

Hole Number: ES07-115

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -50.00
Project Number: 201	North: 6801274.00	North: 61.34	Collar Az: 230.00
Location: Stormyra	East: 535178.00	East: 9.66	Length: 107.67 (m)
	Elev: 974.00	Elev: 974.00	Start Depth: 0.00 (m)
Date Started: Oct 17, 2007	Collar Survey: N	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: Oct 18, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: rdnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 107.67 (m)

Comments: Target: Mid level depth of grade thickness contour on section 11450E.

5 Zones of mineralization
 61.04-61.50 35% Sulphs.
 20% Po
 10% Cpy
 5% Pn

62.00-62.30 50% Semi-Massive Sulphs.
 70% Po
 30% Pn

63.30-63.60 15% Sulphs.
 70% Pn
 25% Po
 5% Cpy

66.20-66.70 40% Sulphs
 50% Cpy
 20% Pn
 30% Po

68.30-68.60 15% Sulphs.
 40% Pn
 40% Po
 20% Cpy

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	60.62	62.30	1.68	1.6153	0.5651	0.0593
WEIGHTED	60.62	68.60	7.98	0.6380	0.4010	0.0280
WEIGHTED	66.20	68.60	2.40	0.7360	0.6977	0.0310

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	4.78	O/B, Overburden							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
4.78	8.62	MD, Mafic Dyke Mafic Dyke. pale green to dark green fg gabbroic dyke. Massive and homogenous with very few felsic bands. Weak to no foliation. Competent. Paling in colour towards chill margin. Grading lower contact. No Sulphides.							
8.62	10.65	ANOR, Anorthosite Anorthosite. White to green highly altered and intruded anortho. Med. to fine grained with bands of gabbroic dyke intruding. No Sulphides.							
10.65	17.73	MD, Mafic Dyke Mafic Dyke Green fg gabbroic dyke. Very homogenous and competent. Weak foliation. Trace amounts of disseminated sulphides.	PG05568	14.00	15.00	1.00	0.0025	0.0100	0.0040
			PG05569	15.00	16.00	1.00	0.0025	0.0080	0.0040
			PG05570	16.00	17.00	1.00	0.0025	0.0090	0.0040
17.73	41.07	ANOR, Anorthosite Anorthosite White to dark grey med. grained impure anorthosite with alternating compositional banding on the cm scale. Heavily brecciated and sheared. Several small bands of mafic to ultramafic rock between plag layers. Heavy alteration, chlorite. Banding distorted to mottled texture. No mineralization. Texture 17.73 - 41.07 : BX Brecciated Alteration 17.73 - 41.07 :CHL Chlorite, MO Mottled, M Moderate							
41.07	44.41	MD, Mafic Dyke Mafic Dyke Pale green to grey. Fg. Homogenous. Sharp upper and lower contacts. Gabbroic composition.							
44.41	52.94	ANOR, Anorthosite Anorthosite White to pale grey, varying grain size. Mostly plag. with alteration and mafic bands which have been distorted. Mottled to breccia-like texture. Texture 44.41 - 52.94 : BX Brecciated Alteration 44.41 - 52.94 :CHL Chlorite, BN Banded, W Weak Structure 44.41 - 52.94							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
61.91	79.66	ANOR, Anorthosite	PG05576	62.00	62.30	0.30	2.7900	0.6310	0.1410
		Anorthosite	PG05577	62.30	63.00	0.70	0.0850	0.0680	0.0060
		White to Green to Grey/Black. coarse grained. Very altered and intruded with textures ranging from mottled to compositionally banded. Several zones of mineralization. 62.00-63.30 50% Sulphides 70% Po 30% Pn Both semi-massive	PG05578	63.00	63.30	0.30	0.7130	0.8440	0.0820
		Mineralization	PG05579	63.30	63.80	0.50	0.0810	0.1120	0.0050
		61.91 - 79.66 : PN Pentlandite, SM Semi-Massive, 30% found in eyes within Po	PG05581	63.80	64.60	0.80	0.0560	0.0610	0.0040
		61.91 - 79.66 : PO Pyrrhotite, Mass Massive, 70%	PG05582	64.60	65.40	0.80	0.1020	0.0550	0.0090
		MINOR INTERVALS:	PG05583	65.40	66.20	0.80	0.2140	0.1580	0.0100
		Minor Interval:	PG05584	66.20	66.70	0.50	2.1100	2.6800	0.0780
		62 - 62.3 SMS, Semi Massive Sulphide	PG05585	66.70	67.20	0.50	0.5670	0.2030	0.0150
		Semi-Massive Sulphides	PG05586	67.20	68.30	1.10	0.0480	0.1120	0.0060
		50% Semi-massive sulphides. 70% Po 30% Pn. Approaching massive structure. Pn eyes within a mass of Po.	PG05587	68.30	68.60	0.30	1.2500	0.3660	0.0710
		Mineralization	PG05588	68.60	69.11	0.51	0.0110	0.0080	0.0020
		62.00 - 62.30 : PN Pentlandite, E Eyes, 30%	PG05589	69.11	70.09	0.98	0.0070	0.0025	0.0010
		62.00 - 62.30 : PO Pyrrhotite, Mass Massive, 70%							
		Minor Interval:							
		63 - 63.3 SULF, Sulfide							
		Sulphides.							
		15% Sulphides. 70% Pn patchy/blebby 25% Po Veiny 5% Cpy Veiny, limited to fractures. Pn forms 1-3mm blebs.							
		Mineralization							
		63.00 - 63.30 : PO Pyrrhotite, VN Veins, 25%							
		63.00 - 63.30 : Cpy Chalcopyrite, F Fracture Controlled, 5%							
		63.00 - 63.30 : PN Pentlandite, PAT Patchy, 70%							
		Minor Interval:							
		66.2 - 66.7 SMS, Semi Massive Sulphide							
		Semi-Massive Sulphides							
		40% Sulphides							
		50% Cpy in patches/blebs 20% Pn blebs. 30% interstitial Po. Hosted within a small mafic dyke.							
		Mineralization							
		66.20 - 66.70 : PO Pyrrhotite, F Fracture Controlled, 30%							
		66.20 - 66.70 : Cpy Chalcopyrite, BL Blebby, 50% patches/blebs							
		66.20 - 66.70 : PN Pentlandite, EY Eyes, 20%							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 68.3 - 68.6 SULF, Sulfide Sulphides 15% Sulphides 40% Pn fracture filling 40% Po Fracture filling 20% Cpy veiny hosted in fragment of mafic dyke. Mafic minerals comprise interstitial minerals Mineralization 68.30 - 68.60 : PO Pyrrhotite, FF Fracture Filling, 40% 68.30 - 68.60 : Cpy Chalcopyrite, VN Veins, 20% 68.30 - 68.60 : PN Pentlandite, FF Fracture Filling, 40%							
79.66	84.50	MD, Mafic Dike Mafic Dyke Pale green to grey gabbroic mafic dyke. fg. weakly foliated. Homogenous and competent. Sharp upper and lower contact. No Sulphides.							
84.50	107.66	ANOR, Anorthosite Anorthosite White to dark grey med. grained impure anorthosite with strong compositional banding. Alternating mafic and felsic bands on the mm scale. Chlorite alteration with small mafic dykes cutting. No Sulphides. Texture 84.50 - 101.80 : HETR Heterogeneous Alteration 84.50 - 101.80 :CHL Chlorite, BN Banded, M Moderate							
107.66	107.67	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG05568	14.00	15.00	0.0025	0.0100	0.0040
PG05569	15.00	16.00	0.0025	0.0080	0.0040
PG05570	16.00	17.00	0.0025	0.0090	0.0040
PG05571	58.94	60.04	0.0025	0.0070	0.0040
PG05572	60.04	60.62	0.0050	0.0320	0.0050
PG05573	60.62	61.00	0.8070	0.2210	0.0300
PG05574	61.00	61.50	1.8050	0.6680	0.0500
PG05575	61.50	62.00	1.3350	0.6840	0.0420
PG05576	62.00	62.30	2.7900	0.6310	0.1410
PG05577	62.30	63.00	0.0850	0.0680	0.0060

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PG05579	63.30	63.80	0.0810	0.1120	0.0050
PG05581	63.80	64.60	0.0560	0.0610	0.0040
PG05582	64.60	65.40	0.1020	0.0550	0.0090
PG05583	65.40	66.20	0.2140	0.1580	0.0100
PG05584	66.20	66.70	2.1100	2.6800	0.0780
PG05585	66.70	67.20	0.5670	0.2030	0.0150
PG05586	67.20	68.30	0.0480	0.1120	0.0060
PG05587	68.30	68.60	1.2500	0.3660	0.0710
PG05588	68.60	69.11	0.0110	0.0080	0.0020
PG05589	69.11	70.09	0.0070	0.0025	0.0010