.90 - 56.50 : PO Pyrrhotite, STR Stringers, 0.25%	PG07029	51.50	52.00	0.50	0.0530	0.0150	0.0040
		49.50 - 50.00 : PO Pyrrhotite, STR Stringers, 0.5% PO/CPY/PN?	PG07030	52.00	52.50	0.50	0.0220	0.0140	0.0050
		51.20 - 51.50 : POPN Pyrrhotit/Pentlandite, STR Stringers, 4.5% PO 3%, CPY 1%, PN 0.5%	PG07031	52.50	54.00	1.50	0.0080	0.0150	0.0040
		55.60 - 55.90 : POPN Pyrrhotit/Pentlandite, STR Stringers, 6.5% PO 5%, PN 1%, CPY 0.5%	PG07032	54.00	55.30	1.30	0.0070	0.0140	0.0050
		56.50 - 57.00 : POPN Pyrrhotit/Pentlandite, VN Veins, 0.25% one 1.0cm wide sulphide vein	PG07033	55.30	55.60	0.30	0.0400	0.0650	0.0030
		MINOR INTERVALS:	PG07034	55.60	55.90	0.30	2.2550	0.5080	0.1080
		Minor Interval:	PG07035	55.90	56.50	0.60	0.0370	0.0710	0.0050
		55.3 - 55.6 ANOR, Anorthosite	PG07036	56.50	57.00	0.50	0.2060	0.0270	0.0100
		Minor Interval:							
		58.75 - 59.2 ANOR, Anorthosite							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
60.48	125.30	<p>ANOR, Anorthosite (Altered Anorthosite) Creamy white to pale grey-green, non magnetic (avg 0.3 on mag sus), non mineralized, non conductive. Unit consists of dominantly plagioclase feldspar (75%) with an alteration mineral assemblage consisting of chlorite, sericite, minor fuchsite? (20%), and minor quartz ribbons (5%). Minor decicentrimetric mafic dikes (less than 3 % overall) and centimetric intervals highly serpentized and talcose altered U.M. dikes (less than 1% overall) mafic dikes are weakly mineralized with trace PO. Well foliated 60-90 DTCA.</p> <p>Alteration</p> <p>60.48-73.50 strong chlorite/sericite alteration (overall distinct "zebra" texture as a result of pervasive veining) 73.50-75.00 moderate epidote alteration. 81.50-82.00 weak fuchsite veining .</p> <p>Structure</p> <p>69.20 - 69.20 : FLT Fault, 65 Deg to CA talc along fracture 73.50 - 75.00 : SHR Shear, 85 Deg to CA strong shearing, mylonitic 76.50 - 76.50 : FOL Foliated, 60 Deg to CA 80.25 - 80.25 : FOL Foliated, 55 Deg to CA 84.50 - 84.50 : FOL Foliated, 65 Deg to CA 93.00 - 93.00 : FOL Foliated, 60 Deg to CA</p> <p>MINOR INTERVALS:</p> <p>Minor Interval: 67.05 - 67.27 MD, Mafic Dike Minor Interval: 67.86 - 68.13 MD, Mafic Dike Minor Interval: 71.29 - 71.56 MD, Mafic Dike Minor Interval: 78.1 - 78.3 UM, Ultramafic fine grained, black, serp-talc altered. irregular contacts subparallel CA Minor Interval: 91.8 - 92.25 MD, Mafic Dike light green, fine grained and trace PO. Minor Interval: 92.95 - 93 UM, Ultramafic reddish green, 90 % serp. Minor Interval: 93.25 - 93.3 UM, Ultramafic reddish green, 90 % serp.</p>							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 101.8 - 104.87 MD, Mafic Dike mafic sweats/banding intermixed with anorthosite. Overall a mixture of 70% mafics and 30% anorthosite. sharp lower contact at 70 DTCA. Minor Interval: 107.4 - 108.7 MD, Mafic Dike green-grey, well foliated 55-60 DTCA. non mineralized.							
125.30	125.31	EOH, End of Hole							

## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07017	45.10	46.60	0.0005	0.0025	0.0010
PG07018	46.60	47.10	0.1290	0.2610	0.0040
PG07019	47.10	47.53	6.0770	1.4700	0.1840
PG07022	47.53	48.03	0.0060	0.0130	0.0040
PG07023	48.03	49.50	0.0050	0.0100	0.0040
PG07024	49.50	50.00	0.1780	0.0880	0.0110
PG07025	50.00	50.50	0.0170	0.0100	0.0050
PG07026	50.50	50.90	1.8210	0.3310	0.0650
PG07027	50.90	51.20	0.0320	0.0110	0.0050
PG07028	51.20	51.50	0.5630	0.3960	0.0220
PG07029	51.50	52.00	0.0530	0.0150	0.0040
PG07030	52.00	52.50	0.0220	0.0140	0.0050
PG07031	52.50	54.00	0.0080	0.0150	0.0040
PG07032	54.00	55.30	0.0070	0.0140	0.0050
PG07033	55.30	55.60	0.0400	0.0650	0.0030
PG07034	55.60	55.90	2.2550	0.5080	0.1080
PG07035	55.90	56.50	0.0370	0.0710	0.0050
PG07036	56.50	57.00	0.2060	0.0270	0.0100