

DETAILED LOG

Hole Number: ES07-85

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -90.00
Project Number: 201	North: 6808298.62	North: 61.41	Collar Az: 360.00
Location: Storgruva	East: 532245.63	East: 9.60	Length: 47.51 (m)
	Elev: 1227.33	Elev: 1227.33	Start Depth: 0.00 (m)
Date Started: Aug 22, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Aug 23, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: klnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 47.51 (m)

Comments:

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	23.00	26.48	3.48	0.2934	0.2485	0.0193
WEIGHTED	23.50	25.40	1.90	0.3833	0.2899	0.0237

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.40	CAS, Casing							
1.40	2.40	GAB, Gabbro grey green in colour, well foliated to sheared at 45 deg to the LCA, locally broken core, fracture faces are limonite coated, nil sulphides. Structure 1.40 - 2.40 1.40 - 2.40							
2.40	5.00	ANOR, Anorthosite light grey in colour, strong mylonitic fabric, feldspars are deformed to streaks and mm-wide laminations, strongly sericitic, foliation trends 52 deg to the LCA, brecciated at 5m - minute frags embedded in a magnetite matrix., nil sulphides. Structure 2.40 - 5.00							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
5.00	23.00	UM, Ultramafic dark grey in colour, conspicuous cm-sized pyroxene and/or olivine throughout, foliation is pervasive at 56 deg to the LCA,, strongly magnetic, competent core, forms a sharp lower contact with unit below at 45 deg to the LCA, the core contains 1 to 5% sulphides from 20.70m to the lower contact at 23m. This represents the halo of disseminated mineralization that continues through the unit below and represents the down dip extension of the historic Storgruva deposit. Mineralization 5.90 - 6.60 : Cpy Chalcopyrite, DIS Disseminated, 0.25% 20.70 - 21.50 : Cpy Chalcopyrite, DIS Disseminated, 0.25% 5.00 - 5.25 : MAG Magnetite, FF Fracture Filling, 10% 5.90 - 6.60 : PO Pyrrhotite, DIS Disseminated, 5% 20.70 - 21.50 : PO Pyrrhotite, DIS Disseminated, 1% 21.50 - 22.00 : PO Pyrrhotite, DIS Disseminated, 5%	PG07862	5.30	5.90	0.60	0.1490	0.0550	0.0150
			PG07863	5.90	6.52	0.62	0.1770	0.1790	0.0150
			PG07864	6.52	7.00	0.48	0.1240	0.0750	0.0120
			PG07865	20.00	20.65	0.65	0.0720	0.0150	0.0120
			PG07866	20.65	21.50	0.85	0.1380	0.0690	0.0140
			PG07867	21.50	22.00	0.50	0.1980	0.1060	0.0190
			PG07868	22.00	22.50	0.50	0.0870	0.1410	0.0150
			PG07869	22.50	23.00	0.50	0.1090	0.0650	0.0140
23.00	26.48	GAB, Gabbro grey-green in colour, moderately bleached and chloritized, foliated to sheared, relatively narrow section between ultramafic and anorthosite units above and below respectively, hosts the strongest concentration of Po and +/- Cpy mineralization. Mineralization 23.00 - 24.50 : PO Pyrrhotite, CG Coarse Grained, 10% 24.50 - 26.48 : Cpy Chalcopyrite, DIS Disseminated, 0.5% 24.50 - 26.48 : PO Pyrrhotite, CG Coarse Grained, 20%	PG07870	23.00	23.50	0.50	0.2150	0.2170	0.0150
			PG07871	23.50	24.00	0.50	0.2940	0.2330	0.0190
			PG07872	24.00	24.50	0.50	0.1830	0.3250	0.0140
			PG07873	24.50	25.00	0.50	0.7340	0.2390	0.0410
			PG07874	25.00	25.40	0.40	0.3070	0.3810	0.0200
			PG07876	25.40	26.00	0.60	0.1010	0.1880	0.0110
			PG07877	26.00	26.48	0.48	0.2600	0.1930	0.0170
26.48	47.50	ANOR, Anorthosite light yellowish grey with darker grey sections denoting glassy quartz material, foliated at 46 deg to the LCA, pervasively sericitized, locally broken core, generally competent core, devoid of magnetite, nil sulphides.							
47.50	47.51	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07862	5.30	5.90	0.1490	0.0550	0.0150
PG07863	5.90	6.52	0.1770	0.1790	0.0150
PG07864	6.52	7.00	0.1240	0.0750	0.0120
PG07865	20.00	20.65	0.0720	0.0150	0.0120
PG07866	20.65	21.50	0.1380	0.0690	0.0140
PG07867	21.50	22.00	0.1980	0.1060	0.0190
PG07868	22.00	22.50	0.0870	0.1410	0.0150
PG07869	22.50	23.00	0.1090	0.0650	0.0140

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Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07870	23.00	23.50	0.2150	0.2170	0.0150
PG07871	23.50	24.00	0.2940	0.2330	0.0190
PG07872	24.00	24.50	0.1830	0.3250	0.0140
PG07873	24.50	25.00	0.7340	0.2390	0.0410
PG07874	25.00	25.40	0.3070	0.3810	0.0200
PG07876	25.40	26.00	0.1010	0.1880	0.0110
PG07877	26.00	26.48	0.2600	0.1930	0.0170