

Hole Number: ES07-70

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -50.80
Project Number: 201	North: 6805715.63	North: 61.38	Collar Az: 231.90
Location: Andreasburg	East: 535262.50	East: 9.66	Length: 86.01 (m)
	Elev: 1014.13	Elev: 1014.13	Start Depth: 0.00 (m)
Date Started: Jun 21, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: Jun 23, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: ccnor	Pulse EM Survey: N	Casing: Left in Hole, capped	Final Depth: 86.01 (m)

Comments: TARGET: Hole testing 40 m downdip extension of mineralization/historic workings at surface. Also testing the pyroxenite/gabbro contact.

RESULT: Hole intersected a variably mineralized pyroxenite to 35.60m followed by a gabbro and anorthosite. Best mineralization consists of 10-11% Po, 1-2% CPY and 1-2% Pn from 12.3 to 12.6m

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.25	O/B, Overburden casing to 2.25m							
2.25	35.60	PYXT, Pyroxenite	PG07574	11.00	12.00	1.00	0.0820	0.0180	0.0160
		Mineralization	PG07575	12.00	12.30	0.30	0.1520	0.0330	0.0160
		12.30 - 12.60 : POPN Pyrrhotit/Pentlandite, BL Blebby, 15% 10-11 Po, 1-2 Cpy, 1-2 Pn, appears remob. along local fractures.	PG07576	12.30	12.60	0.30	0.7400	0.2910	0.0470
		11.00 - 12.30 : PO Pyrrhotite, DIS Disseminated, 0.5% trace	PG07577	12.60	13.00	0.40	0.1310	0.0640	0.0170
		12.60 - 14.00 : PO Pyrrhotite, DIS Disseminated, 0.5% trace	PG07578	13.00	14.00	1.00	0.0990	0.0200	0.0160
		Structure							
		3.00 - 3.00 : VN Veins, 35 Deg to CA serp. vein							
		9.70 - 9.70 : VN Veins, 60 Deg to CA serp. vein							
		13.85 - 13.85 : FLT Fault, 35 Deg to CA							
		21.00 - 21.00 serp. veins form a network and appers brecciated							
		30.30 - 30.30 : FOL Foliated, 55 Deg to CA							
		35.60 - 35.60 : FLT Fault, 50 Deg to CA							
		lower contact is faulted							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
35.60	48.72	ANOR, Anorthosite (Altered/Mixed Anorthosite-Gabbro) Bluish grey to green, white and pink. heterogenous, well foliated to locally mottled, non mineralized and non magnetic. Overall unit consists of 60-80% white grey plagioclase, 15-20 blue grey mafic component (altered pyroxenes?) 5-10% serpentite veinlets and 0-5% speckled red-pink garnets?. Foliation ranges from 50-60 DTCA. Lower contact is razor sharp 70 DTCA. Structure 42.45 - 42.45 : FOL Foliated, 50 Deg to CA 48.72 - 48.72 : LC Lower Contact, 70 Deg to CA sharp							
48.72	58.50	MD, Mafic Dike (Fine to Med Grained Leucogabbro) Dark grey to green, Fine to medium grained, weakly magnetic and non mineralized. Upper and lower contacts are distinctly fine grained becoming mottled towards the central portion of the unit. Consist of 60-70 % dark to light green olivines/pyroxenes, 5-25% white and grey plagioclase, and 0-5% reddish pink garnets? Olivines appear to have been altered to serpentinite and the feldspars appear wispy locally. 48.72-50.90 -Fine grained 50.90-57.40- Mottled 57.40-58.50- Fine grained							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
58.50	86.00	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). 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%. Mineralization 61.50 - 62.00 : PO Pyrrhotite, DIS Disseminated, 5% 1-5% over interval 64.00 - 67.00 : PO Pyrrhotite, DIS Disseminated, 3% 67.30 - 68.00 : PO Pyrrhotite, DIS Disseminated, 3% 72.50 - 72.90 : PO Pyrrhotite, DIS Disseminated, 15% trace Cpy 73.40 - 75.00 60.00 - 61.50 : PO Pyrrhotite, DIS Disseminated, 1% 62.00 - 64.00 : PO Pyrrhotite, DIS Disseminated, 2% 67.00 - 67.30 : PO Pyrrhotite, BL Blebby, 8% 68.00 - 72.50 72.90 - 73.40 : PO Pyrrhotite, BL Blebby, 6% Structure 59.10 - 59.10 : FLT Fault, 50 Deg to CA 59.80 - 59.80 : FLT Fault, 45 Deg to CA 63.50 - 63.50 : FOL Foliated, 35 Deg to CA	PG07579	60.00	61.00	1.00	0.0160	0.0120	0.0050
			PG07581	61.00	61.50	0.50	0.0080	0.0580	0.0040
			PG07582	61.50	62.00	0.50	0.0300	0.0210	0.0080
			PG07583	62.00	63.00	1.00	0.0250	0.0210	0.0060
			PG07584	63.00	64.00	1.00	0.0230	0.0220	0.0080
			PG07585	64.00	65.00	1.00	0.0290	0.0220	0.0080
			PG07586	65.00	66.00	1.00	0.0230	0.0190	0.0060
			PG07587	66.00	67.00	1.00	0.0220	0.0190	0.0080
			PG07588	67.00	67.30	0.30	0.0330	0.0200	0.0100
			PG07589	67.30	68.00	0.70	0.0120	0.0070	0.0050
			PG07590	68.00	69.00	1.00	0.0170	0.0025	0.0060
			PG07591	69.00	70.00	1.00	0.0070	0.0060	0.0060
			PG07592	70.00	71.00	1.00	0.0200	0.0050	0.0060
			PG07593	71.00	72.00	1.00	0.0200	0.0090	0.0060
			PG07594	72.00	72.50	0.50	0.0130	0.0130	0.0070
			PG07595	72.50	72.90	0.40	0.0560	0.0880	0.0190
			PG07596	72.90	73.40	0.50	0.0360	0.0520	0.0100
			PG07597	73.40	74.00	0.60	0.0150	0.0140	0.0060
			PG07598	74.00	75.00	1.00	0.0240	0.0080	0.0070
86.00	86.01	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07574	11.00	12.00	0.0820	0.0180	0.0160
PG07575	12.00	12.30	0.1520	0.0330	0.0160
PG07576	12.30	12.60	0.7400	0.2910	0.0470
PG07577	12.60	13.00	0.1310	0.0640	0.0170
PG07578	13.00	14.00	0.0990	0.0200	0.0160
PG07579	60.00	61.00	0.0160	0.0120	0.0050
PG07581	61.00	61.50	0.0080	0.0580	0.0040
PG07582	61.50	62.00	0.0300	0.0210	0.0080
PG07583	62.00	63.00	0.0250	0.0210	0.0060
PG07584	63.00	64.00	0.0230	0.0220	0.0080
PG07585	64.00	65.00	0.0290	0.0220	0.0080
PG07586	65.00	66.00	0.0230	0.0190	0.0060

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Sample Type	ASSAY				
PG07587	66.00	67.00	0.0220	0.0190	0.0080
PG07588	67.00	67.30	0.0330	0.0200	0.0100
PG07589	67.30	68.00	0.0120	0.0070	0.0050
PG07590	68.00	69.00	0.0170	0.0025	0.0060
PG07591	69.00	70.00	0.0070	0.0060	0.0060
PG07592	70.00	71.00	0.0200	0.0050	0.0060
PG07593	71.00	72.00	0.0200	0.0090	0.0060
PG07594	72.00	72.50	0.0130	0.0130	0.0070
PG07595	72.50	72.90	0.0560	0.0880	0.0190
PG07596	72.90	73.40	0.0360	0.0520	0.0100
PG07597	73.40	74.00	0.0150	0.0140	0.0060
PG07598	74.00	75.00	0.0240	0.0080	0.0070