

Hole Number: ES07-111

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -50.00
Project Number: 201	North: 6801311.00	North: 61.34	Collar Az: 230.00
Location: Stormyra	East: 535066.00	East: 9.66	Length: 65.67 (m)
	Elev: 989.50	Elev: 989.50	Start Depth: 0.00 (m)
Date Started: Oct 12, 2007	Collar Survey: N	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed:	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: rdnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 65.67 (m)

Comments:

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.68	O/B, Overburden Over Burdern							
2.68	23.30	ANOR, Anorthosite Impure Anorthosite Varying colour from white to dark green and black. Fine to coarse grained depending on mineralogy. Dominant mineralogy is plagioclase with abundant chlorite alteration and intermittent quartz. Mafic dyke stringers intruding main lithology. Primary texture very distorted due to shearing, no foliation or compositional banding. Rusty alteration along fracture surfaces common. Mafic minerals interstitial to plagioclase. Texture 2.68 - 23.30 : HETR Heterogeneous Alteration 2.68 - 23.30 :CHL Chlorite, H Patchy, M Moderate 2.68 - 23.30 :Oxid Oxidized, F Fracture Controlled, M Moderate							
23.30	28.34	MD, Mafic Dyke Mafic Dyke Sharp upper and lower contacts. Green to dark green. Fine grained. Very thinly foliated with felsic minerals interstitial to pyroxenes. Rusty alteration along fracture surfaces. Mostly homogenous except for patches of plag. Sulphides at 27.40 to 27.50, very thin (1-2mm) bands following weak foliation. Within 12cm, 5% sulphides 3% Po 2% Cpy. Also at 28.09-28.22 very thin 1-2mm bands following weak foliation. Within 11 cm, 10% sulphides 7% Po 3% Cpy, slightly vuggy texture. Texture 23.30 - 28.22 : HOMO Homogeneous Mineralization 27.40 - 27.50 : PO Pyrrhotite, VN Veins, 3% 27.40 - 27.50 : Cpy Chalcopyrite, DIS Disseminated, 2% Structure 23.30 - 28.22	PG05511	25.81	26.81	1.00	0.0080	0.0070	0.0070
			PG05512	26.81	27.28	0.47	0.0090	0.0080	0.0060
			PG05513	27.28	27.58	0.30	0.1460	0.1290	0.0100
			PG05514	27.58	28.04	0.46	0.0070	0.0080	0.0060
			PG05515	28.04	28.34	0.30	0.7890	0.2140	0.0330

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
28.34	58.83	ANOR, Anorthosite Impure Anorthosite Ranging from white to dark green, fine to coarse grained. Much of the rock alternates from mafic minerals to plagioclase on the mm to cm scale. 10-15cm portions are black, entire unit is compositionally banded. Moderate foliation visible where not sheared beyond recognition. Vitrous semi-linear quartz phases. Faulted from 46.70 to 47.14, fragmented. 15-20% mafic content. Large 3-4cm blocks of plagioclase.	PG05516	28.34	28.82	0.48	0.0080	0.0050	0.0020
			PG05517	28.82	29.81	0.99	0.0160	0.0050	0.0030
58.83	65.66	MD, Mafic Dyke Mafic Dyke Fine grained light green to dark green gabbroic dyke. Sharp upper contact. Weakly foliated with 1-3mm bands of plagioclase. No visible sulphides. Fairly homogenous and competent.							
65.66	65.67	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG05511	25.81	26.81	0.0080	0.0070	0.0070
PG05512	26.81	27.28	0.0090	0.0080	0.0060
PG05513	27.28	27.58	0.1460	0.1290	0.0100
PG05514	27.58	28.04	0.0070	0.0080	0.0060
PG05515	28.04	28.34	0.7890	0.2140	0.0330
PG05516	28.34	28.82	0.0080	0.0050	0.0020
PG05517	28.82	29.81	0.0160	0.0050	0.0030