DETAILED LOG

Hole Number: ES08-109 Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-60.00
Project Number:	201	North:	6804672.00	North:	61.37	Collar Az:	230.00
Location:	Surface	East:	534475.00	East:	9.65	Length:	130.01 (m)
		Elev:	725.00	Elev:	725.00	Start Depth:	0.00 (m)
Date Started:	Feb 19, 2008	Collar Survey:	N	Plugged:	N	Contractor:	Arctic Drilling A/S	Final Depth:	130.01 (m)
Date Completed:	Feb 21, 2008	Multishot Survey:	N	Hole Size:	BQ	Core Storage:	tyristrand		
Logged By:	awnor	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments: This hole is designed to intercept p_167 at a vertical depth of 30m.

Results:
An UM dyke from 40.10-45.25m that was mineralized with 1-3% Po as fg disseminations and and very thin stringers. Trace amounts of Cpy

Sample Averages

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	14.50	O/B, Overburden							
14.50	36.60	MD, Mafic Dike Mafic Dykes/Anorthosite Mixed unit comprised mainly of green. fg. massibe, homogenous mafic dykes with ~20% rafts of fg white anorhosite. Dyke is normally quenched at anorthosite contact and party sheared. Not mineralized Anorthosite rafts: 18.20-18.70m 20.22-21.25m 24.75-25.09m 25.50-26.20m 27.42-27.75m							
36.60	40.10	ANOR, Anorthosite White-Light grey/green. Fg. homogenous. Typical anorthosite except unit is strongly deformed with intensely crenulated and microfolded. Bands are mm to sub-mm scale are are esaily distinguishable by this bands of chlorite and fuchsite. Sharp contact with mineralized UM below. Not mineralized or magnetic	PG05894	39.10	39.60	0.50	0.0030	0.0025	0.0005
			PG05895	39.60	40.10	0.50	0.0030	0.0025	0.0005
40.10	45.25	UM, Ultramafic Black-dark grey, fg, homogenous, strongly deformed with variably crenulated bands. Strongly magnetic, except magnetism ends @43.0m. ~3-5% mm sized talc veins/veinlets. Sharp upper contact to anorthosite @70 dtca. Brecciated and weakly sheared lower cotnact over 0.25m with up to 7-10% fg Po and Cpy. Mineralized with 1-3% vfg to fg diss and stringer sulphides. Mainly Po and Cpy. No Pn visible. Some sulphides remobilized along thing fracture veins with CPy being the most dominant. Structure 41.35 - 41.40 : G Gouge, 75 Deg to CA thin clay fault gauge.	PG05896	40.10	40.90	0.80	0.0340	0.0160	0.0050
			PG05897	40.90	41.40	0.50	0.1700	0.1270	0.0130
			PG05898	41.40	42.40	1.00	0.3040	0.1250	0.0260
			PG05899	42.40	43.20	0.80	0.2120	0.1280	0.0190
			PG05901	43.20	44.00	0.80	0.0880	0.0440	0.0080
			PG05902	44.00	44.95	0.95	0.0320	0.0250	0.0050
			PG05903	44.95	45.25	0.30	0.1310	0.0760	0.0140

DETAILED LOG

Hole Number: ES08-109

Units: METRIC

Detailed Lithology

From (m)	To (m)	Lithology
45.25	113.80	GAB, Gabbro Green, mg with fg local interval especially close to contacts. homogenous and massive. Wide intrusion. Not mineralized and weak magnetism locally. Sharp upper contact with mineralized UM above. Lower contact. 1% cm sized, white vening. Structure 79.35 - 79.57 intensely broken core, no gauge 98.80 - 98.95
113.80	130.00	DIOR, Diorite similar to qtz diorite in ES08-108. (less quartz and more biotite). Diorite. Grey to dark grey. Cg. Massive. Equigranular. Homogenous intrusion. Contains ~45-50% cg to vcg black grains of amphibole and minor biotite, 40-45% cg plagioclase. ~3-5% chlorite and epidote (amphibole alt). Not magnetic. Mineralized with <1% fg diss Py and Po locally. ~3% 1-3cm wide quartz/epidote veins. . MINOR INTERVALS: Minor Interval: 117.5 - 118.4 UM, Ultramafic Black. Fg. to mg. Homogenous. Massive. Not mineralized and moderatley magnetic locally. Sharp upper and lower contact @80 dtca.
130.00	130.01	EOH, End of Hole

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
PG05904	45.25	45.75	0.50	0.0390	0.0330	0.0050
PG05905	45.75	46.25	0.50	0.0030	0.0080	0.0020
PG05906	46.25	46.75	0.50	0.0030	0.0080	0.0030

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type ASSAY					
PG05894	39.10	39.60	0.0030	0.0025	0.0005
PG05895	39.60	40.10	0.0030	0.0025	0.0005
PG05896	40.10	40.90	0.0340	0.0160	0.0050
PG05897	40.90	41.40	0.1700	0.1270	0.0130
PG05898	41.40	42.40	0.3040	0.1250	0.0260
PG05899	42.40	43.20	0.2120	0.1280	0.0190
PG05901	43.20	44.00	0.0880	0.0440	0.0080
PG05902	44.00	44.95	0.0320	0.0250	0.0050
PG05903	44.95	45.25	0.1310	0.0760	0.0140
PG05904	45.25	45.75	0.0390	0.0330	0.0050
PG05905	45.75	46.25	0.0030	0.0080	0.0020
PG05906	46.25	46.75	0.0030	0.0080	0.0030