

Hole Number: ES07-93

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -50.00
Project Number: 201	North: 6808354.61	North: 61.41	Collar Az: 230.00
Location: Storgruva	East: 532141.71	East: 9.60	Length: 101.01 (m)
	Elev: 1223.29	Elev: 1223.29	Start Depth: 0.00 (m)
Date Started: Sep 16, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Sep 16, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By:	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 101.01 (m)

Comments: Storgruva. Test the base of the ultramafic 60 m southwest of ES07-90.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.50	O/B, Overburden CASING							
2.50	58.05	UM, Ultramafic ULTRAMAFIC fine grained, mottled dark grey appearance - light patches are probably opx. weakly foliated, consistent at 60+/-5 degrees TCA. moderately magnetic. small faults/fractures are common at 40-60 degrees TCA and are lined with talc/chlorite. From approximately 44 m to 52 m rock is lighter in colour, with altered biotite evident and ~1% pyrrhotite - likely remobilized. From 47 to 52 m, po is found in stringers, locally up to 3-5% of core. Rock becomes more strongly foliated, and less magnetic from 58.4 m to the contact with the shear zone at 59.25. Core broken 52-55 m. Mineralization 47.00 - 52.00 : PO Pyrrhotite, STR Stringers, 1% trace-1%, local stringers up to 3%.	PG07955	46.10	47.00	0.90	0.1280	0.0460	0.0140
			PG07956	47.00	47.80	0.80	0.1660	0.0700	0.0180
			PG07957	47.80	48.75	0.95	0.0920	0.0220	0.0150
			PG07958	48.75	49.70	0.95	0.0770	0.0220	0.0090
			PG07959	49.70	50.20	0.50	0.1520	0.0660	0.0150
			PG07950	50.20	51.15	0.95	0.1180	0.0460	0.0130
			PG07961	51.15	51.55	0.40	0.2630	0.0810	0.0170
			PG07962	51.55	52.00	0.45	0.1640	0.1590	0.0120
			PG07963	52.00	53.00	1.00	0.1240	0.0310	0.0130
58.05	67.00	FLT, Fault SHEAR 58.05-59.3 m: Sheared ultramafic. Dark Green to black in colour. 59.3-66.95 m: Sheared anorthosite and gabbro. Pale green-grey. Shear direction constant at 75-85 degrees TCA, except for 59.95-62.1 m where folding and overturn are dominant. Structure 59.95 - 62.00 : FD Folded, 90 Deg to CA zone of convoluted folding 63.95 - 64.05 : FLT Fault, 75 Deg to CA Center of shear zone - rock is flaky and very soft; unconsolidated.							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
67.00	74.00	ANOR, Anorthosite ANORTHOSITE 55-60% An and 40-45% mafics. Mottled pale/mid grey appearance, with a greenish cast (chlorite altn?). Foliated, but irregular orientation.							
74.00	101.00	GAB, Gabbro LEUCOGABBRO medium-grained 45-50% Pl, + bt, amphiboles, and chl. Chlorite alteration (up to 1cm wide) along fractures throughout unit. upper contact is gradual/gradational from 74.0-75.3 m. Only mineralization is a single stringer of pyrrhotite (3%). Mineralization 96.25 - 96.30 : PO Pyrrhotite, STR Stringers, 3% one stringer of remob po							
101.00	101.01	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07955	46.10	47.00	0.1280	0.0460	0.0140
PG07956	47.00	47.80	0.1660	0.0700	0.0180
PG07957	47.80	48.75	0.0920	0.0220	0.0150
PG07958	48.75	49.70	0.0770	0.0220	0.0090
PG07959	49.70	50.20	0.1520	0.0660	0.0150
PG07950	50.20	51.15	0.1180	0.0460	0.0130
PG07961	51.15	51.55	0.2630	0.0810	0.0170
PG07962	51.55	52.00	0.1640	0.1590	0.0120
PG07963	52.00	53.00	0.1240	0.0310	0.0130