

Hole Number: ES07-84

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -90.00
Project Number: 201	North: 6808282.91	North: 61.41	Collar Az: 360.00
Location: Storgruva	East: 532284.32	East: 9.60	Length: 78.71 (m)
	Elev: 1229.07	Elev: 1229.07	Start Depth: 0.00 (m)
Date Started: Aug 20, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Aug 22, 2007	Multishot Survey: N	Hole Size: BQ	Final Depth: 78.71 (m)
Logged By: klnor	Pulse EM Survey: N	Casing: Left in Hole, capped	Core Storage: Tyrstrand

Comments: Testing Storgruva deposit at a shallow depth below mine workings. Collar positioned about 20m from entrance to stoped workings.

## Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.50	CAS, Casing							
1.50	2.00	GAB, Gabbro grey in colour, very badly broken core, limonitic fracture faces, nil sulphides							
2.00	4.10	ANOR, Anorthosite pinish white in colour, chalky feldspars, strongly sheared, badly broken core Structure 2.00 - 4.10 2.00 - 4.10 : SHR Shear, 38 Deg to CA							
4.10	11.30	GAB, Gabbro grey in colour, abundant very fine-grained feldspar phenocrysts - snowflake variety, strongly broken/blocky core from 4.10 to 4.50m and 5.60 to 5.80m, limonite stained fracture faces, foliated at 45 deg to the LCA, nil sulphides Mineralization 8.98 - 9.70 : PO Pyrrhotite, BB Blebby, 5% 9.50 - 9.60 : PO Pyrrhotite, SM Semi-Massive, 20% 8.98 - 9.70 : PO Pyrrhotite, DIS Disseminated, 5%	PG07855	8.60	9.00	0.40	0.0025	0.0025	0.0070
			PG07856	9.00	9.65	0.65	0.0025	0.0050	0.0080
			PG07857	9.65	10.14	0.49	0.0180	0.0090	0.0090
11.30	15.97	ANOR, Anorthosite variably coloured, laminated modified by irregular knots and gashes of quartzofelspathic material, conspicuous microfolding and crenulations, strongly sheared fabric at 37 deg to the LCA, locally broken core, nil sulphides Texture 11.30 - 15.97 : Mtl Mottled Structure 13.30 - 13.60 : F Fractured, 35 Deg to CA							
15.97	17.60	MD, Mafic Dike dark greenish grey in colour, fine grained, pervasively sheared, well fractured with accompanying limonite stained fractures, trace sulphides Texture 16.45 - 16.70 : BC Broken Core							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
17.60	20.00	ANOR, Anorthosite light grey-green with pale yellow staining, laminated - finely banded, pervasively foliated at 40 to 45 deg to the LCA, strongly sheared, locally deformed lamellae,							
20.00	24.60	GAB, Gabbro grey-green in colour, pervasively sheared at 20 deg to the LCA, evidence of small scale z-folds, locally mineralized with Po and tr Cpy Mineralization 24.13 - 24.60 : PO Pyrrhotite, SM Semi-Massive, 10% Structure 20.00 - 24.60 : SHR Shear, 20 Deg to CA	PG07858	23.00	24.00	1.00	0.0080	0.0050	0.0050
			PG07859	24.00	24.60	0.60	0.3770	0.2330	0.0240
24.60	78.70	ANOR, Anorthosite variable grey-beige in colour, sheared near the contact with gabbro from 24.60 to 26.00m, core becomes more foliated to massive and silicified below 26.00m, generally competent core, nil sulphides Alteration 71.05 - 72.94 :MAG Magnetite, H Patchy, M Moderate magnetic susceptibility reading of 6.98 68.80 - 68.94 :MAG Magnetite, H Patchy, M Moderate same as alteration above from 66.95 to 67.15m 66.95 - 67.15 :MAG Magnetite, H Patchy, M Moderate brown patches with strong magnetic attraction 63.25 - 65.40 :CHL Chlorite, PCH Patchy, M Moderate dark green flecks 48.90 - 50.00 :BIO Biotite, SP Spotted, M Moderate 37.00 - 38.98 :CHL Chlorite, SP Spotted, M Moderate same as above 37.00 - 38.98 :BIO Biotite, SP Spotted, M Moderate large cm-sized anhedral Structure 24.60 - 26.00 : SHR Shear, 32 Deg to CA 29.00 - 29.10 : FLT Fault, 20 Deg to CA talcose 36.60 - 36.70 : FOL Foliated, 53 Deg to CA 36.80 - 37.00 sand seam, broken talcose fragments 39.70 - 39.80 : FOL Foliated, 47 Deg to CA 41.70 - 41.96 : FOL Foliated, 56 Deg to CA 44.70 - 44.96 : FOL Foliated, 57 Deg to CA 73.40 - 73.65 : FOL Foliated, 60 Deg to CA	PG07861	24.60	25.00	0.40	0.0130	0.0080	0.0060
78.70	78.71	EOH, End of Hole							

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## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07855	8.60	9.00	0.0025	0.0025	0.0070
PG07856	9.00	9.65	0.0025	0.0050	0.0080
PG07857	9.65	10.14	0.0180	0.0090	0.0090
PG07858	23.00	24.00	0.0080	0.0050	0.0050
PG07859	24.00	24.60	0.3770	0.2330	0.0240
PG07861	24.60	25.00	0.0130	0.0080	0.0060