DETAILED LOG

Hole Number: ER08-45 Units: METRIC

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Collar Dip: -41.80
Project Number:	203	North:	6659789.02		North:	60.07	Collar Az: 56.40
Location:	Surface	East:	558060.93		East:	10.04	Length: 284.26 (m)
		Elev:	184.74		Elev:	184.74	Start Depth: 0.00 (m)
Date Started:	Feb 01, 2008	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final Depth: 284.26 (m)
Date Completed:	Feb 06, 2008	Multishot Survey:	N	Hole Size: BQ	Core Storage:	Tyristrand	
Logged By:	vbnor	Pulse EM Survey:	N	Casing: Left in Hole			

Comments: This hole is designed to test the contact at a vertical depth of approximately 150 m.

Sample Averages

Survey Data

Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
10.00	56.40	-41.80	EZ	OK		25.00	56.90	-41.20	EZ	OK	
50.00	61.50	-40.70	EZ	OK		100.00	60.80	-39.20	EZ	OK	
175.00	64.00	-37.40	EZ	OK							

Detailed Lithology

From (m)	To (m)	Lithology	Assay Data: Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.15	CAS, Casing							
2.15	5.15	GNOR, Gabbro Norite Dark grey, trace sulphides. Competent. Fine to coarse grained. Strong garnet alteration, very weak to non-magnetic. Lower contact is sharp at 15 degrees to LCA Structure 3.15 - 5.15 : FOL Foliated, 5 Deg to CA Amphibole grains oriented 5 degrees to LCA							
5.15	7.77	PEG, Pegmatite Light grey (plag, qtz?) banded with mafic minerals and garnets. Alternating bands are 1-3 mm apart. No sulphides. Lower contact is sharp at 40 degrees to LCA. Structure 5.15 - 6.20 : MODFOL Moderately Foliated, 25 Deg to CA 7.45 - 7.77 : FOL Foliated, 80 Deg to CA							
7.77	13.98	GNOR, Gabbro Norite Dark grey, medium grained, moderate garnet alteration. Competent. No sulphides. Non magnetic. Lower contact is sharp and at 20 degrees to LCA. Structure 7.77 - 13.98 : L Mineral Lineation, 25 Deg to CA Slight lineation of amphibole.							

Hole Number: ER08-45

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
13.98	21.63	PEG, Pegmatite Light grey and pink. Trace remobilized sulphides. Very weak to non magnetic. Competent. Lower contact is sharp and at 30 degrees to LCA. Alteration 19.55 - 21.63 :EP Epidote, D Disseminated, M Moderate Structure 20.90 - 21.00 : SHR Shear, 45 Deg to CA 20.90 - 21.63							
21.63	28.05	GNOR, Gabbro Norite Dark green grey. Trace, finely disseminated sulphides. Competent. Fine to medium grained with moderate coarse grained garnet alteration. Lower contact is sharp and at 50 degrees to LCA. Alteration 21.63 - 21.83 :EP Epidote, D Disseminated, W Weak							
28.05	29.10	PEG, Pegmatite As described between 13.98 and 21.63.							
29.10	39.25	GNOR, Gabbro Norite Grey. 2% blebby sulphides (po, pn, cpy) ranging from 1-10mm in diameter. Competent. Very weak to non magnetic. Fine to medium grained. Moderate mottled coarse grained garnet alteration. Chlorite infill on fracture surfaces >1mm wide. Intermittent sections of 20-40cm pegmatite occur approximately every meter, increasing down hole. Lower contact is abrupt and at 5 degrees to LCA. Structure 29.10 - 39.25 Chlorite infill is slickenslided.							

Hole Number: ER08-45

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
39.25	96.00	PEG, Pegmatite Light grey and pink. Trace remobilised and disseminated sulphides. Non magnetic. Competent. Healed fractures at all angles to LCA. Lower contact is a quartz vein 1cm wide. MINOR INTERVALS: Minor Interval: 39.25 - 46.5 PEG, Pegmatite Intermittent sections of 10-20 cm gabbro-norite occur approximately every meter, decreasing down hole. Minor Interval: 80 - 96 PEG, Pegmatite Mafic minerals increase down hole from 15% to 50-60%, variable throughout. Alteration 85.00 - 96.00 :CB Carbonate, V Vein, W Weak 1-7mm wide 80.00 - 96.00 :BIO Biotite, D Disseminated, W Weak Structure 80.00 - 96.00 : FOL Foliated, 30 Deg to CA								

Hole Number: ER08-45

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
96.00	136.00	GNOR, Gabbro Norite Med. grey. Fine to medium grained. Trace disseminated sulphides. Intense silica alteration. Moderate mottled garnet alteration. Intermittent foliation of felsic/mafic minerals in sections 5-100cm. Lower contact is gradual and grades to less silicified GNOR. Alteration 126.00 - 129.20 :EP Epidote, D Disseminated, W Weak ? 126.00 - 129.20 :CHL Chlorite, D Disseminated, M Moderate Weak, increasing to strong down hole. 101.50 - 106.75 :EP Epidote, FF Fracture Filling, W Weak ? 101.50 - 106.75 :CHL Chlorite, D Disseminated, M Moderate 96.00 - 100.50 :BI Biotite, D Disseminated, M Moderate 96.00 - 136.00 :Qtz Quartz, BL Bleached, S Strong Alteration ranges from moderate to intense througout unit. Structure 96.15 - 97.20 : FOL Foliated, 35 Deg to CA felsic/mafic banding approx. 1mm. 97.20 - 97.80 : FOL Foliated, 20 Deg to CA felsic/mafic banding approx. 3mm. 105.35 - 106.00 : VN Veins, 85 Deg to CA soft felsic aphanitic 1mm veins, mod perv. 106.20 - 106.25 gouge and soft mineral infill (chl/ep?) 106.20 - 106.60 106.45 - 106.50 gouge and soft mineral infill (chl/ep?) 110.00 - 117.00 foliation in 10-20cm sections of intense silicification ranging from 20-50 degrees to LCA. 119.50 - 120.50 120.50 - 123.00 124.40 - 124.50 124.40 - 124.90 124.60 - 124.70 127.80 - 129.00 128.80 - 128.85 129.00 - 136.00 foliatiion ranges from low to moderate angles to LCA.						

Hole Number: ER08-45 Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
136.00	160.50	GNOR, Gabbro Norite Green, lightening down hole to light green. Fine to coarse grained. Trace sulphides. Competent. Moderate silica alteration. Weak mottled garnet alteration. Trace 5-15 cm calcite veins. Weakly foliated at low to moderate angles to LCA. Lower contact is gradual, with intermingling of GNOR and gneiss. Alteration 136.00 - 160.50 :Qtz Quartz, BL Bleached, M Moderate Structure 157.50 - 159.50 Weak foliation at weak to moderate angles to LCA. 157.50 - 159.50 weak brecciation	BL01188	159.00	160.00	1.00	0.0010	0.0060	0.0005
			BL01189	160.00	160.50	0.50	0.0020	0.0025	0.0005
160.50	170.10	IGN, Intermediate Gneiss Green grey. 5% disseminated sulphides. Competent. Foliated. Medium to coarse grained. Weak to moderate mottled garnet alteration. Lower contact is a fault. Mineralization 160.50 - 160.70 : PO Pyrrhotite, VN Veins, 8% Sulphides aligned in <1mm bands with foliation. Structure 160.50 - 167.50 : FOL Foliated, 45 Deg to CA 167.50 - 170.10 : FOL Foliated, 30 Deg to CA MINOR INTERVALS: Minor Interval: 161.9 - 162.2 MD, Mafic Dike Dark green. Aphanitic.	BL01190	160.50	160.85	0.35	0.0050	0.0250	0.0050
			BL01191	160.85	161.35	0.50	0.0020	0.0025	0.0005
			BL01192	161.35	162.35	1.00	0.0030	0.0080	0.0005
			BL01193	168.60	169.60	1.00	0.0020	0.0060	0.0005
			BL01194	169.60	170.10	0.50	0.0030	0.0090	0.0020
170.10	170.20	FLT, Fault Gauge and brecciated green grey gneiss. Structure 170.10 - 170.20 170.10 - 170.20	BL01195	170.10	170.60	0.50	0.0020	0.0025	0.0005
170.20	170.60	SULF, Sulfide 20% sulphides hosted in altered gneiss. Elongate, acicular, needle like, <1mm long sulphides (po/py/pn??). Carbonate vugs <4mm infilled with subhedral pyrite crystals <1mm. Blebby pyrite. Sulphides decrease to <3% over last 5 cm of interval. Mineralization 170.20 - 170.60 : PY Pyrite, BB Blebby, 10% and infilling vugs.							

Hole Number: ER08-45

Units: METRIC

Detailed Lithology

From (m)	To (m)	Lithology
170.60	222.70	IGN, Intermediate Gneiss Grey green med-coarse grained intermediate gneiss. 5% sulphides grading to no sulphides down hole. Competent. Foliation is at moderate to high angles to LCA. Lower contact is gradual and grades to fine grained gneiss. Structure 170.60 - 184.00 : FOL Foliated, 40 Deg to CA 170.60 - 213.00 Trace brecciated carbonate veins 182.00 - 184.00 10% intermittent broken core. 184.00 - 186.00 : FOL Foliated, 30 Deg to CA 186.00 - 213.00 : FOL Foliated, 50 Deg to CA
222.70	284.25	IGN, Intermediate Gneiss Grey green intermediate gneiss. No sulphides. Competent. Fine grained, intermittent sections of coarse grained material. Weak mottled garnet alteration. Structure 222.70 - 284.25 weakly foliated at moderate to steep angles to LCA. 230.70 - 238.90 30% of core is broken in pieces <5cm for sections 25cm long.
284.25	284.26	EOH, End of Hole

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
BL01196	170.60	171.10	0.50	0.0005	0.0025	0.0005
BL01197	171.10	172.10	1.00	0.0020	0.0080	0.0010

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type ASSAY					
BL01188	159.00	160.00	0.0010	0.0060	0.0005
BL01189	160.00	160.50	0.0020	0.0025	0.0005
BL01190	160.50	160.85	0.0050	0.0250	0.0050
BL01191	160.85	161.35	0.0020	0.0025	0.0005
BL01192	161.35	162.35	0.0030	0.0080	0.0005
BL01193	168.60	169.60	0.0020	0.0060	0.0005
BL01194	169.60	170.10	0.0030	0.0090	0.0020
BL01195	170.10	170.60	0.0020	0.0025	0.0005
BL01196	170.60	171.10	0.0005	0.0025	0.0005
BL01197	171.10	172.10	0.0020	0.0080	0.0010