

Hole Number: ES07-88

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -90.00
Project Number: 201	North: 6808334.87	North: 61.41	Collar Az: 360.00
Location: Storgruva	East: 532201.81	East: 9.60	Length: 97.11 (m)
	Elev: 1228.50	Elev: 1228.50	Start Depth: 0.00 (m)
Date Started: Aug 27, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Aug 30, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: KLnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 97.11 (m)

Comments: Testing Storgruva target at a depth of 50m below surface.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.80	CAS, Casing							
1.80	46.27	UM, Ultramafic Dark grey to black in colour, fine grained, altered phenocrysts of orthopyroxene - some showing internal fracturing and ragged grain boundaries, intensely fractures from 1.8 to 20.75m, becoming more competent below 21m, foliated at 63 deg to the LCA., strongly magnetic, nil sulphides. Structure 2.40 - 12.27 16.10 - 16.40 19.30 - 19.90 20.50 - 20.75 44.50 - 46.27 : SHR Shear, 90 Deg to CA							
46.27	52.13	GAB, Gabbro sheared gabbro though likely a lamprophyre dyke, green in colour, porphyritic, distinguished by brownish mm-sized retrograde biotite phenocrysts, minor carbonate alteration as stringers and patches, locally fractured, sharp lower contact at 84 deg to the LCA Alteration 46.27 - 52.13 :BIO Biotite, SP Spotted, M Moderate 46.27 - 52.13 :Carb Carbonate, F Fracture Controlled, W Weak 46.27 - 52.13 :CHL Chlorite, SP Spotted, M Moderate Structure 47.70 - 48.13	PG07888	51.60	52.00	0.40	0.0380	0.0310	0.0050
			PG07889	52.00	52.30	0.30	0.0170	0.0100	0.0020

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
52.13	59.55	ANOR, Anorthosite light grey, medium grained unit, consists of 75% plagioclase, orthopyroxene, clinopyroxene and 25% amphibole, quartz and biotite, mafic minerals form aggregates, locally sheared and mineralized with Po and Cpy from 52.4 to 52.70m., up to 10-15% over a narrow interval . pervasively foliated at 60-65 deg to the LCA, locally well deformed foliation. broken lower contact from 59.29 to 59.55m, tr sulphides Mineralization 52.20 - 52.70 : Cpy Chalcopyrite, DIS Disseminated, 0.5% 52.20 - 52.70 : PO Pyrrhotite, PAT Patchy, 7% Structure 59.29 - 59.55	PG07890	52.30	52.70	0.40	0.1500	0.1810	0.0090
			PG07891	52.70	53.25	0.55	0.0150	0.0025	0.0010
59.55	71.30	UM, Ultramafic same as unit observed above from 1.8 to 46.27m, strongly magnetic. Structure 64.55 - 65.00 65.20 - 65.80 67.75 - 67.82 69.03 - 71.22							
71.30	97.10	ANOR, Anorthosite same as units observed above from 1.8 to 46.27m and 52.13 to 59.55m. Structure 72.10 - 72.40 : FOL Foliated, 55 Deg to CA 73.69 - 74.00 : FOL Foliated, 54 Deg to CA 80.20 - 80.32 : FOL Foliated, 60 Deg to CA 95.20 - 96.16 : FOL Foliated, 75 Deg to CA							
97.10	97.11	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07888	51.60	52.00	0.0380	0.0310	0.0050
PG07889	52.00	52.30	0.0170	0.0100	0.0020
PG07890	52.30	52.70	0.1500	0.1810	0.0090
PG07891	52.70	53.25	0.0150	0.0025	0.0010