

Hole Number: ES07-71

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -51.10
Project Number: 201	North: 6805776.26	North: 61.38	Collar Az: 226.10
Location: Andreasburg	East: 535195.41	East: 9.66	Length: 76.51 (m)
	Elev: 1024.13	Elev: 1024.13	Start Depth: 0.00 (m)
Date Started: Jun 23, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Jun 26, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: ccnor	Pulse EM Survey: N	Casing: Left in Hole, capped	Final Depth: 76.51 (m)

Comments: TARGET: Hole testing 20 m downdip from mineralization at surface.

RESULT: Hole intersected a weakly mineralized pyroxenite to 32.20m followed by gabbro. Best mineralization was in the gabbro consisting of 20-45% Po from 58.15 to 58.50m.

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	24.00	32.75	8.75	0.3228	0.1070	0.0209
WEIGHTED	31.00	32.75	1.75	0.7093	0.2754	0.0339

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	32.20	PYXT, Pyroxenite (Olivine Pyroxenite) Light grey, strongly magnetic, (avg 20 on mag sus) mineralized from 24.0 to 32.2m (see mineralization tabs). Unit consists of two distinct sizes of pyroxenes and an overall poikilitic texture. Pyroxenes include 1-2cm subhedral sizes (10-20%) and smaller 0.1 to 2.5 cm diameter pyroxene (30-50%). Larger pyroxenes are oikocrysts. Olivines appear cloudy (altered) and occur in 20-25%. Minor serp. veinlets throughout. lower contact faulted roughly 70 DTCA Mineralization 26.40 - 27.00 : PO Pyrrhotite, STR Stringers, 5% 31.00 - 31.50 : PO Pyrrhotite, BL Blebby, 8% 5-7% Po, 1% Cpy 24.00 - 26.40 27.00 - 31.00 31.00 - 32.20 : PO Pyrrhotite, STR Stringers, 5% Alteration 15.40 - 18.00 :SRP Serpentine, VN Vein, M Moderate Structure 2.30 - 2.31 : FLT Fault, 35 Deg to CA 3.00 - 3.50 : FLT Fault, 65 Deg to CA broken core 3.60 - 4.20 : FLT Fault, 60 Deg to CA broken core 13.90 - 13.90 : VN Veins, 25 Deg to CA serp vein 20.40 - 20.40 : VN Veins, 40 Deg to CA serp vein 29.10 - 29.10 : FOL Foliated, 50 Deg to CA 30.60 - 30.60 : FLT Fault, 60 Deg to CA	PG07599	24.00	25.00	1.00	0.2920	0.0890	0.0200
			PG07601	25.00	26.40	1.40	0.2770	0.0980	0.0190
			PG07602	26.40	27.00	0.60	0.6250	0.2420	0.0300
			PG07603	27.00	28.00	1.00	0.1320	0.0220	0.0150
			PG07604	28.00	29.00	1.00	0.1220	0.0140	0.0150
			PG07605	29.00	30.00	1.00	0.1240	0.0160	0.0150
			PG07606	30.00	31.00	1.00	0.1500	0.0310	0.0140
			PG07607	31.00	31.50	0.50	0.9260	0.5220	0.0430
			PG07608	31.50	32.20	0.70	0.4730	0.1020	0.0250

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
32.20	76.50	GAB, Gabbro (Leucogabbro) Light grey to mottled green on white, locally foliated but overall mottled, non magnetic, and weakly mineralized with diss. Po (see mineralization tab). SMS from 58.15 to 58.50m (best intersection). Unit consists of 65-75% light grey to white plagioclase, 10-20% grey green pyroxenes, and 0-5% pink to red speckled garnets(?). Minor serpentinite veinlets in 1-2%. metric wide non mineralized mafic dikes. -foliated 50 DTCA from upper contact to 34.25m Mineralization 32.75 - 34.00 57.85 - 58.15 : PO Pyrrhotite, STR Stringers, 20% 58.50 - 60.00 32.20 - 32.75 : PO Pyrrhotite, STR Stringers, 3% fault zone 56.00 - 57.85 58.15 - 58.50 : PO Pyrrhotite, SM Semi-Massive, 45% Structure 33.75 - 33.75 : FLT Fault, 35 Deg to CA 44.75 - 44.75 : FOL Foliated, 50 Deg to CA MINOR INTERVALS: Minor Interval: 52.65 - 55.3 MD, Mafic Dike fine grained, foliated 60 DTCA, non mineralized Minor Interval: 65.25 - 66.05 MD, Mafic Dike fine grained, serp. veins 45 DTCA, non mineralized	PG07609	32.20	32.75	0.55	0.8130	0.2720	0.0370
			PG07610	32.75	33.30	0.55	0.0340	0.0390	0.0050
			PG07611	33.30	34.00	0.70	0.0270	0.0750	0.0050
			PG07612	56.00	57.00	1.00	0.0120	0.0050	0.0060
			PG07613	57.00	57.85	0.85	0.0120	0.0060	0.0070
			PG07614	57.85	58.15	0.30	0.2060	0.1190	0.0360
			PG07615	58.15	58.50	0.35	0.4880	0.1090	0.0780
			PG07617	58.50	59.00	0.50	0.0190	0.0600	0.0070
			PG07618	59.00	60.00	1.00	0.0130	0.0070	0.0050
76.50	76.51	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07599	24.00	25.00	0.2920	0.0890	0.0200
PG07601	25.00	26.40	0.2770	0.0980	0.0190
PG07602	26.40	27.00	0.6250	0.2420	0.0300
PG07603	27.00	28.00	0.1320	0.0220	0.0150
PG07604	28.00	29.00	0.1220	0.0140	0.0150
PG07605	29.00	30.00	0.1240	0.0160	0.0150
PG07606	30.00	31.00	0.1500	0.0310	0.0140
PG07607	31.00	31.50	0.9260	0.5220	0.0430

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Samples

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Sample Type	ASSAY				
PG07608	31.50	32.20	0.4730	0.1020	0.0250
PG07609	32.20	32.75	0.8130	0.2720	0.0370
PG07610	32.75	33.30	0.0340	0.0390	0.0050
PG07611	33.30	34.00	0.0270	0.0750	0.0050
PG07612	56.00	57.00	0.0120	0.0050	0.0060
PG07613	57.00	57.85	0.0120	0.0060	0.0070
PG07614	57.85	58.15	0.2060	0.1190	0.0360
PG07615	58.15	58.50	0.4880	0.1090	0.0780
PG07617	58.50	59.00	0.0190	0.0600	0.0070
PG07618	59.00	60.00	0.0130	0.0070	0.0050