

Hole Number: ES07-87

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -90.00
Project Number: 201	North: 6808331.33	North: 61.41	Collar Az: 360.00
Location: Storgruva	East: 532224.18	East: 9.60	Length: 83.71 (m)
	Elev: 1231.86	Elev: 1231.86	Start Depth: 0.00 (m)
Date Started: Aug 24, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Aug 26, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: klnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 83.71 (m)

Comments: This hole was positioned about 20m behind ES07-86, that drilled through the U/G workings. ES07-87 will be used to test the mineral potential below the Storgruva deposit.

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	64.40	65.63	1.23	0.4215	0.1820	0.0249

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.20	CAS, Casing							
1.20	13.95	ANOR, Anorthosite brownish yellow to light grey in colour, occasional strong quartz alteration imparts a dark glassy appearance to the core, feldspars are completely altered to pale white-yellow sericite, intensely sheared to mylonitic in appearance from 8.10 to 13.40m - mm-scale laminations and acute smearing / elongation of feldspars, shearing ranges from 010 deg to 090 deg to the LCA strongly crenulated and deformed mm-scale lamellae from 8.10 to 13.40 at 13.50 - healed Po-bearing breccia sharp contact at 13.95m with pyroxenite below Mineralization 13.20 - 13.55 Structure 7.45 - 7.78 8.10 - 13.00 : SHR Shear, 90 Deg to CA 13.00 - 13.40 : LAM Laminated, 10 Deg to CA							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
13.95	49.30	UM, Ultramafic same unit that was intersected in Holes ES07-85 and 86, very dark grey, massive to foliated, typical large porphyroblasts of pyroxene throughout, generally competent, strongly magnetic - source of magnetic high expression in vicinity of Storgruva deposit. MINOR INTERVALS: Minor Interval: 25.25 - 26.85 MD, Mafic Dike distinctive earthy-brownish grey in colour. fine grained, sharp upper contact at 58 deg to the LCA, broken lower contact, nil sulphides.							
49.30	51.22	GAB, Gabbro grey-green, altered and moderately sheared gabbro, noticeable mm-sized brownish spots throughout - likely biotite and chlorite pseudomorphs,							
51.22	52.34	ANOR, Anorthosite light greyish white, pervasively sheared at 40 deg to the LCA,							
52.34	56.67	GAB, Gabbro altered gabbro, similar in appearance to the unit observed above between 49.30 to 51.22m, sharp contact with ultramafic unit below at 90 deg to the LCA, hosts sulphide mineralization comprising Po (3%) and Cpy (<1%) as discrete disseminations and wispy flecks. Mineralization 55.88 - 56.67 : Cpy Chalcopyrite, DIS Disseminated, 0.5% 55.88 - 56.67 : PO Pyrrhotite, DIS Disseminated, 3% Alteration 52.34 - 56.67 :BL Bleaching, P Pervasive, M Moderate Structure 52.34 - 56.67 : FOL Foliated, 40 Deg to CA	PG07878	55.10	55.85	0.75	0.0800	0.0590	0.0070
			PG07879	55.85	56.67	0.82	0.1580	0.1290	0.0130

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
56.67	71.70	UM, Ultramafic dark grey, uniformly foliated, familiar pyroxene porphyroblasts throughout, strongly magnetic, well mineralized from 56.67 to 57.21m (5-10% Po), 57.30 to 57.75m (10-15% Po, <1% Cpy) and 64.40 to 65.63 (14% Po), broken core with chlorite slickensides at 69.83 to 71.91m - close to the lower anorthosite contact Mineralization 56.67 - 57.21 : Cpy Chalcopyrite, DIS Disseminated, 0.5% 56.67 - 57.21 : PO Pyrrhotite, DIS Disseminated, 10% 57.31 - 57.75 : Cpy Chalcopyrite, DIS Disseminated, 0.5% 57.31 - 57.75 : PO Pyrrhotite, DIS Disseminated, 12% 64.40 - 65.63 : PO Pyrrhotite, BB Blebby, 12% MINOR INTERVALS: Minor Interval: 57.21 - 57.31 GAB, Gabbro sheared, bleached gabbro OR altered ultramafic?, contains 10-15% Po and minor (<1% Cpy) as tiny disseminations and wispy specks, sheared at 38 to 46 deg to the LCA, moderately chloritized. Mineralization 57.21 - 57.31 : PO Pyrrhotite, DIS Disseminated, 12%	PG07881	56.67	57.30	0.63	0.1750	0.0780	0.0120
			PG07882	57.30	57.75	0.45	0.2510	0.1020	0.0180
			PG07883	57.75	58.34	0.59	0.0700	0.0110	0.0110
			PG07884	64.00	64.40	0.40	0.1100	0.0490	0.0100
			PG07885	64.40	65.00	0.60	0.5250	0.2440	0.0300
			PG07886	65.00	65.63	0.63	0.3230	0.1230	0.0200
			PG07887	65.63	66.20	0.57	0.0800	0.0180	0.0090
71.70	83.70	ANOR, Anorthosite similar in appearance to the unit observed above from 1.20 to 13.95m, greyish-beige to grey in colour depending on the relative concentration of altered feldspar and quartz, contains greater than 70% quartzofeldspathic material, very low magnetic susceptibility values, nil sulphides. becomes more grey coloured down section, gradationally more silicified and more mafic material, banded at 75m (50 deg to the LCA) and banded at 81.90m (55 deg to the LCA).							
83.70	83.71	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07878	55.10	55.85	0.0800	0.0590	0.0070
PG07879	55.85	56.67	0.1580	0.1290	0.0130
PG07881	56.67	57.30	0.1750	0.0780	0.0120
PG07882	57.30	57.75	0.2510	0.1020	0.0180
PG07883	57.75	58.34	0.0700	0.0110	0.0110
PG07884	64.00	64.40	0.1100	0.0490	0.0100
PG07885	64.40	65.00	0.5250	0.2440	0.0300
PG07886	65.00	65.63	0.3230	0.1230	0.0200

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Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type ASSAY PG07887	65.63	66.20	0.0800	0.0180	0.0090