

DETAILED LOG

Hole Number: ES07-73

Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-46.40
Project Number:	201	North:	6805585.86	North:	61.38	Collar Az:	54.30
Location:	Andreasburg	East:	535153.14	East:	9.66	Length:	150.51 (m)
		Elev:	999.64	Elev:	999.64	Start Depth:	0.00 (m)
Date Started:	Jun 29, 2007	Collar Survey:	Y	Plugged:	N	Contractor:	Geo Drilling A/S
Date Completed:	Jul 01, 2007	Multishot Survey:	N	Hole Size:	TT46	Core Storage:	Tyristrand
Logged By:	ccnor	Pulse EM Survey:	N	Casing:	Left in Hole, capped	Final Depth:	150.51 (m)

Comments: Target: Hole testing UTEM conductor (ESP_05_04) and 20 m underneath historic workings (shearer pit # 2)

Results: Hole intersected weakly mineralized anorthosite/gabbro and non mineralized pyroxenite. Best mineralization consists of 15-20% stringer Po from 15.8-16.1 and 18.7 to 19.5m. Conductor explained by sulphides intersected.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	4.20	O/B, Overburden casing to 4.2m							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
4.20	71.65	ANOR, Anorthosite (Anorthosite/Leucogabbro)	PG07625	15.15	15.80	0.65	0.0100	0.0025	0.0030
			PG07626	15.80	16.10	0.30	0.0950	0.0390	0.0120
			PG07627	16.10	17.00	0.90	0.0340	0.0250	0.0070
		Light grey to green, non magnetic and weakly mineralized with stringer Po (max. up to 15-20% over 20-30 cm intervals-see mineralization tab). Where mineralized, strongly conductive (15.8 and 19.7m).	PG07628	17.00	18.00	1.00	0.0230	0.0050	0.0060
			PG07629	18.00	18.70	0.70	0.0180	0.0090	0.0050
			PG07630	18.70	19.15	0.45	0.0870	0.0330	0.0240
		Overall unit consists of 70-80 % milky white to grey feldspars, 10-20% altered greenish pyroxenes, 0-5% red garnets (?) and 5-10% green serpentinite alteration occurring as thin veinlets. locally texture and color vary from mottled to foliated and grey to green. Overall unit is foliated 60 DTCA.	PG07631	19.15	19.50	0.35	0.0420	0.0260	0.0120
			PG07632	19.50	20.00	0.50	0.0180	0.0140	0.0060
			PG07633	20.00	20.50	0.50	0.0220	0.0080	0.0070
		Minor intervals of mottled leucogabbro which consist of 25-30% greenish grey altered pyroxenes and 70-80% plagioclase and green (serp. alteration) compositionally this minor unit is similar to anorthosite however distinctly different texture and increase in amount and size of pyroxenes.	PG07634	20.50	21.00	0.50	0.0110	0.0070	0.0050
			PG07635	21.00	21.50	0.50	0.0130	0.0090	0.0050
			PG07636	21.50	22.50	1.00	0.0060	0.0025	0.0030
			PG07637	36.00	37.00	1.00	0.0140	0.0060	0.0070
			PG07638	37.00	37.50	0.50	0.0160	0.0120	0.0070
			PG07639	37.50	38.20	0.70	0.0390	0.0390	0.0130
		Mineralization	PG07641	38.20	39.15	0.95	0.0150	0.0070	0.0060
		15.80 - 16.10 : PO Pyrrhotite, STR Stringers, 20% 15-20%,highly conductive	PG07642	39.15	39.88	0.73	0.0670	0.0580	0.0290
		18.70 - 19.50 : PO Pyrrhotite, STR Stringers, 20% 15-20%, highly conductive, 60 DTCA	PG07643	39.88	41.00	1.12	0.0070	0.0025	0.0040
		20.00 - 21.00 : PO Pyrrhotite, DIS Disseminated, 1%	PG07644	41.00	42.50	1.50	0.0110	0.0025	0.0060
		39.15 - 39.88 : PO Pyrrhotite, STR Stringers, 20%	PG07645	42.50	44.00	1.50	0.0100	0.0025	0.0040
		16.10 - 18.70 : PO Pyrrhotite, STR Stringers, 1%	PG07646	44.00	44.65	0.65	0.0070	0.0050	0.0030
		19.50 - 20.00 : PO Pyrrhotite, DIS Disseminated, 3%	PG07647	44.65	45.00	0.35	0.0420	0.0390	0.0110
		37.50 - 38.20 : PO Pyrrhotite, STR Stringers, 10%	PG07648	45.00	45.50	0.50	0.0150	0.0110	0.0030
		44.65 - 45.00 : PO Pyrrhotite, STR Stringers, 10%	PG07649	45.50	46.50	1.00	0.0130	0.0060	0.0050
		Alteration							
		4.20 - 6.60 :SRP Serpentine, VN Vein, S Strong							
		Structure							
		8.40 - 8.40 : FLT Fault, 65 Deg to CA							
		8.60 - 8.60 : FLT Fault, 45 Deg to CA							
		10.60 - 10.70 : FLT Fault, 35 Deg to CA							
		vuggy quartz infill							
		11.50 - 11.50 : FOL Foliated, 60 Deg to CA							
		22.30 - 22.30 : FOL Foliated, 60 Deg to CA							
		24.70 - 24.70 : FLT Fault, 30 Deg to CA							
		36.40 - 36.40 : FOL Foliated, 50 Deg to CA							
		54.40 - 54.40 : FOL Foliated, 40 Deg to CA							
71.65	79.52	PYXT, Pyroxenite black, fine to medium grained, (oikocrystic) strongly magnetic, non mineralized. lower contact 70 DTCA.							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
79.52	88.25	GAB, Gabbro (leucogabbro) Green to white, medium to coarse mottled textured. non magnetic and weakly mineralized near lower contact with 10-15% diss/blebby Po (see mineralization). Mineralization 87.35 - 88.00 : PO Pyrrhotite, BL Blebby, 15%							
88.25	92.20	PYXT, Pyroxenite black, fine to medium grained (oikocrystic?), strongly magnetic and non mineralized.							
92.20	150.50	ANOR, Anorthosite (Anorthosite/Gabbro) green and white, mottled to foliated. non magnetic and weakly mineralized with stringer Po (see mineralization tab). Mineralization 118.60 - 124.00 : PO Pyrrhotite, STR Stringers, 3% Po concentrated in centrimetric mafic bands over interval Structure 93.40 - 93.50 : FLT Fault, 15 Deg to CA talc and serp. alteration 146.00 - 146.00 : FOL Foliated, 55 Deg to CA							
150.50	150.51	EOH, End of Hole							

Samples

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PG07625	15.15	15.80	0.0100	0.0025	0.0030
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PG07627	16.10	17.00	0.0340	0.0250	0.0070
PG07628	17.00	18.00	0.0230	0.0050	0.0060
PG07629	18.00	18.70	0.0180	0.0090	0.0050
PG07630	18.70	19.15	0.0870	0.0330	0.0240
PG07631	19.15	19.50	0.0420	0.0260	0.0120
PG07632	19.50	20.00	0.0180	0.0140	0.0060
PG07633	20.00	20.50	0.0220	0.0080	0.0070
PG07634	20.50	21.00	0.0110	0.0070	0.0050
PG07635	21.00	21.50	0.0130	0.0090	0.0050
PG07636	21.50	22.50	0.0060	0.0025	0.0030
PG07637	36.00	37.00	0.0140	0.0060	0.0070
PG07638	37.00	37.50	0.0160	0.0120	0.0070
PG07639	37.50	38.20	0.0390	0.0390	0.0130

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PG07645	42.50	44.00	0.0100	0.0025	0.0040
PG07646	44.00	44.65	0.0070	0.0050	0.0030
PG07647	44.65	45.00	0.0420	0.0390	0.0110
PG07648	45.00	45.50	0.0150	0.0110	0.0030
PG07649	45.50	46.50	0.0130	0.0060	0.0050