



Bergvesenet rapport nr BV 4961	Intern Journal nr Overlevert direkte, ikke registrert	Internt arkiv nr	Rapport lokalisering	Gradering Fortrolig
Kommer fra arkiv	Ekstern rapport nr	Oversendt fra Råna ApS	Fortrolig pga Muting	Fortrolig fra dato:
Tittel Technical report on the Råna Nickel-copper project, Ballangen, Norway Exploration activities 2007 BILAGSDEL 1: med vedlegg SH-001 - SH-011				
Forfatter Vognsen, Mikkel		Dato År mai 2008	Bedrift (Oppdragsgiver og/eller oppdragstaker) Råna ApS	
Kommune Ballangen	Fylke Nordland	Bergdistrikt	1: 50 000 kartblad 13312	1: 250 000 kartblad Narvik
Fagområde Geologi Geofysikk Geokjemi		Dokument type	Forekomster (forekomst, gruvefelt, undersøkelsesfelt) Bruvann Arnes Rånbogen	
Råstoffgruppe Malm/metall		Råstofftype Ni Cu		
Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse BILAGSDEL 1: vedlegg SH-001 - SH-010 For tekst, se rapport BV 4957				

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse

Mineralised +/- graphite-rich, massive to disseminated sulphide mineralized mafic-ultramafic boulders and in-situ rocks have been found in several places. The sulphide mineralization style show a broad variety, dominated by magmatic disseminated sulphides in ultramafic rocks. Semi- to massive sulphide veins and mineralized magmatic breccias has been intersected in several drill cores. Ni content varies significantly between the different mineralization styles.

Soil sampling in the 2007 season showed elevated nickel values in several large areas, based on a 20x20m soil sample grid. This approach provided for an excellent base for screening "prospective" from "none-prospective" areas, both in vegetation covered areas and barren rock and scree dominated mountain slope.

Geophysical surveys were conducted within selected areas. Ground based Mag and EM Beep-Mat geophysical surveys were used to confirm the presences of conductors. Prior to the 2007 diamond drilling campaign, a geophysical 3D model was produced, indicating drill target conductors located both on the Arnes bloc and Rånbogen block.

BILAG 1 med vedlegg SH-001 - SH-010, se rapport BV 4961

BILAG 2 med vedlegg SH-011 - SH-017, se rapport BV 4962

1 SH-001

2 SH-002

3 SH-003

4 SH-004

5 SH-005

6 SH-006

7 SH-007

8 SH-008

9 SH-009

10 SH-010

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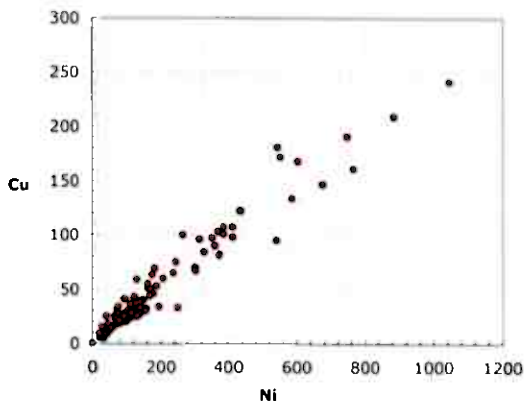
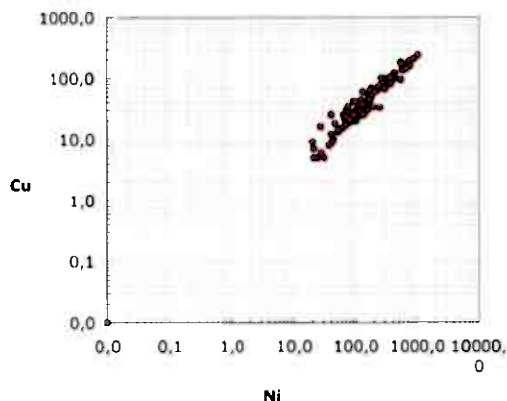
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YEAR	2006	Info of Borehole			SH
Drill Date:	29. Sep	Ballangen DDH-06 SH-001			
HOLE ID:	SH-001				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7582876	Elevation:	370 meter [asl]	Drill method:	Core
Easting:	581376	Geologist:	Mikkel Vognsen	Core:	TT46 Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen/Martin Jebens	Length:	232,90 meter
Bearing:	180°	Logged date:	30. september 2006	Average REC/RQD:	99 pct. / 98.2 pct.
Dip:	-45°	Survey date:		by:	Casing/overburden: 4,2 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
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COMMENTS/PURPOSE

Testing of minor EM anomaly identified by SkyTEM and coinciding with sulphide rich fracture

SULPHIDES					Quartz	ALTERATION					Recovery pct	Dip angle degree	GEOCHEMISTRY					Mag Susc. 10 ⁻³ SI
Po.	Pn.	Cp.	Gph.	X.		Grt.	Bio.	Chl.	Tc.	Cs.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimuth	n.a.	n.a.	n.a.
- Dip	n.a.	n.a.	n.a.
- Depth	n.a.	n.a.	n.a.

LITHOLOGY

A	- AMPH - Amphibolite
B	- GB - Gabbro
C	- MGN - Gneiss
D	- NO - Norite
E	- ONO - Olivinenorite
F	- OPX/CPX - Olivinepyroxenite (Ol-websterite)
G	- PRD - Peridotite
H	- PX - Pyroxenite (Websterite)
I	- S - Schist
eoh	- End of Hole

DESCRIPTIVE STATISTIC

	NI	Cu
- Mean	190,09	49,88
- Median	122,00	32,00
- Minimum	20,00	5,00
- Maximum	1045,00	241,00
- Standard Deviation	190,29	46,68
- Numbers	115,00	115,00
- Kurtosis	5,13	3,80
- Skewness	2,19	1,97
- Variance	36212	2179
- Detection Limit	20,00	5,00

SULPHIDES

1.	- Pyrrhotite	Po.
2.	- Pentlandite	Pn.
3.	- Chalcopyrite	Cp.
4.	- Graphite	Gph.
5.	- X	X.

ALTERATION

6.	- Garnet	Grt.
7.	- Biotite	Bio.
8.	- Chlorite	Chl.
9.	- Talc	Tc.
10.	- Calcisilicate	Cs.

GEOCHEMISTRY

11.	- Nickel	Ni	[ppm]
12.	- Copper	Cu	[ppm]
13.	- Iron	Fe	[pct]
14.	- Gold	Au	[ppb]
15.	- Cobalt	Co	[ppm]

MAGNETIC SUSCEPTIBILITY

16.	- Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	111
- Mean	50,40°
- Standard Deviation	15,41°
- Maximum Petal	14,86 pct.
- Standard Deviation Petal	3,4 pct.

FOLIATION OR BEDDING

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	111
- Mean	50,40°
- Standard Deviation	15,41°
- Maximum Petal	14,86 pct.
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FRACTURES



FOLIATION OR BEDDING

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YEAR		2006		Log of Borehole		SH	
Drill Date:		29. Sep		Ballangen DDH-06 SH-001			
HOLE ID:		SH-001					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7582876	Elevation:	370 meter [asl]	Drill method:	Core		
Easting:	581376	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter:	35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen/Martin Jebens	Length:	232,90 meter		
Bearing:	180°	Logged date:	30. september 2006	Average REC/RQD:	99 pct. / 98.2 pct.		
Dip:	-45°	Survey date:	-	by:	-	Casing/overburden:	4,2 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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BOX 5

BOX 1

YEAR	2006		Log of Borehole		SH
Drill Date:	29. Sep				
HOLE ID:	SH-001		Ballangen DDH-06 SH-001		
Project:	Ballangen				
Location:	Arnes		Project manager:	Søren Lund Jensen	
Northing:	7582876		Elevation:	370 meter (asl)	
Easting:	581376		Geologist:	Mikkel Vognsen	
Datum:	WGS84		Logged by:	Mikkel Vognsen/Martin Jebens	
Bearing:	180°		Logged date:	30. september 2006	
Dip:	-45°		Survey date:	by: -	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Bio	Chl	Tc			Cs	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
34				149016													158	32	7		70	0.22
35																						0.20
36		35.5-36m: Alteration! Chl-phi alteration in irregular mm-cm vein systems.		149017													133	34	7		77	0.24
37																						0.23
38																						0.21
39	F	38.2-44.35m: Pyroxenite! Ol-orthopyroxenite. Gradual shift. Ol decreases, Opx increases, Phi increases back to a Ol-orthopyroxenite. Very little sulphide mineralisation!		149018													149	40	7		77	BOX 7
40		39m: Alteration! Phlogopite alteration. Bright reddish alt. Flakes.																				0.22
41				149019													143	39	6		72	0.18
42																						0.15
43																						0.17
44				149020													142	33	6		71	0.18
45																						0.14
46	A	44.35-44.5m: Diabase sill. Phi rims the contact to the Pyroxenite.		149021													84	20	6		56	BOX 8
47	F	44.5-45.2m: Pyroxenite! Ol-orthopyroxenite. Going down the RDC PI increases.																				0.14
48	E	45.2-56.5m: Ol-Norite! Mgrd green-greyish Ol-Norite (Ol 45%, Pl 35%, Phi 3-5% - this seems odd and most likely a large part of what is seen as ol is infact Opx = hypersten!). Gradual transition from the above pyroxenite to the norite.		149022													130	31	6		70	0.16
49		45.8m: Compositional change! Opx increases, Phi increases, Pl decreases. In places the rock has undergone Chl alteration of the pyroxenes? Px -> Phi & Chl?																				0.18
50																						0.22
51		48.3m: Irregular graphite aggregates (1-2cm). Gph enters the system @ the transition from a Ol dominated Norite to a Opx dominated Norite. Visible sulphide dissemination (1-2%). The compositional transition happens in 20cm downwards.		149023	1			2									103	25	6		57	0.21
52				149024													95	21	6		57	BOX 9

YEAR	2006	Log of Borehole		SH	
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HOLE ID:	SH-001				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7582876	Elevation:	370 meter [asl]	Drill method:	Core
Easting:	581376	Geologist:	Mikkel Vognsen	Core:	TT46 Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen/Martin Jebens	Length:	232,90 meter
Bearing:	180°	Logged date:	30. september 2006	Average REC/RQD:	99 pct. / 98.2 pct.
Dip:	-45°	Survey date:		by:	Casing/overburden: 4,2 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
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BOX 11

BOX 12

YEAR		2006		Log of Borehole																		SH			
Drill Date:		29. Sep		Ballangen DDH-06 SH-001																					
HOLE ID:		SH-001																							
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen															
Northing:		7582876		Elevation:		370 meter [asl]		Drill method:		Core															
Easting:		581376		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm											
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens		Length:		232,90 meter		Average REC/RQD:		99 pct. / 98.2 pct.											
Bearing:		180°		Logged date:		30. september 2006		Casing/overburden:		4,2 meter															
Dip:		-45°		Survey date:				by:																	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																							
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																									
Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem						Mag Susc. 10 ⁻³ SI	
		Description			Po	Py	Cp	Gph	X		Gt	Bi	Ch	Tc	Cs			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]				Co [ppm]
68				149033														112	24	6		56	0,23		
69																							0,18		
70																		115	25	6		52	0,19		
71																							0,15		
72																		108	25	6		53	0,13		
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YEAR		2006		Log of Borehole		SH	
Drill Date:		29. Sep		Ballangen DDH-06 SH-001			
HOLE ID:		SH-001					
Project:		Ballangen	Location:	Arnes	Project manager:		Soren Lund Jensen
Northing:		7582876	Elevation:	370 meter [asl]	Drill method:		Core
Easting:		581376	Geologist:	Mikkel Vognsen	Core:		TT46 Diameter: 35,6 mm
Datum:		WGS84	Logged by:	Mikkel Vognsen/Martin Jebens	Length:		232,90 meter
Bearing:		180°	Logged date:	30. september 2006	Average REC/RQD:		99 pct. / 98.2 pct.
Dip:		-45°	Survey date:	-	by:		Casing/overburden: 4,2 meter
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc 10 ⁻⁵ SI
		Description			Py	Pn	Cpx	Gph	X		Grt	Bio	Chl	Tc	Cs			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
102	H	Sulphides disseminated in pin-head style (0-1%).		149050	1													195	34	6		51	0,18
		100.65-102.3m: Pegmatoidal leuconitic. Q-Pl-Phl Ky. Peg. rimmed by Phl.																					0,25
103		102.3-106m: Pyroxenite! Sharp transition from Peg. Norite to mdgrd dark greenish pyroxenite (Ol 10%, Opx 20%, Cpx 60, Pl 8%). Pin-head sulphide dissemination (0-1%). Opx concentrates in areas creating the look of a 2 Px component rock! Ford phl flakes evenly dispersed.		149051														178	46	6		60	0,20
104																							0,18
105	H	105-15m: Alteration! Lumpy pyroxenite rimmed by phl. Selected alteration?																					0,28
106	H	106-109m: Pyroxenite! Ford Act-bearing Opx-rich pyroxenite. (Ol 10%, Opx 40%, Cpx 40%, Pl 8%), accessory phl unevenly dispersed. Visible sulphide dissemination as aggregates (0-1%).		149052	1													139	27	8		77	0,26
107																							
108		108-108.5m: Alteration! Spotted rock interval. Crd relict Opx, now seen as Cpx rimmed by hbl?		149053														250	33	7		72	0,41
109	G	109-110.0m: Peridotite! Gradual transition to a f-mdgrd dark greenish peridotite. (Ol 70%, Opx 15, Cpx 15%). Accessory phl and minor sulphid mineralisation (0-0.5%).			0.5																		0,20
110	E	110.0-112.2m: Ol-norite! Mdgrd grey-greenish rock, which gradual change to a pure Ol-rich peridotite from 110.4-110.9m. Phl occurs as cm size clusters of reddish mdgrd flakes (3-5 clusters per m), often associated with felsic material.		149054														156	30	6		57	0,18
111	G	110.4-110.9m: Peridotite!																					0,19
112	E	112.2-113.1m: Ol-Norite! Gradual transition to Ol-dominated norite over a length of 1/2m.		149055														187	53	6		64	
113	G	113.1-120.6m: Peridotite! Peridotite with varying amounts of Opx. No mineralisation! (Ol 45%, Opx 10, Cpx 40, Pl 3%, Phl 2%).																					0,13
114		113.3m: Alteration! phl coated fracture planes. Phl alteration of Px? Creating a lumpy appearance.		149056														139	33	7		67	0,22
115																							
116				149057														168	44	8		88	0,24
117																							
118				149058														132	37	7		75	
119																							

BOX 21

YEAR	2006		Log of Borehole		SH	
Drill Date:	29. Sep					
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Project:	Ballangen					
Northing:	7582876	Location:	Arnes	Project manager:	Søren Lund Jensen	
Easting:	581376	Elevation:	370 meter [asl]	Drill method:	Core	
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc 10 ⁻⁵ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Bl	Chl	Tc	Cs			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
154				149076													68	21	4		30	BOX 27	
155																						0,04	
156				149077													302	70	6		51	0,10	
157	E	157.0-157.8m: Ol-Norite! Sharp contact to a Opx dominated Ol-noritic band. Epigenetic? Sulphide mineralisation @ contacts.				1																0,20	
158	D	157.8-160.2m: Norite! Gradual transition from Ol-norite to norite. The f-mgnd norite (Ol 5%, Opx 30%, Cpx 40%, Pl 25%) is spotted by mdgrd Opx from 157.4m and downwards. Accessoric phi clusters occur with felsic horizons. These felsic spots or areas all have weak and irregular boundaries.		149078													131	25	5		37	0,12	
159																						0,08	
160	D	160.2-162.15m: Norite! Pl-rich norite (Ol 45%, Opx 1%, Cpx 3%, Pl 50%). This composition would plot as a troctolite but the Ol - Opx distribution is very unsure, and it is likely that a greater part of the olivine is actually hypersten (Opx)! Extensive hairline thin shearing, now appearing as irregular hbl - phi veins with no apparent orientation.		149079																		BOX 28	
161																						0,04	
162	E	162.15-163.15m: Norite! 3 horizons or bands of mdgrd-cgrd felsic noritic rock with sharp boundaries (magmatic rhythmic layering). From top to bottom: cgrd pegmatoidal leuconorite grading down to a mdgrd Ol-norite. The boundaries are marked by a thin phi layer.		149080													71	23	4		31	0,06	
163	E	163.15-167.1m: Ol-Norite! Mdgrd homogeneous norite (Ol 40%, Opx <2%, Cpx 13%, Pl 45%). Hair line thin phi fractures.		149081													87	23	4		33	0,08	
164																						0,06	
165																						0,20	
166				149082													80	21	5		32	BOX 29	
167	E	167.1-168.5m: Ol-Norite! Analogue to 162.15-163.15m but not as outspoken!																				0,12	
168				149083													59	15	4		27	0,02	
169	E	168.5-169.2m: Ol-Norite! Gradual transition over c. 20cm to a mdgrd homog. Cpx-bearing Ol-norite (Ol 55-60%, Opx <5%, Cpx 15-20%, Pl 10%). Accessoric phi occurs as dispersed patches of 1-5mm bands.																				0,10	
170	D	169.2-174.6m: Norite! Gradual transition from Cpx bearing Ol-norite to a homog. Mdgrd Pl-rich norite. Ol decrease! (Ol 30%, Opx <5%, Cpx 10%, Pl																				0,08	

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Northing:	7582876	Elevation:	370 meter [asl]	Drill method:	Core
Easting:	581376	Geologist:	Mikkel Vognsen	Core:	TT46 Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen/Martin Jebens	Length:	232,90 meter
Bearing:	180°	Logged date:	30. september 2006	Average REC/RQD:	99 pct. / 98.2 pct.
Dip:	-45°	Survey date:	-	by:	Casing/overburden: 4,2 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
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[illegible]

YEAR		2006		Log of Borehole																		
Drill Date:		29. Sep		SH																		
HOLE ID:		SH-001		Ballangen DDH-06 SH-001																		
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen												
Northing:		7582876		Elevation:		370 meter [asl]		Drill method:		Core												
Easting:		581376		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm								
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens		Length:		232,90 meter		Average REC/RQD:		99 pct. / 98.2 pct.								
Bearing:		180°		Logged date:		30. september 2006		Casing/overburden:		4,2 meter												
Dip:		-45°		Survey date:				by:														
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																				
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Neg Sulf. 10 %
		Description			Pb	Pn	Cp	Gph	X		Grt	Bi	Ch	Tc			Cs	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
204	H	204.5-207.4m: Compositional change. Cpx increase. Mdgrd Cpx-rich pyroxenite (Ol 30%, Opx 20%, Cpx 40%, Act 5%, Pl 5%). Op+Ox occur as 1-5mm spots or aggregates. No alteration of Opx.		149101													351	97	5	52	0,06	
205																						
206				149102																	BOX 36	
207	E	207.4-211.0m: Ol-Noritel! Gradual transition to a Opx spotted Ol-norite with felsic material gradually increasing to 211.0m																			0,12	
208				149103													207	60	4	38	0,10	
209																					0,02	
210	H	211.0-215.6m: Pyroxenitel! Opx-rich f-mdgrd pyroxenite (Ol 25%, Opx 40%, Cpx 20%, Hbl 10%, Pl 5%). Acc. Phl clusters.		149104													372	81	5	52	0,04	
211																						
212		212.0m: Mineralisation. Dessiminated sulphides @ 212.0-212.2m.		149105													767	161	8	102	BOX 37	
213																					0,30	
214	H	214.9-215.15m: Alteration! Microshearing leading to chl-bt-tc alteration.		149106													676	147	8	92	0,28	
215																					0,26	
216		215.6-218.0m: Pyroxenitel! Sharp change to a Cpx-Opx Pyroxenite (Ol-webstente) (Ol 25%, Opx 20%, Cpx 30%, Pl 10%, phl 5%). No visible mineralisation.		149107													303	67	5	45	0,18	
217		217.0m: Felsic veing with Bt and Ky																			0,17	
218	E	218.0-219.6m: Compositional change. Opx increase, Cpx decrease. Traces of sulphides. Few chl-tc fractures.		149108	tr												541	95	8	82	BOX 38	
219																					0,15	
220		219.6-220.2m: Ol-Noritel! Gradual transition to Cpx rich Ol-norite (Ol 20%, Opx 10%, Cpx 40%, Pl 30%). Rare Phl flakes.																			0,30	
221	D	220.2-221.0m: Noritel! Few opx spots (mm).		149109													245	75	5	46	0,16	
222																						

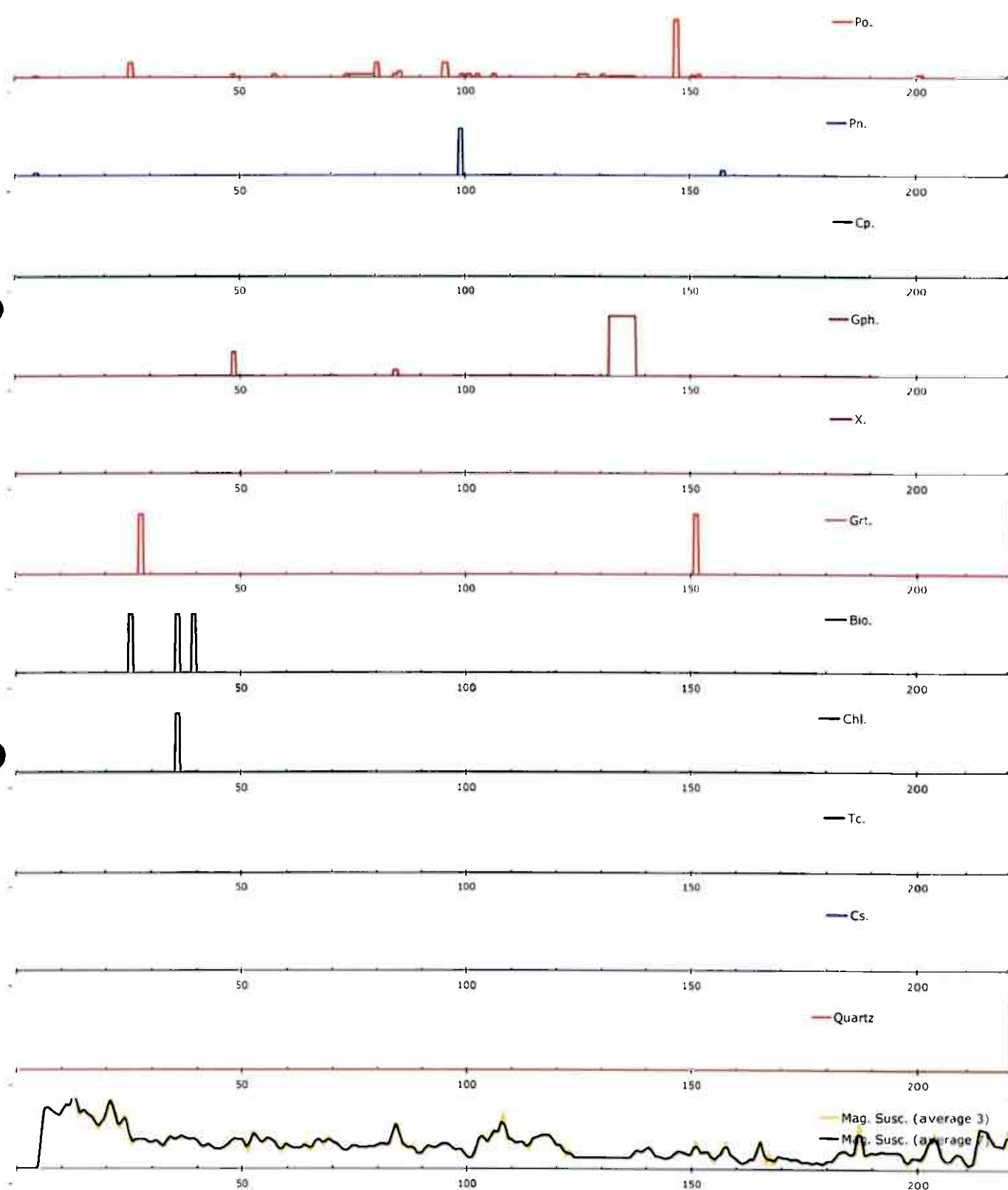
YEAR		2006		Log of Borehole		SH	
Drill Date:		29. Sep		Ballangen DDH-06 SH-001			
HOLE ID:		SH-001					
Project:		Ballangen		Location:		Arnes	
Northing:		7582876		Elevation:		370 meter [asl]	
Easting:		581376		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens	
Bearing:		180°		Logged date:		30. september 2006	
Dip:		-45°		Survey date:		by:	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		Project manager:		Søren Lund Jensen	
				Drill method:		Core	
				Core:		TT46 Diameter: 35,6 mm	
				Length:		232,90 meter	
				Average REC/RQD:		99 pct. / 98.2 pct.	
				Casing/overburden:		4,2 meter	
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[illegible]

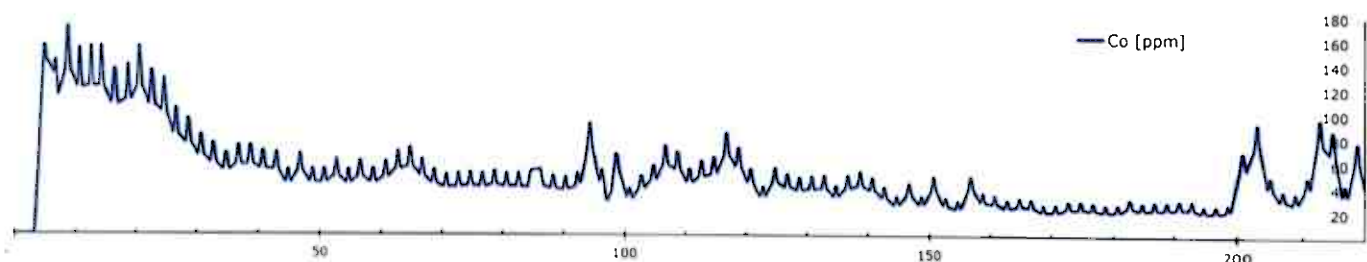
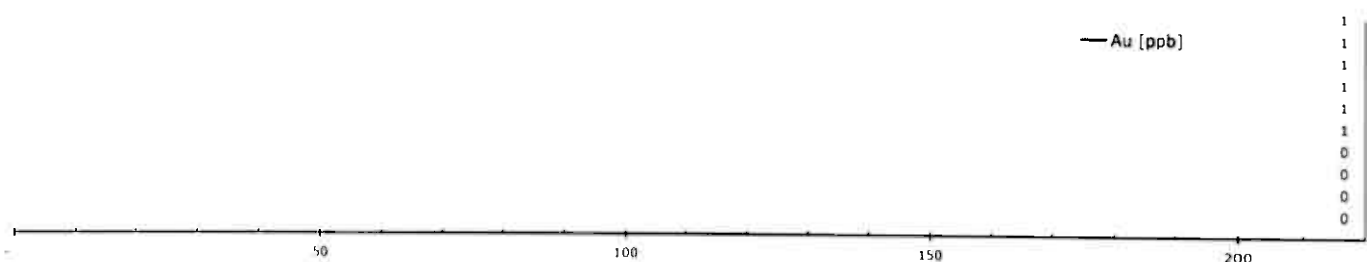
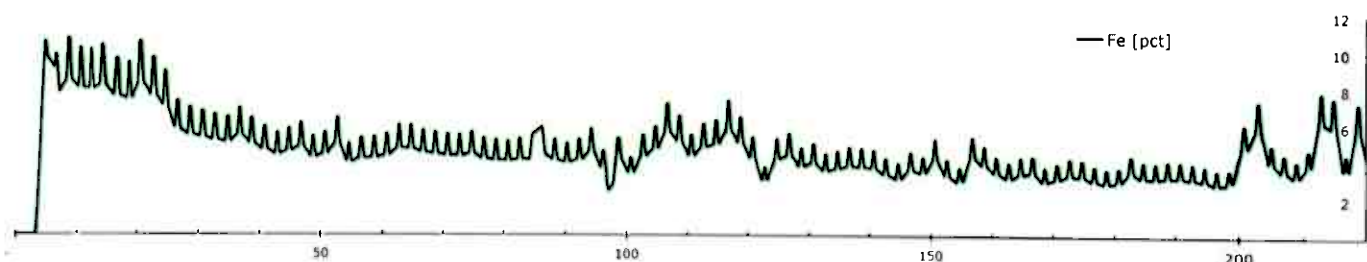
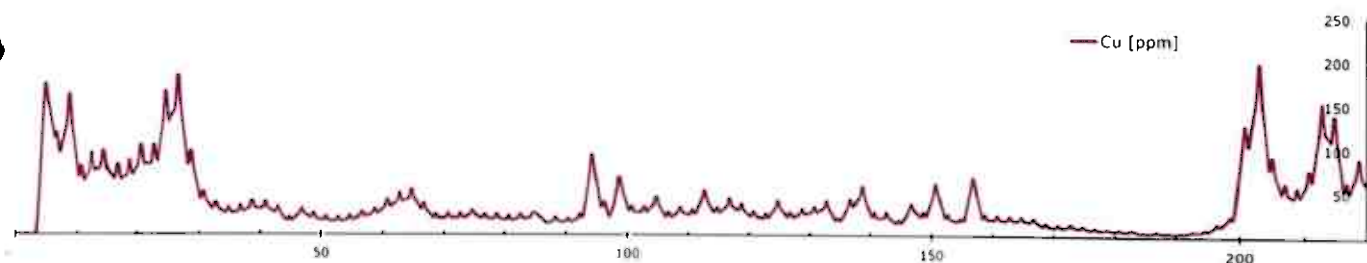
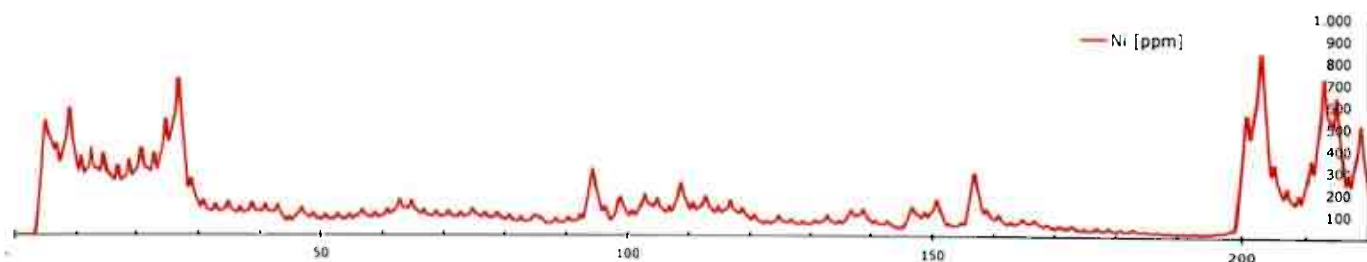
BOX 40

BOX 75

YEAR	2006	Log of Borehole				SH	
Drill Date:	29. Sep	Ballangen DDH-06 SH-001					
HOLE ID:	SH-001						
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7582876	Elevation:	370 meter [asl]	Drill method:	Core		
Easting:	581376	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter:	35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen/Martin Jebens	Length:	232,90 meter		
Bearing:	180°	Logged date:	30. september 2006	Average REC/RQD:	99 pct. / 98.2 pct.		
Dip:	-45°	Survey date:	-	by:	-	Casing/overburden:	4,2 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							



YEAR	2006	Log of Borehole				SH
Drill Date:	29. Sep	Ballangen DDH-06 SH-001				
HOLE ID:	SH-001					
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen	
Northing:	7582876	Elevation:	370 meter [asl]	Drill method:	Core	
Easting:	581376	Geologist:	Mikkel Vognsen	Core:	TT46 Diameter: 35,6 mm	
Datum:	WGS84	Logged by:	Mikkel Vognsen/Martin Jebens	Length:	232,90 meter	
Bearing:	180°	Logged date:	30. september 2006	Average REC/RQD:	99 pct. / 98.2 pct.	
Dip:	-45°	Survey date:		by:	Casing/overburden: 4,2 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	233 meter
Casing/Overburden	4,2 meter

BOX 1	5,93 m	GOOD
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Date: 29 sep 06
4,20 - to - 10,13

DIP ANGLE

RECOVERY

Total	Solid	Modified
[cm]	[cm]	[cm]

Fractures

Foliation
or bedding

REC		RQD	Degrees from horizontal
95,8	91,7	85,5	
6,00			1. Row 45°
10,00		10,00	2. Row 40°
9,00		9,00	3. Row 50°
7,00			4. Row 90°
6,00			5. Row 35°
9,00		9,00	6. Row 50°
7,00			7. Row
7,00			
4,00			
2,00	NI		
1,00	NI		
28,00		28,00	
30,00		30,00	
9,00	NI		1. Row
50,00		50,00	2. Row 0,40
90,00		90,00	3. Row 0,45
46,00		46,00	4. Row 0,42
18,00		18,00	5. Row 0,40
12,00	NI		6. Row 0,38
21,00		21,00	7. Row
98,00		98,00	
98,00		98,00	

Magnetic Susceptibility

1. Row	
2. Row	0,40
3. Row	0,45
4. Row	0,42
5. Row	0,40
6. Row	0,38
7. Row	

Measurement at

1. Row	4,62 m
2. Row	5,47 m
3. Row	6,32 m
4. Row	7,17 m
5. Row	8,01 m
6. Row	8,86 m
7. Row	9,71 m

BOX 2 5,57 m **EXCELLENT**

Date: 29 sep 06			DIP ANGLE	
10,13 - to - 15,70			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	96,9	96,9		
60,00		60,00	1. Row	90°
38,00		38,00	2. Row	35°
8,00	NI		3. Row	45°
32,00		32,00	4. Row	60°
57,00		57,00	5. Row	35°
8,00		8,00	6. Row	50°
90,00		90,00	7. Row	
19,00		19,00		
25,00		25,00		
47,00		47,00		
99,00		99,00		
9,00		9,00		
56,00		56,00		
9,00	NI			

Magnetic Susceptibility

1. Row	0,47
2. Row	0,44
3. Row	0,46
4. Row	0,60
5. Row	0,37
6. Row	0,42
7. Row	

Measurement at

1. Row	10,53 m
2. Row	11,32 m
3. Row	12,12 m
4. Row	12,92 m
5. Row	13,71 m
6. Row	14,51 m
7. Row	15,30 m

BOX 3 5,80 m **EXCELLENT**

Date: 29 sep 06			DIP ANGLE	
15,70 - to - 21,50			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,3	99,3	99,3		
100,00		100,00	1. Row	
98,00		98,00	2. Row	55°
20,00		20,00	3. Row	70°
69,00		69,00	4. Row	70°
99,00		99,00	5. Row	50°
20,00		20,00	6. Row	40°
71,00		71,00	7. Row	
99,00		99,00		

Magnetic Susceptibility

1. Row	0,36
2. Row	0,38
3. Row	0,28
4. Row	0,35
5. Row	0,34
6. Row	0,49
7. Row	

Measurement at

1. Row	16,11 m
2. Row	16,94 m
3. Row	17,77 m
4. Row	18,60 m
5. Row	19,43 m
6. Row	20,26 m
7. Row	21,09 m

BOX 4			5,83 m	EXCELLENT
Date: 29 sep 06			DIP ANGLE	
21,50 - to - 27,33				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,1	93,1	93,1		
17,00	Ni		1. Row	80°
24,00		24,00	2. Row	55°
58,00		58,00	3. Row	30°
29,00		29,00	4. Row	50°
12,00		12,00	5. Row	35°
52,00		52,00	6. Row	55°
95,00		95,00	7. Row	
99,00		99,00		
8,00	NI			
31,00		31,00		
56,00		56,00		
10,00	NI			
87,00		87,00		

Magnetic Susceptibility	
1. Row	0,34
2. Row	0,28
3. Row	0,38
4. Row	0,33
5. Row	0,17
6. Row	0,21
7. Row	

Measurement at	
1. Row	21,92 m
2. Row	22,75 m
3. Row	23,58 m
4. Row	24,42 m
5. Row	25,25 m
6. Row	26,08 m
7. Row	26,91 m

BOX 5			5,76 m	EXCELLENT
Date: 29 sep 06			DIP ANGLE	
27,33 - to - 33,09				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,6	98,6	98,6		
29,00		29,00	1. Row	60°
49,00		49,00	2. Row	45°
16,00		16,00	3. Row	45°
47,00		47,00	4. Row	
17,00		17,00	5. Row	30°
28,00		28,00	6. Row	
98,00		98,00	7. Row	
50,00		50,00		
47,00		47,00		
59,00		59,00		
34,00		34,00		
19,00		19,00		
17,00		17,00		
58,00		58,00		

Magnetic Susceptibility	
1. Row	0,21
2. Row	0,21
3. Row	0,18
4. Row	0,20
5. Row	0,20
6. Row	0,16
7. Row	

Measurement at	
1. Row	27,74 m
2. Row	28,56 m
3. Row	29,39 m
4. Row	30,21 m
5. Row	31,03 m
6. Row	31,86 m
7. Row	32,68 m

BOX 6	5,70 m	EXCELLENT
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Date: 29 sep 06			DIP ANGLE	
33,09 - to - 38,79				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
98,9	98,9	98,0	
15,00		15,00	1. Row 30°
30,00		30,00	2. Row
41,50		41,50	3. Row 45°
12,00		12,00	4. Row 45°
73,00		73,00	5. Row 37°
16,50		16,50	6. Row 30°
90,50		90,50	7. Row
98,00		98,00	
88,00		88,00	
5,00			
12,00		12,00	
52,00		52,00	
30,00		30,00	

Magnetic Susceptibility	
1. Row	0,24
2. Row	0,22
3. Row	0,20
4. Row	0,24
5. Row	0,23
6. Row	0,21
7. Row	

Measurement at	
1. Row	33,50 m
2. Row	34,31 m
3. Row	35,13 m
4. Row	35,94 m
5. Row	36,75 m
6. Row	37,57 m
7. Row	38,38 m

BOX 7	5,78 m	EXCELLENT
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Date: 30 sep 06			DIP ANGLE	
38,79 - to - 44,57				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
97,1	97,1	97,1	
97,00		97,00	1. Row 18°
31,00		31,00	2. Row 65°
61,00		61,00	3. Row 35°
93,00		93,00	4. Row 60°
78,00		78,00	5. Row 55°
13,00		13,00	6. Row 40°
41,00		41,00	7. Row
46,00		46,00	
101,00		101,00	

Magnetic Susceptibility	
1. Row	0,22
2. Row	0,18
3. Row	0,15
4. Row	0,17
5. Row	0,18
6. Row	0,14
7. Row	

Measurement at	
1. Row	39,20 m
2. Row	40,03 m
3. Row	40,85 m
4. Row	41,68 m
5. Row	42,51 m
6. Row	43,33 m
7. Row	44,16 m

BOX 8	6,11 m	EXCELLENT
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Date: 30 sep 06			DIP ANGLE	
44,57 - to - 50,68				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
93,0	93,0	93,0	
68,00		68,00	1. Row 55°
21,50		21,50	2. Row 60°
92,50		92,50	3. Row 35°
30,00		30,00	4. Row 42°
69,00		69,00	5. Row 40°
84,00		84,00	6. Row 45°
10,00		10,00	7. Row
93,50		93,50	
100,00		100,00	

Magnetic Susceptibility

1. Row	0,14
2. Row	0,16
3. Row	0,18
4. Row	0,22
5. Row	0,21
6. Row	
7. Row	

Measurement at

1. Row	45,01 m
2. Row	45,88 m
3. Row	46,75 m
4. Row	47,63 m
5. Row	48,50 m
6. Row	49,37 m
7. Row	50,24 m

BOX 9	5,66 m	EXCELLENT
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Date: 30 sep 06			DIP ANGLE	
50,68 - to - 56,34				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,2	99,2	99,2	
62,00		62,00	1. Row
30,00		30,00	2. Row
93,50		93,50	3. Row 65°
96,00		96,00	4. Row
56,00		56,00	5. Row 45°
29,00		29,00	6. Row
99,00		99,00	7. Row
96,00		96,00	

Magnetic Susceptibility

1. Row	0,10
2. Row	0,27
3. Row	0,24
4. Row	0,21
5. Row	0,17
6. Row	0,22
7. Row	

Measurement at

1. Row	51,08 m
2. Row	51,89 m
3. Row	52,70 m
4. Row	53,51 m
5. Row	54,32 m
6. Row	55,13 m
7. Row	55,94 m

BOX 10			5,39 m	EXCELLENT
Date: 30 sep 06			DIP ANGLE	
56,34 - to - 61,73			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
100,0	100,0	
75,00	75,00	1. Row
13,00	13,00	2. Row
96,00	96,00	3. Row
98,00	98,00	4. Row
94,50	94,50	5. Row
97,00	97,00	6. Row
65,50	65,50	7. Row

Magnetic Susceptibility	
1. Row	0,20
2. Row	0,18
3. Row	0,11
4. Row	0,18
5. Row	0,18
6. Row	0,15
7. Row	

Measurement at	
1. Row	56,73 m
2. Row	57,50 m
3. Row	58,27 m
4. Row	59,04 m
5. Row	59,81 m
6. Row	60,58 m
7. Row	61,35 m

BOX 11			5,81 m	EXCELLENT	
Date: 30 sep 06			DIP ANGLE		
61,73 - to - 67,54			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC	RQD	Degrees from horizontal
100,0	100,0	
99,50	99,50	1. Row
9,00	9,00	2. Row
86,00	86,00	3. Row
98,00	98,00	4. Row
96,50	96,50	5. Row
21,00	21,00	6. Row 35°
76,50	76,50	7. Row
94,50	94,50	

Magnetic Susceptibility	
1. Row	0,15
2. Row	0,15
3. Row	0,19
4. Row	0,12
5. Row	0,18
6. Row	0,21
7. Row	

Measurement at	
1. Row	62,15 m
2. Row	62,98 m
3. Row	63,81 m
4. Row	64,64 m
5. Row	65,47 m
6. Row	66,30 m
7. Row	67,13 m

BOX 12	5,79 m	EXCELLENT
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Date: 30 sep 06			DIP ANGLE	
67,54 - to - 73,33				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
98,00		98,00	1. Row
28,00		28,00	2. Row 40°
68,50		68,50	3. Row 40°
99,00		99,00	4. Row
96,00		96,00	5. Row 40°
14,00		14,00	6. Row 40°
26,00		26,00	7. Row
58,00		58,00	
20,00		20,00	
71,50		71,50	

Magnetic Susceptibility

1. Row	0,16
2. Row	0,23
3. Row	0,18
4. Row	0,19
5. Row	0,15
6. Row	0,13
7. Row	

Measurement at

1. Row	67,95 m
2. Row	68,78 m
3. Row	69,61 m
4. Row	70,44 m
5. Row	71,26 m
6. Row	72,09 m
7. Row	72,92 m

BOX 13	5,75 m	EXCELLENT
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Date: 30 sep 06			DIP ANGLE	
73,33 - to - 79,08				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
94,00		94,00	1. Row
53,00		53,00	2. Row 45°
41,50		41,50	3. Row
46,00		46,00	4. Row 60°
51,00		51,00	5. Row 65°
44,00		44,00	6. Row
52,00		52,00	7. Row
100,00		100,00	
84,50		84,50	
9,00		9,00	

Magnetic Susceptibility

1. Row	0,15
2. Row	0,18
3. Row	0,15
4. Row	0,16
5. Row	0,15
6. Row	0,16
7. Row	

Measurement at

1. Row	73,74 m
2. Row	74,56 m
3. Row	75,38 m
4. Row	76,21 m
5. Row	77,03 m
6. Row	77,85 m
7. Row	78,67 m

BOX 14	5,66 m	EXCELLENT
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Date: 30 sep 06
79,08 - to - 84,74

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures	Foliation or bedding
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REC 100,0	100,0	RQD 100,0	Degrees from horizontal
99,00		99,00	1. Row
73,00		73,00	2. Row 45°
20,00		20,00	3. Row 55°
93,50		93,50	4. Row
97,00		97,00	5. Row 65°
93,00		93,00	6. Row 50°
56,00		56,00	7. Row
34,50		34,50	

**Magnetic
Susceptibility**

1. Row	0,16
2. Row	0,18
3. Row	0,18
4. Row	0,17
5. Row	0,18
6. Row	0,32
7. Row	

Measurement at

1. Row	79,48 m
2. Row	80,29 m
3. Row	81,10 m
4. Row	81,91 m
5. Row	82,72 m
6. Row	83,53 m
7. Row	84,34 m

BOX 15	5,56 m	EXCELLENT
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Date: 30 sep 06
84,74 - to - 90,30

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures	Foliation or bedding
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REC 99,2	99,2	RQD 99,2	Degrees from horizontal
12,00		12,00	1. Row 45°
98,00		98,00	2. Row
96,50		96,50	3. Row 50°
29,50		29,50	4. Row 45°
54,00		54,00	5. Row
94,50		94,50	6. Row
97,00		97,00	7. Row
70,00		70,00	

**Magnetic
Susceptibility**

1. Row	0,17
2. Row	0,18
3. Row	0,13
4. Row	0,18
5. Row	0,11
6. Row	
7. Row	

Measurement at

1. Row	85,14 m
2. Row	85,93 m
3. Row	86,73 m
4. Row	87,52 m
5. Row	88,31 m
6. Row	89,11 m
7. Row	89,90 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	233 meter
Casing/Overburden	4,2 meter

BOX 16		5,62 m	EXCELLENT	
Date:		30 sep 06		DIP ANGLE
90,30 - to -		95,92		
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
95,00	95,00	1. Row
98,00	98,00	2. Row 60°
67,00	67,00	3. Row 60°
27,00	27,00	4. Row 60°
96,00	96,00	5. Row
93,00	93,00	6. Row
86,00	86,00	7. Row

Magnetic Susceptibility

1. Row	0,17
2. Row	0,16
3. Row	0,15
4. Row	0,15
5. Row	0,18
6. Row	
7. Row	

Measurement at

1. Row	90,70 m
2. Row	91,50 m
3. Row	92,31 m
4. Row	93,11 m
5. Row	93,91 m
6. Row	94,72 m
7. Row	95,52 m

BOX 17			5,80 m	EXCELLENT
Date: 01 okt 06			DIP ANGLE	
95,92 - to - 101,72				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
95,50		95,50	1. Row	
98,50		98,50	2. Row	
96,50		96,50	3. Row	
97,00		97,00	4. Row	75°
99,00		99,00	5. Row	
93,50		93,50	6. Row	65°
			7. Row	

Magnetic Susceptibility

1. Row	0,16
2. Row	0,13
3. Row	0,14
4. Row	0,14
5. Row	0,08
6. Row	0,08
7. Row	

Measurement at

1. Row	96,33 m
2. Row	97,16 m
3. Row	97,99 m
4. Row	98,82 m
5. Row	99,65 m
6. Row	100,48 m
7. Row	101,31 m

BOX 18			5,86 m	EXCELLENT
Date: 01 okt 06			DIP ANGLE	
101,72 - to - 107,58				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 97,6	97,6	RQD 96,4	Degrees from horizontal	
95,00		95,00	1. Row	
7,00			2. Row	65°
86,50		86,50	3. Row	55°
97,00		97,00	4. Row	70°
28,00		28,00	5. Row	40°
67,50		67,50	6. Row	
94,00		94,00	7. Row	
97,00		97,00		

Magnetic Susceptibility

1. Row	0,18
2. Row	0,25
3. Row	0,20
4. Row	0,18
5. Row	0,28
6. Row	0,26
7. Row	

Measurement at

1. Row	102,14 m
2. Row	102,98 m
3. Row	103,81 m
4. Row	104,65 m
5. Row	105,49 m
6. Row	106,32 m
7. Row	107,16 m

BOX 19	5,52 m	EXCELLENT
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Date: 01 okt 06	DIP ANGLE
107,58 - to - 113,10	
RECOVERY	
Total Solid Modified	Fractures Foliation or bedding
[cm] [cm] [cm]	

REC		RQD	Degrees from horizontal
100,0	100,0	100,0	
98,00		98,00	1. Row 20°
93,00		93,00	2. Row 40°
87,00		87,00	3. Row 80°
68,50		68,50	4. Row 65°
21,00		21,00	5. Row 90°
97,00		97,00	6. Row 45°
87,50		87,50	7. Row

Magnetic Susceptibility

1. Row	0,41
2. Row	0,20
3. Row	0,23
4. Row	0,18
5. Row	0,19
6. Row	
7. Row	

Measurement at

1. Row	107,97 m
2. Row	108,76 m
3. Row	109,55 m
4. Row	110,34 m
5. Row	111,13 m
6. Row	111,92 m
7. Row	112,71 m

BOX 20	5,83 m	EXCELLENT
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Date: 01 okt 06	DIP ANGLE
113,10 - to - 118,93	
RECOVERY	
Total Solid Modified	Fractures Foliation or bedding
[cm] [cm] [cm]	

REC		RQD	Degrees from horizontal
96,1	94,9	94,4	
94,00		94,00	1. Row 20°
94,00		94,00	2. Row
54,50		54,50	3. Row 35°
2,00	NI		4. Row 30°
15,00		15,00	5. Row 25°
3,00			6. Row 55°
19,00		19,00	7. Row
96,00		96,00	
20,00		20,00	
70,00		70,00	
39,00		39,00	
49,00		49,00	
5,00	NI		

Magnetic Susceptibility

1. Row	0,13
2. Row	0,22
3. Row	0,22
4. Row	0,24
5. Row	
6. Row	
7. Row	

Measurement at

1. Row	113,52 m
2. Row	114,35 m
3. Row	115,18 m
4. Row	116,02 m
5. Row	116,85 m
6. Row	117,68 m
7. Row	118,51 m

BOX 21	5,45 m	EXCELLENT
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Date: 01 okt 06			DIP ANGLE	
118,93 - to - 124,38			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	99,1	98,0		
92,00		92,00	1. Row	40°
85,50		85,50	2. Row	40°
6,00			3. Row	45°
61,00		61,00	4. Row	55°
3,50	NI		5. Row	40°
1,50	NI		6. Row	55°
30,50		30,50	7. Row	
92,00		92,00		
92,00		92,00		
81,00		81,00		

Magnetic Susceptibility

1. Row	0,18
2. Row	0,16
3. Row	0,18
4. Row	0,08
5. Row	0,14
6. Row	0,08
7. Row	

Measurement at

1. Row	119,32 m
2. Row	120,10 m
3. Row	120,88 m
4. Row	121,66 m
5. Row	122,43 m
6. Row	123,21 m
7. Row	123,99 m

BOX 22	5,52 m	EXCELLENT
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Date: 01 okt 06			DIP ANGLE	
124,38 - to - 129,90			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
72,00		72,00	1. Row	72°
24,00		24,00	2. Row	42°
96,00		96,00	3. Row	
100,00		100,00	4. Row	35°
98,00		98,00	5. Row	
93,50		93,50	6. Row	
68,50		68,50	7. Row	

Magnetic Susceptibility

1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at

1. Row	124,77 m
2. Row	125,56 m
3. Row	126,35 m
4. Row	127,14 m
5. Row	127,93 m
6. Row	128,72 m
7. Row	129,51 m

BOX 23		7,07 m	EXCELLENT	
Date:		01 okt 06		DIP ANGLE
129,90			136,97	
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
95,8	95,8	95,8		
93,00		93,00	1. Row	30°
99,00		99,00	2. Row	
92,00		92,00	3. Row	
7,50		7,50	4. Row	
98,00		98,00	5. Row	70°
99,00		99,00	6. Row	
89,00		89,00	7. Row	
7,50		7,50		
92,50		92,50		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 130,41 m
2. Row 131,42 m
3. Row 132,43 m
4. Row 133,44 m
5. Row 134,45 m
6. Row 135,46 m
7. Row 136,47 m

BOX 24		5,85 m	EXCELLENT	
Date:		01 okt 06		DIP ANGLE
136,97	- to -		142,82	
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,1	99,1	99,1		
92,00		92,00	1. Row	
98,00		98,00	2. Row	
97,50		97,50	3. Row	
96,00		96,00	4. Row	
96,50		96,50	5. Row	
99,50		99,50	6. Row	
			7. Row	

Magnetic Susceptibility

1. Row 0,14
2. Row 0,12
3. Row 0,12
4. Row 0,15
5. Row 0,16
6. Row 0,09
7. Row

Measurement at

1. Row 137,39 m
2. Row 138,22 m
3. Row 139,06 m
4. Row 139,90 m
5. Row 140,73 m
6. Row 141,57 m
7. Row 142,40 m

BOX 25			5,73 m	EXCELLENT
Date: 01 okt 06		DIP ANGLE		
142,82 - to - 148,55				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
8,00		8,00	1. Row	
86,00		86,00	2. Row	63°
96,00		96,00	3. Row	
96,00		96,00	4. Row	
100,00		100,00	5. Row	
100,00		100,00	6. Row	
87,00		87,00	7. Row	

Magnetic Susceptibility

1. Row	0,08
2. Row	0,07
3. Row	0,08
4. Row	0,09
5. Row	0,13
6. Row	0,12
7. Row	

Measurement at

1. Row	143,23 m
2. Row	144,05 m
3. Row	144,87 m
4. Row	145,69 m
5. Row	146,50 m
6. Row	147,32 m
7. Row	148,14 m

BOX 26			5,80 m	EXCELLENT
Date: 01 okt 06		DIP ANGLE		
148,55 - to - 154,35				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
35,00		35,00	1. Row	
14,00		14,00	2. Row	
48,00		48,00	3. Row	
38,00		38,00	4. Row	
61,50		61,50	5. Row	
35,00		35,00	6. Row	
39,00		39,00	7. Row	
25,50		25,50		
9,00		9,00		
20,00		20,00		
30,50		30,50		
38,00		38,00		
49,00		49,00		
36,50		36,50		
13,00		13,00		
88,00		88,00		

Magnetic Susceptibility

1. Row	0,10
2. Row	0,10
3. Row	0,21
4. Row	0,11
5. Row	0,12
6. Row	
7. Row	

Measurement at

1. Row	148,96 m
2. Row	149,79 m
3. Row	150,62 m
4. Row	151,45 m
5. Row	152,28 m
6. Row	153,11 m
7. Row	153,94 m

BOX 27			5,80 m	EXCELLENT
Date:		02 okt 06		
154,35		- to - 160,15		
RECOVERY			DIP ANGLE	
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal		
99,6	99,6	99,6		
51,00	51,00	1. Row		
42,00	42,00	2. Row		
97,00	97,00	3. Row	70°	
98,00	98,00	4. Row	85°	
97,50	97,50	5. Row		
97,00	97,00	6. Row		
95,00	95,00	7. Row		

Magnetic Susceptibility

1. Row	0,04
2. Row	0,10
3. Row	0,10
4. Row	0,20
5. Row	0,12
6. Row	0,08
7. Row	

Measurement at

1. Row	154,76 m
2. Row	155,59 m
3. Row	156,42 m
4. Row	157,25 m
5. Row	158,08 m
6. Row	158,91 m
7. Row	159,74 m

BOX 28			5,74 m	EXCELLENT
Date:		02 okt 06		
160,15		- to - 165,89		
RECOVERY			DIP ANGLE	
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal		
99,7	99,7	99,7		
70,50	70,50	1. Row		
24,00	24,00	2. Row		
96,00	96,00	3. Row		
94,50	94,50	4. Row		
45,50	45,50	5. Row		
48,50	48,50	6. Row		
51,00	51,00	7. Row		
45,00	45,00			
53,50	53,50			
44,00	44,00			

Magnetic Susceptibility

1. Row	0,04
2. Row	0,04
3. Row	0,06
4. Row	0,08
5. Row	0,06
6. Row	0,20
7. Row	

Measurement at

1. Row	160,56 m
2. Row	161,38 m
3. Row	162,20 m
4. Row	163,02 m
5. Row	163,84 m
6. Row	164,66 m
7. Row	165,48 m

BOX 29	5,78 m	EXCELLENT
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Date: 02 okt 06	DIP ANGLE
165,89 - to - 171,67	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	
	Fractures
	Foliation or bedding

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
94,50		94,50	1. Row
65,00		65,00	2. Row
88,50		88,50	3. Row
48,00		48,00	4. Row 65°
48,00		48,00	5. Row 65°
			6. Row
			7. Row
46,50		46,50	
96,00		96,00	
91,50		91,50	

Magnetic Susceptibility

1. Row	0,02
2. Row	0,12
3. Row	0,02
4. Row	0,10
5. Row	0,08
6. Row	0,08
7. Row	

Measurement at

1. Row	166,30 m
2. Row	167,13 m
3. Row	167,95 m
4. Row	168,78 m
5. Row	169,61 m
6. Row	170,43 m
7. Row	171,26 m

BOX 30	5,71 m	EXCELLENT
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Date: 02 okt 06	DIP ANGLE
171,67 - to - 177,38	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	
	Fractures
	Foliation or bedding

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
96,50		96,50	1. Row
27,00		27,00	2. Row
45,00		45,00	3. Row
18,50		18,50	4. Row
65,50		65,50	5. Row
30,00		30,00	6. Row
97,50		97,50	7. Row
35,00		35,00	
47,00		47,00	
16,50		16,50	
34,00		34,00	
51,00		51,00	
7,50		7,50	

Magnetic Susceptibility

1. Row	0,06
2. Row	0,08
3. Row	0,06
4. Row	0,04
5. Row	0,06
6. Row	0,04
7. Row	

Measurement at

1. Row	172,08 m
2. Row	172,89 m
3. Row	173,71 m
4. Row	174,53 m
5. Row	175,34 m
6. Row	176,16 m
7. Row	176,97 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	233 meter
Casing/Overburden	4,2 meter

BOX 31	5,91 m	EXCELLENT
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Date:	02 okt 06
177,38 - to - 183,29	

DIP ANGLE
RECOVERY

Total	Solid	Modified
[cm]	[cm]	[cm]

Fractures

Foliation
or bedding

REC	RQD
98,2	98,2

**Degrees from
horizontal**

38,00	38,00	1. Row
55,00	55,00	2. Row
59,00	59,00	3. Row
37,00	37,00	4. Row
98,00	98,00	5. Row
28,50	28,50	6. Row
70,00	70,00	7. Row
25,50	25,50	
72,50	72,50	
97,00	97,00	

**Magnetic
Susceptibility**

1. Row	0,06
2. Row	0,02
3. Row	0,06
4. Row	0,06
5. Row	0,06
6. Row	0,12
7. Row	

Measurement at

1. Row	177,80 m
2. Row	178,65 m
3. Row	179,49 m
4. Row	180,34 m
5. Row	181,18 m
6. Row	182,02 m
7. Row	182,87 m

BOX 32	5,69 m	EXCELLENT
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Date: 02 okt 06			DIP ANGLE	
183,29 - to - 188,98				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	100,0	RQD	100,0	Degrees from horizontal
98,50		98,50		1. Row
63,00		63,00		2. Row
27,50		27,50		3. Row
94,50		94,50		4. Row
94,50		94,50		5. Row 60°
97,00		97,00		6. Row
94,00		94,00		7. Row

Magnetic Susceptibility

1. Row	0,14
2. Row	0,11
3. Row	0,10
4. Row	0,12
5. Row	0,38
6. Row	0,10
7. Row	

Measurement at

1. Row	183,70 m
2. Row	184,51 m
3. Row	185,32 m
4. Row	186,14 m
5. Row	186,95 m
6. Row	187,76 m
7. Row	188,57 m

BOX 33	5,60 m	EXCELLENT
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Date: 02 okt 06			DIP ANGLE	
188,98 - to - 194,58				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	100,0	RQD	99,0	Degrees from horizontal
2,50		NI		1. Row
92,50		92,50		2. Row
3,00		NI		3. Row
85,50		85,50		4. Row
8,50		8,50		5. Row
85,00		85,00		6. Row 70°
96,00		96,00		7. Row
96,50		96,50		
90,50		90,50		

Magnetic Susceptibility

1. Row	0,12
2. Row	0,12
3. Row	0,11
4. Row	0,13
5. Row	0,12
6. Row	0,12
7. Row	

Measurement at

1. Row	189,38 m
2. Row	190,18 m
3. Row	190,98 m
4. Row	191,78 m
5. Row	192,58 m
6. Row	193,38 m
7. Row	194,18 m

BOX 34	5,72 m	EXCELLENT
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Date:			DIP ANGLE	
194,58 - to - 200,30			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
100,0	100,0	100,0	
95,50		95,50	1. Row
97,00		97,00	2. Row
40,00		40,00	3. Row
50,50		50,50	4. Row
97,00		97,00	5. Row
99,00		99,00	6. Row
93,00		93,00	7. Row

Magnetic Susceptibility

1. Row	0,00
2. Row	0,12
3. Row	0,10
4. Row	0,02
5. Row	0,08
6. Row	
7. Row	

Measurement at

1. Row	194,99 m
2. Row	195,81 m
3. Row	196,62 m
4. Row	197,44 m
5. Row	198,26 m
6. Row	199,07 m
7. Row	199,89 m

BOX 35	5,72 m	EXCELLENT
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Date: 02 okt 06			DIP ANGLE	
200,30 - to - 206,02			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,9	99,7	99,7	
95,00		95,00	1. Row
96,50		96,50	2. Row 50°
96,00		96,00	3. Row 40°
96,00		96,00	4. Row
94,00		94,00	5. Row 50°
79,50		79,50	6. Row
1,50	NI		7. Row
13,00		13,00	

Magnetic Susceptibility

1. Row	0,06
2. Row	0,18
3. Row	0,20
4. Row	0,26
5. Row	0,12
6. Row	0,06
7. Row	

Measurement at

1. Row	200,71 m
2. Row	201,53 m
3. Row	202,34 m
4. Row	203,16 m
5. Row	203,98 m
6. Row	204,79 m
7. Row	205,61 m

BOX 36	5,84 m	EXCELLENT
---------------	---------------	------------------

Date: 02 okt 06			DIP ANGLE	
206,02 - to - 211,86			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,2	99,2	99,2		
93,50		93,50	1. Row	
98,00		98,00	2. Row	
98,00		98,00	3. Row	
97,00		97,00	4. Row	
96,50		96,50	5. Row	
96,50		96,50	6. Row	45°
			7. Row	

Magnetic Susceptibility

1. Row	0,06
2. Row	0,12
3. Row	0,10
4. Row	0,10
5. Row	0,02
6. Row	0,04
7. Row	

Measurement at

1. Row	206,44 m
2. Row	207,27 m
3. Row	208,11 m
4. Row	208,94 m
5. Row	209,77 m
6. Row	210,61 m
7. Row	211,44 m

BOX 37	5,74 m	EXCELLENT
---------------	---------------	------------------

Date: 02 okt 06			DIP ANGLE	
211,86 - to - 217,60			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	94,3	94,3		
96,00		96,00	1. Row	65°
62,00		62,00	2. Row	50°
33,00	NI		3. Row	40°
97,00		97,00	4. Row	
16,00		16,00	5. Row	65°
80,00		80,00	6. Row	
94,50		94,50	7. Row	
95,50		95,50		

Magnetic Susceptibility

1. Row	0,30
2. Row	0,28
3. Row	0,28
4. Row	0,26
5. Row	0,18
6. Row	0,17
7. Row	

Measurement at

1. Row	212,27 m
2. Row	213,09 m
3. Row	213,91 m
4. Row	214,73 m
5. Row	215,55 m
6. Row	216,37 m
7. Row	217,19 m

BOX 38			5,80 m	EXCELLENT
Date: 02 okt 06		DIP ANGLE		
217,60 - to - 223,40				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
95,00		95,00	1. Row	
83,00		83,00	2. Row	45°
17,00		17,00	3. Row	20°
97,00		97,00	4. Row	
96,00		96,00	5. Row	55°
96,50		96,50	6. Row	50°
95,50		95,50	7. Row	

Magnetic Susceptibility

1. Row	0,15
2. Row	0,30
3. Row	0,16
4. Row	0,16
5. Row	0,19
6. Row	0,13
7. Row	

Measurement at

1. Row	218,01 m
2. Row	218,84 m
3. Row	219,67 m
4. Row	220,50 m
5. Row	221,33 m
6. Row	222,16 m
7. Row	222,99 m

BOX 39			5,80 m	EXCELLENT
Date: 02 okt 06		DIP ANGLE		
223,40 - to - 229,20				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
580,00		580,00	1. Row	
			2. Row	
			3. Row	
			4. Row	
			5. Row	
			6. Row	
			7. Row	

Magnetic Susceptibility

1. Row	0,08
2. Row	0,08
3. Row	0,10
4. Row	0,18
5. Row	0,08
6. Row	0,10
7. Row	

Measurement at

1. Row	223,81 m
2. Row	224,64 m
3. Row	225,47 m
4. Row	226,30 m
5. Row	227,13 m
6. Row	227,96 m
7. Row	228,79 m

BOX 40			3,70 m	EXCELLENT
Date: 02 okt 06			DIP ANGLE	
229,20 - to - 232,90			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal
100,0	100,0	100,0	
370,00		370,00	1. Row
			2. Row
			3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility	
1. Row	0,02
2. Row	0,34
3. Row	0,40
4. Row	0,08
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	229,46 m
2. Row	229,99 m
3. Row	230,52 m
4. Row	231,05 m
5. Row	231,58 m
6. Row	232,11 m
7. Row	232,64 m

BOX 41			*****	
Date:			DIP ANGLE	
232,90 - to -			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal
			1. Row
			2. Row
			3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

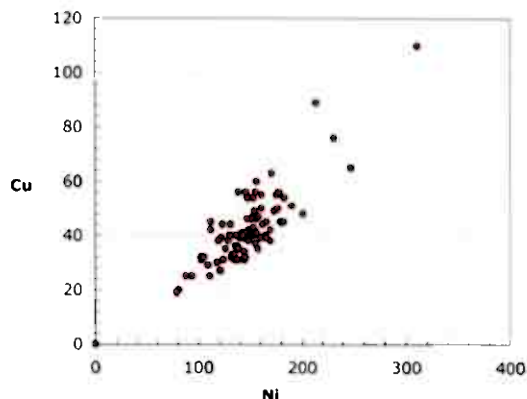
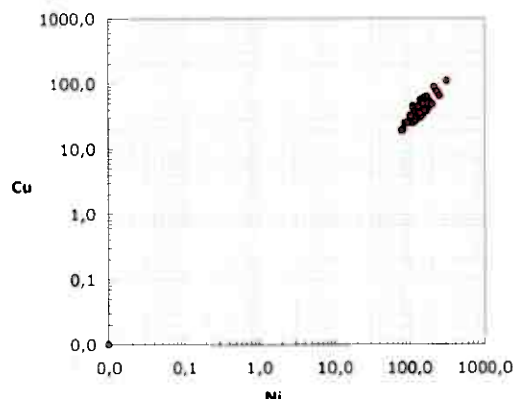
Measurement at	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

YEAR		2006		Info of Borehole				SH			
Drill Date:		04. Oct		Ballangen DDH-06 SH-002							
HOLE ID:		SH-002									
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen	
Northing:		7583394		Elevation:		240 meter [asl]		Drill method:		Core	
Easting:		581483		Geologist:		Mikkel Vognsen		Core:		TT46 Diameter: 35,6 mm	
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens		Length:		183,90 meter	
Bearing:		180°		Logged date:		5. oktober 2006		Average REC/RQD:		98.8 pct. / 98.1 pct.	
Dip:		-65°		Survey date:		-		by:		Casing/overburden: 2,7 meter	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeimo, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338									
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COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006

SULPHIDES					Quartz	ALTERATION					Recovery pct	Dip angle degree	GEOCHEMISTRY					Mag. Susc. 10 ⁻³ SI
Po	Pn	Cp	Gph	X		Grt	Bio	CN	Tc	Sep			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimuth	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	-	AMPH - Amphibolite
B	-	GB - Gabbro
C	-	MGN - Gneiss
D	-	NO - Norite
E	-	ONO - Olivinenorite
F	-	OPX/CPX - Olivinepyroxenite (Ol-websterite)
G	-	PRD - Peridotite
H	-	PX - Pyroxenite (Websterite)
I	-	S - Schist
eoh	-	End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	147,88	42,77
- Median	147,00	40,00
- Minimum	79,00	19,00
- Maximum	311,00	110,00
- Standard Deviation	33,27	13,23
- Numbers	91,00	91,00
- Kurtosis	6,44	7,83
- Skewness	1,54	2,04
- Variance	1107	175
- Detection Limit	79,00	19,00

SULPHIDES

1.	-	Pyrrhotite	Po.
2.	-	Pentlandite	Pn.
3.	-	Chalcopyrite	Cp.
4.	-	Graphite	Gph.
5.	-	X	X.

ALTERATION

6.	-	Garnet	Grt.
7.	-	Biotite	Bio.
8.	-	Chlorite	Chl.
9.	-	Talc	Tc.
10.	-	Serpentine	Sep.

GEOCHEMISTRY

11.	-	Nickel	Ni [ppm]
12.	-	Copper	Cu [ppm]
13.	-	Iron	Fe [pct]
14.	-	Gold	Au [ppb]
15.	-	Cobalt	Co [ppm]

MAGNETIC SUSCEPTIBILITY

16.	-	Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

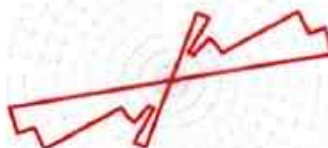
2 DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	93
- Mean	54,27°
- Standard Deviation	17,09°
- Maximum Petal	15,05 pct.
- Standard Deviation Petal	3,6 pct.

FOLIATION OR BEDDING

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	93
- Mean	54,27°
- Standard Deviation	17,09°
- Maximum Petal	15,05 pct.
- Standard Deviation Petal	3,6 pct.



FRACTURES



FOLIATION OR BEDDING

YEAR	2006		Log of Borehole		SH	
Drill Date:	04. Oct					
HOLE ID:	SH-002		Ballangen DDH-06 SH-002			
Project:	Ballangen					
Northing:	7583394	Location:	Arnes	Project manager:	Soren Lund Jensen	
Easting:	581483	Elevation:	240 meter [asl]	Drill method:	Core	
Datum:	WGS84	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter: 35,6 mm
Bearing:	180°	Logged by:	Mikkel Vognsen/Martin Jebens	Length:	183,90 meter	
Dip:	-65°	Logged date:	5. oktober 2006	Average REC/RQD:	98,8 pct. / 98,1 pct.	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		Survey date:	by:	Casing/overburden:	2,7 meter ☐
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct	Dip angle degree	Geochem					Mag	Surf. 10
		Description			Po	Ph	Cp	Gph	X		Grt	Bl	Chl	Tc			Sep	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]		
0		0-2,7m: Soil Casing.																					
1																							
2																							
3	H	2.7-3.5m: PX ⁺ Opx-rich-Px (Ol-websterite) (Ol 30%, Opx 50%, Cpx 20%) with sharp transition to underlying No.		149116																		BOX 1	
4	D	3.5-18.85m: NOl Pl-rich norite with Tracalitic affinity. Rarely Phl occur as isolated 1-10mm flakes. Slight increase of grainsize towards the bottom.		149117													148	38	5		54		0.16
5		4.5-7.0m: Alteration ¹ Extensive mm-thin serpenitised (sep.) alt. veining.									2	2	2	2	2							0.13	
6				149118							2	2	2	2	2		153	54	5		53		0.16
7											2	2	2	2	2							0.17	
8				149119							2	2	2	2	2		135	31	4		40		0.09
9																						BOX 2	
10				149120													81	20	3		30		0.30
11																						0.12	
12		11.59-11.80m: Mineralisation ¹ Fgnd mafic band with heavy S mineralisation (15-25%). The contact is sharp.		149121						25							144	34	5		45		0.08
13																						0.17	
14		13.5-18.0m: Alteration ¹ Extensive mm-thin serpenitised (sep.) alt. veining.		149122							2	2	2	2	2		126	35	5		45		0.02
15											2	2	2	2	2							BOX 3	
16				149123							2	2	2	2	2		109	29	4		40		0.15
17											2	2	2	2	2							0.14	
											2	2	2	2	2							0.19	
											2	2	2	2	2							0.07	

SH[illegible]

YEAR		2006		Log of Borehole																					
Drill Date:		04. Oct		Ballangen DDH-06 SH-002																					
HOLE ID:		SH-002																							
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen															
Northing:		7583394		Elevation:		240 meter [asl]		Drill method:		Core															
Easting:		581483		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm											
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens		Length:		183,90 meter															
Bearing:		180°		Survey date:		5. oktober 2006		Average REC/RQD:		98.8 pct. / 98.1 pct.															
Dip:		-65°		Survey date:				by:				Casing/overburden:		2,7 meter											
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																							
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Depth	Lithology	SUBSURFACE		Sample no. %	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Subc 10		
		Description			Pi	Py	Cpx	Gph	X		Ost	Bio	Chl	Tc	Sep			Ni (ppm)	Cu (ppm)	Fe (pct)	Au (ppb)	Co (ppm)			
68				149149		3		2									143	41	4		51				
69						3		2													0,14				
70						3		2													0,12				
71						3		2													0,26				
72						3		2													BOX 13				
73				149150													150	40	5		52				
74																					0,08				
75				149151													103	32	4		40				
76																					0,16				
77				149152													138	36	5		49				
78																					0,20				
79				149153													145	40	5		52				
80	E	76.5-77.2m: ONO! Abrupt transition to greenish Ol-Cpx rich noritic rock (Ol 50%, Cpx 35%, Pl 15%). Disseminated sulphides (0-1%)			1																0,18				
81	D	77.2-81.8m: NO! Pl-rich nortite. Extensive graphite-sulphide veins or lenses of 1-3cm long and 1-4mm wide			2			2													BOX 14				
82				149154		2		2									133	33	4		48				
83						2		2													0,10				
84																					0,26				
85				149155													144	39	4		49				
86																					0,14				
87																					0,18				
88	E	81.8-83.2m: PX! Very fgrd dark greenish Opx-rich PX (Ol 20%, Opx 50%, Cpx 30%) with phl flakes occurring in patches		149156													151	40	4		50				
89																					0,14				
90	E	83.2-86.3m: ONO! Gradual transition to ol-rich nortite (Ol 40%, Opx 10%, Cpx 30%, Pl 20%). Accessory sulphide dissemination (0-1%)			1																BOX 15				
91				149157		1											112	42	4		41				
92						1															0,08				
93																					0,10				

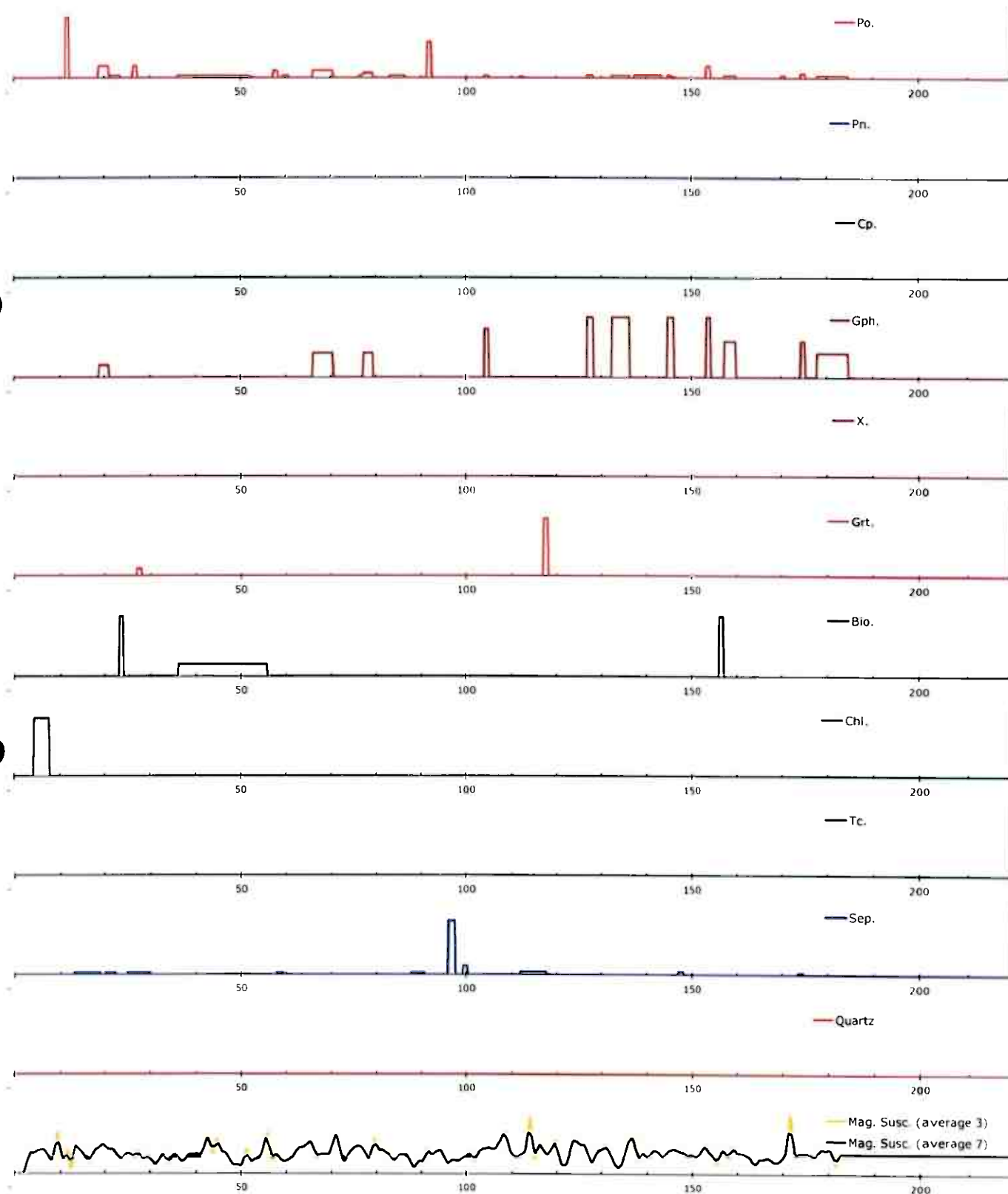
YEAR		2006		Log of Borehole		SH	
Drill Date:		04. Oct		Ballangen DDH-06 SH-002			
HOLE ID:		SH-002					
Project:		Ballangen		Location:		Arnes	
Northing:		7583394		Elevation:		240 meter [asl]	
Easting:		581483		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens	
Bearing:		180°		Logged date:		5. oktober 2006	
Dip:		-65°		Survey date:		by: -	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		Casing/overburden:		2,7 meter	
				Project manager:		Soren Lund Jensen	
				Drill method:		Core	
				Core:		TT46 Diameter: 35,6 mm	
				Length:		183,90 meter	
				Average REC/RQD:		98.8 pct. / 98.1 pct.	
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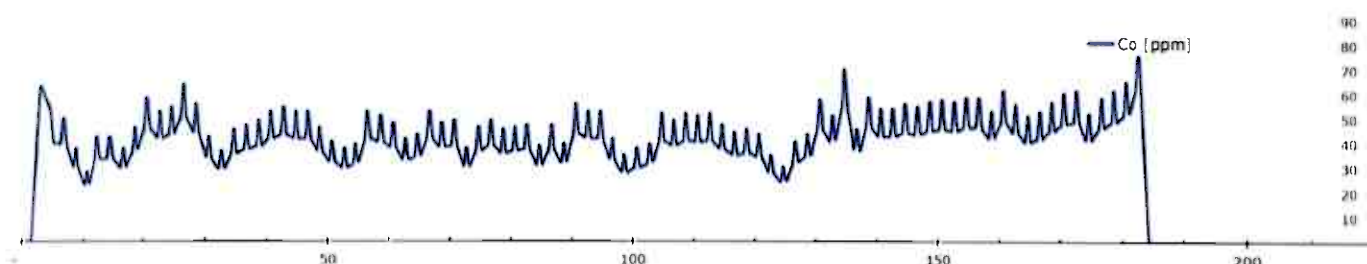
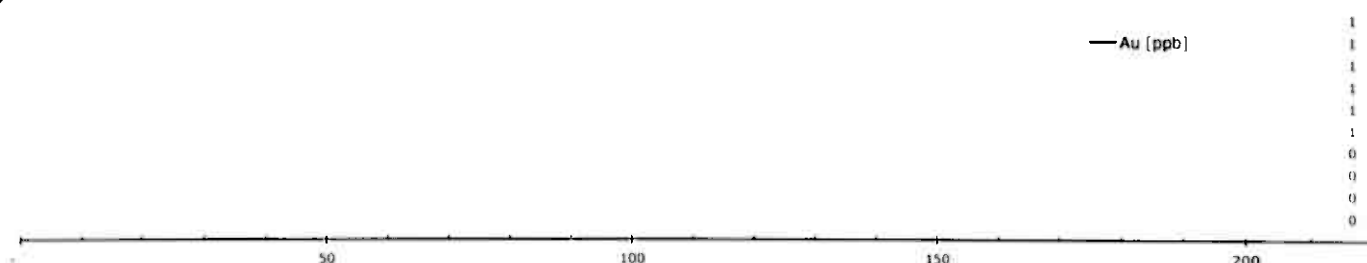
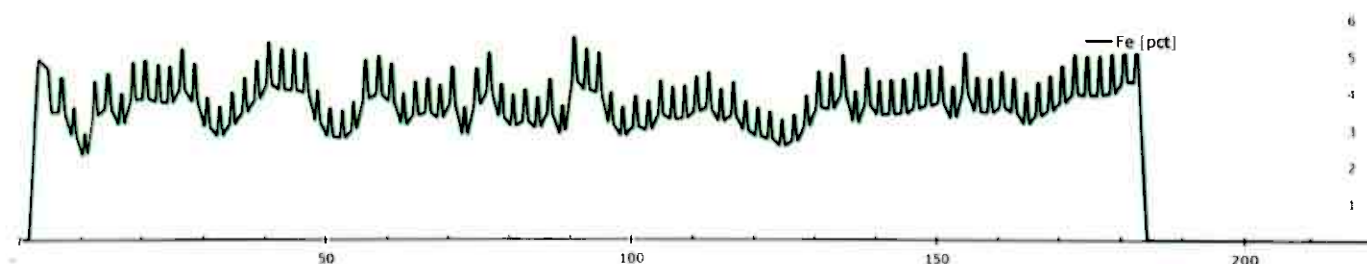
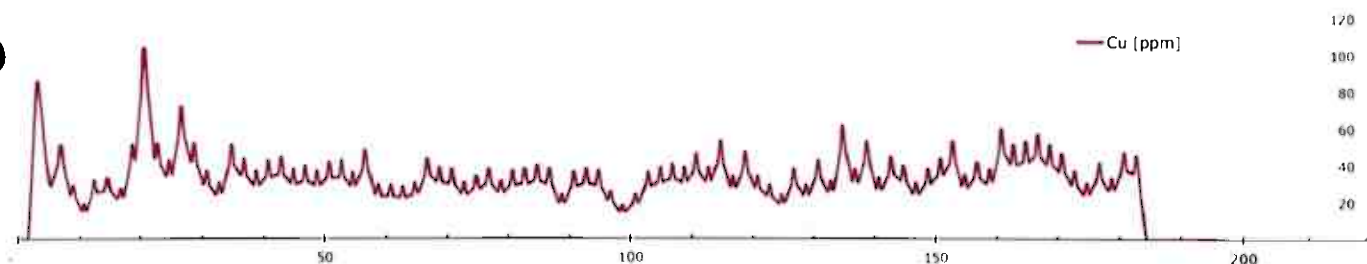
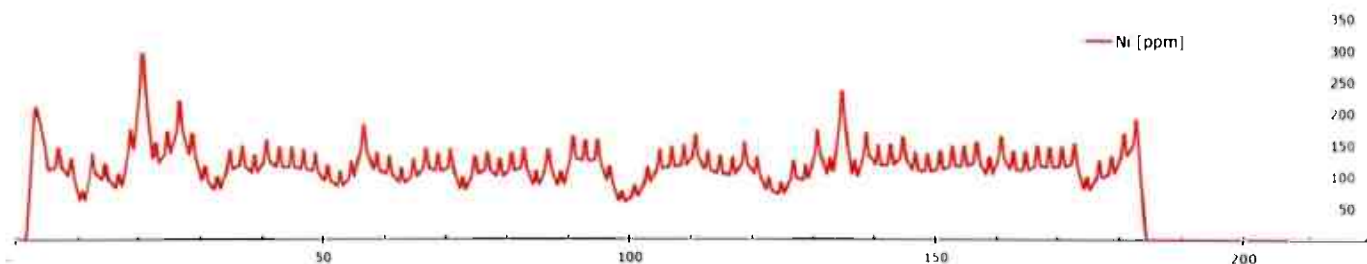
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[illegible]

YEAR		2006		Log of Borehole		SH									
Drill Date:		04 October		Ballangen DDH-06 SH-002											
HOLE ID:		SH-002													
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen					
Northing:		7583394		Elevation:		240 meter [asl]		Drill method:		Core					
Easting:		581483		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm	
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens		Length:		183,90 meter					
Bearing:		180°		Logged date:		5. oktober 2006		Average REC/RQD:		98.8 pct. / 98.1 pct.					
Dip:		-65°		Survey date:		-		by:		-		Casing/overburden:		2,7 meter	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338													
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YEAR		2006		Log of Borehole		SH									
Drill Date:		04 October		Ballangen DDH-06 SH-002											
HOLE ID:		SH-002													
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen					
Northing:		7583394		Elevation:		240 meter [asl]		Drill method:		Core					
Easting:		581483		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm	
Datum:		WGS84		Logged by:		Mikkel Vognsen/Martin Jebens		Length:		183,90 meter					
Bearing:		180°		Logged date:		5. oktober 2006		Average REC/RQD:		98.8 pct. / 98.1 pct.					
Dip:		-65°		Survey date:		-		by:		-		Casing/overburden:		2,7 meter	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338													
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Drill methode: Core
Core: TT46
Diameter: 35,6 mm
Length: 184 meter
Casing/Overburden 2,7 meter

BOX 1		6,20 m	EXCELLENT		
Date:		05 okt 06		DIP ANGLE	
2,42 - to - 8,62					
RECOVERY				Fractures	Foliation or bedding
Total	Solid	Modified			
[cm]	[cm]	[cm]			

DIP ANGLE

Fractures

Foliation
or bedding

REC		RQD	Degrees from	
93,5	93,1	93,1	horizontal	
95,00		95,00	1. Row	60°
97,00		97,00	2. Row	70°
19,00		19,00	3. Row	70°
2,00	NI		4. Row	60°
13,00		13,00	5. Row	70°
69,00		69,00	6. Row	
23,50		23,50	7. Row	
1,00	NI			
74,50		74,50		
96,50		96,50		
37,00		37,00		
52,50		52,50		

Magnetic Susceptibility

1. Row	0,16
2. Row	0,13
3. Row	0,16
4. Row	0,16
5. Row	0,17
6. Row	0,09
7. Row	

Measurement at

1. Row	2,86 m
2. Row	3,75 m
3. Row	4,63 m
4. Row	5,52 m
5. Row	6,41 m
6. Row	7,29 m
7. Row	8,18 m

BOX 2	5,70 m	EXCELLENT
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Date: 05 okt 06	DIP ANGLE
8,62 - to - 14,32	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
57,00	57,00	1. Row 75°
13,00	13,00	2. Row
26,00	26,00	3. Row
97,00	97,00	4. Row 60°
59,00	59,00	5. Row
36,00	36,00	6. Row
94,00	94,00	7. Row
98,00	98,00	
68,00	68,00	
22,00	22,00	

Magnetic Susceptibility

1. Row	0,30
2. Row	0,12
3. Row	0,08
4. Row	0,17
5. Row	0,02
6. Row	0,19
7. Row	

Measurement at

1. Row	9,03 m
2. Row	9,84 m
3. Row	10,66 m
4. Row	11,47 m
5. Row	12,28 m
6. Row	13,10 m
7. Row	13,91 m

BOX 3	5,82 m	EXCELLENT
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Date: 05 okt 06	DIP ANGLE
14,32 - to - 20,14	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
99,6	99,6	98,9
96,00	96,00	1. Row
98,00	98,00	2. Row 70°
78,50	78,50	3. Row
14,00	14,00	4. Row 20°
98,50	98,50	5. Row 40°
98,50	98,50	6. Row 70°
92,00	92,00	7. Row
4,00		

Magnetic Susceptibility

1. Row	0,15
2. Row	0,14
3. Row	0,07
4. Row	0,17
5. Row	0,16
6. Row	0,20
7. Row	

Measurement at

1. Row	14,74 m
2. Row	15,57 m
3. Row	16,40 m
4. Row	17,23 m
5. Row	18,06 m
6. Row	18,89 m
7. Row	19,72 m

BOX 4	5,70 m	EXCELLENT
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Date: 05 okt 06	DIP ANGLE
20,14 - to - 25,84	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal	
99,2	96,9	96,9		
96,00		96,00	1. Row	60° 75°
96,00		96,00	2. Row	65°
92,50		92,50	3. Row	70°
9,00		9,00	4. Row	60°
13,00	NI		5. Row	35°
67,00		67,00	6. Row	
96,00		96,00	7. Row	
96,00		96,00		

Magnetic Susceptibility

1. Row	0,16
2. Row	0,17
3. Row	0,16
4. Row	0,09
5. Row	0,12
6. Row	0,14
7. Row	

Measurement at

1. Row	20,55 m
2. Row	21,36 m
3. Row	22,18 m
4. Row	22,99 m
5. Row	23,80 m
6. Row	24,62 m
7. Row	25,43 m

BOX 5	5,84 m	EXCELLENT
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Date: 05 okt 06	DIP ANGLE
25,84 - to - 31,68	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal	
99,3	99,3	99,3		
27,00		27,00	1. Row	45°
68,00		68,00	2. Row	70°
96,00		96,00	3. Row	75°
98,00		98,00	4. Row	25°
37,50		37,50	5. Row	
58,00		58,00	6. Row	80°
97,50		97,50	7. Row	
98,00		98,00		

Magnetic Susceptibility

1. Row	0,10
2. Row	0,16
3. Row	0,10
4. Row	0,10
5. Row	0,12
6. Row	0,06
7. Row	

Measurement at

1. Row	26,26 m
2. Row	27,09 m
3. Row	27,93 m
4. Row	28,76 m
5. Row	29,59 m
6. Row	30,43 m
7. Row	31,26 m

BOX 6			5,80 m	EXCELLENT
Date: 05 okt 06			DIP ANGLE	
31,68 - to - 37,48				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,5	98,1	98,1		
42,50		42,50	1. Row	75°
50,50		50,50	2. Row	50°
98,50		98,50	3. Row	45°
98,50		98,50	4. Row	70°
51,50		51,50	5. Row	
41,50		41,50	6. Row	60°
97,50		97,50	7. Row	
88,50		88,50		
8,00	NI			

Magnetic Susceptibility	
1. Row	0,12
2. Row	0,14
3. Row	0,06
4. Row	0,12
5. Row	0,14
6. Row	0,08
7. Row	

Measurement at	
1. Row	32,09 m
2. Row	32,92 m
3. Row	33,75 m
4. Row	34,58 m
5. Row	35,41 m
6. Row	36,24 m
7. Row	37,07 m

BOX 7			5,70 m	EXCELLENT
Date: 05 okt 06			DIP ANGLE	
37,48 - to - 43,18				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,4	98,4	98,4		
97,00		97,00	1. Row	70°
31,00		31,00	2. Row	60°
61,00		61,00	3. Row	60°
93,00		93,00	4. Row	60°
78,00		78,00	5. Row	75°
13,00		13,00	6. Row	40°
41,00		41,00	7. Row	
46,00		46,00		
101,00		101,00		

Magnetic Susceptibility	
1. Row	0,12
2. Row	0,14
3. Row	0,12
4. Row	0,15
5. Row	0,10
6. Row	0,25
7. Row	

Measurement at	
1. Row	37,89 m
2. Row	38,70 m
3. Row	39,52 m
4. Row	40,33 m
5. Row	41,14 m
6. Row	41,96 m
7. Row	42,77 m

BOX 8	5,60 m	EXCELLENT
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Date: 05 okt 06	DIP ANGLE
43,18 - to - 48,78	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
92,00		92,00	1. Row 25°
95,50		95,50	2. Row 75°
95,50		95,50	3. Row 70°
95,00		95,00	4. Row 60°
14,00		14,00	5. Row 50°
78,00		78,00	6. Row 60°
14,50		14,50	7. Row
75,50		75,50	

Magnetic Susceptibility

1. Row	0,12
2. Row	0,25
3. Row	0,16
4. Row	0,14
5. Row	0,14
6. Row	0,06
7. Row	

Measurement at

1. Row	43,58 m
2. Row	44,38 m
3. Row	45,18 m
4. Row	45,98 m
5. Row	46,78 m
6. Row	47,58 m
7. Row	48,38 m

BOX 9	5,72 m	EXCELLENT
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Date: 06 okt 06	DIP ANGLE
48,78 - to - 54,50	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
95,00		95,00	1. Row 62°
17,00		17,00	2. Row 27°
10,00		10,00	3. Row 60°
67,50		67,50	4. Row 72°
94,00		94,00	5. Row
39,50		39,50	6. Row
23,00		23,00	7. Row
35,50		35,50	
93,00		93,00	
51,00		51,00	
46,50		46,50	

Magnetic Susceptibility

1. Row	0,06
2. Row	0,04
3. Row	0,18
4. Row	0,06
5. Row	0,10
6. Row	
7. Row	

Measurement at

1. Row	49,19 m
2. Row	50,01 m
3. Row	50,82 m
4. Row	51,64 m
5. Row	52,46 m
6. Row	53,27 m
7. Row	54,09 m

BOX 10	5,69 m	EXCELLENT
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Date: 06 okt 06	DIP ANGLE
54,50 - to - 60,19	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	

REC	92,4	RQD	Degrees from horizontal
98,2		92,4	
18,00		18,00	1. Row
71,00		71,00	2. Row 23°
23,00		23,00	3. Row 45°
23,00	NI		4. Row 58°
51,00		51,00	5. Row 79°
98,00		98,00	6. Row
33,00		33,00	7. Row
60,00		60,00	
22,00		22,00	
11,00		11,00	
10,00	NI		
43,50		43,50	
95,00		95,00	

Magnetic Susceptibility	
1. Row	0,20
2. Row	0,29
3. Row	0,08
4. Row	0,14
5. Row	0,12
6. Row	0,08
7. Row	

Measurement at	
1. Row	54,91 m
2. Row	55,72 m
3. Row	56,53 m
4. Row	57,35 m
5. Row	58,16 m
6. Row	58,97 m
7. Row	59,78 m

BOX 11	5,71 m	EXCELLENT
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Date: 06 okt 06	DIP ANGLE
60,19 - to - 65,90	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	

REC	100,0	RQD	Degrees from horizontal
100,0		100,0	
95,00		95,00	1. Row
86,00		86,00	2. Row
11,00		11,00	3. Row 60°
94,50		94,50	4. Row
64,50		64,50	5. Row
31,00		31,00	6. Row
96,00		96,00	7. Row
93,00		93,00	

Magnetic Susceptibility	
1. Row	0,10
2. Row	0,12
3. Row	0,18
4. Row	0,18
5. Row	0,18
6. Row	0,22
7. Row	

Measurement at	
1. Row	60,60 m
2. Row	61,41 m
3. Row	62,23 m
4. Row	63,05 m
5. Row	63,86 m
6. Row	64,68 m
7. Row	65,49 m

BOX 12			5,70 m	EXCELLENT
Date: 06 okt 06			DIP ANGLE	
65,90 - to - 71,60			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	98,8		
97,00		97,00	1. Row	
95,00		95,00	2. Row	32°
96,00		96,00	3. Row	
92,00		92,00	4. Row	
6,00			5. Row	52°
87,00		87,00	6. Row	
96,00		96,00	7. Row	

Magnetic Susceptibility

1. Row	0,10
2. Row	0,14
3. Row	0,12
4. Row	0,14
5. Row	0,12
6. Row	0,26
7. Row	

Measurement at

1. Row	66,31 m
2. Row	67,12 m
3. Row	67,94 m
4. Row	68,75 m
5. Row	69,56 m
6. Row	70,38 m
7. Row	71,19 m

BOX 13			5,77 m	EXCELLENT
Date: 06 okt 06			DIP ANGLE	
71,60 - to - 77,37			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,3	98,3	98,3		
98,00		98,00	1. Row	
97,00		97,00	2. Row	60°
91,00		91,00	3. Row	60°
96,00		96,00	4. Row	28°
38,50		38,50	5. Row	
49,50		49,50	6. Row	65°
97,00		97,00	7. Row	

Magnetic Susceptibility

1. Row	0,08
2. Row	0,08
3. Row	0,16
4. Row	0,16
5. Row	0,20
6. Row	0,18
7. Row	

Measurement at

1. Row	72,01 m
2. Row	72,84 m
3. Row	73,66 m
4. Row	74,49 m
5. Row	75,31 m
6. Row	76,13 m
7. Row	76,96 m

BOX 14	5,63 m	GOOD
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Date: 06 okt 06	DIP ANGLE
77,37 - to - 83,00	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
96,4	87,4	87,4	
95,00		95,00	1. Row
96,00		96,00	2. Row
51,00		51,00	3. Row
40,00		40,00	4. Row 50°
93,00		93,00	5. Row 40°
72,00		72,00	6. Row 25°
8,00	NI		7. Row
5,00	NI		
20,00	NI		
18,00	NI		
45,00		45,00	

Magnetic Susceptibility	
1. Row	0,10
2. Row	0,10
3. Row	0,26
4. Row	0,14
5. Row	0,18
6. Row	0,14
7. Row	

Measurement at	
1. Row	77,77 m
2. Row	78,58 m
3. Row	79,38 m
4. Row	80,19 m
5. Row	80,99 m
6. Row	81,79 m
7. Row	82,60 m

BOX 15	5,97 m	EXCELLENT
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Date: 06 okt 06	DIP ANGLE
83,00 - to - 88,97	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
96,6	96,6	96,6	
39,00		39,00	1. Row
55,00		55,00	2. Row 70°
95,00		95,00	3. Row 70°
97,00		97,00	4. Row 75°
97,00		97,00	5. Row 50°
96,00		96,00	6. Row
98,00		98,00	7. Row

Magnetic Susceptibility	
1. Row	0,08
2. Row	0,10
3. Row	0,14
4. Row	0,12
5. Row	0,14
6. Row	0,04
7. Row	

Measurement at	
1. Row	83,43 m
2. Row	84,28 m
3. Row	85,13 m
4. Row	85,99 m
5. Row	86,84 m
6. Row	87,69 m
7. Row	88,54 m

Drill methode: Core
Core: TT46
Diameter: 35,6 mm
Length: 184 meter
Casing/Overburden 2,7 meter

BOX 16			5,89 m	EXCELLENT
Date: 06 okt 06			DIP ANGLE	
88,97 - to - 94,86			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,0	98,0	98,0		
42,00		42,00	1. Row	50°
52,00		52,00	2. Row	30°
94,00		94,00	3. Row	50°
98,00		98,00	4. Row	25°
98,00		98,00	5. Row	40°
95,00		95,00	6. Row	
98,00		98,00	7. Row	

Magnetic Susceptibility	
1. Row	0,10
2. Row	0,06
3. Row	0,18
4. Row	0,12
5. Row	0,14
6. Row	0,16
7. Row	

Measurement at	
1. Row	89,39 m
2. Row	90,23 m
3. Row	91,07 m
4. Row	91,92 m
5. Row	92,76 m
6. Row	93,60 m
7. Row	94,44 m

BOX 17			5,84 m	EXCELLENT
Date: 06 okt 06			DIP ANGLE	
94,86 - to - 100,70				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,5	99,5	99,5		
53,00		53,00	1. Row	30°
42,00		42,00	2. Row	
97,00		97,00	3. Row	70°
97,00		97,00	4. Row	
96,00		96,00	5. Row	70°
98,00		98,00	6. Row	
98,00		98,00	7. Row	

Magnetic Susceptibility

1. Row	0,06
2. Row	0,08
3. Row	0,10
4. Row	0,08
5. Row	0,10
6. Row	0,12
7. Row	

Measurement at

1. Row	95,28 m
2. Row	96,11 m
3. Row	96,95 m
4. Row	97,78 m
5. Row	98,61 m
6. Row	99,45 m
7. Row	100,28 m

BOX 18			4,65 m	EXCELLENT
Date: 07 okt 06			DIP ANGLE	
100,70 - to - 105,35				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
76,00		76,00	1. Row	65°
15,00		15,00	2. Row	
97,00		97,00	3. Row	
93,50		93,50	4. Row	
95,00		95,00	5. Row	
88,50		88,50	6. Row	
			7. Row	

Magnetic Susceptibility

1. Row	0,16
2. Row	0,06
3. Row	0,14
4. Row	0,18
5. Row	0,16
6. Row	0,18
7. Row	

Measurement at

1. Row	101,03 m
2. Row	101,70 m
3. Row	102,36 m
4. Row	103,03 m
5. Row	103,69 m
6. Row	104,35 m
7. Row	105,02 m

BOX 19	5,72 m	EXCELLENT
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Date: 07 okt 06	DIP ANGLE
105,35 - to - 111,07	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
99,4	99,4	99,4
66,50	66,50	1. Row
28,50	28,50	2. Row
97,00	97,00	3. Row
14,00	14,00	4. Row
72,50	72,50	5. Row 70°
97,00	97,00	6. Row
96,00	96,00	7. Row
97,00	97,00	

Magnetic Susceptibility

1. Row	0,16
2. Row	0,18
3. Row	0,24
4. Row	0,30
5. Row	0,18
6. Row	0,12
7. Row	

Measurement at

1. Row	105,76 m
2. Row	106,58 m
3. Row	107,39 m
4. Row	108,21 m
5. Row	109,03 m
6. Row	109,84 m
7. Row	110,66 m

BOX 20	5,80 m	EXCELLENT
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Date: 07 okt 06	DIP ANGLE
111,07 - to - 116,87	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
98,3	98,3	98,3
97,00	97,00	1. Row 60°
98,00	98,00	2. Row
34,00	34,00	3. Row
52,00	52,00	4. Row
98,00	98,00	5. Row
96,00	96,00	6. Row
95,00	95,00	7. Row

Magnetic Susceptibility

1. Row	0,12
2. Row	0,14
3. Row	0,16
4. Row	0,41
5. Row	0,10
6. Row	0,20
7. Row	

Measurement at

1. Row	111,48 m
2. Row	112,31 m
3. Row	113,14 m
4. Row	113,97 m
5. Row	114,80 m
6. Row	115,63 m
7. Row	116,46 m

BOX 21			5,73 m	EXCELLENT
Date: 07 okt 06		DIP ANGLE		
116,87 - to - 122,60				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,2	99,2	99,2		
95,00		95,00	1. Row	20°
91,00		91,00	2. Row	
64,00		64,00	3. Row	70°
26,50		26,50	4. Row	65°
65,00		65,00	5. Row	
32,00		32,00	6. Row	
98,00		98,00	7. Row	
64,00		64,00		
33,00		33,00		

Magnetic Susceptibility

1. Row	0,12
2. Row	0,14
3. Row	0,18
4. Row	0,24
5. Row	0,06
6. Row	0,06
7. Row	

Measurement at

1. Row	117,28 m
2. Row	118,10 m
3. Row	118,92 m
4. Row	119,74 m
5. Row	120,55 m
6. Row	121,37 m
7. Row	122,19 m

BOX 22			5,84 m	EXCELLENT
Date: 07 okt 06		DIP ANGLE		
122,60 - to - 128,44				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,3	98,3	98,3		
94,00		94,00	1. Row	60°
97,50		97,50	2. Row	20°
95,00		95,00	3. Row	55°
98,00		98,00	4. Row	35°
95,00		95,00	5. Row	
94,50		94,50	6. Row	
			7. Row	

Magnetic Susceptibility

1. Row	0,22
2. Row	0,24
3. Row	0,20
4. Row	0,20
5. Row	0,20
6. Row	0,08
7. Row	

Measurement at

1. Row	123,02 m
2. Row	123,85 m
3. Row	124,69 m
4. Row	125,52 m
5. Row	126,35 m
6. Row	127,19 m
7. Row	128,02 m

BOX 23 5,76 m **EXCELLENT**

Date: 07 okt 06			DIP ANGLE	
128,44 - to - 134,20			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
{cm}	{cm}	{cm}		

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
94,00	94,00	1. Row
95,50	95,50	2. Row
94,50	94,50	3. Row
12,00	12,00	4. Row
88,00	88,00	5. Row
98,00	98,00	6. Row
94,00	94,00	7. Row

Magnetic Susceptibility

1. Row	0,18
2. Row	0,14
3. Row	0,20
4. Row	0,16
5. Row	0,10
6. Row	0,04
7. Row	

Measurement at

1. Row	128,85 m
2. Row	129,67 m
3. Row	130,50 m
4. Row	131,32 m
5. Row	132,14 m
6. Row	132,97 m
7. Row	133,79 m

BOX 24 5,51 m **EXCELLENT**

Date: 07 okt 06			DIP ANGLE	
134,20 - to - 139,71			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
100,0	99,5	99,5
92,00	92,00	1. Row
92,00	92,00	2. Row
76,00	76,00	3. Row 30°
20,00	20,00	4. Row 40°
33,00	33,00	5. Row
56,00	56,00	6. Row
96,00	96,00	7. Row
83,50	83,50	
2,50	NI	

Magnetic Susceptibility

1. Row	0,08
2. Row	0,20
3. Row	0,24
4. Row	0,26
5. Row	0,08
6. Row	0,14
7. Row	

Measurement at

1. Row	134,59 m
2. Row	135,38 m
3. Row	136,17 m
4. Row	136,96 m
5. Row	137,74 m
6. Row	138,53 m
7. Row	139,32 m

BOX 25	5,89 m	EXCELLENT
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Date: 07 okt 06			DIP ANGLE	
139,71 - to - 145,60			Fractures	Foliation or Bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,9	98,9	98,9		
96,50		96,50	1. Row	60°
98,50		98,50	2. Row	
63,50		63,50	3. Row	50°
33,50		33,50	4. Row	
57,50		57,50	5. Row	40°
38,00		38,00	6. Row	
97,00		97,00	7. Row	
98,00		98,00		

Magnetic Susceptibility

1. Row	0,10
2. Row	0,16
3. Row	0,16
4. Row	0,14
5. Row	0,10
6. Row	0,16
7. Row	

Measurement at

1. Row	140,13 m
2. Row	140,97 m
3. Row	141,81 m
4. Row	142,66 m
5. Row	143,50 m
6. Row	144,34 m
7. Row	145,18 m

BOX 26	5,94 m	EXCELLENT
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Date: 07 okt 06			DIP ANGLE	
145,60 - to - 151,54			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,8	98,8	97,9		
97,50		97,50	1. Row	
96,50		96,50	2. Row	
69,00		69,00	3. Row	
26,00		26,00	4. Row	
98,50		98,50	5. Row	60°
88,50		88,50	6. Row	70°
11,00		11,00	7. Row	
94,50		94,50		
5,50				

Magnetic Susceptibility

1. Row	0,18
2. Row	0,14
3. Row	0,16
4. Row	0,12
5. Row	0,14
6. Row	0,12
7. Row	

Measurement at

1. Row	146,02 m
2. Row	146,87 m
3. Row	147,72 m
4. Row	148,57 m
5. Row	149,42 m
6. Row	150,27 m
7. Row	151,12 m

BOX 27	5,86 m	EXCELLENT
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Date:	07 okt 06	DIP ANGLE		
151,54	- to -	157,40		
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
99,00		99,00	1. Row
98,00		98,00	2. Row
47,50		47,50	3. Row
48,00		48,00	4. Row 70°
98,00		98,00	5. Row
96,50		96,50	6. Row 70°
99,00		99,00	7. Row

**Magnetic
Susceptibility**

1. Row	0,16
2. Row	0,20
3. Row	0,12
4. Row	0,14
5. Row	0,06
6. Row	0,16
7. Row	

Measurement at

1. Row	151,96 m
2. Row	152,80 m
3. Row	153,63 m
4. Row	154,47 m
5. Row	155,31 m
6. Row	156,14 m
7. Row	156,98 m

BOX 28	5,60 m	EXCELLENT
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Date:	08 okt 06	DIP ANGLE		
157,40	- to -	163,00		
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
98,50		98,50	1. Row
98,50		98,50	2. Row
68,50		68,50	3. Row
23,00		23,00	4. Row
96,00		96,00	5. Row 45°
98,00		98,00	6. Row 25°
77,50		77,50	7. Row

**Magnetic
Susceptibility**

1. Row	0,10
2. Row	0,20
3. Row	0,14
4. Row	0,14
5. Row	0,14
6. Row	0,12
7. Row	

Measurement at

1. Row	157,80 m
2. Row	158,60 m
3. Row	159,40 m
4. Row	160,20 m
5. Row	161,00 m
6. Row	161,80 m
7. Row	162,60 m

BOX 29			5,69 m	EXCELLENT	
Date: 08 okt 06			DIP ANGLE		
163,00 - to - 168,69			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal
98,4	98,4	98,4	
96,00		96,00	1. Row
95,00		95,00	2. Row
90,00		90,00	3. Row
17,00		17,00	4. Row
78,00		78,00	5. Row
92,00		92,00	6. Row
92,00		92,00	7. Row

Magnetic Susceptibility

1. Row	0,04
2. Row	0,10
3. Row	0,10
4. Row	0,10
5. Row	0,12
6. Row	0,08
7. Row	

Measurement at

1. Row	163,41 m
2. Row	164,22 m
3. Row	165,03 m
4. Row	165,85 m
5. Row	166,66 m
6. Row	167,47 m
7. Row	168,28 m

BOX 30			5,69 m	EXCELLENT		
Date: 08 okt 06			DIP ANGLE			
168,69 - to - 174,38			Fractures	Foliation or bedding		
RECOVERY						
Total	Solid	Modified				
[cm]	[cm]	[cm]				

REC		RQD	Degrees from horizontal
98,4	98,4	98,4	
94,00		94,00	1. Row
97,00		97,00	2. Row
97,00		97,00	3. Row
35,00		35,00	4. Row
46,00		46,00	5. Row
97,00		97,00	6. Row 62°
94,00		94,00	7. Row

Magnetic Susceptibility

1. Row	0,08
2. Row	0,12
3. Row	0,14
4. Row	0,43
5. Row	0,12
6. Row	0,14
7. Row	

Measurement at

1. Row	169,10 m
2. Row	169,91 m
3. Row	170,72 m
4. Row	171,54 m
5. Row	172,35 m
6. Row	173,16 m
7. Row	173,97 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	184 meter
Casing/Overburden	2,7 meter

BOX 31		5,77 m	EXCELLENT	
Date:		08 okt 06		DIP ANGLE
174,38 - to - 180,15				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,1	99,1	99,1		
94,00		94,00	1. Row	70°
93,00		93,00	2. Row	
96,00		96,00	3. Row	
65,00		65,00	4. Row	27°
30,00		30,00	5. Row	
98,00		98,00	6. Row	
96,00		96,00	7. Row	

Magnetic Susceptibility

1. Row	0,14
2. Row	0,14
3. Row	0,12
4. Row	0,12
5. Row	0,18
6. Row	0,16
7. Row	

Measurement at

1. Row	174,79 m
2. Row	175,62 m
3. Row	176,44 m
4. Row	177,27 m
5. Row	178,09 m
6. Row	178,91 m
7. Row	179,74 m

BOX 32	3,75 m	EXCELLENT
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Date: 08 okt 06	DIP ANGLE
180,15 - to - 183,90	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
95,00	95,00	1. Row 25°
95,00	95,00	2. Row
95,00	95,00	3. Row
90,00	90,00	4. Row
		5. Row
		6. Row
		7. Row

Magnetic Susceptibility

1. Row	0,20
2. Row	0,14
3. Row	0,04
4. Row	0,14
5. Row	
6. Row	
7. Row	

Measurement at

1. Row	180,42 m
2. Row	180,95 m
3. Row	181,49 m
4. Row	182,03 m
5. Row	182,56 m
6. Row	183,10 m
7. Row	183,63 m

BOX 33	#####
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Date: 183,90 - to -	DIP ANGLE
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
		1. Row
		2. Row
		3. Row
		4. Row
		5. Row
		6. Row
		7. Row

Magnetic Susceptibility

1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

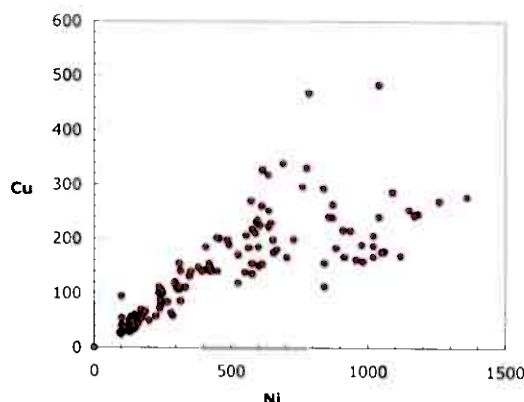
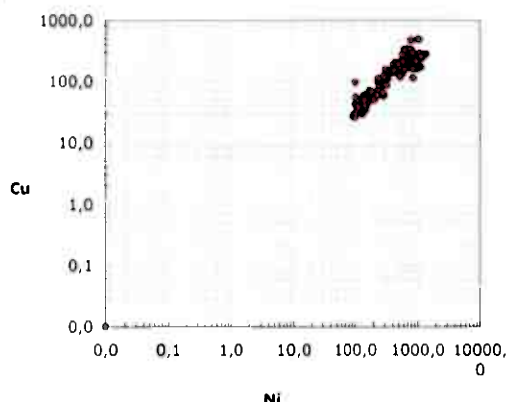
Measurement at

1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

YEAR		2006		Info of Borehole		SH									
Drill Date:		07. Oct		Ballangen DDH-06 SH-003											
HOLE ID:		SH-003													
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen					
Northing:		7583394		Elevation:		240 meter [asl]		Drill method:		Core					
Easting:		581483		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm	
Datum:		WGS84		Logged by:		Mikkel Vognsen & Martin Jebens		Length:		235,80 meter		Average REC/RQD:		98.4 pct. / 97.3 pct.	
Bearing:		139°		Logged date:		9. oktober 2006		by:				Casing/overburden:		2,8 meter	
Dip:		-45°		Survey date:				Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimute	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	- AMPH - Amphibolite
B	- GB - Gabbro
C	- MGN - Gneiss
D	- NO - Norite
E	- ONO - Olivinenorite
F	- OPX/CPX - Olivinepyroxenite (Ol-websterite)
G	- PRD - Peridotite
H	- PX - Pyroxenite (Websterite)
I	- S - Schist
eoh	- End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	493,29	147,59
- Median	425,00	143,00
- Minimum	95,00	26,00
- Maximum	1360,00	483,00
- Standard Deviation	330,46	91,39
- Numbers	129,00	129,00
- Curtosis	-0,68	1,09
- Skewness	0,61	0,85
- Variance	109202	8353
- Detection Limit	95,00	26,00

SULPHIDES

1.	- Pyrrhotite	Po.
2.	- Pentlandite	Pn.
3.	- Chalcopyrite	Cp.
4.	- Graphite	Gph.
5.	- X	X.

ALTERATION

6.	- Garnet	Grt.
7.	- Biotite	Bio.
8.	- Chlorite	Chl.
9.	- Talc	Tc.
10.	- Serpentine	Serp.

GEOCHEMISTRY

11.	- Nickel	Ni	[ppm]
12.	- Copper	Cu	[ppm]
13.	- Iron	Fe	[pct]
14.	- Gold	Au	[ppb]
15.	- Cobalt	Co	[ppm]

MAGNETIC SUSCEPTIBILITY

16.	- Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	116
- Mean	45,53°
- Standard Deviation	16,33°
- Maximum Petal	13,36 pct.
- Standard Deviation Petal	3,2 pct.

FOLIATION OR BEDDING

- Calculation Methode	
- Class Interval	
- Data Type	
- Population	
- Mean	
- Standard Deviation	
- Maximum Petal	
- Standard Deviation Petal	



FRACTURES

FOLIATION OR BEDDING

YEAR	2006	Log of Borehole										SH										
Drill Date:		07. Oct		Ballangen DDH-06 SH-003																		
HOLE ID:		SH-003																				
Project:		Ballangen		Location:		Arnes		Project manager:		Soren Lund Jensen												
Northing:		7583394		Elevation:		240 meter [asl]		Drill method:		Core												
Easting:		581483		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm								
Datum:		WGS84		Logged by:		Mikkel Vognsen & Martin Jebens		Length:		235,80 meter												
Bearing:		139°		Logged date:		9. oktober 2006		Average REC/RQD:		98.4 pct. / 97.3 pct.												
Dip:		-45°		Survey date:				by:				Casing/overburden:		2,8 meter								
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																				
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ S
		Description			Py	Pn	Cp	Gph.	X		Gt	Bg	Chl	Tc			Sep	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
0		0.0-2.84m: Soil Casing																				
3	D	2.84-6.9m: NO ¹ Fm: gnd Pl-rich norite (Ol 40%, Opx 5%, Cpx 15%, Pl 40%). Clear compositional layering. Minor serp. Veining. Minor Bt alteration veins. Chronology of these veins are unclear. No mineralisation.		149207							1			2						BOX 1		
4				149208							1			2		95	28	4	39	0.10		
5											1			2						0.12		
6				149209							1			2						0.14		
7	E	6.9-8.7m: ONO ¹ Fgrd Opx-rich ONO (Ol 30%, Opx 50%, Cpx 5%, Pl 15%). Compositional layering visible but not clear. Rusty veins (1-4mm) associated with Bt alt.									1			2		96	26	4	40	0.16		
8		7.35m: Mineralisation! <0.5cm Q-Ky vein with clusters of sulphides.						3			1									0.26		
9		8.7-9.1m: Compositional change! CC in ONO. Ol increases rather abrupt. New composition (Ol 30%, Opx 10%, Cpx 25%, Pl 35%). Compositional layering clear.		149210							1					114	34	4	43			
10		9.1-11.9m: Compositional change! Ol-rich norite (Ol 40%, Opx 10%, Cpx 25%, Pl 25%). Disseminated sulphides (0-1%). Compositional layering clear.									1									BOX 2		
11				149211												161	44	5	57	0.14		
12																				0.32		
13																				0.08		
14																				0.12		
15				149212					2							131	36	4	52	0.36		
16																				0.08		
17																						
18		14.17-17.6m: Alteration! Serpentinization. Extensive veining.		149213										3		132	29	5	54			
19														3						BOX 3		
20														3						0.14		
21														3								
22														3						0.18		
23				149214										3		101	26	4	52			
24														3						0.16		

YEAR	2006	Log of Borehole				SH
Drill Date:	07. Oct	Ballangen DDH-06 SH-003				
HOLE ID:	SH-003					
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen	
Northing:	7583394	Elevation:	240 meter [asl]	Drill method:	Core	
Easting:	581483	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen & Martin Jebens	Length:	235,80 meter	
Bearing:	139°	Logged date:	9. oktober 2006	Average REC/RQD:	98.4 pct. / 97.3 pct.	
Dip:	-45°	Survey date:		by:	Casing/overburden:	2,8 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					☐
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc 10 ⁻⁵ SI	
		Description			Po	Py	Cp	Gph	X		Grt	Bio	Chi	Tc			Serp	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]		Co [ppm]
17																						0.14	
18	H	17.7-19.7m: PXI PI-bearing PX (Ol 20%, Opx 40%, Cpx 20%, Pl 20%). Minor sulphide mineralisation		149215														103	30	5		54	0.49
		18.3-19.7m: Alteration! Complete serpentinization cut by late Q-Pl-Tc-Bt-veins.																				0.24	
19																							
20	E	19.7-33.0m: ONOI Md-fgrd greenschist rock (Ol 30%, Opx 10%, Cpx 15%, Pl 35%). Opx and Pl interchange, and thus the Opx-Pl content change minirly. The clear compositional layering is cut by 3-10 serp. veins pr m. Minor sulphides are disseminated throughout the rock. Gph aggregates (~2cm long lenses) may locally be up to 2% - always associated with disseminated sulphides @ 19.7-20.0m. Clear compositionallayering. Talc alteration on fracture planes are very common. Minor granitic veins +/- Ky - Bt (2cm wide) are also common. No intercumulus Phl/Bt has been detected, when present phyllosilicates are associated with alteration.		149216	2				2						tr			146	34	5		62	BOX 4
					0.5																	0.16	
21					0.5				1														
					0.5				1														
22					0.5				1						tr							0.14	
					0.5				1									151	36	5		61	
23					0.5				1														
					0.5				1						tr							0.18	
24					0.5				1									123	31	5		57	
					0.5				1													0.14	
25					0.5				1						tr								
					0.5				1														
26					0.5				1									143	43	5		62	BOX 5
					0.5				1						tr							0.12	
27					0.5				1														
					0.5				1													0.14	
28					0.5				1									226	58	6		63	0.24
					0.5				1														
29					0.5				1														
	C	29.35-30.0m: Assimilated gneiss/granite! Silicified rock interval. No gneiss textures left. Fracture planes within the silicate-rich rock is coated by Tc and ca-silicates. Possibly small-scale shear zone?			0.5				1	95					tr							0.36	
30	E			149221														244	78	5		65	0.28
31																							
32																		174	54	6		67	0.20
																						0.29	
33		33.0-35.6m: ONOI PI-bearing Ol-Opx rich Nante (Ol 45%, Opx 5%, Cpx 35%, Pl 15%). The compositional layering is clearly defined by elongate Pl laths and Cpx. Minor serpentinized veins and only minor disseminated sulphides (0-			2										2								0.26
					2																		
					2																		
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YEAR	2006	Log of Borehole				SH
Drill Date:	07. Oct	Ballangen DDH-06 SH-003				
HOLE ID:	SH-003					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen	
Northing:	7583394	Elevation:	240 meter [asl]	Drill method:	Core	
Easting:	581483	Geologist:	Mikkel Vognsen	Core:	TT46 Diameter: 35,6 mm	
Datum:	WGS84	Logged by:	Mikkel Vognsen & Martin Jebens	Length:	235,80 meter	
Bearing:	139°	Logged date:	9. oktober 2006	Average REC/RQD:	98.4 pct. / 97.3 pct.	
Dip:	-45°	Survey date:	-	by:	Casing/overburden: 2,8 meter ☐	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						

Depth	Lithology	SUBSURFACE Description	Sample no. 1/2	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
				Po	Pt	Cu	Gph	X		Gt	Bio	Chl	Tc			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
34		2-3m: 1-2cm wide sub-equigranular poikiloblastic Opx macrocrystals occur randomly.	149223	2										2		268	84	7		71	0,28
35				2										2							0,22
36		D 35.6-39.0m: NO! PI-rich norite (Ol 35%, Cpx 25%, Pl 40%). The transition is abrupt to this clearly compositional layered rock. Minor disseminated sulphides (0-1%) and few 1-4mm wide serp. veins. Cpx increases gradually downwards.	149224	1										3		240	72	6		59	0,24
37				1										3							
38			149225	1										3		316	86	7		73	0,18
39		E 39.0-40.2m: ONO! PI-bearing Ol-Opx rich Norite (Ol 45%, Opx 5%, Cpx 35%, Pl 15%).		1										3							0,20
40			149226	1			1							2		202	50	4		47	0,22
41		D 40.2-44.15m: NO! PI-rich norite (Ol 30%, Opx 7%, Cpx 20%, Pl 40%). Numerous elongate gph lenses sulphide mineralised (0-1%). Minor serp. veining.		1			1							2							0,18
42			149227	1			1							2		150	37	5		53	0,12
43				1			1							2							
44		44.15-44.8m: ONO! Very sharp boundary to a suckery textured md-cgrd Ol-Cpx rich norite. Disseminated sulphides may reach 3-4% as intercumulus/minor network mineralisation. Rarely Phi appears as trapped in intercumulus? Phase. Cromite-cromspinel may be present as accessory phase.	149228	1			1							2		655	175	8		100	0,24
45		H 44.8-46.5m: PX! Semimassive sulphide mineralised mafic rock. A 1.7m interval of very fgrd Opx-Cpx-Ol rock. Cpx appears as nearly pure clinoPX-bands. Cromite-cromspinel may be accessory present. The sulphides are interstitial throughout the section, ign places reaching up to 10-12%. Macrocrystals of poikiloblastic hypersthene occur randomly.	149229	14												1040	240	9		119	0,28
46			149230	14												916	167	9		113	0,58
47		G 44.8-58.8m: PRD! Sharp transition from PX to PRD. M-fgrd mafic rock (Ol 45%, Opx 35%, Cpx 20%). Opx occur both as finegrained and cm large poikiloblastic macrocrystals. Irregular sulphide mineralisation, disseminated (0-3%) i.e. up to 3% occur as patches. Minor patches of Ol-rich lumps - not mineralised - occur randomly. Whether Ol is > or < 40% and thus to be classified as a PRD or PX is unsure.	149231	3												1120	169	12		144	0,73
48			149232	3												982	159	11		135	
49			149233	3												1060	177	12		138	0,90
50			149234	3												1020	167	11		137	0,58

YEAR

2006

Drill Date:

07. Oct

HOLE ID:

SH 003

Project:

Ballangen

Northing:

7583394

Easting:

581483

Datum:

WGS84

Bearing:

139°

Dip:

-45°

Contractor:

Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

SH

Ballangen DDH-06 SH-003

Location:

Arnes

Project manager:

Søren Lund Jensen

Elevation:

240 meter [asl]

Drill method:

Core

Geologist:

Mikkel Vognsen

Core:

TT46

Diameter:

35,6 mm

Logged by:

Mikkel Vognsen & Martin Jebens

Length:

235,80 meter

Average REC/RQD:

98.4 pct. / 97.3 pct.

Survey date:

9. oktober 2006

Casing/overburden:

2,8 meter

by:

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE Description	Sample no. 1/2	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³	
				Po	Ph.	Cp	Gph.	X		Grt	Bi.	Ch.	Tc	Serp.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
		crystals comprise 2-30% of the rock. The sulphide mineralisation is present but minute (<0,5%).																					
68.5-70.6m	ONO!	(Ol 25%, Opx 45%, Cpx 5%, Pl 25%). The norite has clear compositional layering defined by orientated Pl laths and Px crystals. Fgnd Opx commonly occur in small <5mm lumps! - creating a dark colored dotted texture. Disseminated sulphides reach 1% in more mafic bands (<10cm width).	149251	1														526	119	7		90	0,34
				1																			0,28
				1																			0,61
				1																			
70.6-71.4m	PXI	Abrupt transition to Opx-rich Ol-websterite. Disseminated sulphides (1-2%). Spinel may be present?	149252	2														911	216	8		108	BOX 1
				2																			
71.4-77-10m	ONO!	M-fgnd mafic norite (Ol 20%, Opx 30%, Cpx 10%, Pl 40%). Accessory sulphide dissemination (0-1%). A few <5cm mineralised horizons may reach up to 3/5%.		1																			0,20
				1																			0,43
				1																			
				1																			
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YEAR		2006		Log of Borehole										SH							
Drill Date:		07. Oct		Ballangen DDH-06 SH-003																	
HOLE ID:		SH-003																			
Project:		Ballangen		Location:		Arnes		Project manager:		Soren Lund Jensen											
Northing:		7583394		Elevation:		240 meter (asl)		Drill method:		Core											
Easting:		581483		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:				35,6 mm					
Datum:		WGS84		Logged by:		Mikkel Vognsen & Martin Jebens		Length:		235,80 meter		Average REC/RQD:				98,4 pct. / 97,3 pct.					
Bearing:		139°		Logged date:		9. oktober 2006		by:		Casing/overburden:		2,8 meter									
Dip:		-45°		Survey date:																	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																			
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																					
Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration			Recovery pct.	Dip angle degree	Geochem					Mag Susc 10 ⁻⁶ SI
		Description			Fe	Pn	Cp	Gph	X		Grt	Bi	Ch			Tc	Serp	Ni (ppm)	Cu (ppm)	Fe (pct)	
85		55%). Compositional layering and numerous hairline thin 1-3mm serp veins are characteristic of this norite interval. Gph aggregates and lenses contain disseminated sulphides. RS-1 is sampled from 88.75-89.0m.		149260	1									2		119	33	4		53	
					1									2							0,12
					1									2							
					1									2							
					1									2							0,20
					1									2							
					1									2							
					1									2							
87				149261	1									2		110	34	4		47	0,06
					1									2							
					1									2							
					1									2							
					1									2							
					1									2							
88		RS-01: 88.75-89.0m.			1									2							
					1									2							
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YEAR2006

Drill Date:07. Oct

HOLE ID:SH-003

Project:Ballangen

Northing:7583394

Easting:581483

Datum:WGS84

Bearing:139°

Dip:-45°

Contractor:Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-06 SH-003

SH

Location:Arnes

Elevation:240 meter (asl)

Geologist:Mikkel Vogensen

Logged by:Mikkel Vogensen & Martin Jebens

Logged date:9. oktober 2006

Survey date:

Project manager:Søren Lund Jensen

Drill method:Core

Core:TT46

Diameter:35,6 mm

Length:235,80 meter

Average REC/RQD:98.4 pct. / 97.3 pct.

Casing/overburden:2,8 meter

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE Description	Sample no. ½	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc 10 ⁻³ SI
				Po	Pn	Cp	Gph	X		Grt	Bl	Chl	Tc	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
102				5																		0,30
103		103.0m: md-cgrd grt detected.	149269	5						10							637	222	7		95	0,22
104				5																		0,16
105				5																		
105		E 105.25-106.3m: ONO! Opx-rich norite (Ol 10%, Opx 40%, 10% Pl 40%), Disseminated sulphides (0-1%). Opx appears often as frgd spots (aggregates).	149270	5																		BOX 19 0,16
106				1																		0,12
107		E 106.3-117.1m: ONO! M-frgd compositional layered mafic norite (Ol 25%, Opx 35%, Cpx 15%, Pl 25%) The mafic phases interchange 1-5%. Disseminated sulphides (0-1%). Phil - when it is present it occurs near or at fractures as a late alt. Phase.	149271	1													347	132	6		64	0,14
108				1																		0,16
109				1																		0,20
109			149272	1													407	143	6		73	0,22
110				1																		
111				1																		BOX 20
111			149273	1													458	201	6		71	0,32
112				1																		0,14
113				1																		0,20
113			149274	1													316	141	5		63	0,16
114				1																		0,18
115				1																		
115			149275	1													243	87	5		61	0,14
116		116.25-116.35m: Mineralisation! Quartz/feldspatic horizon (assimilated gneiss/granitic xenolith) with 3-6mm euhedral olivine crystals - some with dark coronas.		1																		
116		C 116.35-117.1m: ONO!		1						60												BOX 21
117		D 117.1-119.1m: NO! Felsic Opx-norite. No mineralisation! A single granitic vein @ 117.7m rimmed by late reddish bt.	149276	1													145	41	3		38	0,14
118										5												0,06
119																						0,08

[illegible]

YEAR		2006		Log of Borehole		SH	
Drill Date:		07. Oct		Ballangen DDH-06 SH-003			
HOLE ID:		SH-003					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583394	Elevation:	240 meter [asl]	Drill method:	Core		
Easting:	581483	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter:	35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen & Martin Jebens	Length:	235,80 meter		
Bearing:	139°	Logged date:	9. oktober 2006	Average REC/RQD:	98.4 pct. / 97.3 pct.		
Dip:	-45°	Survey date:	-	by:	-	Casing/overburden:	2,8 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

[illegible]

YEAR	2006		Log of Borehole																				
Drill Date: 07. Oct			Ballangen DDH-06 SH-003																				
HOLE ID: SH-003																							
Project: Ballangen			Location: Arnes									Project manager: Søren Lund Jensen											
Northing: 7583394			Elevation: 240 meter [asl]									Drill method: Core											
Easting: 581483			Geologist: Mikkel Vogensen									Core: TT46 Diameter: 35,6 mm											
Datum: WGS84			Logged by: Mikkel Vognsen & Martin Jebens									Length: 235,80 meter											
Bearing: 139°			Survey date: 9. oktober 2006									Average REC/RQD: 98.4 pct. / 97.3 pct.											
Dip: -45°			by: -									Casing/overburden: 2,8 meter											
Contractor: Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																							
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																							
Depth	Lithology	SUBSURFACE		Sample no. ½	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc 10
		Description			Po	Pn	Cp	Gph	X		Grt	Bis	Chl	Tc	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
170									1											0,11			
171				149303					1								556	206	8	119	0,20		
172									1											0,15			
173				149304					1								606	225	7	116	0,10		
174									1											BOX 31 0,16			
175				149305					1								238	111	5	69	0,08		
176									1											0,13			
177				149306					1								353	140	6	84	0,18		
178									1											0,18			
179																				0,21			
180																				BOX 32 0,25 0,14			
181																							
182																				BOX 33 0,12			
183																				0,18			
184																				0,26			
185																				0,16			
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YEAR

2006

Drill Date:

07. Oct

HOLE ID:

SH-003

Project:

Ballangen

Northing:

7583394

Easting:

581483

Datum:

WGS84

Bearing:

139°

Dip:

-45°

Contractor:

Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

SH

Ballangen DDH-06 SH-003

Location:

Arnes

Project manager:

Søren Lund Jensen

Elevation:

240 meter [asl]

Drill method:

Core

Geologist:

Mikkel Vognsen

Core:

TT46

Diameter:

35,6 mm

Logged by:

Mikkel Vognsen & Martin Jebens

Length:

235,80 meter

Survey date:

9. oktober 2006

Average REC/RQD:

98.4 pct. / 97.3 pct.

by:

-

Casing/overburden:

2,8 meter

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Bo	Chl	Tc	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
188				149311	1			1										426	140	6		71	BOX 34
188.3-189.15m:		Alteration! Considerable alteration of the mafic phases: Ol & Px -> Bt - Tc and Tr?									5		5										0,16
189				149312	4						5		5					691	339	7		135	0,16
189.15-192.45m:		ONO! Mdgrd Cpx-rich ONO. Cpx occur as 3-6mm large crystals. Disseminated sulphides (3-4%).			4						5		5										0,38
190					4						5		5										0,26
190.35-190.5m:		Mineralisation! Semimassive sulphides (<20%) in fgrd mafic matrix.			20																		0,14
191				149313	20													592	231	7		120	0,12
191.1-191.5m:		Mineralisation! Semimassive sulphides (<20%) in fgrd mafic matrix.			20																		0,14
191.5-206.7m:		ONO! Relatively sharp compositional change to a Cpx-Opx rich norite. The boundary is defined by the decrease of Pl and the presences of reddish Bt flakes. Mineralisation as disseminated sulphides vary throughout the section between 1-3% with semimassive horizons. Gph: larger 1-3cm aggregates and lumps with sulphides occur 1-2 pr m in the more felsic parts of the noritic section. No or only very minor serp. alt.			4																		0,12
192					4																		0,18
193				149314	1													408	185	6		87	0,12
193.5m:		Compositional change! From 193.5m and down the norite is composed of (Ol 35%, Opx 15%, Cpx 5%, Pl 45%). Pl may vary on behalf of Px. This phase-interchange leads to the in places mafic-felsic banded appearance. Typically of <10cm of thickness.			1			1															0,14
194					1																		0,28
194.8-195m:		Alteration! Minor Px-alteration -> tremolite.			1													596	235	8		145	0,18
195				149315	1																		0,12
196					1			1															0,10
196.0-196.3m:		Mineralisation! Semimassive (15-20%) sulphides associated with fgrd mafic material. Assimilation proff. Minor Grt crystals.			20						5												0,18
197				149316	1													394	140	7		96	0,12
198					1			1															0,10
198.65-198.75m:		Mineralisation! Semimassive (15-20%) sulphides associated with fgrd mafic material and altered Bt flakes + late epigenetic S-impregnation.			20																		0,02
199				149317	1			1										615	327	8		145	0,12
199.65-198.75m:		Mineralisation! Semimassive (15-20%) sulphide.			20																		0,10
200					1			1															0,18
201				149318	1													187	67	5		48	0,10
202					1																		0,10
203				149319	1													636	318	9		144	0,45
203.3-203.55m:		Mineralisation! Semimassive (<15%) sulphides associated with fgrd mafic			15																		0,10
203.55-203.6m:		Mineralisation! Semimassive (15-20%) sulphides associated with fgrd mafic			15																		0,10
203.85-204.05m:		Mineralisation! Semimassive (15-20%) sulphides associated with fgrd mafic			20																		0,10

10

15

YEAR2006

Drill Date:07. Oct

HOLE ID:SH-003

Project:Ballangen

Northing:7583394

Eastng:581483

Datum:WGS84

Bearing:139°

Dip:-45°

Contractor:Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-06 SH-003

Project manager:Soren Lund Jensen

Drill method:Core

Core:TT46

Diameter:35,6 mm

Length:235,80 meter

Average REC/RQD:98.4 pct. / 97.3 pct.

Casing/overburden:2,8 meter

by:

Survey date:

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Location:Arnes

Elevation:240 meter [asl]

Geologist:Mikkel Vognsen

Logged by:Mikkel Vognsen & Martin Jebens

Logged date:9. oktober 2006

Depth

Lithology

SUBSURFACE

Description

Sample no.

Sulphides

Quartz

Alteration

Recovery

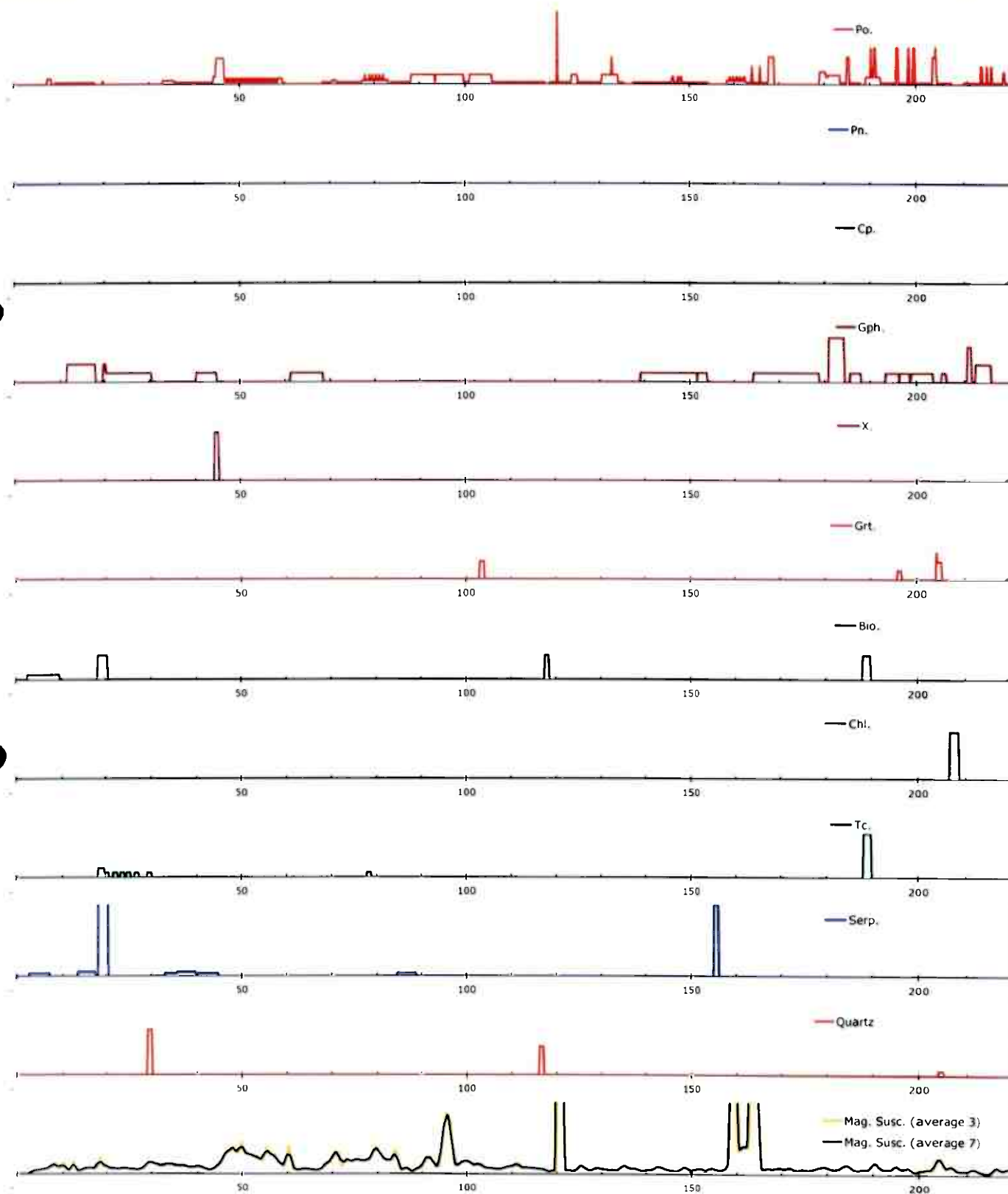
Dip angle

Geochem

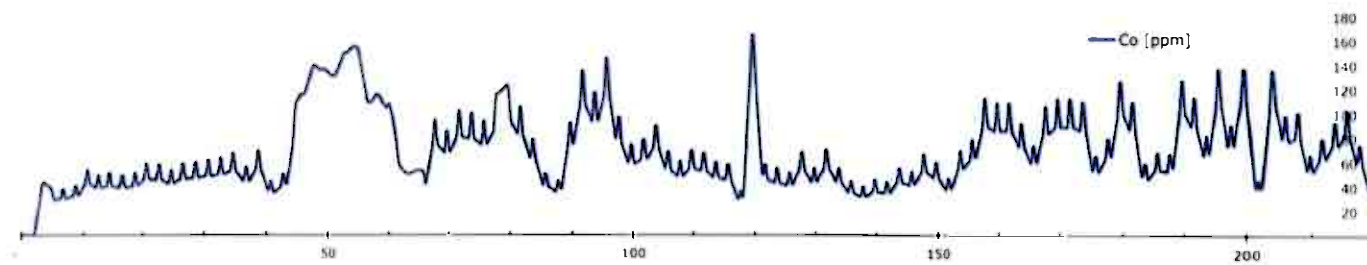
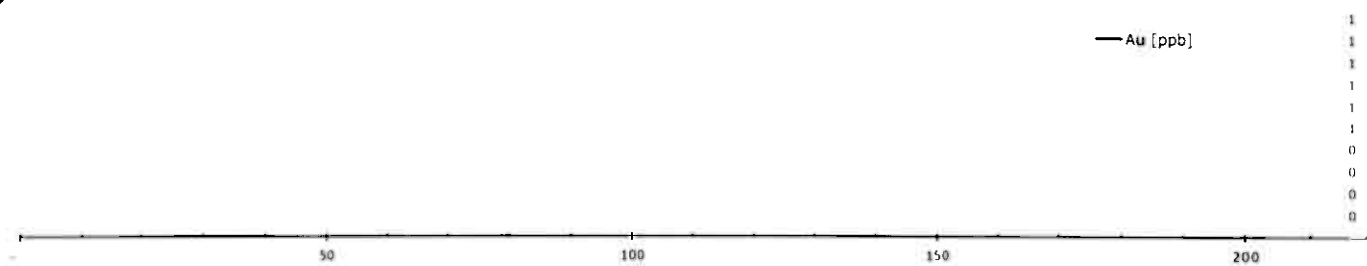
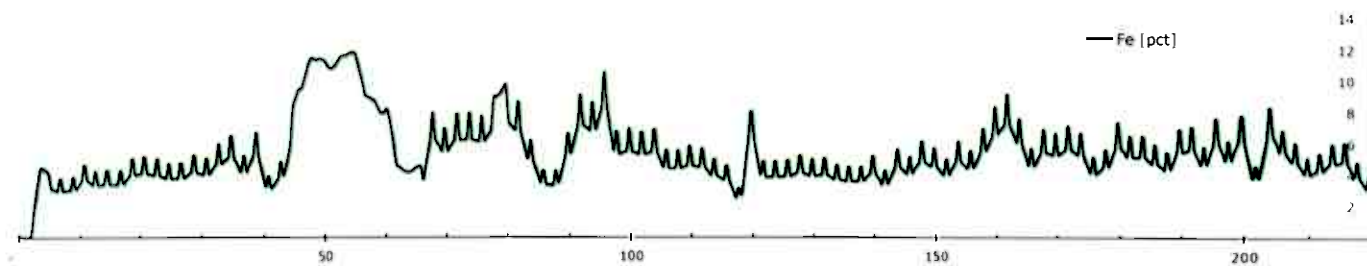
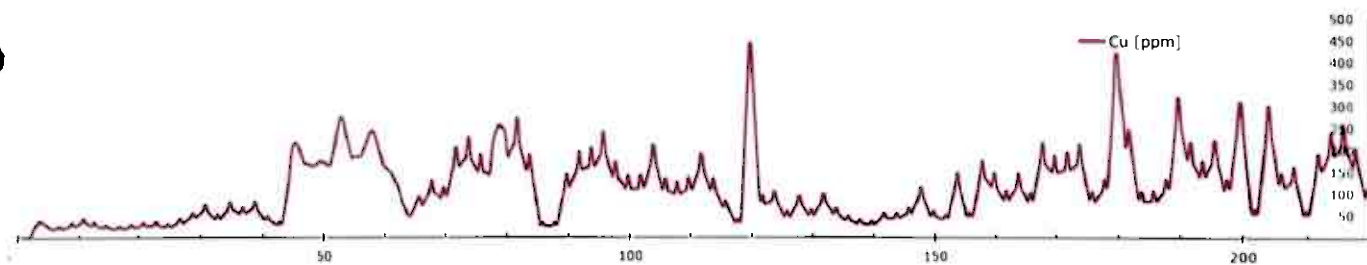
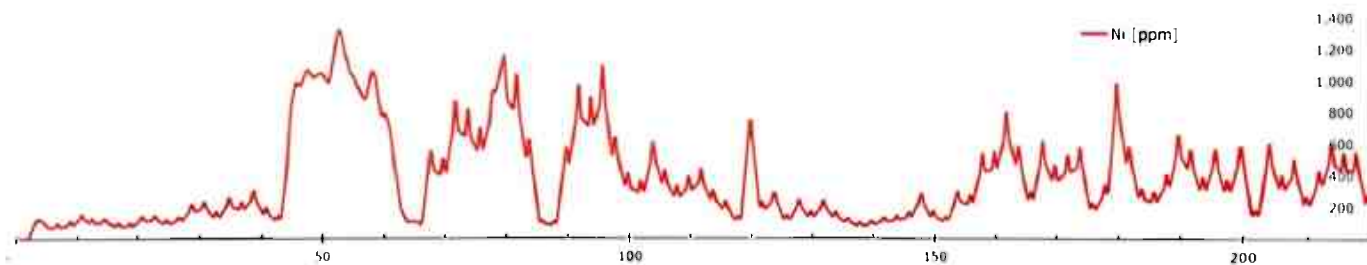
Mag Susc 10

<

YEAR	2006	Log of Borehole				SH
Drill Date:	07 October	Ballangen DDH-06 SH-003				
HOLE ID:	SH-003					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen	
Northing:	7583394	Elevation:	240 meter [asl]	Drill method:	Core	
Easting:	581483	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen & Martin Jebens	Length:	235,80 meter	
Bearing:	139°	Logged date:	9. oktober 2006	Average REC/RQD:	98.4 pct. / 97.3 pct.	
Dip:	-45°	Survey date:		by:	Casing/overburden:	2,8 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						



YEAR		2006		Log of Borehole		SH	
Drill Date:		07 October		Ballangen DDH-06 SH-003			
HOLE ID:		SH-003					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583394	Elevation:	240 meter [asl]	Drill method:	Core		
Easting:	581483	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter:	35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen & Martin Jebens	Length:	235,80 meter		
Bearing:	139°	Logged date:	9. oktober 2006	Average REC/RQD:	98.4 pct. / 97.3 pct.		
Dip:	-45°	Survey date:	-	by:	-		
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338			Casing/overburden:	2,8 meter		
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							



Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	236 meter
Casing/Overburden	2,8 meter

BOX 1		5,82 m	EXCELLENT
Date:	09 okt 06		DIP ANGLE
	2,84	- to -	8,66
RECOVERY			
Total	Solid	Modified	
[cm]	[cm]	[cm]	

REC		RQD	Degrees from horizontal	
98,5	97,9	97,9		
90,50		90,50	1. Row	75°
3,50	NI		2. Row	65°
8,00		8,00	3. Row	70°
60,50		60,50	4. Row	50°
33,00		33,00	5. Row	45°
31,00		31,00	6. Row	40°
61,00		61,00	7. Row	
96,00		96,00		
95,00		95,00		
39,00		39,00		
56,00		56,00		

Magnetic Susceptibility	
1. Row	0,10
2. Row	0,10
3. Row	0,12
4. Row	0,14
5. Row	0,16
6. Row	0,26
7. Row	

Measurement at	
1. Row	3,26 m
2. Row	4,09 m
3. Row	4,92 m
4. Row	5,75 m
5. Row	6,58 m
6. Row	7,41 m
7. Row	8,24 m

BOX 2			5,83 m	EXCELLENT
Date: 09 okt 06			DIP ANGLE	
8,66 - to - 14,49				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
97,6	95,5	95,5		
98,00	NI	98,00	1. Row	70°
12,00			2. Row	30°
84,00		84,00	3. Row	45°
43,00		43,00	4. Row	60°
47,00		47,00	5. Row	70°
96,00		96,00	6. Row	40°
96,00		96,00	7. Row	
54,00		54,00		
39,00		39,00		

Magnetic Susceptibility	
1. Row	0,14
2. Row	0,32
3. Row	0,08
4. Row	0,12
5. Row	0,36
6. Row	0,08
7. Row	

Measurement at	
1. Row	9,08 m
2. Row	9,91 m
3. Row	10,74 m
4. Row	11,58 m
5. Row	12,41 m
6. Row	13,24 m
7. Row	14,07 m

BOX 3			5,46 m	EXCELLENT
Date: 09 okt 06			DIP ANGLE	
14,49 - to - 19,95				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
98,00		98,00	1. Row	45°
97,00		97,00	2. Row	
15,00		15,00	3. Row	
68,00		68,00	4. Row	20°
93,00		93,00	5. Row	40°
97,00		97,00	6. Row	
37,00		37,00	7. Row	
15,00		15,00		
25,00		25,00		

Magnetic Susceptibility	
1. Row	0,14
2. Row	0,18
3. Row	0,16
4. Row	0,14
5. Row	0,49
6. Row	0,24
7. Row	

Measurement at	
1. Row	14,88 m
2. Row	15,66 m
3. Row	16,44 m
4. Row	17,22 m
5. Row	18,00 m
6. Row	18,78 m
7. Row	19,56 m

BOX 4	5,70 m	EXCELLENT
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Date: 09 okt 06	DIP ANGLE
19,95 - to - 25,65	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
100,0	98,2	97,4	
95,00		95,00	1. Row 20°
98,00		98,00	2. Row 60°
10,00	NI		3. Row 40°
68,00		68,00	4. Row 45°
11,00		11,00	5. Row 70°
96,00		96,00	6. Row 65°
96,00		96,00	7. Row
91,00		91,00	
5,00			

Magnetic Susceptibility

1. Row	0,16
2. Row	0,16
3. Row	0,14
4. Row	0,14
5. Row	0,18
6. Row	0,14
7. Row	

Measurement at

1. Row	20,36 m
2. Row	21,17 m
3. Row	21,99 m
4. Row	22,80 m
5. Row	23,61 m
6. Row	24,43 m
7. Row	25,24 m

BOX 5	5,75 m	EXCELLENT
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Date: 10 okt 06	DIP ANGLE
25,65 - to - 31,40	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
100,0	100,0	99,1	
99,00		99,00	1. Row 37°
99,00		99,00	2. Row 32°
73,00		73,00	3. Row
22,00		22,00	4. Row 68°
99,00		99,00	5. Row 43°
96,00		96,00	6. Row 35°
82,00		82,00	7. Row
5,00			

Magnetic Susceptibility

1. Row	0,12
2. Row	0,12
3. Row	0,14
4. Row	0,24
5. Row	0,36
6. Row	0,28
7. Row	

Measurement at

1. Row	26,06 m
2. Row	26,88 m
3. Row	27,70 m
4. Row	28,53 m
5. Row	29,35 m
6. Row	30,17 m
7. Row	30,99 m

BOX 6			5,75 m	EXCELLENT
Date:		10 okt 06		
31,40		- to - 37,15		
RECOVERY			DIP ANGLE	
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
98,00	98,00		1. Row	43°
97,00	97,00		2. Row	46°
98,00	98,00		3. Row	42°
96,00	96,00		4. Row	79°
96,00	96,00		5. Row	38°
90,00	90,00		6. Row	35°
			7. Row	

Magnetic Susceptibility

1. Row	0,20
2. Row	0,29
3. Row	0,26
4. Row	0,28
5. Row	0,22
6. Row	0,24
7. Row	

Measurement at

1. Row	31,81 m
2. Row	32,63 m
3. Row	33,45 m
4. Row	34,28 m
5. Row	35,10 m
6. Row	35,92 m
7. Row	36,74 m

BOX 7			5,78 m	EXCELLENT
Date:		10 okt 06		
37,15		- to - 42,93		
RECOVERY			DIP ANGLE	
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
96,4	91,5	90,8		
13,00	13,00		1. Row	
75,00	75,00		2. Row	
93,00	93,00		3. Row	12°
20,00	20,00		4. Row	45°
28,00	NI		5. Row	
49,00		49,00	6. Row	41°
4,00			7. Row	
84,00	84,00			
96,00	96,00			
95,00	95,00			

Magnetic Susceptibility

1. Row	0,20
2. Row	0,18
3. Row	0,20
4. Row	0,22
5. Row	0,18
6. Row	0,12
7. Row	

Measurement at

1. Row	37,56 m
2. Row	38,39 m
3. Row	39,21 m
4. Row	40,04 m
5. Row	40,87 m
6. Row	41,69 m
7. Row	42,52 m

BOX 8			5,47 m	EXCELLENT
Date: 10 okt 06			DIP ANGLE	
42,93 - to - 48,40				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	98,7		
7,00			1. Row	23°
82,00		82,00	2. Row	28°
97,00		97,00	3. Row	30°
97,00		97,00	4. Row	51°
27,00		27,00	5. Row	50°
64,00		64,00	6. Row	
97,00		97,00	7. Row	
76,00		76,00		

Magnetic Susceptibility	
1. Row	0,12
2. Row	0,24
3. Row	0,28
4. Row	0,58
5. Row	0,61
6. Row	0,73
7. Row	

Measurement at	
1. Row	43,32 m
2. Row	44,10 m
3. Row	44,88 m
4. Row	45,67 m
5. Row	46,45 m
6. Row	47,23 m
7. Row	48,01 m

BOX 9			5,51 m	EXCELLENT
Date: 10 okt 06			DIP ANGLE	
48,40 - to - 53,91				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
20,00		20,00	1. Row	
73,00		73,00	2. Row	62°
97,00		97,00	3. Row	
94,00		94,00	4. Row	
95,00		95,00	5. Row	
96,00		96,00	6. Row	
76,00		76,00	7. Row	

Magnetic Susceptibility	
1. Row	0,51
2. Row	0,90
3. Row	0,58
4. Row	0,53
5. Row	0,53
6. Row	0,45
7. Row	

Measurement at	
1. Row	48,79 m
2. Row	49,58 m
3. Row	50,37 m
4. Row	51,16 m
5. Row	51,94 m
6. Row	52,73 m
7. Row	53,52 m

BOX 10			5,79 m	EXCELLENT
Date: 10 okt 06			DIP ANGLE	
53,91 - to - 59,70				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
9,00		9,00	1. Row	
84,00		84,00	2. Row	25°
97,00		97,00	3. Row	70°
15,50		15,50	4. Row	25°
84,50		84,50	5. Row	
96,00		96,00	6. Row	35°
96,50		96,50	7. Row	
96,00		96,00		

Magnetic Susceptibility

1. Row	0,35
2. Row	0,75
3. Row	0,53
4. Row	0,53
5. Row	0,36
6. Row	0,24
7. Row	

Measurement at

1. Row	54,32 m
2. Row	55,15 m
3. Row	55,98 m
4. Row	56,80 m
5. Row	57,63 m
6. Row	58,46 m
7. Row	59,28 m

BOX 11			5,84 m	EXCELLENT
Date: 10 okt 06			DIP ANGLE	
59,70 - to - 65,54				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD		Degrees from horizontal	
98,8	98,8	98,8		
37,00		37,00	1. Row	30°
56,00		56,00	2. Row	50°
99,00		99,00	3. Row	45°
96,50		96,50	4. Row	50°
95,00		95,00	5. Row	45°
99,00		99,00	6. Row	55°
95,00		95,00	7. Row	

Magnetic Susceptibility

1. Row	0,82
2. Row	0,15
3. Row	0,12
4. Row	0,10
5. Row	0,16
6. Row	0,12
7. Row	

Measurement at

1. Row	60,11 m
2. Row	60,95 m
3. Row	61,78 m
4. Row	62,62 m
5. Row	63,45 m
6. Row	64,29 m
7. Row	65,12 m

BOX 12	5,76 m	EXCELLENT
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Date: 10 okt 06			DIP ANGLE	
65,54 - to - 71,30			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
{cm}	{cm}	{cm}		

REC		RQD	Degrees from horizontal	
99,9	99,9	99,9		
97,50		97,50	1. Row	30°
96,50		96,50	2. Row	65°
96,00		96,00	3. Row	
93,50		93,50	4. Row	
22,00		22,00	5. Row	
72,50		72,50	6. Row	15°
97,50		97,50	7. Row	

Magnetic Susceptibility

1. Row	0,10
2. Row	0,10
3. Row	0,16
4. Row	0,34
5. Row	0,28
6. Row	0,61
7. Row	

Measurement at

1. Row	65,95 m
2. Row	66,77 m
3. Row	67,60 m
4. Row	68,42 m
5. Row	69,24 m
6. Row	70,07 m
7. Row	70,89 m

BOX 13	5,78 m	EXCELLENT
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Date: 10 okt 06			DIP ANGLE	
71,30 - to - 77,08			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,4	95,9	95,9		
95,50		95,50	1. Row	
98,50		98,50	2. Row	
74,00		74,00	3. Row	70°
20,00	NI		4. Row	
8,00		8,00	5. Row	30°
89,00		89,00	6. Row	
94,00		94,00	7. Row	
18,50		18,50		
77,00		77,00		

Magnetic Susceptibility

1. Row	0,20
2. Row	0,43
3. Row	0,36
4. Row	0,34
5. Row	0,43
6. Row	0,36
7. Row	

Measurement at

1. Row	71,71 m
2. Row	72,54 m
3. Row	73,36 m
4. Row	74,19 m
5. Row	75,02 m
6. Row	75,84 m
7. Row	76,67 m

BOX 14 5,57 m **EXCELLENT**

Date: 10 okt 06			DIP ANGLE	
77,08 - to - 82,65			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,5	98,4	98,4		
96,00	NI	96,00	1. Row	19°
6,00			2. Row	20°
89,00		89,00	3. Row	18°
38,00		38,00	4. Row	22°
46,00		46,00	5. Row	65°
94,00		94,00	6. Row	45°
94,00		94,00	7. Row	
45,00		45,00		
46,00		46,00		

Magnetic Susceptibility

1. Row	0,38
2. Row	0,46
3. Row	0,79
4. Row	0,63
5. Row	0,50
6. Row	0,38
7. Row	

Measurement at

1. Row	77,48 m
2. Row	78,27 m
3. Row	79,07 m
4. Row	79,87 m
5. Row	80,66 m
6. Row	81,46 m
7. Row	82,25 m

BOX 15 5,75 m **EXCELLENT**

Date: 11 okt 06			DIP ANGLE	
82,65 - to - 88,40			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
96,00		96,00	1. Row	
99,00		99,00	2. Row	
97,00		97,00	3. Row	
95,00		95,00	4. Row	63°
93,00		93,00	5. Row	
85,00		85,00	6. Row	
10,00		10,00	7. Row	

Magnetic Susceptibility

1. Row	0,38
2. Row	0,71
3. Row	0,10
4. Row	0,12
5. Row	0,20
6. Row	0,06
7. Row	

Measurement at

1. Row	83,06 m
2. Row	83,88 m
3. Row	84,70 m
4. Row	85,53 m
5. Row	86,35 m
6. Row	87,17 m
7. Row	87,99 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	236 meter
Casing/Overburden	2,8 meter

BOX 16		5,58 m	EXCELLENT	
Date: 11 okt 06		DIP ANGLE		
88,40 - to - 93,98		Fractures	Foliation or bedding	
RECOVERY				
Total	Solid			Modified
[cm]	[cm]			[cm]

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
91,00	91,00	1. Row
94,00	94,00	2. Row
93,00	93,00	3. Row
93,00	93,00	4. Row
91,00	91,00	5. Row
96,00	96,00	6. Row
		7. Row

Magnetic Susceptibility	
1. Row	0,20
2. Row	0,12
3. Row	0,43
4. Row	0,47
5. Row	0,43
6. Row	0,20
7. Row	

Measurement at	
1. Row	88,80 m
2. Row	89,60 m
3. Row	90,39 m
4. Row	91,19 m
5. Row	91,99 m
6. Row	92,78 m
7. Row	93,58 m

BOX 17	5,65 m	EXCELLENT
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Date: 11 okt 06	DIP ANGLE
93,98 - to - 99,63	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
95,00	95,00	1. Row 50°
97,00	97,00	2. Row
92,00	92,00	3. Row 40°
97,00	97,00	4. Row 55°
98,00	98,00	5. Row
28,00	28,00	6. Row
58,00	58,00	7. Row

Magnetic Susceptibility

1. Row	0,94
2. Row	1,74
3. Row	1,53
4. Row	0,30
5. Row	0,20
6. Row	0,34
7. Row	

Measurement at

1. Row	94,38 m
2. Row	95,19 m
3. Row	96,00 m
4. Row	96,81 m
5. Row	97,61 m
6. Row	98,42 m
7. Row	99,23 m

BOX 18	5,51 m	GOOD
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Date: 11 okt 06	DIP ANGLE
99,63 - to - 105,14	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
97,8	88,2	86,9
94,00		94,00
17,00	NI	
50,00		50,00
18,00	NI	
40,00		40,00
18,00	NI	
37,00		37,00
18,00		18,00
10,00		10,00
7,00		
16,00		16,00
38,00		38,00
93,00		93,00
29,00		29,00
54,00		54,00

Magnetic Susceptibility

1. Row	0,38
2. Row	0,26
3. Row	0,24
4. Row	0,30
5. Row	0,22
6. Row	0,16
7. Row	

Measurement at

1. Row	100,02 m
2. Row	100,81 m
3. Row	101,60 m
4. Row	102,39 m
5. Row	103,17 m
6. Row	103,96 m
7. Row	104,75 m

BOX 19	5,62 m	EXCELLENT
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Date:	11 okt 06	DIP ANGLE
105,14 - to - 110,76		
RECOVERY		
Total	Solid	Modified
[cm]	[cm]	[cm]
		Fractures
		Foliation or bedding

REC		RQD	Degrees from horizontal
98,2	98,2	98,2	
95,00		95,00	1. Row
91,00		91,00	2. Row 40°
89,00		89,00	3. Row
46,00		46,00	4. Row 30°
42,00		42,00	5. Row 30°
25,00		25,00	6. Row 40°
65,00		65,00	7. Row
99,00		99,00	

Magnetic Susceptibility

1. Row	0,16
2. Row	0,12
3. Row	0,14
4. Row	0,16
5. Row	0,20
6. Row	0,22
7. Row	

Measurement at

1. Row	105,54 m
2. Row	106,34 m
3. Row	107,15 m
4. Row	107,95 m
5. Row	108,75 m
6. Row	109,56 m
7. Row	110,36 m

BOX 20	5,68 m	EXCELLENT
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Date:	11 okt 06	DIP ANGLE
110,76 - to - 116,44		
RECOVERY		
Total	Solid	Modified
[cm]	[cm]	[cm]
		Fractures
		Foliation or bedding

REC		RQD	Degrees from horizontal
100,0	100,0	100,0	
98,00		98,00	1. Row
95,00		95,00	2. Row
98,00		98,00	3. Row
70,00		70,00	4. Row
16,00		16,00	5. Row
96,00		96,00	6. Row
95,00		95,00	7. Row

Magnetic Susceptibility

1. Row	0,32
2. Row	0,14
3. Row	0,20
4. Row	0,16
5. Row	0,18
6. Row	0,14
7. Row	

Measurement at

1. Row	111,17 m
2. Row	111,98 m
3. Row	112,79 m
4. Row	113,60 m
5. Row	114,41 m
6. Row	115,22 m
7. Row	116,03 m

BOX 21			6,16 m	EXCELLENT	
Date: 11 okt 06			DIP ANGLE		
116,44 - to - 122,60			Fractures	Foliation or bedding	
RECOVERY					
Total [cm]	Solid [cm]	Modified [cm]			
REC 91,9	91,9	RQD 91,2	Degrees from horizontal		
97,00		97,00	1. Row		
97,00		97,00	2. Row	80°	
97,00		97,00	3. Row		
86,00		86,00	4. Row		
4,00			5. Row	60°	
94,00		94,00	6. Row	40°	
91,00		91,00	7. Row		

Magnetic Susceptibility	
1. Row	0,14
2. Row	0,06
3. Row	0,08
4. Row	0,10
5. Row	16,60
6. Row	0,10
7. Row	

Measurement at	
1. Row	116,88 m
2. Row	117,76 m
3. Row	118,64 m
4. Row	119,52 m
5. Row	120,40 m
6. Row	121,28 m
7. Row	122,16 m

BOX 22			5,67 m	EXCELLENT	
Date: 11 okt 06			DIP ANGLE		
122,60 - to - 128,27			Fractures	Foliation or bedding	
RECOVERY					
Total [cm]	Solid [cm]	Modified [cm]			
REC			RQD		
100,0	100,0	100,0	Degrees from horizontal		
94,00		94,00	1. Row		
93,00		93,00	2. Row		
96,00		96,00	3. Row	40°	
97,00		97,00	4. Row	30°	
18,00		18,00	5. Row	60°	
72,00		72,00	6. Row	30°	
97,00		97,00	7. Row		

Magnetic Susceptibility	
1. Row	0,10
2. Row	0,04
3. Row	0,22
4. Row	0,24
5. Row	0,12
6. Row	0,10
7. Row	

Measurement at	
1. Row	123,01 m
2. Row	123,82 m
3. Row	124,63 m
4. Row	125,44 m
5. Row	126,25 m
6. Row	127,06 m
7. Row	127,87 m

BOX 23	5,84 m	EXCELLENT
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Date: 11 okt 06	DIP ANGLE
128,27 - to - 134,11	
RECOVERY	
Total [cm]	Solid [cm] Modified [cm]
	Fractures Foliation or bedding

REC		RQD		Degrees from horizontal
96,1	96,1	96,1		
92,00		92,00	1. Row	30°
93,00		93,00	2. Row	30°
25,00		25,00	3. Row	
64,00		64,00	4. Row	
97,00		97,00	5. Row	
95,00		95,00	6. Row	
95,00		95,00	7. Row	

Magnetic Susceptibility

1. Row	0,20
2. Row	0,12
3. Row	0,14
4. Row	0,10
5. Row	0,12
6. Row	0,10
7. Row	

Measurement at

1. Row	128,69 m
2. Row	129,52 m
3. Row	130,36 m
4. Row	131,19 m
5. Row	132,02 m
6. Row	132,86 m
7. Row	133,69 m

BOX 24	5,78 m	GOOD
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Date: 12 okt 06	DIP ANGLE
134,11 - to - 139,89	
RECOVERY	
Total [cm]	Solid [cm] Modified [cm]
	Fractures Foliation or bedding

REC		RQD		Degrees from horizontal
94,1	87,2	87,2		
97,00		97,00	1. Row	30°
96,00		96,00	2. Row	
24,00		24,00	3. Row	70°
40,00	NI		4. Row	
93,00		93,00	5. Row	
97,00		97,00	6. Row	
97,00		97,00	7. Row	

Magnetic Susceptibility

1. Row	0,26
2. Row	0,20
3. Row	0,14
4. Row	0,16
5. Row	0,12
6. Row	0,08
7. Row	

Measurement at

1. Row	134,52 m
2. Row	135,35 m
3. Row	136,17 m
4. Row	137,00 m
5. Row	137,83 m
6. Row	138,65 m
7. Row	139,48 m

BOX 25	5,75 m	EXCELLENT
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Date: 12 okt 06			DIP ANGLE	
139,89 - to - 145,64			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 99,0	99,0	RQD 99,0	Degrees from horizontal
95,00		95,00	1. Row
98,00		98,00	2. Row
96,00		96,00	3. Row
91,00		91,00	4. Row
94,00		94,00	5. Row
95,00		95,00	6. Row
			7. Row

**Magnetic
Susceptibility**

1. Row	0,14
2. Row	0,08
3. Row	0,20
4. Row	0,20
5. Row	0,16
6. Row	0,10
7. Row	

Measurement at

1. Row	140,30 m
2. Row	141,12 m
3. Row	141,94 m
4. Row	142,77 m
5. Row	143,59 m
6. Row	144,41 m
7. Row	145,23 m

BOX 26	5,74 m	EXCELLENT
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Date: 12 okt 06			DIP ANGLE	
145,64 - to - 151,38			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 98,4	98,4	RQD 98,4	Degrees from horizontal
94,00		94,00	1. Row
93,00		93,00	2. Row
93,00		93,00	3. Row
32,00		32,00	4. Row 30°
58,00		58,00	5. Row 20°
98,00		98,00	6. Row
97,00		97,00	7. Row

**Magnetic
Susceptibility**

1. Row	0,08
2. Row	0,08
3. Row	0,16
4. Row	0,22
5. Row	0,08
6. Row	0,12
7. Row	

Measurement at

1. Row	146,05 m
2. Row	146,87 m
3. Row	147,69 m
4. Row	148,51 m
5. Row	149,33 m
6. Row	150,15 m
7. Row	150,97 m

BOX 27 5,59 m **EXCELLENT**

Date: 12 okt 06			DIP ANGLE	
151,38 - to - 156,97			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
52,00		52,00	1. Row	40°
41,00		41,00	2. Row	50°
92,00		92,00	3. Row	60°
94,00		94,00	4. Row	
91,00		91,00	5. Row	35°
45,00		45,00	6. Row	60°
48,00		48,00	7. Row	
96,00		96,00		

Magnetic Susceptibility

1. Row	0,18
2. Row	0,10
3. Row	0,10
4. Row	0,18
5. Row	0,14
6. Row	0,10
7. Row	

Measurement at

1. Row	151,78 m
2. Row	152,58 m
3. Row	153,38 m
4. Row	154,18 m
5. Row	154,97 m
6. Row	155,77 m
7. Row	156,57 m

BOX 28 5,88 m **EXCELLENT**

Date: 12 okt 06			DIP ANGLE	
156,97 - to - 162,85			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
96,3	93,7	93,7		
94,00		94,00	1. Row	
95,00		95,00	2. Row	42°
94,00		94,00	3. Row	57°
93,00		93,00	4. Row	45°
15,00	NI		5. Row	36°
79,00		79,00	6. Row	
96,00		96,00	7. Row	

Magnetic Susceptibility

1. Row	0,14
2. Row	0,39
3. Row	7,06
4. Row	0,62
5. Row	0,76
6. Row	0,77
7. Row	

Measurement at

1. Row	157,39 m
2. Row	158,23 m
3. Row	159,07 m
4. Row	159,91 m
5. Row	160,75 m
6. Row	161,59 m
7. Row	162,43 m

BOX 29			5,75 m	EXCELLENT
Date: 12 okt 06		DIP ANGLE		
162,85 - to - 168,60				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,6	98,6	98,6		
95,00		95,00	1. Row	
97,00		97,00	2. Row	60°
97,00		97,00	3. Row	55°
96,00		96,00	4. Row	32°
32,00		32,00	5. Row	
60,00		60,00	6. Row	
90,00		90,00	7. Row	

Magnetic Susceptibility

1. Row	8,28
2. Row	5,08
3. Row	0,20
4. Row	0,10
5. Row	0,18
6. Row	0,14
7. Row	

Measurement at

1. Row	163,26 m
2. Row	164,08 m
3. Row	164,90 m
4. Row	165,73 m
5. Row	166,55 m
6. Row	167,37 m
7. Row	168,19 m

BOX 30			5,42 m	EXCELLENT
Date: 12 okt 06		DIP ANGLE		
168,60 - to - 174,02				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
100,0	93,9	93,9		
67,00		67,00	1. Row	
33,00	NI		2. Row	
68,00		68,00	3. Row	
91,00		91,00	4. Row	
95,00		95,00	5. Row	
96,00		96,00	6. Row	
92,00		92,00	7. Row	

Magnetic Susceptibility

1. Row	0,17
2. Row	0,18
3. Row	0,11
4. Row	0,20
5. Row	0,15
6. Row	0,10
7. Row	

Measurement at

1. Row	168,99 m
2. Row	169,76 m
3. Row	170,54 m
4. Row	171,31 m
5. Row	172,08 m
6. Row	172,86 m
7. Row	173,63 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	236 meter
Casing/Overburden	2,8 meter

BOX 31		5,87 m	EXCELLENT	
Date: 12 okt 06		DIP ANGLE		
174,02 - to - 179,89		Fractures	Foliation or bedding	
RECOVERY				
Total	Solid			Modified
[cm]	[cm]			[cm]

REC	RQD	Degrees from horizontal
98,1	98,1	98,1
95,00	95,00	1. Row
55,00	55,00	2. Row
40,00	40,00	3. Row
95,00	95,00	4. Row
97,00	97,00	5. Row
96,00	96,00	6. Row
98,00	98,00	7. Row

Magnetic Susceptibility	
1. Row	0,16
2. Row	0,08
3. Row	0,13
4. Row	0,13
5. Row	0,18
6. Row	0,21
7. Row	

Measurement at	
1. Row	174,44 m
2. Row	175,28 m
3. Row	176,12 m
4. Row	176,96 m
5. Row	177,79 m
6. Row	178,63 m
7. Row	179,47 m

BOX 32			1,61 m	EXCELLENT
Date: 12 okt 06		DIP ANGLE		
179,89 - to - 181,50				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD		Degrees from horizontal
100,0	100,0	100,0	
94,00		94,00	1. Row
67,00		67,00	2. Row
			3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility	
1. Row	0,25
2. Row	0,14
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	180,01 m
2. Row	180,24 m
3. Row	180,47 m
4. Row	180,70 m
5. Row	180,93 m
6. Row	181,16 m
7. Row	181,39 m

BOX 33			5,89 m	EXCELLENT
Date: 13 okt 06		DIP ANGLE		
181,50 - to - 187,39				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD		Degrees from horizontal
95,4	95,4	95,4	
94,00		94,00	1. Row
95,00		95,00	2. Row
98,00		98,00	3. Row
91,00		91,00	4. Row
92,00		92,00	5. Row
53,00		53,00	6. Row
39,00		39,00	7. Row

Magnetic Susceptibility	
1. Row	0,12
2. Row	0,18
3. Row	0,26
4. Row	0,26
5. Row	0,16
6. Row	0,10
7. Row	

Measurement at	
1. Row	181,92 m
2. Row	182,76 m
3. Row	183,60 m
4. Row	184,45 m
5. Row	185,29 m
6. Row	186,13 m
7. Row	186,97 m

BOX 34	5,54 m	EXCELLENT
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Date: 13 okt 06			DIP ANGLE	
187,39 - to - 192,93				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
94,00	94,00	1. Row
95,00	95,00	2. Row 54°
93,00	93,00	3. Row 48°
90,00	90,00	4. Row
92,00	92,00	5. Row 42°
78,00	78,00	6. Row
12,00	12,00	7. Row

Magnetic Susceptibility

1. Row	0,16
2. Row	0,12
3. Row	0,16
4. Row	0,38
5. Row	0,26
6. Row	0,14
7. Row	

Measurement at

1. Row	187,79 m
2. Row	188,58 m
3. Row	189,37 m
4. Row	190,16 m
5. Row	190,95 m
6. Row	191,74 m
7. Row	192,53 m

BOX 35	5,57 m	EXCELLENT
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Date: 13 okt 06			DIP ANGLE	
192,93 - to - 198,50				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
99,6	99,6	99,6
92,00	92,00	1. Row
93,00	93,00	2. Row
94,00	94,00	3. Row
93,00	93,00	4. Row
92,00	92,00	5. Row
91,00	91,00	6. Row
		7. Row

Magnetic Susceptibility

1. Row	0,12
2. Row	0,14
3. Row	0,28
4. Row	0,18
5. Row	0,12
6. Row	0,18
7. Row	

Measurement at

1. Row	193,33 m
2. Row	194,12 m
3. Row	194,92 m
4. Row	195,72 m
5. Row	196,51 m
6. Row	197,31 m
7. Row	198,10 m

BOX 36

5,92 m

EXCELLENT

Date: 13 okt 06			DIP ANGLE	
198,50 - to - 204,42			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
94,8	94,8	94,8		
10,00		10,00	1. Row	
82,00		82,00	2. Row	45°
95,00		95,00	3. Row	
95,00		95,00	4. Row	
95,00		95,00	5. Row	
95,00		95,00	6. Row	
89,00		89,00	7. Row	

Magnetic Susceptibility	
1. Row	0,02
2. Row	0,12
3. Row	0,10
4. Row	0,18
5. Row	0,10
6. Row	0,45
7. Row	

Measurement at	
1. Row	198,92 m
2. Row	199,77 m
3. Row	200,61 m
4. Row	201,46 m
5. Row	202,31 m
6. Row	203,15 m
7. Row	204,00 m

BOX 37

5,46 m

EXCELLENT

Date: 13 okt 06			DIP ANGLE	
204,42 - to - 209,88			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
{cm}	{cm}	{cm}		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
8,00		8,00	1. Row	
81,00		81,00	2. Row	22°
90,00		90,00	3. Row	
91,00		91,00	4. Row	
66,00		66,00	5. Row	
24,00		24,00	6. Row	
93,00		93,00	7. Row	
93,00		93,00		

Magnetic Susceptibility	
1. Row	0,18
2. Row	0,16
3. Row	0,30
4. Row	0,12
5. Row	0,10
6. Row	0,10
7. Row	

Measurement at	
1. Row	204,81 m
2. Row	205,59 m
3. Row	206,37 m
4. Row	207,15 m
5. Row	207,93 m
6. Row	208,71 m
7. Row	209,49 m

BOX 38	5,52 m	EXCELLENT
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Date: 13 okt 06	DIP ANGLE
209,88 - to - 215,40	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
99,6	99,6	99,6
94,00	94,00	1. Row 69°
94,00	94,00	2. Row
93,00	93,00	3. Row
90,00	90,00	4. Row 36°
66,00	66,00	5. Row
22,00	22,00	6. Row
91,00	91,00	7. Row

Magnetic Susceptibility

1. Row	0,10
2. Row	0,20
3. Row	0,10
4. Row	0,10
5. Row	0,04
6. Row	0,05
7. Row	

Measurement at

1. Row	210,27 m
2. Row	211,06 m
3. Row	211,85 m
4. Row	212,64 m
5. Row	213,43 m
6. Row	214,22 m
7. Row	215,01 m

BOX 39	5,74 m	EXCELLENT
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Date: 13 okt 06	DIP ANGLE
215,40 - to - 221,14	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
99,3	99,3	99,3
96,00	96,00	1. Row
96,00	96,00	2. Row
96,00	96,00	3. Row
96,00	96,00	4. Row
92,00	92,00	5. Row
94,00	94,00	6. Row
		7. Row

Magnetic Susceptibility

1. Row	0,22
2. Row	0,20
3. Row	0,08
4. Row	0,18
5. Row	0,16
6. Row	0,14
7. Row	

Measurement at

1. Row	215,81 m
2. Row	216,63 m
3. Row	217,45 m
4. Row	218,27 m
5. Row	219,09 m
6. Row	219,91 m
7. Row	220,73 m

BOX 40			5,75 m	EXCELLENT	
Date: 13 okt 06			DIP ANGLE		
221,14 - to - 226,89			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC 99,0	99,0	RQD 99,0	Degrees from horizontal	
93,00		93,00	1. Row	51°
96,00		96,00	2. Row	
96,00		96,00	3. Row	70°
97,00		97,00	4. Row	
93,00		93,00	5. Row	
25,00		25,00	6. Row	
69,00		69,00	7. Row	

Magnetic Susceptibility	
1. Row	0,14
2. Row	0,12
3. Row	0,34
4. Row	0,08
5. Row	0,20
6. Row	0,51
7. Row	

Measurement at	
1. Row	221,55 m
2. Row	222,37 m
3. Row	223,19 m
4. Row	224,02 m
5. Row	224,84 m
6. Row	225,66 m
7. Row	226,48 m

BOX 41			6,05 m	EXCELLENT
Date: 14 okt 06			DIP ANGLE	
226,89 - to - 232,94			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 93,2	93,2	RQD 93,2	Degrees from horizontal	
97,00		97,00	1. Row	
96,00		96,00	2. Row	68°
96,00		96,00	3. Row	70°
97,00		97,00	4. Row	
92,00		92,00	5. Row	50°
12,00		12,00	6. Row	12°
74,00		74,00	7. Row	

Magnetic Susceptibility	
1. Row	0,19
2. Row	0,13
3. Row	0,18
4. Row	0,14
5. Row	0,16
6. Row	0,21
7. Row	

Measurement at	
1. Row	227,32 m
2. Row	228,19 m
3. Row	229,05 m
4. Row	229,92 m
5. Row	230,78 m
6. Row	231,64 m
7. Row	232,51 m

BOX 42	2,86 m	EXCELLENT
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Date: 14 okt 06			DIP ANGLE	
232,94 - to - 235,80			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	99,8	RQD 99,8	Degrees from horizontal	
93,00		93,00	1. Row	52°
93,50		93,50	2. Row	68°
90,00		90,00	3. Row	
9,00		9,00	4. Row	
			5. Row	
			6. Row	
			7. Row	

Magnetic Susceptibility

1. Row	0,18
2. Row	0,16
3. Row	0,10
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at

1. Row	233,14 m
2. Row	233,55 m
3. Row	233,96 m
4. Row	234,37 m
5. Row	234,78 m
6. Row	235,19 m
7. Row	235,60 m

BOX 43	#####
---------------	-------

Date: 235,80 - to -			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD	Degrees from horizontal	
		1. Row	
		2. Row	
		3. Row	
		4. Row	
		5. Row	
		6. Row	
		7. Row	

Magnetic Susceptibility

1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at

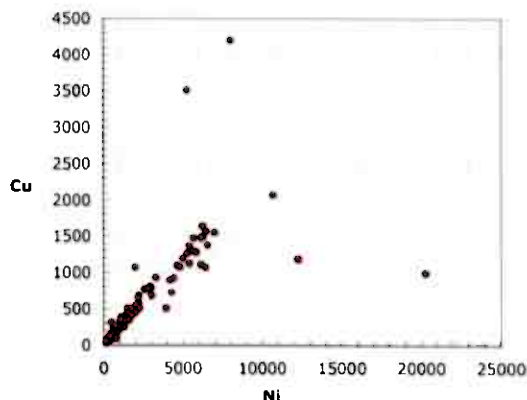
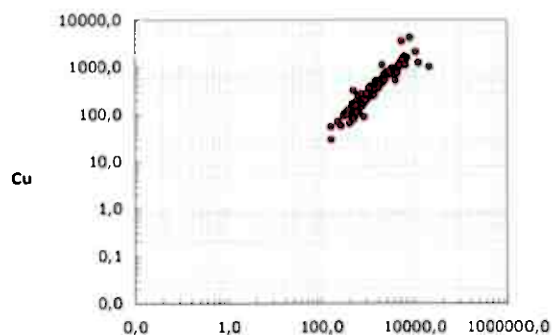
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

YEAR		2006		Info of Borehole		SH	
Drill Date:		07. Oct		Ballangen DDH-06 SH-004			
HOLE ID:		SH-004					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583310	Elevation:	502 meter [asl]	Drill method:	Core		
Easting:	581443	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter:	35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	184,90 meter		
Bearing:	300°	Logged date:	16 October 2006	Average REC/RQD:	98,1 pct. / 97,3 pct.		
Dip:	-65°	Survey date:	-	by:	Casing/overburden: 5,4 meter		
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006

SULPHIDES					Quartz	ALTERATION				Recovery pct.	Dip angle degree	GEOCHEMISTRY					Mag. Susc. 10 ⁻³ SI	
Po.	Pn.	Py.	Gph.	X.		Grt.	Bio.	Chl.	Tc.			Tre-Act	Ni	Cu	Fe	Au		Co
[ppm]	[ppm]	[ppm]	[ppm]	[ppm]			[ppm]	[ppm]	[ppm]			[ppm]	[ppm]	[ppm]	[ppm]	[pct]		[ppb]



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimute	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	-	AMPH	-	Amphibolite
B	-	GB	-	Gabbro
C	-	MGN	-	Gneiss
D	-	NO	-	Norite
E	-	ONO	-	Olivinenorite
F	-	OPX/CPX	-	Olivinepyroxenite (Ol-websterite)
G	-	PRD	-	Peridotite
H	-	PX	-	Pyroxenite (Websterite)
I	-	S	-	Schist
eah	-		-	End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	2008,15	472,05
- Median	993,50	252,00
- Minimum	165,00	29,10
- Maximum	20300,00	4200,00
- Standard Deviation	2605,32	576,98
- Numbers	150,00	150,00
- Kurtosis	17,41	15,71
- Skewness	3,45	3,33
- Variance	6787712	332905
- Detection Limit	165,00	29,10

SULPHIDES

1.	-	Pyrrhotite	Po.
2.	-	Pentlandite	Pn.
3.	-	Pyrite	Py.
4.	-	Graphite	Gph.
5.	-	X	X.

ALTERATION

6.	-	Garnet	Grt.
7.	-	Biotite	Bio.
8.	-	Chlorite	Chl.
9.	-	Talc	Tc.
10.	-	Tre-act	Tre-Act.

GEOCHEMISTRY

11.	-	Nickel	Ni	[ppm]
12.	-	Copper	Cu	[ppm]
13.	-	Iron	Fe	[pct]
14.	-	Gold	Au	[ppb]
15.	-	Cobalt	Co	[ppm]

MAGNETIC SUSCEPTIBILITY

16.	-	Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

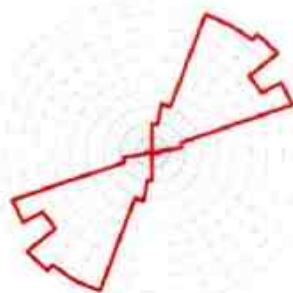
2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	117
- Mean	41,56°
- Standard Deviation	16,91°
- Maximum Petal	9,40 pct.
- Standard Deviation Petal	3,0 pct.

FOLIATION OR BEDDING

- Calculation Methode	
- Class Interval	
- Data Type	
- Population	
- Mean	
- Standard Deviation	
- Maximum Petal	
- Standard Deviation Petal	



FRACTURES



FOLIATION OR BEDDING

YEAR

2006

Drill Date:

07. Oct

HOLE ID:

SH-004

Project:

Ballangen

Northing:

7583310

Easting:

581443

Datum:

WGS84

Bearing:

300°

Dip:

-65°

Contractor:

Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-06 SH-004

Project manager:

Søren Lund Jensen

Drill method:

Core

Core:

TT46

Length:

184,90 meter

Average REC/RQD:

98,1 pct. / 97,3 pct.

Casing/overburden:

5,4 meter

by:

Scandinavian Highlands A/S

Hørsholm Kongevej 11

DK-2970 Hørsholm

Denmark

Tlf: +45 45 86 66 53

Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag	Susc 10 ⁻³ SI
		Description			Po	Pn	Py	Gph	Xc		Gr	Bi	Ch	Tc			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
0		0-5,4m: Soil Casing.																					
5		5,4-5,7m: ONOI Altered mafic norite. Bt-tre-bearing chloritised opx-rich norite.																					
5	E	5,7-5,95m: Gneiss! Assimilated grt-bearing gneiss/granite. The contact to the underlying mafic norite is characterised by a cm wide act-chl alteration zone.		149336							20	tr	5	50	10							BOX 1	
6	E	5,95-7,45m: ONOI Analogue to altered norite interval: 5,4-5,7m. Fractures Mn-oxide coated.		149337									5	50	5			872	199	10	124	0,43	
7				149338									5	50	5							0,98	
8	H	7,45-9,15m: PX! Pl-bearing pyroxenite (ol 25%, px 60%, pl 10%). Disseminated Sulphides lies between 4-8%. No compositional layering visible.		149339	7								5	50	5			671	133	10	119	1,15	
9				149340	7								5	50	5							0,89	
10	H	10,05-13,9m: PX! M-grd Pl-bearing pyroxenite with 5-15mm poikiloblastic opx (hypersthene). The pl-ol content is difficult to determine! (ol 15%, opx 60%, pl 5-10%). Ol<-Pl, varying 5-10%. Porphyric texture from 10,05-11,6! Minor tre-act alteration @ 12-12,8m		149341	2								5	50	5			475	83	10	106	0,48	
11				149342	2																	BOX 2	
12				149343	2																	0,71	
13				149344	2																	0,66	
14	D	13,9-14,0m: Pegmatoidal norite! No mineralisation.		149345	2																		
14	H	14,0-14,25m: PX! Pl-bearing opx-rich PX.																1840	454	12	188	0,53	
15	D	14,25-14,3m: Pegmatoidal norite! No mineralisation.																					
15	H	14,35-14,5m: PX! Pl-bearing opx-rich PX. 10-15% diss. S-mineralisation.			10	5																	
15	D	14,5-14,6m: Pegmatoidal norite! No mineralisation.																				0,43	
16	H	14,65-15,9m: PX! Pl-bearing PX. The 8-12% sulphides occur both as stringers and as disseminated sulphides. Conj. fracture systems with Mn-oxid coated fracture-plane. Smaller 3-6cm wide cgrd pegmatoidal norites with granular sulphides (po). Grt occur as larger 1-3cm grain		149346	12													2020	451	13	204	0,76	
17	H	15,9-22,8m: PX! Mdgrd dark mafic Pl-bearing PX with varying sulphids (ol 29%, px 50-60%, pl 10-20%) pl being intercumulus phase.		149347	2													1440	338	12	173		

SH

YEAR

2006

Drill Date:

07. Oct

HOLE ID:

SH-004

Project:

Ballangen

Northing:

7583310

Easting:

581443

Datum:

WGS84

Bearing:

300°

Dip:

-65°

Contractor:

Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

SH

Ballangen DDH-06 SH-004

Location:

Arnes

Elevation:

502 meter [asl]

Geologist:

Mikkel Vognsen

Logged by:

Mikkel Vognsen

Survey date:

16 October 2006

Project manager:

Soren Lund Jensen

Drill method:

Core

Core:

TT46

Diameter:

35,6 mm

Length:

184,90 meter

Average REC/RQD:

98,1 pct. / 97,3 pct.

Casing/overburden:

5,4 meter

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE Description	Sample no. 1/2	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI	
				Pb	Pn	Py	Gph	X		Grt	Bi	Chl	Tc			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
51		alt. Interval 44,5-50,8m). Highly chloritised sections @ 50,8-52m & 54,0-54,5m. Minor cm wide felsic veins are associated with the alteration. Towards the bottom from 54,5 the chloritisation increases gradually becoming a chl-bt rock, still preserving relict? compositional layering. Shearing may have played a role.	149381													408	63	7		76	0,24	
52																					0,34	
53			149382													839	200	7		84	0,31	
54		54,5-55,0m: Assimilated grt-bearing gneiss/granite - recrystallised, still preserving its original foliation. The relict compositional layering seen just above in the chl-bt rich rock may be a hybrid rock, and thus preserving the gneiss foliation in the more mafic rock part. Underlining the assimilation process.																			0,14	
55	C																				8,54	
	G	55,0-55,4m: Alteration! Completely chlorite altered rock interval.	149383													99						
	G	55,4-62,79m: PRD! Mg-dk dark greenish pl-bearing peridotite (ol 40-50%, px 40%, pl 0-10%) with minor chl alteration. Opx crystals occur sporadically as 4-6mm large poikiloblasts. Alteration zones occur throughout the whole PRD interval often associated with felsic pegmatites minor shear zones. Disseminated sulphides are not present in the completely altered parts but still present in usual contents in the less altered parts.														99						
56				1																	BOX 10	
				1																	1,74	
				1																		
				1																		
57			149384	1													638	110	10		119	1,03
				1																	1,12	
				1																		
				1																	1,12	
				1																		
				1																		
59			149385	1													829	170	11		131	0,92
				2																	0,95	
				2																		
				2																		
				2																		
				2																		
				2																		
61			149386	5													1260	313	11		151	0,96
				5																		
				5																		
				5																		
				5																		
				5																		
62		61,7-61,8m: Alteration! Minor tre-act alteration associated with 3-5cm wide felsic veining.		5																	BOX 11	
				2																		
				2																		
				2																		
63			149387	10													651	131	10		118	0,98
				2																		
				2																		
				2																		
				2																		
				2																		
64				2																	1,56	
		64,2-64,5m: Alteration! Assimilated grt-bearing gneiss. Chl and minor tc alteration.														5	10					
																5	10					
65			149388	1																	1,76	
				1																		
				1																		
		65,20-65,45m: Alteration! Act-rimmed fsp vein, chl impregnating the siderock.		1																		
																					1,23	
66																						
																					0,78	
				2																		
				2																		
				2																		
67		66,8-67,0m: Pegmatitoid norite associated with minor chloritisation of the prd siderock.	149389	2																		
				2																		
				2																		
				2																		
				2																	BOX 12	
				12																		
								</														

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description	V ₂		Po	Py	Gph.	x	Gr.		Bi.	Chl.	Tc	Ni (ppm)			Cu (ppm)	Fe (pct)	Au (ppb)	Co (ppm)		
68.27m		Alteration! Act-filled fracture. The siderock is impregnated with mdgrd tre and frd	149390	8									8			819	206	10		123	0.79	
69.24m		Alteration! 3cm wide Act-filled fracture. The siderock is impregnated with mdgrd tre and frd chl.	149391	8									10			588	108	10		105	0.45	
70.5-71.5m		Alteration! 1m interval with minor <1cm chl-act filled fractures and larger >10cm tre-anthophyllite? rich alteration zones.	149392	1												800	179	11		127	1.54	
			149393	1												2240	585	12		192	12.50	
			149394	10												2250	679	13		208	1.12	
			149395	10												1080	265	11		143	0.98	
			149396	3												1030	225	11		139	0.67	
			149397	3												733	141	10		123	0.77	
			149398	3												790	164	10		128	0.67	
			149399	3												923	195	11		142	0.94	
			149400	3												1300	326	11		163	0.73	
			149401	3												789	163	10		128	0.43	
79.8m		Alteration! Possible tourmaline filled vein, 2cm (schari or dravite type?) surrounded by act-tre ant-bt alteration zone, reaching 20cm into siderock.	149402	1									50	99		963	219	11		136	0.53	
			149403	3												504	79	10		126	0.65	
			149404	3												865	189	10		138	0.58	
			149405	3												895	196	10		142	0.63	
			149406	3												1130	293	9		142	0.48	

SH

2006

Log of Borehole

Ballangen DDH-06 SH-004

Drill Date: 07. Oct
HOLE ID: SH-004
Project: Ballangen
Northing: 7583310
Easting: 581443
Datum: WGS84
Bearing: 300°
Dip: -65°
Contractor:

Location: Arnes
Elevation: 502 meter [asl]
Geologist: Mikkel Vognsen
Logged by: Mikkel Vognsen
Logged date: 16 October 2006
Survey date:

Project manager: Søren Lund Jensen
Drill method: Core
Core: TT46
Diameter: 35,6 mm
Length: 184,90 meter
Average REC/RQD: 98,1 pct. / 97,3 pct.
Casing/overburden: 5,4 meter

Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE Description	Sample no. ½	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁵ SI	
				Po	Pn	Py	Gph	X		Grt	Bio	Chl	Tc			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
85		85,5-85,7m: Pegmatoidal norite.	149407	3																	BOX 15	
				4																	0,53	
86		85,9-87,5m: Compositional change! Intercumulus pl increase.		4																		
				4																		
				4																	0,36	
				4																		
87			149408	4													1580	435	8		124	0,24
	D	87,5-88,9m: NO! The upper 50cm of the felsic noritic-troctolitic rock (ol 25%, px 15%, pl 60%) is characterised by interbedding of 10-15cm long PRD NO bands. Minor serp. Alteration veining.		1																		
				1																		
88				1																	0,22	
				1																		
				1																		
89	G	88,9-102,52m: Hybrid rock - PRD! Peridotite with incorporation of felsic norite. This interval is best characterised as a mixed interval of both felsic norite and pl-bearing peridotite (ol 45%, px 40%, pl 2-8%). Disseminated sulphides range between 2-5% in a irregular style, patchy in places. Garnet @ 89,95 < 1,5cm with felsic reaction rim. Minor (ol-pl material - norite) @ 89,6-89,8m.	149409	5						tr							1410	335	10		137	0,45
				5																		
				5																	0,42	
				5																		
90				5																		
				5																		
				5																		
91			149410	5																	BOX 16	
				2													567	149	7		77	0,32
				2																		
				2																		
				2																	0,43	
				2																		
				2																		
93			149411	2													268	56	6		53	0,20
				2																		
				2																		
				2																		
94	C	94,1-94,3m: Assimilated msc-gneiss. Bt-impregnating the prd-siderock.		2						40												0,18
	G			2						40												
				2																		
95			149412	2													1120	373	8		108	
				2																		
				2																	0,26	
				2																		
96	G	95,85-96,9m: PRD! Altered PRD sequence. Felsic vein @ 95,9-96,0m with pale pink grt-bt rimming. The alteration reaches 1m into siderock. Hydration of the Px producing small euhedral dark hornblende crystals is common in this type of alt. Rock. Note: Pyrite may have entered the system via emplacements of felsic xenoliths - pyrite is usually present as coating on fracture planes or mineral surfaces, rarely observed as granular or as ore-bearing mineralisation. 96,72-102,52m: Hybrid rock! PRD in varying degrees of alteration mixed with more or less assimilated xenolithic material. The PRD is pl- 97,72-98,30m: Alteration! Minor alt. Zone. Chloritized PRD.		2						5												
				2																		
				2																		
				2																		
97			149413	4																	BOX 17	
				4													2250	669	10		184	0,38
				4																		
				4						5												
98				4						15												
				4						50											0,30	
				4						10												
				4						10												
				4						10												
				4						10												
99			149414	4						10							1770	510	10		162	
				4						10												
				4						10												
				4						10											0,43	
				4						10												
				4						10												
				4						10											0,42	
				4						10												
101		101,05-101,55m: Completely assimilated countryrock? with relict foliation texture. Now holds a peridotitic composition! S-dissemination aligned with foliation. Analogue intervals: 101,8-101,9 &	149415	4						10							2190	650	10		193	0,38
				4						10												
				4						10												
				4						10												
				4						10												
				4						10												
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				4						10		</										

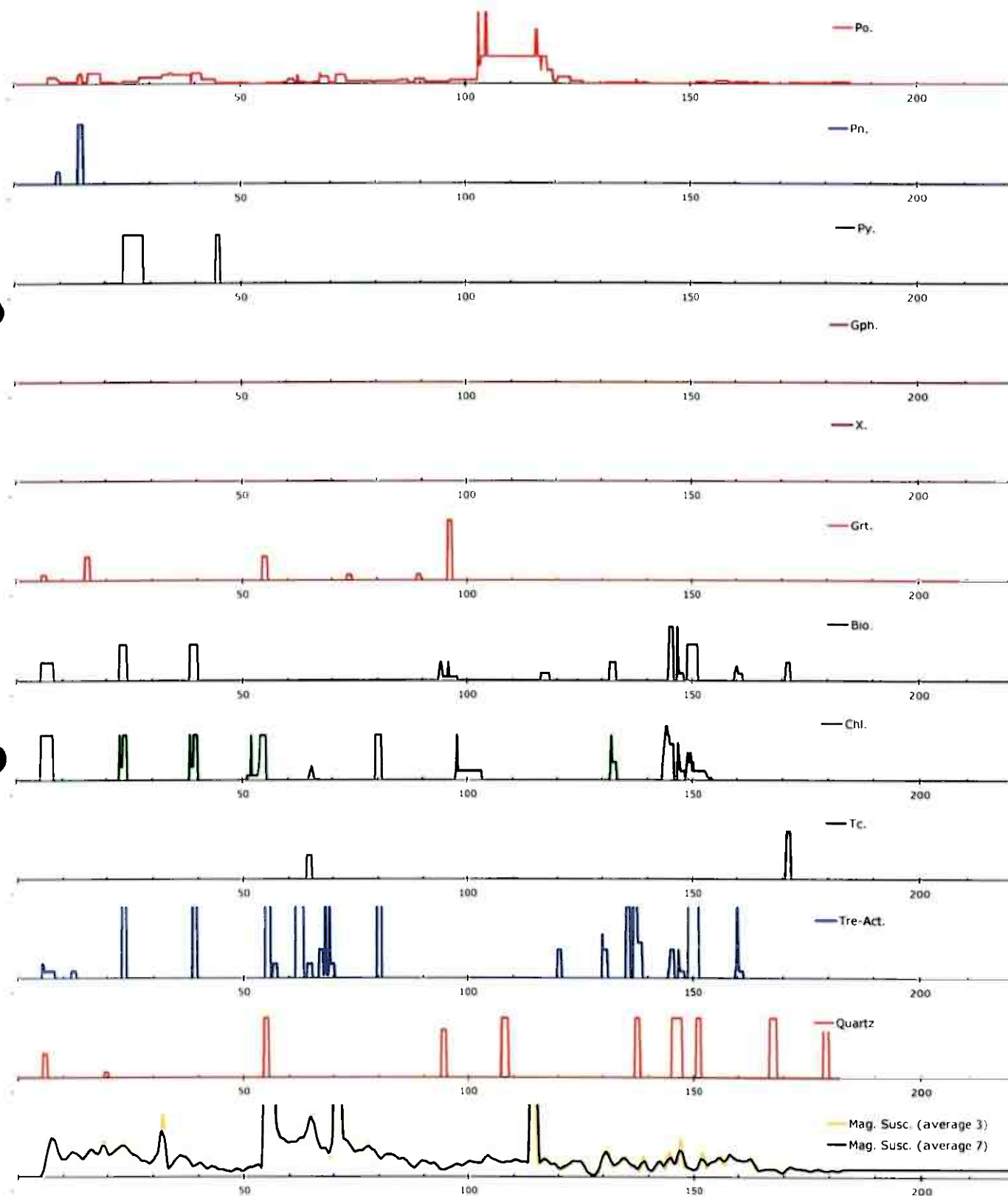
YEAR		2006		Log of Borehole		SH	
Drill Date:		07. Oct		Ballangen DDH-06 SH-004			
HOLE ID:		SH-004					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583310	Elevation:	502 meter [asl]	Drill method:	Core		
Easting:	581443	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter:	35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	184,90 meter		
Bearing:	300°	Logged date:	16 October 2006	Average REC/RQD:	98,1 pct. / 97,3 pct.		
Dip:	-65°	Survey date:	-	by:	Casing/overburden:	5,4 meter	☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁵ SI	
		Description			Po	Py	Chl	X	Grt		Bi	Chl	Tc	Ni [ppm]			Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]			
102.5-107.48m		Mineralisation!	PRD!	No intercumulus pl. Semimassive to massive sulphide mineralisation. The upper contact is characterised by 1-2cm wide q-fsp zone between the assimilated countryrock - gneiss? Mineralisation intervals: 102.7-102.95m: semimassive (SM) 15-20% in felsic nortite. 102.95-103.02m: massive sulphides (MS) 75-80%. 103.02-103.4m: SM 15-20% in felsic nortite. 103.4-104.4m: SM 20-30% in PRD. 104.4-104.85m: MS 75-85% in PRD. 104.85-107.48m: SM 20-30% in PRD.	149416	4											1690	380	11		168		
					149417	4																BOX 18	
					149418	20												5280	3510	16		508	0.36
					149419	30												8020	4200	22		741	0.65
					149420	30												10700	2070	26		926	
					149421	85												20300	987	42		1730	0.51
					149422	30												6260	1635	20		581	
					149423	30												5650	1295	19		541	0.47
					149424	30												5880	1275	19		555	0.43
					149425	30												6250	1490	19		571	
					149426	30												4650	1095	17		448	0.38
		C 107.48-108.25m: Assimilated gneiss.			149427	50												168	29	8		52	
					149428	50												4190	891	16		409	
		G 108.25-110.7m: Mineralisation! PRD! Sm 20-30% with enriched domains.			149429	30												6410	1070	21		596	BOX 19
					149430	30												4450	921	17		433	0.45
					149431	30												5420	1120	18		578	0.36
					149432	30												4290	723	16		401	0.55
		110.0m: hbl present as secondary hydration mineral. Occur as small 1-1mm black dots in all semialtered and less common in fresh PRD parts, often in small intervals of c. 20cm. Present from			149433	30												823	86	8		213	
		A 110.7-111.15m: Diabase? Dark very fnd material with mm thin S-mineralised veinlets. Sharp			149434	30												5290	1260	17		501	0.36
		G 111.15-117.25m: PRD! Peridotite with 20-30% disseminated sulphides.			149435	30												6560	1375	20		603	
		Note: Due to problems with determination of wooden meter-makers placed by Drill crew, the 111.5-117.2m interval has 13cm RDC to much. This RDC is sampled alone as sample 149438.			149436	30												6980	1550	21		648	0.45
					149437	30												6480	1565	19		638	0.38
					149439	30												6170	1480	19		567	
					149440	30												5010	1190	17		486	
					149441	30												4820	1075	17		461	BOX 20
					149442	30												3940	509	15		394	9.32
					149443	30												5430	1360	18		516	0.34
					149444	30												6160	1110	19		588	
					149445	30												2600	766	13		279	0.43
		116.4m: Garnet! Grt-crystals 3-6mm.			149446	30												2080	554	13		240	
		116.95-117.05m: Garnet-pl-cpx-phl filled vein. Mineralised. Chl-act alteration zone around the vein. Secondary hbl.			149447	30												3020	685	15		337	0.55
		117.45m: Garnet! Grt-crystals 3-6mm.			149448	30												2300	509	12		246	0.32
					149449	30												2800	777	13		293	
					149450	15												1310	248	9		148	0.36

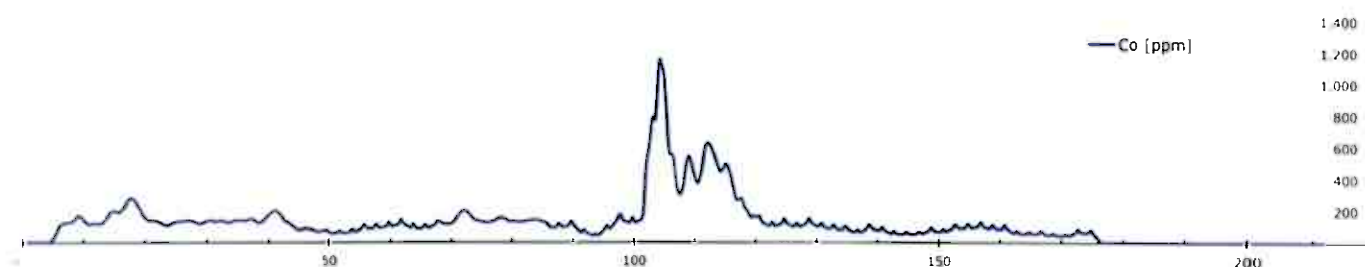
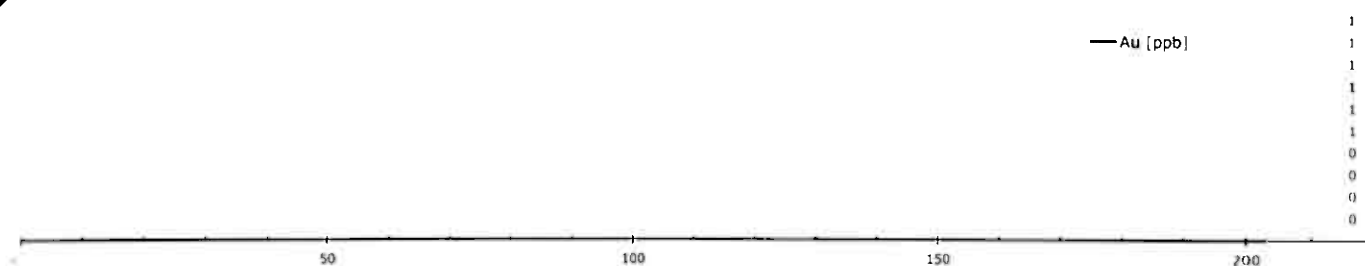
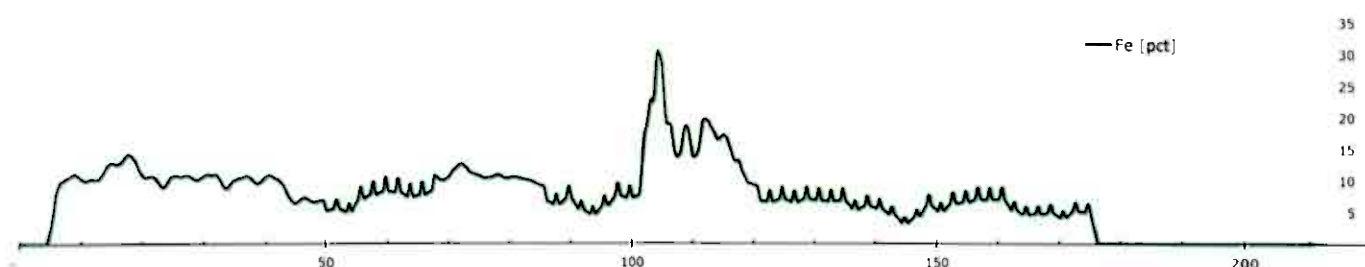
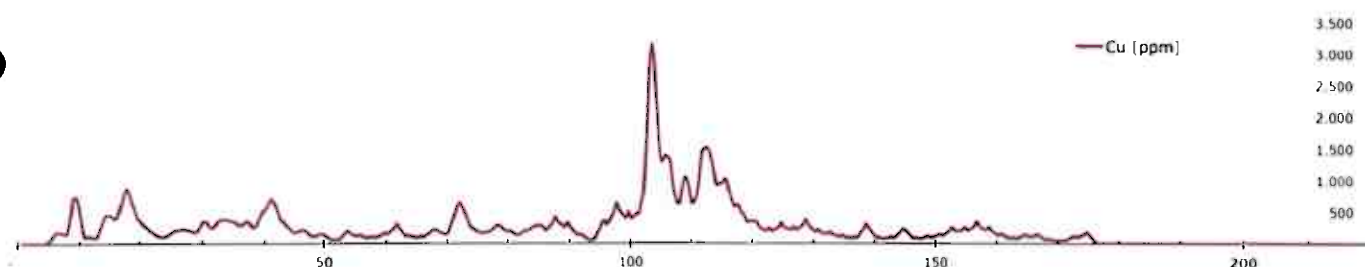
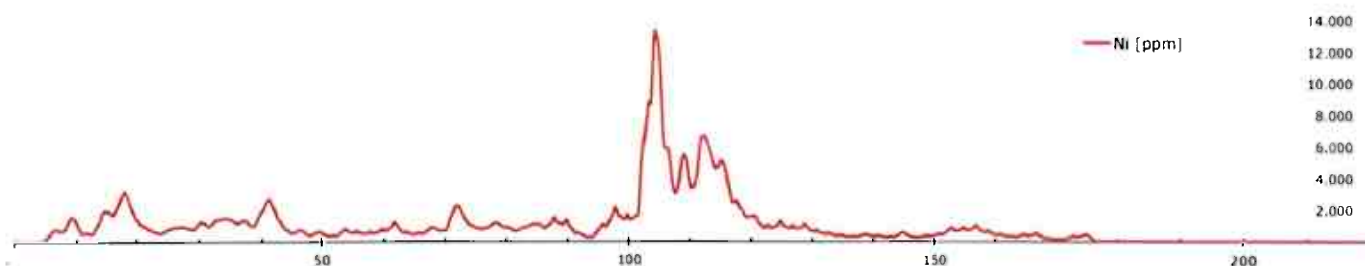
YEAR	2006		Log of Borehole Ballangen DDH-06 SH-004			
Drill Date:	07. Oct					
HOLE ID:	SH-004					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen	
Northing:	7583310	Elevation:	502 meter [asl]	Drill method:	Core	
Easting:	581443	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	184,90 meter	
Bearing:	300°	Logged date:	16 October 2006	Average REC/RQD:	98,1 pct. / 97,3 pct.	
Dip:	-65°	Survey date:	-	Casing/overburden:	5,4 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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Depth	Lithology	SUBSURFACE Description	Sample no. 1/2	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 % SI
				Po	Pn	Pv	Gph	X		Grt	Bio	Chl	Tc			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
119,0m		Compositional change! Intercumulus Pl increases.	149451	15												1780	411	10		184	
			149452	15												1380	322	9		156	
120	G	119,72-125,51m: PRD! Pl-bearing (intercumulus) peridotite. F-mgnd dark mafic rock (ol 40%, px 40%, pl 10%, + sulphides). Cpx may be present as porphyric phase 3-6mm. Hbl crystals is observed from 113,9-119,72m. No compositional layering detectable in the mafic parts, but in slightly more felsic parts the weak foliation or compositional layering is measured to 40 degrees. Magmatic cumulate texture. Minor alteration zone @ 120,02-120,04 & 130,3-130,35m. Hbl occur in the vicinity of the alteration zones. Indicative of hydration!	149453	3										20		1610	340	9		164	0,14
121				3																	0,32
122			149454	7																	0,28
				7												1080	249	9		134	
123	A	122,8-122,9m: Dyke! Fgrd mafic dyke. Cutting relationship to the weak foliation in the peridotite.		7																	0,45
	G			7																	0,43
124			149455	3												1330	334	9		157	
125				3																	
126			149456													1050	271	9		129	0,16
127																					0,08
128			149457													1160	388	9		159	0,08
129																					0,38
130			149458										30 20			749	225	9		127	0,71
131				1																	
132		132,05m: Alteration! 2cm wide chloritised PRD. The chl-impregnation reaches at least 20cm into siderock.	149459	1								5 5 5	20 50 20			568	183	9		116	0,28
133				1																	0,34
134			149460	1												434	127	9		108	0,57
135				1																	0,43
136		135,2m Felsic vein rimmed by act-chl. Hbl appear 10cm away from zone!		1									50								0,30

YEAR	2006	Log of Borehole				SH
Drill Date:	07 October	Ballangen DDH-06 SH-004				
HOLE ID:	SH-004					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen	
Northing:	7583310	Elevation:	502 meter [asl]	Drill method:	Core	
Easting:	581443	Geologist:	Mikkel Vognsen	Core:	TT46 Diameter: 35,6 mm	
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	184,90 meter	
Bearing:	300°	Logged date:	16 October 2006	Average REC/RQD:	98,1 pct. / 97,3 pct.	
Dip:	-65°	Survey date:	-	by:	Casing/overburden: 5,4 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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YEAR		2006		Log of Borehole		SH									
Drill Date:		07 October		Ballangen DDH-06 SH-004											
HOLE ID:		SH-004													
Project:		Ballangen		Location:		Arnes		Project manager:		Soren Lund Jensen					
Northing:		7583310		Elevation:		502 meter [asl]		Drill method:		Core					
Easting:		581443		Geologist:		Mikkel Vognsen		Core:		TT46		Diameter:		35,6 mm	
Datum:		WGS84		Logged by:		Mikkel Vognsen		Length:		184,90 meter					
Bearing:		300°		Logged date:		16 October 2006		Average REC/RQD:		98,1 pct. / 97,3 pct.					
Dip:		-65°		Survey date:		-		by:		-		Casing/overburden:		5,4 meter	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokelno, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338													
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Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	185 meter
Casing/Overburden	5,4 meter

BOX 1		5,76 m	EXCELLENT		
Date:		17 okt 06		DIP ANGLE	
5,40 - to - 11,16					
RECOVERY				Fractures	Foliation or bedding
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC	RQD	Degrees from horizontal	
97,6	97,6	97,6	
96,00	96,00	1. Row	55°
97,00	97,00	2. Row	
48,00	48,00	3. Row	
46,00	46,00	4. Row	18°
19,00	19,00	5. Row	42°
75,00	75,00	6. Row	32°
93,00	93,00	7. Row	
62,00	62,00		
26,00	26,00		

Magnetic Susceptibility

1. Row	0,43
2. Row	0,98
3. Row	1,15
4. Row	0,89
5. Row	0,48
6. Row	0,48
7. Row	

Measurement at

1. Row	5,81 m
2. Row	6,63 m
3. Row	7,46 m
4. Row	8,28 m
5. Row	9,10 m
6. Row	9,93 m
7. Row	10,75 m

BOX 2	5,69 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
11,16 - to - 16,85			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
98,2	98,2	98,2	
94,00		94,00	1. Row
92,00		92,00	2. Row 20°
11,00		11,00	3. Row
73,00		73,00	4. Row
17,00		17,00	5. Row 42°
93,00		93,00	6. Row
54,00		54,00	7. Row
31,00		31,00	
94,00		94,00	

Magnetic Susceptibility	
1. Row	0,71
2. Row	0,66
3. Row	0,64
4. Row	0,53
5. Row	0,43
6. Row	0,76
7. Row	

Measurement at	
1. Row	11,57 m
2. Row	12,38 m
3. Row	13,19 m
4. Row	14,01 m
5. Row	14,82 m
6. Row	15,63 m
7. Row	16,44 m

BOX 3	5,82 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
16,85 - to - 22,67			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
98,5	98,5	98,5	
98,00		98,00	1. Row
65,00		65,00	2. Row
26,00		26,00	3. Row
95,00		95,00	4. Row 42°
99,00		99,00	5. Row
94,00		94,00	6. Row
96,00		96,00	7. Row

Magnetic Susceptibility	
1. Row	0,57
2. Row	0,69
3. Row	1,02
4. Row	0,65
5. Row	0,58
6. Row	0,77
7. Row	

Measurement at	
1. Row	17,27 m
2. Row	18,10 m
3. Row	18,93 m
4. Row	19,76 m
5. Row	20,59 m
6. Row	21,42 m
7. Row	22,25 m

BOX 4	5,33 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
22,67 - to - 28,00				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
78,00		78,00	1. Row	22°
10,00		10,00	2. Row	30°
35,00		35,00	3. Row	
60,00		60,00	4. Row	56°
94,00		94,00	5. Row	
91,00		91,00	6. Row	66°
96,00		96,00	7. Row	
69,00		69,00		

Magnetic Susceptibility

1. Row	0,95
2. Row	0,75
3. Row	0,78
4. Row	0,54
5. Row	0,65
6. Row	0,44
7. Row	

Measurement at

1. Row	23,05 m
2. Row	23,81 m
3. Row	24,57 m
4. Row	25,34 m
5. Row	26,10 m
6. Row	26,86 m
7. Row	27,62 m

BOX 5	6,00 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
28,00 - to - 34,00				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC 91,8	91,8	RQD 91,8	Degrees from horizontal	
78,00		78,00	1. Row	31°
12,00		12,00	2. Row	66°
44,00		44,00	3. Row	32°
46,00		46,00	4. Row	70°
96,00		96,00	5. Row	24°
78,00		78,00	6. Row	28°
11,00		11,00	7. Row	
93,00		93,00		
93,00		93,00		

Magnetic Susceptibility

1. Row	0,42
2. Row	0,31
3. Row	0,56
4. Row	0,69
5. Row	1,86
6. Row	0,21
7. Row	

Measurement at

1. Row	28,43 m
2. Row	29,29 m
3. Row	30,14 m
4. Row	31,00 m
5. Row	31,86 m
6. Row	32,71 m
7. Row	33,57 m

BOX 6	5,34 m	EXCELLENT
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Date: 17 okt 06	DIP ANGLE
34,00 - to - 39,34	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
100,0	96,3	96,3	
58,00		58,00	1. Row
20,00	NI		2. Row 26°
93,00		93,00	3. Row 15°
94,00		94,00	4. Row 32°
85,00		85,00	5. Row 28°
89,00		89,00	6. Row 35°
95,00		95,00	7. Row

Magnetic Susceptibility

1. Row	0,44
2. Row	0,51
3. Row	0,65
4. Row	0,47
5. Row	0,63
6. Row	0,28
7. Row	

Measurement at

1. Row	34,38 m
2. Row	35,14 m
3. Row	35,91 m
4. Row	36,67 m
5. Row	37,43 m
6. Row	38,20 m
7. Row	38,96 m

BOX 7	5,45 m	EXCELLENT
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Date: 17 okt 06	DIP ANGLE
39,34 - to - 44,79	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
99,8	99,8	99,8	
95,00		95,00	1. Row 45°
21,00		21,00	2. Row 28°
65,00		65,00	3. Row 28°
90,00		90,00	4. Row 50°
91,00		91,00	5. Row 60°
89,00		89,00	6. Row 60°
93,00		93,00	7. Row

Magnetic Susceptibility

1. Row	0,36
2. Row	0,41
3. Row	0,20
4. Row	0,22
5. Row	0,33
6. Row	0,20
7. Row	

Measurement at

1. Row	39,73 m
2. Row	40,51 m
3. Row	41,29 m
4. Row	42,07 m
5. Row	42,84 m
6. Row	43,62 m
7. Row	44,40 m

BOX 8	5,51 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
44,79 - to - 50,30				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,6	99,6	99,6	
94,00		94,00	1. Row
45,00		45,00	2. Row
44,00		44,00	3. Row 42°
95,00		95,00	4. Row 34°
94,00		94,00	5. Row 32°
67,00		67,00	6. Row
19,00		19,00	7. Row
91,00		91,00	

Magnetic Susceptibility

1. Row	0,20
2. Row	0,15
3. Row	0,14
4. Row	0,14
5. Row	0,26
6. Row	0,14
7. Row	

Measurement at

1. Row	45,18 m
2. Row	45,97 m
3. Row	46,76 m
4. Row	47,55 m
5. Row	48,33 m
6. Row	49,12 m
7. Row	49,91 m

BOX 9	5,90 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
50,30 - to - 56,20				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
94,9	93,9	92,7	
92,00		92,00	1. Row
93,00		93,00	2. Row
9,00		9,00	3. Row 37°
78,00		78,00	4. Row
98,00		98,00	5. Row
42,00		42,00	6. Row
6,00	NI		7. Row
50,00		50,00	
13,00		13,00	
7,00			
72,00		72,00	

Magnetic Susceptibility

1. Row	0,28
2. Row	0,24
3. Row	0,34
4. Row	0,31
5. Row	0,14
6. Row	8,54
7. Row	

Measurement at

1. Row	50,72 m
2. Row	51,56 m
3. Row	52,41 m
4. Row	53,25 m
5. Row	54,09 m
6. Row	54,94 m
7. Row	55,78 m

BOX 10			5,80 m	EXCELLENT
Date:			17 okt 06	
56,20			- to - 62,00	
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	99,3		
97,00		97,00	1. Row	
99,00		99,00	2. Row	60°
4,00			3. Row	
92,00		92,00	4. Row	
98,00		98,00	5. Row	
95,00		95,00	6. Row	29°
95,00		95,00	7. Row	

Magnetic Susceptibility

1. Row	1,74
2. Row	1,03
3. Row	1,12
4. Row	0,92
5. Row	0,95
6. Row	0,96
7. Row	

Measurement at

1. Row	56,61 m
2. Row	57,44 m
3. Row	58,27 m
4. Row	59,10 m
5. Row	59,93 m
6. Row	60,76 m
7. Row	61,59 m

BOX 11			5,79 m	GOOD		
Date:			17 okt 06		DIP ANGLE	
62,00 - to - 67,79						
RECOVERY					Fractures	Foliation or bedding
Total	Solid	Modified				
[cm]	[cm]	[cm]				

REC	RQD		Degrees from horizontal	
82,4	82,4	82,4		
98,00		98,00	1. Row	
99,00		99,00	2. Row	
23,00		23,00	3. Row	
72,00		72,00	4. Row	
91,00		91,00	5. Row	
94,00		94,00	6. Row	
			7. Row	

Magnetic Susceptibility

1. Row	1,16
2. Row	0,98
3. Row	1,56
4. Row	1,76
5. Row	1,23
6. Row	0,78
7. Row	

Measurement at

1. Row	62,41 m
2. Row	63,24 m
3. Row	64,07 m
4. Row	64,90 m
5. Row	65,72 m
6. Row	66,55 m
7. Row	67,38 m

BOX 12	5,87 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
67,79 - to - 73,66			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,1	94,9	94,9		
67,00		67,00	1. Row	
29,00		29,00	2. Row	37°
99,00		99,00	3. Row	41°
96,00		96,00	4. Row	68°
27,00		27,00	5. Row	
25,00	NI		6. Row	
52,00		52,00	7. Row	
96,00		96,00		
91,00		91,00		

Magnetic Susceptibility

1. Row	0,79
2. Row	0,45
3. Row	1,54
4. Row	12,50
5. Row	1,12
6. Row	0,98
7. Row	

Measurement at

1. Row	68,21 m
2. Row	69,05 m
3. Row	69,89 m
4. Row	70,73 m
5. Row	71,56 m
6. Row	72,40 m
7. Row	73,24 m

BOX 13	5,76 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
73,66 - to - 79,42			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
84,00		84,00	1. Row	5°
10,00		10,00	2. Row	5°
95,00		95,00	3. Row	
99,00		99,00	4. Row	
97,00		97,00	5. Row	
94,00		94,00	6. Row	
97,00		97,00	7. Row	

Magnetic Susceptibility

1. Row	0,68
2. Row	0,67
3. Row	0,77
4. Row	0,67
5. Row	0,94
6. Row	0,73
7. Row	

Measurement at

1. Row	74,07 m
2. Row	74,89 m
3. Row	75,72 m
4. Row	76,54 m
5. Row	77,36 m
6. Row	78,19 m
7. Row	79,01 m

BOX 14	5,72 m	EXCELLENT
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Date: 17 okt 06			DIP ANGLE	
79,42 - to - 85,14			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,8	98,8	97,6		
97,00		97,00	1. Row	4°
10,00		10,00	2. Row	
82,00		82,00	3. Row	
95,00		95,00	4. Row	27°
19,00		19,00	5. Row	10°
75,00		75,00	6. Row	
96,00		96,00	7. Row	
7,00				
84,00		84,00		

Magnetic Susceptibility

1. Row	0,43
2. Row	0,53
3. Row	0,65
4. Row	0,58
5. Row	0,63
6. Row	0,48
7. Row	

Measurement at

1. Row	79,83 m
2. Row	80,65 m
3. Row	81,46 m
4. Row	82,28 m
5. Row	83,10 m
6. Row	83,91 m
7. Row	84,73 m

BOX 15	5,84 m	EXCELLENT
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Date: 18 okt 06			DIP ANGLE	
85,14 - to - 90,98			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,5	98,5	98,5		
93,00		93,00	1. Row	25°
94,00		94,00	2. Row	16°
98,00		98,00	3. Row	27°
96,00		96,00	4. Row	
58,00		58,00	5. Row	
39,00		39,00	6. Row	
97,00		97,00	7. Row	

Magnetic Susceptibility

1. Row	0,53
2. Row	0,36
3. Row	0,24
4. Row	0,22
5. Row	0,45
6. Row	0,42
7. Row	

Measurement at

1. Row	85,56 m
2. Row	86,39 m
3. Row	87,23 m
4. Row	88,06 m
5. Row	88,89 m
6. Row	89,73 m
7. Row	90,56 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	185 meter
Casing/Overburden	5,4 meter

BOX 16	5,74 m	EXCELLENT
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Date: 18 okt 06
90,98 - to - 96,72

DIP ANGLE

RECOVERY

Total	Solid	Modified
[cm]	[cm]	[cm]

Fractures	Foliation or bedding
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REC		RQD	Degrees from horizontal
99,8	99,8	99,8	
99,00		99,00	1. Row 46°
95,00		95,00	2. Row
96,00		96,00	3. Row
97,00		97,00	4. Row
77,00		77,00	5. Row 31°
14,00		14,00	6. Row 28°
95,00		95,00	7. Row

Magnetic Susceptibility

1. Row	0,32
2. Row	0,43
3. Row	0,20
4. Row	0,18
5. Row	0,18
6. Row	0,26
7. Row	

Measurement at

1. Row	91,39 m
2. Row	92,21 m
3. Row	93,03 m
4. Row	93,85 m
5. Row	94,67 m
6. Row	95,49 m
7. Row	96,31 m

BOX 17	5,80 m	EXCELLENT
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Date: 19 okt 06			DIP ANGLE	
96,72 - to - 102,52				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
100,0	100,0	100,0	
95,00	95,00	1. Row	54°
90,00	90,00	2. Row	26°
90,00	90,00	3. Row	30°
95,00	95,00	4. Row	52°
24,00	24,00	5. Row	
95,00	95,00	6. Row	45°
91,00	91,00	7. Row	

Magnetic Susceptibility

1. Row	0,38
2. Row	0,30
3. Row	0,30
4. Row	0,43
5. Row	0,42
6. Row	0,38
7. Row	

Measurement at

1. Row	97,13 m
2. Row	97,96 m
3. Row	98,79 m
4. Row	99,62 m
5. Row	100,45 m
6. Row	101,28 m
7. Row	102,11 m

BOX 18	5,78 m	EXCELLENT
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Date: 19 okt 06			DIP ANGLE	
102,52 - to - 108,30				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
99,7	99,7	98,4	
93,00	93,00	1. Row	58°
7,00		2. Row	64°
93,00	93,00	3. Row	38°
39,00	39,00	4. Row	62°
53,00	53,00	5. Row	66°
96,00	96,00	6. Row	42°
98,00	98,00	7. Row	
97,00	97,00		

Magnetic Susceptibility

1. Row	0,36
2. Row	0,65
3. Row	0,51
4. Row	0,47
5. Row	0,43
6. Row	0,38
7. Row	

Measurement at

1. Row	102,93 m
2. Row	103,76 m
3. Row	104,58 m
4. Row	105,41 m
5. Row	106,24 m
6. Row	107,06 m
7. Row	107,89 m

BOX 19	5,60 m	EXCELLENT
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Date: 19 okt 06	DIP ANGLE
108,30 - to - 113,90	
RECOVERY	
Total	Fractures
Solid	Foliation
Modified	or bedding
[cm]	

REC		RQD	Degrees from
100,0	94,3	94,3	horizontal
17,00	NI		1. Row 65°
15,00	NI		2. Row 44°
28,00		28,00	3. Row
19,00		19,00	4. Row 56°
93,00		93,00	5. Row 42°
93,00		93,00	6. Row
25,00		25,00	7. Row
65,00		65,00	
95,00		95,00	
15,00		15,00	
95,00		95,00	

Magnetic Susceptibility

1. Row	0,45
2. Row	0,36
3. Row	0,55
4. Row	0,36
5. Row	0,45
6. Row	0,38
7. Row	

Measurement at

1. Row	108,70 m
2. Row	109,50 m
3. Row	110,30 m
4. Row	111,10 m
5. Row	111,90 m
6. Row	112,70 m
7. Row	113,50 m

BOX 20	5,82 m	EXCELLENT
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Date: 19 okt 06	DIP ANGLE
113,90 - to - 119,72	
RECOVERY	
Total	Fractures
Solid	Foliation
Modified	or bedding
[cm]	

REC		RQD	Degrees from
98,8	98,8	98,8	horizontal
94,00		94,00	1. Row 65°
95,00		95,00	2. Row 44°
96,00		96,00	3. Row
40,00		40,00	4. Row 56°
60,00		60,00	5. Row 42°
100,00		100,00	6. Row
90,00		90,00	7. Row

Magnetic Susceptibility

1. Row	9,32
2. Row	0,34
3. Row	0,43
4. Row	0,55
5. Row	0,32
6. Row	0,36
7. Row	

Measurement at

1. Row	114,32 m
2. Row	115,15 m
3. Row	115,98 m
4. Row	116,81 m
5. Row	117,64 m
6. Row	118,47 m
7. Row	119,30 m

BOX 21			5,79 m	EXCELLENT	
Date: 19 okt 06			DIP ANGLE		
119,72 - to - 125,51			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC 99,8	99,8	RQD 99,8	Degrees from horizontal	
97,00		97,00	1. Row	42°
96,00		96,00	2. Row	
96,00		96,00	3. Row	28°
45,00		45,00	4. Row	50°
48,00		48,00	5. Row	39°
99,00		99,00	6. Row	40°
97,00		97,00	7. Row	

Magnetic Susceptibility

1. Row	0,14
2. Row	0,32
3. Row	0,28
4. Row	0,45
5. Row	0,43
6. Row	
7. Row	

Measurement at

1. Row	120,13 m
2. Row	120,96 m
3. Row	121,79 m
4. Row	122,62 m
5. Row	123,44 m
6. Row	124,27 m
7. Row	125,10 m

BOX 22			5,83 m	EXCELLENT
Date: 16 okt 06			DIP ANGLE	
125,51 - to - 131,34			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 98,6	98,6	RQD 98,6	Degrees from horizontal	
96,00		96,00	1. Row	60°
94,00		94,00	2. Row	
95,00		95,00	3. Row	35°
18,00		18,00	4. Row	25°
78,00		78,00	5. Row	38°
98,00		98,00	6. Row	
96,00		96,00	7. Row	

Magnetic Susceptibility

1. Row	0,16
2. Row	0,08
3. Row	0,02
4. Row	0,08
5. Row	0,38
6. Row	0,71
7. Row	

Measurement at

1. Row	125,93 m
2. Row	126,76 m
3. Row	127,59 m
4. Row	128,43 m
5. Row	129,26 m
6. Row	130,09 m
7. Row	130,92 m

BOX 23	5,86 m	EXCELLENT
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Date: 20 okt 06
131,34 - to - 137,20

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 98,8	98,8	RQD 98,8	Degrees from horizontal	
58,00		58,00	1. Row	54°
35,00		35,00	2. Row	
95,00		95,00	3. Row	
97,00		97,00	4. Row	
98,00		98,00	5. Row	
98,00		98,00	6. Row	26°
98,00		98,00	7. Row	

**Magnetic
Susceptibility**

1. Row	0,28
2. Row	0,34
3. Row	0,43
4. Row	0,57
5. Row	0,43
6. Row	0,30
7. Row	

Measurement at

1. Row	131,76 m
2. Row	132,60 m
3. Row	133,43 m
4. Row	134,27 m
5. Row	135,11 m
6. Row	135,94 m
7. Row	136,78 m

BOX 24	5,80 m	EXCELLENT
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Date: 20 okt 06
137,20 - to - 143,00

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 98,1	98,1	RQD 98,1	Degrees from horizontal	
80,00		80,00	1. Row	28°
12,00		12,00	2. Row	34°
97,00		97,00	3. Row	51°
96,00		96,00	4. Row	38°
96,00		96,00	5. Row	45°
97,00		97,00	6. Row	53°
69,00		69,00	7. Row	
22,00		22,00		

**Magnetic
Susceptibility**

1. Row	0,12
2. Row	0,61
3. Row	0,28
4. Row	0,14
5. Row	0,18
6. Row	0,43
7. Row	

Measurement at

1. Row	137,61 m
2. Row	138,44 m
3. Row	139,27 m
4. Row	140,10 m
5. Row	140,93 m
6. Row	141,76 m
7. Row	142,59 m

BOX 25	5,93 m	EXCELLENT
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Date: 20 okt 06	DIP ANGLE
143,00 - to - 148,93	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
97,3	97,3	97,3
93,00	93,00	1. Row 41°
59,00	59,00	2. Row 9°
38,00	38,00	3. Row 60°
98,00	98,00	4. Row 51°
94,00	94,00	5. Row 62°
96,00	96,00	6. Row 70°
99,00	99,00	7. Row

Magnetic Susceptibility

1. Row	0,16
2. Row	0,73
3. Row	0,36
4. Row	0,00
5. Row	1,10
6. Row	0,28
7. Row	

Measurement at

1. Row	143,42 m
2. Row	144,27 m
3. Row	145,12 m
4. Row	145,97 m
5. Row	146,81 m
6. Row	147,66 m
7. Row	148,51 m

BOX 26	5,64 m	EXCELLENT
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Date: 20 okt 06	DIP ANGLE
148,93 - to - 154,57	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
99,8	99,8	99,8
20,00	20,00	1. Row 32°
72,00	72,00	2. Row 14°
97,00	97,00	3. Row 80°
94,00	94,00	4. Row 10°
99,00	99,00	5. Row
95,00	95,00	6. Row
68,00	68,00	7. Row
18,00	18,00	

Magnetic Susceptibility

1. Row	0,20
2. Row	0,18
3. Row	0,28
4. Row	0,71
5. Row	0,22
6. Row	0,41
7. Row	

Measurement at

1. Row	149,33 m
2. Row	150,14 m
3. Row	150,94 m
4. Row	151,75 m
5. Row	152,56 m
6. Row	153,36 m
7. Row	154,17 m

BOX 27	5,80 m	EXCELLENT
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Date: 20 okt 06			DIP ANGLE	
154,57 - to - 160,37				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
91,00	91,00	1. Row 42°
95,00	95,00	2. Row 45°
95,00	95,00	3. Row 30°
96,00	96,00	4. Row 41°
92,00	92,00	5. Row 38°
60,00	60,00	6. Row
23,00	23,00	7. Row
28,00	28,00	

Magnetic Susceptibility

1. Row	0,47
2. Row	0,61
3. Row	0,28
4. Row	0,65
5. Row	0,61
6. Row	0,47
7. Row	

Measurement at

1. Row	154,98 m
2. Row	155,81 m
3. Row	156,64 m
4. Row	157,47 m
5. Row	158,30 m
6. Row	159,13 m
7. Row	159,96 m

BOX 28	6,78 m	EXCELLENT
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Date: 20 okt 06			DIP ANGLE	
160,37 - to - 167,15				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
99,7	99,7	99,0
99,00	99,00	1. Row 72°
98,00	98,00	2. Row 70°
92,00	92,00	3. Row 61°
95,00	95,00	4. Row 26°
98,00	98,00	5. Row 60°
89,00	89,00	6. Row 52°
5,00		7. Row
90,00	90,00	
10,00	10,00	

Magnetic Susceptibility

1. Row	0,43
2. Row	0,47
3. Row	0,53
4. Row	0,18
5. Row	0,18
6. Row	0,22
7. Row	

Measurement at

1. Row	160,85 m
2. Row	161,82 m
3. Row	162,79 m
4. Row	163,76 m
5. Row	164,73 m
6. Row	165,70 m
7. Row	166,67 m

BOX 29	5,68 m	EXCELLENT
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Date: 20 okt 06	DIP ANGLE
167,15 - to - 172,83	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	

REC	Solid	Modified	Degrees from horizontal
98,4	98,4	98,4	
92,00		92,00	1. Row 51°
94,00		94,00	2. Row 60°
94,00		94,00	3. Row 44°
92,00		92,00	4. Row 68°
96,00		96,00	5. Row 28°
58,00		58,00	6. Row 28°
33,00		33,00	7. Row

Magnetic Susceptibility

1. Row	0,20
2. Row	0,22
3. Row	0,08
4. Row	0,14
5. Row	0,32
6. Row	0,24
7. Row	

Measurement at

1. Row	167,56 m
2. Row	168,37 m
3. Row	169,18 m
4. Row	169,99 m
5. Row	170,80 m
6. Row	171,61 m
7. Row	172,42 m

BOX 30	5,27 m	EXCELLENT
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Date: 20 okt 06	DIP ANGLE
172,83 - to - 178,10	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	

REC	Solid	Modified	Degrees from horizontal
99,6	99,6	99,6	
98,00		98,00	1. Row
96,00		96,00	2. Row
98,00		98,00	3. Row
98,00		98,00	4. Row
97,00		97,00	5. Row
38,00		38,00	6. Row
			7. Row

Magnetic Susceptibility

1. Row	0,20
2. Row	0,22
3. Row	0,20
4. Row	0,14
5. Row	0,18
6. Row	0,22
7. Row	

Measurement at

1. Row	173,21 m
2. Row	173,96 m
3. Row	174,71 m
4. Row	175,47 m
5. Row	176,22 m
6. Row	176,97 m
7. Row	177,72 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	185 meter
Casing/Overburden	5,4 meter

BOX 31		6,80 m	EXCELLENT
Date:		20-10-069	
178,10 - to -		184,90	
RECOVERY		DIP ANGLE	
Total	Solid	Modified	Fractures
[cm]	[cm]	[cm]	Foliation or bedding

REC		RQD	Degrees from horizontal	
95,0	92,1	92,1		
95,00		95,00	1. Row	19°
94,00		94,00	2. Row	45°
20,00	NI		3. Row	58°
65,00		65,00	4. Row	50°
70,00		70,00	5. Row	60°
21,00		21,00	6. Row	62°
98,00		98,00	7. Row	
98,00		98,00		
85,00		85,00		

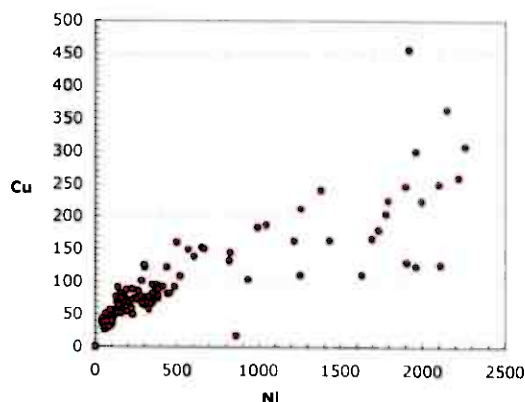
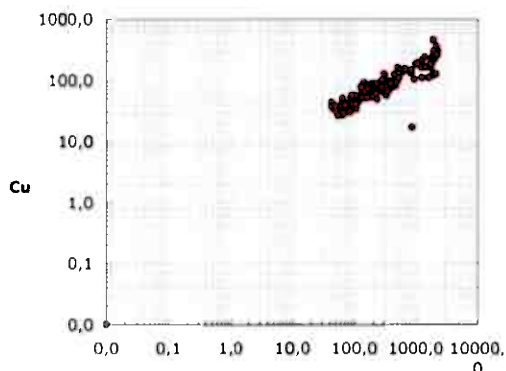
Magnetic Susceptibility	
1. Row	0,16
2. Row	0,16
3. Row	0,20
4. Row	0,14
5. Row	0,20
6. Row	0,22
7. Row	

Measurement at	
1. Row	178,59 m
2. Row	179,56 m
3. Row	180,53 m
4. Row	181,50 m
5. Row	182,47 m
6. Row	183,44 m
7. Row	184,41 m

YEAR		2006		Info of Borehole		SH					
Drill Date:		21. Oct		Ballangen DDH-06 SH-005							
HOLE ID:		SH-005									
Project:		Ballangen		Location:		Arnes		Project manager:		Søren Lund Jensen	
Northing:		7583275		Elevation:		249 meter [asl]		Drill method:		Core	
Easting:		581234		Geologist:		Mikkel Vognsen		Core:		BQ TK60/40.7 WL Diameter: 40,7 mm	
Datum:		WGS84		Logged by:		Mikkel Vognsen		Length:		241,20 meter	
Bearing:		157°		Logged date:		22. oktober 2006		Average REC/RQD:		96,2 pct. / 95,2 pct.	
Dip:		-75°		Survey date:				by:		-	
Contractor:								Casing/overburden:		3,7 meter	
Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokelino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338											
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54											

COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006



DDH ORIENTATION / DIP-TEST

Tool Measurements		No measurements	
- Azimute	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	- AMPH - Amphibolite
B	- GB - Gabbro
C	- MGN - Gneiss
D	- NO - Norite
E	- ONO - Olivinenorite
F	- OPX/CPX - Olivinepyroxenite (Ol-websterite)
G	- PRD - Peridotite
H	- PX - Pyroxenite (Websterite)
I	- S - Schist
eah	- End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	532,43	97,06
- Median	252,00	74,00
- Minimum	43,00	17,00
- Maximum	2260,00	456,00
- Standard Deviation	634,78	74,09
- Numbers	119,00	119,00
- Kurtosis	0,99	5,55
- Skewness	1,54	2,11
- Variance	402949	5489
- Detection Limit	1,00	1,00

SULPHIDES

1	- Pyrrhotite	Po.
2	- Pentlandite	Pn.
3	- Chalcopyrite	Cp.
4	- Graphite	Gph.
5	- X	X.

ALTERATION

6	- Garnet	Grt.
7	- Biotite	Bio.
8	- Chlorite	Chl.
9	- Talc	Tc.
10	- Serpentine	Serp.

GEOCHEMISTRY

11	- Nickel	Ni	[ppm]
12	- Copper	Cu	[ppm]
13	- Iron	Fe	[pct]
14	- Gold	Au	[ppb]
15	- Cobalt	Co	[ppm]

MAGNETIC SUSCEPTIBILITY

16	- Magnetic Susceptibility	Mag. Susc. 10 ⁻³ S!	MS
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ROSE DIAGRAM

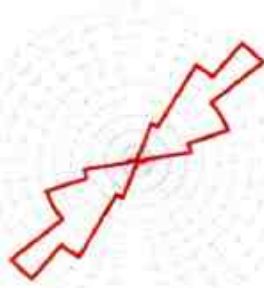
2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	140
- Mean	48,11°
- Standard Deviation	14,99°
- Maximum Petal	13,93 pct.
- Standard Deviation Petal	3,3 pct.

FOLIATION OR BEDDING

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	140
- Mean	48,11°
- Standard Deviation	14,99°
- Maximum Petal	13,93 pct.
- Standard Deviation Petal	3,3 pct.



FRACTURES



FOLIATION OR BEDDING

YEAR		2006		Log of Borehole																		SH			
Drill Date:				21. Oct		Ballangen DDH-06 SH-005																			
HOLE ID:				SH-005																					
Project:				Ballangen		Location:				Arnes		Project manager:				Søren Lund Jensen									
Northing:				7583275		Elevation:				249 meter (asl)		Drill method:				Core									
Easting:				581234		Geologist:				Mikkel Vognsen		Core:				BQ TK60/40.7 WL Diameter: 40,7 mm									
Datum:				WGS84		Logged by:				Mikkel Vognsen		Length:				241,20 meter									
Bearing:				157°		Logged date:				22. oktober 2006		Average REC/RQD:				96,2 pct. / 95,2 pct.									
Dip:				-75°		Survey date:						Casing/overburden:				3,7 meter									
Contractor:				Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																									
Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration			Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI				
		Description			Fe	Pn	Cp	Gph	X		Grt	Bi	Chl			Tc	Serp	Ni [ppm]	Cu [ppm]	Fe [pct]		Au [ppb]	Ce [ppm]		
0		0-3.7m: Soil Casing.																							
1																									
2																									
3																									
4		H 3.7-11.6m: PX! F-mgdrd dark-green cpx-dominated pyroxenite (augite?) (ol 25%, cpx 75%). 1-10cm elongate crystals - no apparent mineral orientation. Magmatic texture. Minor alteration: pale violet irregular vein system (1-3 pr m). Fracture planes with tc. Poikiloblastic opx crystals (5-10mm) wide occur sporadically. Indication of recrystallisation? 0-2% fgrd disseminated sulphides.		149486	2																BOX 1				
5				149487	2												118	52	8		97	0,24			
6					2																0,36				
7					2																0,22				
8					2																0,24				
9					2																0,24				
10		H 7.4-7.6m: Intermixed cpx-opx dominated PX with swirling boundaries. The contact is characterised by a 3-6mm thick secondary bt rim. The opx (?) dominated domains is dark violet fgrd with minor 1-2% disseminated sulphides. No apparent alt. of opx, whereas the cpx dominated domains has been altered to a tremolite rich rock - grading back into cpx dominated rock. the alteration reaches 30-40cm into siderock.		149488	2												135	68	8		95	0,16			
11					2																0,22				
12					2																0,22				
13					2																0,22				
14					2																0,22				
15					2																0,22				
16					2																0,22				
17					2																0,22				
18					2																0,22				
19					2																0,22				
20					2																0,22				
21					2																0,22				
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102					2																0,22				
103					2																0,22				
104					2		</																		

YEAR		2006		Log of Borehole		SH	
Drill Date:		21. Oct		Ballangen DDH-06 SH-005			
HOLE ID:		SH-005					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core		
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 WL	Diameter:	40.7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	241,20 meter		
Bearing:	157°	Logged date:	22. oktober 2006	Average REC/RQD:	96,2 pct. / 95,2 pct.		
Dip:	-75°	Survey date:	-	by:	Casing/overburden:	3,7 meter	
Contractor:	DiamantBoring Nord AS, P.O.Box 186, N-9521 Kautøkeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

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YEAR

2006

Drill Date:

21. Oct

HOLE ID:

SH-005

Project:

Ballangen

Northing:

7583275

Easting:

581234

Datum:

WGS84

Bearing:

157°

Dip:

-75°

Contractor:

Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

SH

Ballangen DDH-06 SH-005

Location:

Arnes

Project manager:

Søren Lund Jensen

Elevation:

249 meter [asl]

Drill method:

Core

Geologist:

Mikkel Vognsen

Core:

BQ TK60/40.7 WL

Diameter:

40,7 mm

Logged by:

Mikkel Vognsen

Length:

241,20 meter

Survey date:

22. oktober 2006

Average REC/RQD:

96,2 pct. / 95,2 pct.

Casing/overburden:

3,7 meter

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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ S
		Description			Po.	Py.	Cp.	Gph.	X		Gr.	Bl.	Ch.	Tc.			Serp.	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
34		and bi comprise upto 50% of the rock. Minor intercumulus bi and pl occur rarely. The alteration reaches 5-10 cm into siderock.			1						4	50										0,88
					1						2	10										
					1																	
					1																	
35				149502	1												298	125	11		171	0,90
					1																	
					1																	
					1																	
					1																	
36					1																	0,67
					1																	
					1																	
					1																	
		36.35-36.5m: Very cgrd cumulus interval. Cpx-dominated rock. Associated with granular sulphide mineralisation.			4																	
					1																	
					1																	
37				149503	1												263	85	11		180	0,94
					1																	
					1																	
					1																	
					1																	
38					1																	
					tr																	BOX 7
					tr																	1,66
					tr																	
					tr																	
39				149504	tr												252	73	12		185	1,59
					tr																	
					tr																	
					tr																	
					tr																	
					tr																	
					tr																	
					tr																	
40					tr																	1,08
					tr																	
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					tr																	
					tr																	
					tr																	
					tr																	
41				149505	tr												293	64	12		185	0,75
					tr																	
					tr																	
					tr																	
					tr																	
					tr																	
					tr																	
					tr																	
42					tr																	1,43
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YEAR	2006		Log of Borehole		SH	
Drill Date:	21. Oct		Ballangen DDH-06 SH-005			
HOLE ID:	SH-005					
Project:	Ballangen	Location:	Arnes		Project manager:	Soren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]		Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen		Core:	BQ TK60/40.7 WL Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen		Length:	241,20 meter
Bearing:	157°	Logged date:	22. oktober 2006		Average REC/RQD:	96,2 pct. / 95,2 pct.
Dip:	-75°	Survey date:			Casing/overburden:	3,7 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Bl	Chl	Tc			Serp	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
69				149519													382	74	12		192	0,75
70																						0,47
71				149520													378	79	12		189	0,71
72																						0,86
73				149521													386	78	12		189	BOX 13 0,61
74																						0,51
75				149522													415	92	11		183	0,59
76																						0,41
77				149523													444	81	12		188	0,61
78																						0,47
79				149524													458	82	12		185	BOX 14 0,71
80																						0,67
81				149525													486	92	12		185	0,55
82																						0,61
83				149526													438	122	10		162	0,57
84																						0,79
84.35-85.5m: Hybrid rock! The upper contact to unaltered PX is sharp. The rock interval is best characterised as mix of completely altered PX and semi-altered PX (hybrid rock). Both rock types are																						
																	4					BOX 15 1,08
																	8					
																	12					
																	16					

YEAR		2006		Log of Borehole																			
Drill Date:		21. Oct		Ballangen DDH-06 SH-005																			
HOLE ID:		SH-005																					
Project:		Ballangen		Location: Arnes									Project manager: Søren Lund Jensen										
Northing:		7583275		Elevation: 249 meter [asl]									Drill method: Core										
Eastings:		581234		Geologist: Mikkel Vognsen									Core: BQ TK60/40.7 WL Diameter: 40,7 mm										
Datum:		WGS84		Logged by: Mikkel Vognsen									Length: 241,20 meter										
Bearing:		157°		Survey date: 22. oktober 2006									Average REC/RQD: 96,2 pct. / 95,2 pct.										
Dip:		-75°		by: -									Casing/overburden: 3,7 meter										
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																							
Depth	Lithology	SUBSURFACE		Sample no. ½	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susct. 10 ⁻³ SI
		Description	Po		Pn	Cp	Gph	Xi	Grt		Bio	Chl	Tc	Serp	Ni [ppm]			Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
153				149561	1			1									51	31	4		42	0,20	
					1			1														0,06	
154					1			1														0,02	
					1			1														0,26	
155				149562	1			1									49	38	3		36		
					1			1														0,12	
156					1			1															
					1			1															
157				149563	1			1									71	39	4		45		
					1			1															
158					1			1															
					1			1															
159				149564													71	39	4		50	0,14	
																						0,10	
160																						0,12	
																						0,10	
161				149565													85	30	4		55		
																						0,08	
162																							
163				149566													1260	212	10		154	2,17	
164	H				2																		
					2																		
165				149567													1220	162	11		161	1,57	
																						0,96	
166																						0,56	
167				149568	2												1900	247	12		181	1,33	
168	H																					0,98	
169				149569	2												1795	225	12		196	1,25	
					2																		
					2																		
					2																		
					2																		

YEAR		2006		Log of Borehole		SH	
Drill Date:				21. Oct			
HOLE ID:				SH-005			
Project:		Ballangen		Location:		Arnes	
Northing:		7583275		Elevation:		249 meter [asl]	
Easting:		581234		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen	
Bearing:		157°		Logged date:		22. oktober 2006	
Dip:		-75°		Survey date:		-	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokleino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		by:		-	
				Project manager:		Søren Lund Jensen	
				Drill method:		Core	
				Core:		BQ TK60/40.7 WL Diameter: 40,7 mm	
				Length:		241,20 meter	
				Average REC/RQD:		96,2 pct. / 95,2 pct.	
				Casing/overburden:		3,7 meter	
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[illegible]

YEAR		2006		Log of Borehole		SH	
Drill Date:		21. Oct		Ballangen DDH-06 SH-005			
HOLE ID:		SH-005					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core		
Eastng:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 WL	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	241,20 meter		
Bearing:	157°	Logged date:	22. oktober 2006	Average REC/RQD:	96,2 pct. / 95,2 pct.		
Dip:	-75°	Survey date:	-	by:	Casing/overburden:	3,7 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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[illegible]

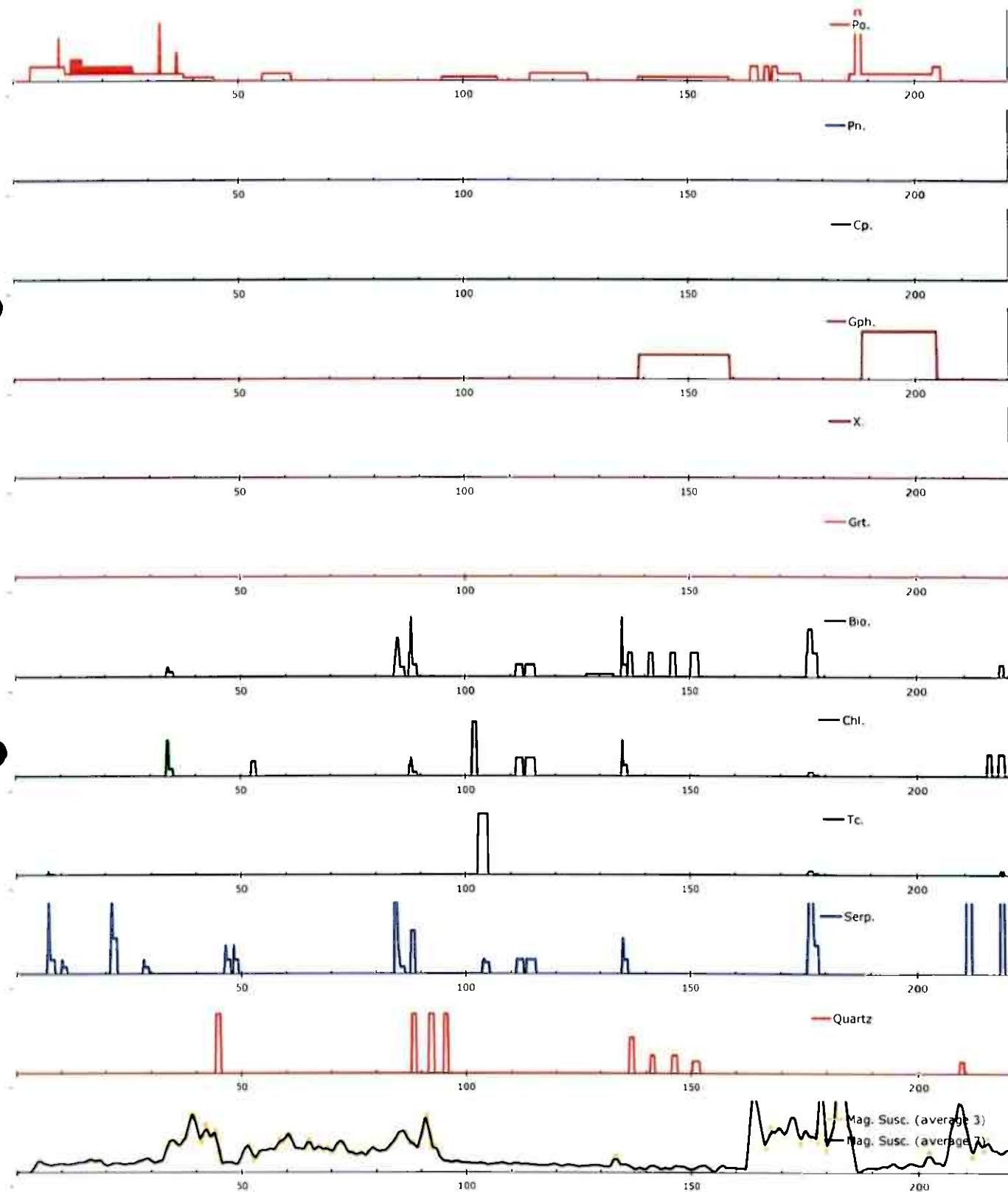
Box 7

0,59

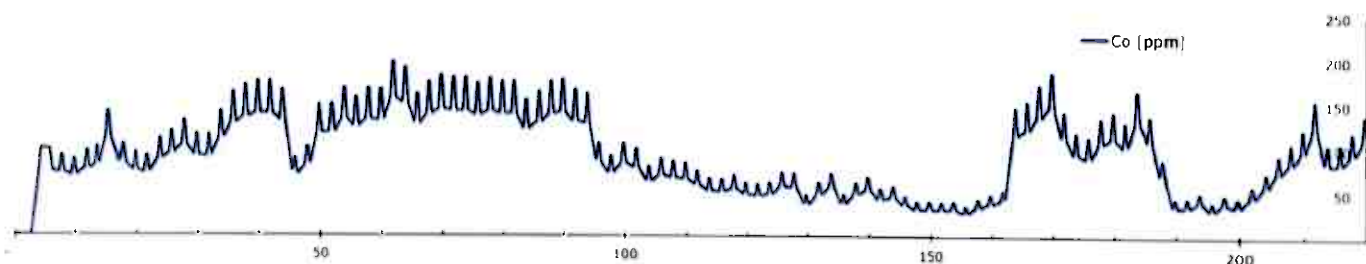
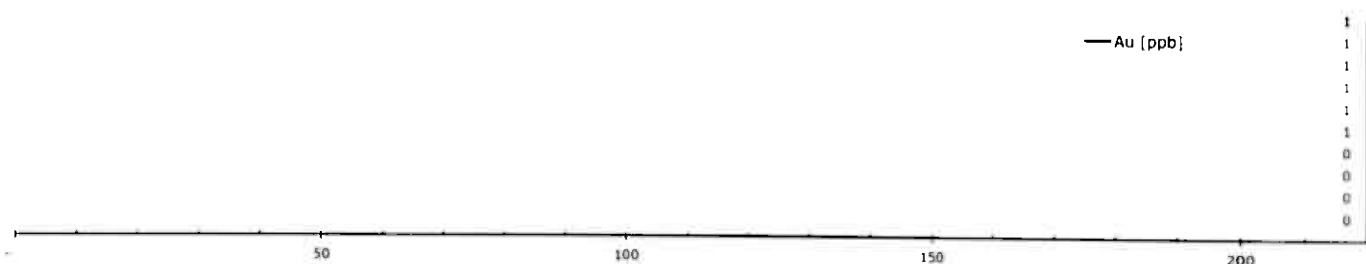
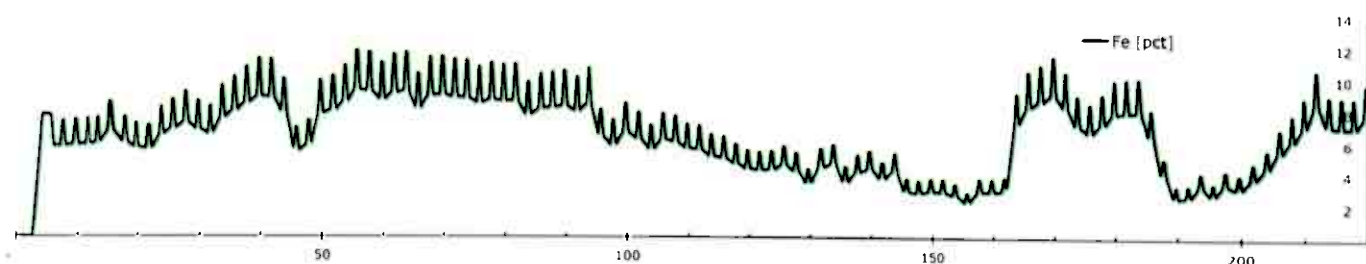
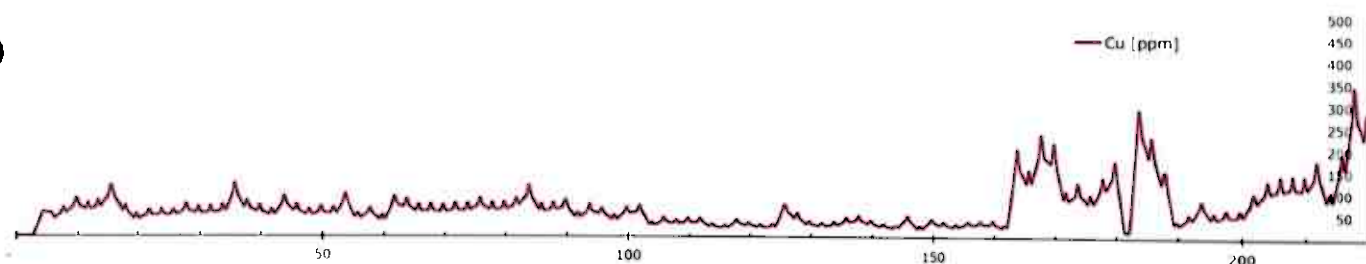
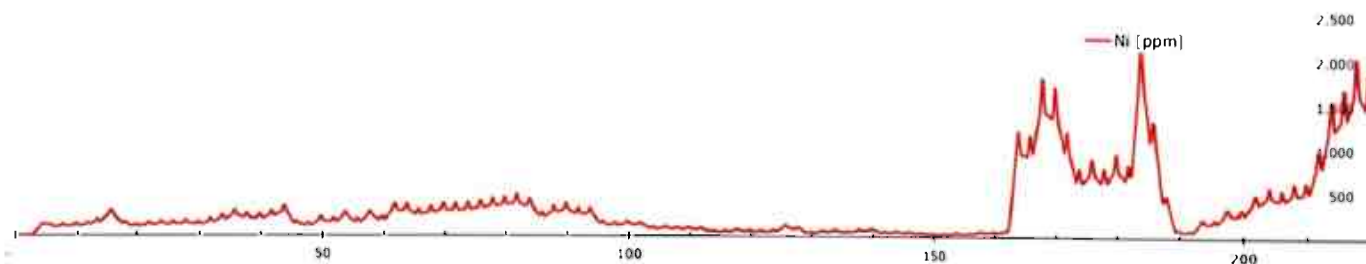
0,61

0.45

YEAR		2006		Log of Borehole		SH
Drill Date:		21 October		Ballangen DDH-06 SH-005		
HOLE ID:		SH-005				
Project:		Ballangen		Location: Arnes		Project manager: Søren Lund Jensen
Northing:		7583275		Elevation: 249 meter [asl]		Drill method: Core
Easting:		581234		Geologist: Mikkel Vognsen		Core: BQ TK60/40.7 WL Diameter: 40,7 mm
Datum:		WGS84		Logged by: Mikkel Vognsen		Length: 241,20 meter
Bearing:		157°		Logged date: 22. oktober 2006		Average REC/RQD: 96,2 pct. / 95,2 pct.
Dip:		-75°		Survey date: -		by: - Casing/overburden: 3,7 meter
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						



YEAR	2006	Log of Borehole				SH
Drill Date: 21 October		Ballangen DDH-06 SH-005				
HOLE ID:	SH-005					
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen	
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core	
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 WL Diameter: 40,7 mm	
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	241,20 meter	
Bearing:	157°	Logged date:	22. oktober 2006	Average REC/RQD:	96,2 pct. / 95,2 pct.	
Dip:	-75°	Survey date:	-	by:	-	
Contractor:	Diamantboring Nord AS, P.O. Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					Casing/overburden: 3,7 meter
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						



Drill methode: Core
Core: 3Q TK60/40.7 W
Diameter: 40,7 mm
Length: 241 meter
Casing/Overburden 3,7 meter

BOX 1			5,70 m	GOOD
Date: 23 okt 06			DIP ANGLE	
3,70 - to - 9,40				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
77,4	77,4	77,4
92,00	92,00	1. Row
96,00	96,00	2. Row 60°
42,00	42,00	3. Row 60°
49,00	49,00	4. Row 40°
91,00	91,00	5. Row 45°
71,00	71,00	6. Row
		7. Row

Magnetic Susceptibility	
1. Row	0,24
2. Row	0,36
3. Row	0,22
4. Row	0,24
5. Row	0,16
6. Row	0,22
7. Row	

Measurement at	
1. Row	4,11 m
2. Row	4,92 m
3. Row	5,74 m
4. Row	6,55 m
5. Row	7,36 m
6. Row	8,18 m
7. Row	8,99 m

BOX 2	5,86 m	GOOD
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Date: 23 okt 06			DIP ANGLE	
9,40 - to - 15,26			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
77,1	77,1	77,1		
98,00		98,00	1. Row	55°
53,00		53,00	2. Row	52°
22,00		22,00	3. Row	34°
97,00		97,00	4. Row	63°
90,00		90,00	5. Row	78°
82,00		82,00	6. Row	56°
10,00		10,00	7. Row	

Magnetic Susceptibility	
1. Row	0,24
2. Row	0,22
3. Row	0,20
4. Row	0,24
5. Row	0,24
6. Row	0,28
7. Row	

Measurement at	
1. Row	9,82 m
2. Row	10,66 m
3. Row	11,49 m
4. Row	12,33 m
5. Row	13,17 m
6. Row	14,00 m
7. Row	14,84 m

BOX 3	5,67 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
15,26 - to - 20,93			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,5	99,5	98,8		
98,00		98,00	1. Row	20°
96,00		96,00	2. Row	
86,00		86,00	3. Row	23°
4,00			4. Row	40°
90,00		90,00	5. Row	38°
94,00		94,00	6. Row	65°
96,00		96,00	7. Row	

Magnetic Susceptibility	
1. Row	0,28
2. Row	0,41
3. Row	0,24
4. Row	0,38
5. Row	0,28
6. Row	0,18
7. Row	

Measurement at	
1. Row	15,67 m
2. Row	16,48 m
3. Row	17,29 m
4. Row	####
5. Row	18,91 m
6. Row	19,72 m
7. Row	20,53 m

BOX 4	5,75 m	EXCELLENT
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Date: 23 okt 06	DIP ANGLE
20,93 - to - 26,68	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	Fractures
[cm]	Foliation or bedding

REC	RQD	Degrees from horizontal
99,1	99,1	99,1
27,00	27,00	1. Row 80°
68,00	68,00	2. Row 36°
78,00	78,00	3. Row 64°
16,00	16,00	4. Row 48°
92,00	92,00	5. Row
42,00	42,00	6. Row 26°
54,00	54,00	7. Row
97,00	97,00	
96,00	96,00	

Magnetic Susceptibility

1. Row	0,24
2. Row	0,26
3. Row	0,24
4. Row	0,20
5. Row	0,24
6. Row	0,24
7. Row	

Measurement at

1. Row	21,34 m
2. Row	22,16 m
3. Row	22,98 m
4. Row	####
5. Row	####
6. Row	####
7. Row	26,27 m

BOX 5	5,62 m	GOOD
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Date: 23 okt 06	DIP ANGLE
26,68 - to - 32,30	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	Fractures
[cm]	Foliation or bedding

REC	RQD	Degrees from horizontal
83,5	83,5	83,5
52,00	52,00	1. Row 66°
36,00	36,00	2. Row 35°
97,00	97,00	3. Row 68°
96,00	96,00	4. Row 16°
72,00	72,00	5. Row 31°
23,00	23,00	6. Row 38°
93,00	93,00	7. Row

Magnetic Susceptibility

1. Row	0,32
2. Row	0,32
3. Row	0,38
4. Row	0,38
5. Row	0,22
6. Row	0,30
7. Row	

Measurement at

1. Row	27,08 m
2. Row	27,88 m
3. Row	28,69 m
4. Row	29,49 m
5. Row	30,29 m
6. Row	31,10 m
7. Row	31,90 m

BOX 6			5,75 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
32,30 - to - 38,05				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD	Degrees from horizontal		
99,7	99,7	99,0		
89,00	89,00		1. Row	
97,00	97,00		2. Row	41°
98,00	98,00		3. Row	56°
97,00	97,00		4. Row	22°
4,00			5. Row	45°
90,00	90,00		6. Row	
98,00	98,00		7. Row	

Magnetic Susceptibility	
1. Row	0,36
2. Row	0,84
3. Row	0,88
4. Row	0,90
5. Row	0,67
6. Row	0,94
7. Row	

Measurement at	
1. Row	32,71 m
2. Row	33,53 m
3. Row	34,35 m
4. Row	35,18 m
5. Row	36,00 m
6. Row	36,82 m
7. Row	37,64 m

BOX 7			5,70 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
38,05 - to - 43,75				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD	Degrees from horizontal		
100,0	100,0	100,0		
94,00	94,00		1. Row	
22,00	22,00		2. Row	34°
71,00	71,00		3. Row	44°
96,00	96,00		4. Row	
98,00	98,00		5. Row	
36,00	36,00		6. Row	
60,00	60,00		7. Row	
93,00	93,00			

Magnetic Susceptibility	
1. Row	1,66
2. Row	1,59
3. Row	1,08
4. Row	0,75
5. Row	1,43
6. Row	0,98
7. Row	

Measurement at	
1. Row	38,46 m
2. Row	39,27 m
3. Row	40,09 m
4. Row	40,90 m
5. Row	41,71 m
6. Row	42,53 m
7. Row	43,34 m

BOX 8	5,76 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
43,75 - to - 49,51			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
95,00		95,00	1. Row	32°
56,00		56,00	2. Row	
42,00		42,00	3. Row	58°
93,00		93,00	4. Row	68°
96,00		96,00	5. Row	37°
65,00		65,00	6. Row	44°
31,00		31,00	7. Row	
98,00		98,00		

Magnetic Susceptibility

1. Row	1,25
2. Row	0,22
3. Row	0,28
4. Row	0,28
5. Row	0,28
6. Row	0,22
7. Row	

Measurement at

1. Row	44,16 m
2. Row	44,98 m
3. Row	45,81 m
4. Row	46,63 m
5. Row	47,45 m
6. Row	48,28 m
7. Row	49,10 m

BOX 9	5,64 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
49,51 - to - 55,15			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 97,3	97,3	RQD 95,9	Degrees from horizontal	
98,00		98,00	1. Row	70°
59,00		59,00	2. Row	41°
11,00		11,00	3. Row	21°
26,00		26,00	4. Row	32°
95,00		95,00	5. Row	
68,00		68,00	6. Row	35°
86,00		86,00	7. Row	
8,00				
98,00		98,00		

Magnetic Susceptibility

1. Row	0,55
2. Row	0,69
3. Row	0,82
4. Row	0,26
5. Row	0,53
6. Row	0,61
7. Row	

Measurement at

1. Row	49,91 m
2. Row	50,72 m
3. Row	51,52 m
4. Row	52,33 m
5. Row	53,14 m
6. Row	53,94 m
7. Row	54,75 m

BOX 10			5,77 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
55,15 - to - 60,92				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,7	RQD 99,7	Degrees from horizontal
97,00	97,00	1. Row
98,00	98,00	2. Row 35°
98,00	98,00	3. Row
97,00	97,00	4. Row
91,00	91,00	5. Row 46°
11,00	11,00	6. Row
83,00	83,00	7. Row

Magnetic Susceptibility

1. Row	0,61
2. Row	0,67
3. Row	0,57
4. Row	0,96
5. Row	0,77
6. Row	1,08
7. Row	

Measurement at

1. Row	55,56 m
2. Row	56,39 m
3. Row	57,21 m
4. Row	58,04 m
5. Row	58,86 m
6. Row	59,68 m
7. Row	60,51 m

BOX 11			5,82 m	GOOD
Date: 23 okt 06			DIP ANGLE	
60,92 - to - 66,74				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 82,3	RQD 82,3	Degrees from horizontal
97,00	97,00	1. Row 44°
96,00	96,00	2. Row
22,00	22,00	3. Row
73,00	73,00	4. Row
97,00	97,00	5. Row
30,00	30,00	6. Row 36°
64,00	64,00	7. Row

Magnetic Susceptibility

1. Row	0,67
2. Row	0,67
3. Row	0,65
4. Row	0,62
5. Row	1,02
6. Row	0,61
7. Row	

Measurement at

1. Row	61,34 m
2. Row	62,17 m
3. Row	63,00 m
4. Row	63,83 m
5. Row	64,66 m
6. Row	65,49 m
7. Row	66,32 m

BOX 12			5,87 m	EXCELLENT
Date: 23 okt 06		DIP ANGLE		
66,74 - to - 72,61				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
97,3	97,3	97,3		
96,00		96,00	1. Row	35°
96,00		96,00	2. Row	
50,00		50,00	3. Row	
46,00		46,00	4. Row	42°
96,00		96,00	5. Row	
97,00		97,00	6. Row	
59,00		59,00	7. Row	
31,00		31,00		

Magnetic Susceptibility	
1. Row	0,79
2. Row	0,57
3. Row	0,75
4. Row	0,47
5. Row	0,71
6. Row	0,86
7. Row	

Measurement at	
1. Row	67,16 m
2. Row	68,00 m
3. Row	68,84 m
4. Row	69,68 m
5. Row	70,51 m
6. Row	71,35 m
7. Row	72,19 m

BOX 13			5,47 m	EXCELLENT
Date: 23 okt 06		DIP ANGLE		
72,61 - to - 78,08				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
94,00		94,00	1. Row	35°
90,00		90,00	2. Row	36°
78,00		78,00	3. Row	
95,00		95,00	4. Row	
95,00		95,00	5. Row	32°
95,00		95,00	6. Row	32°
			7. Row	

Magnetic Susceptibility	
1. Row	0,61
2. Row	0,51
3. Row	0,59
4. Row	0,41
5. Row	0,61
6. Row	0,47
7. Row	

Measurement at	
1. Row	73,00 m
2. Row	73,78 m
3. Row	74,56 m
4. Row	75,35 m
5. Row	76,13 m
6. Row	76,91 m
7. Row	77,69 m

BOX 14			5,80 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
78,08 - to - 83,88			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,6	98,6	98,6		
95,00		95,00	1. Row	51°
98,00		98,00	2. Row	38°
98,00		98,00	3. Row	
12,00		12,00	4. Row	
84,00		84,00	5. Row	71°
100,00		100,00	6. Row	
85,00		85,00	7. Row	

Magnetic Susceptibility

1. Row	0,71
2. Row	0,67
3. Row	0,55
4. Row	0,61
5. Row	0,57
6. Row	0,79
7. Row	

Measurement at

1. Row	78,49 m
2. Row	79,32 m
3. Row	80,15 m
4. Row	80,98 m
5. Row	81,81 m
6. Row	82,64 m
7. Row	83,47 m

BOX 15			5,88 m	EXCELLENT	
Date: 23 okt 06			DIP ANGLE		
83,88 - to - 89,76			Fractures	Foliation or bedding	
RECOVERY					
Total [cm]	Solid [cm]	Modified [cm]			

REC		RQD	Degrees from horizontal	
96,1	96,1	96,1		
17,00		17,00	1. Row	
79,00		79,00	2. Row	
92,00		92,00	3. Row	
99,00		99,00	4. Row	71°
31,00		31,00	5. Row	
63,00		63,00	6. Row	45°
95,00		95,00	7. Row	
73,00		73,00		
16,00		16,00		

Magnetic Susceptibility

1. Row	1,08
2. Row	1,12
3. Row	1,16
4. Row	0,77
5. Row	0,88
6. Row	0,67
7. Row	

Measurement at

1. Row	84,30 m
2. Row	85,14 m
3. Row	85,98 m
4. Row	86,82 m
5. Row	87,66 m
6. Row	88,50 m
7. Row	89,34 m

Drill methode: Core
Core: 3Q TK60/40.7 W
Diameter: 40,7 mm
Length: 241 meter
Casing/Overburden 3,7 meter

BOX 16		5,83 m	EXCELLENT		
Date: 23 okt 06		DIP ANGLE			
89,76 - to - 95,59		Fractures	Foliation or bedding		
RECOVERY					
Total	Solid			Modified	
[cm]	[cm]			[cm]	

REC		RQD	Degrees from horizontal	
98,8	98,8	98,8		
94,00		94,00	1. Row	45°
21,00		21,00	2. Row	45°
76,00		76,00	3. Row	58°
96,00		96,00	4. Row	54°
30,00		30,00	5. Row	45°
67,00		67,00	6. Row	
96,00		96,00	7. Row	
37,00		37,00		
59,00		59,00		

Magnetic Susceptibility	
1. Row	1,37
2. Row	1,68
3. Row	0,57
4. Row	0,79
5. Row	0,53
6. Row	0,32
7. Row	

Measurement at	
1. Row	90,18 m
2. Row	91,01 m
3. Row	91,84 m
4. Row	92,68 m
5. Row	93,51 m
6. Row	94,34 m
7. Row	95,17 m

BOX 17			5,67 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
95,59 - to - 101,26			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,6	99,6	99,6		
22,00		22,00	1. Row	60°
71,00		71,00	2. Row	51°
97,00		97,00	3. Row	40°
95,00		95,00	4. Row	20°
44,00		44,00	5. Row	38°
45,00		45,00	6. Row	55°
95,00		95,00	7. Row	
96,00		96,00		

Magnetic Susceptibility	
1. Row	0,30
2. Row	0,26
3. Row	0,34
4. Row	0,26
5. Row	0,28
6. Row	0,26
7. Row	

Measurement at	
1. Row	96,00 m
2. Row	96,81 m
3. Row	97,62 m
4. Row	98,43 m
5. Row	99,24 m
6. Row	100,05 m
7. Row	100,86 m

BOX 18			5,74 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
101,26 - to - 107,00			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
94,9	94,9	94,9		
71,00		71,00	1. Row	66°
96,00		96,00	2. Row	41°
98,00		98,00	3. Row	50°
92,00		92,00	4. Row	
93,00		93,00	5. Row	
95,00		95,00	6. Row	22°
			7. Row	

Magnetic Susceptibility	
1. Row	0,26
2. Row	0,24
3. Row	0,28
4. Row	0,20
5. Row	0,22
6. Row	0,24
7. Row	

Measurement at	
1. Row	101,67 m
2. Row	102,49 m
3. Row	103,31 m
4. Row	104,13 m
5. Row	104,95 m
6. Row	105,77 m
7. Row	106,59 m

BOX 19	5,74 m	EXCELLENT
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Date: 23 okt 06	DIP ANGLE
107,00 - to - 112,74	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	

REC 97,6	95,8	RQD 95,8	Degrees from horizontal
95,00		95,00	1. Row 45°
11,00		11,00	2. Row 45°
81,00		81,00	3. Row 58°
95,00		95,00	4. Row 54°
94,00		94,00	5. Row 45°
30,00		30,00	6. Row
10,00	NI		7. Row
51,00		51,00	
93,00		93,00	

**Magnetic
Susceptibility**

1. Row	0,27
2. Row	0,26
3. Row	0,20
4. Row	0,23
5. Row	0,28
6. Row	0,22
7. Row	

Measurement at

1. Row	107,41 m
2. Row	108,23 m
3. Row	109,05 m
4. Row	109,87 m
5. Row	110,69 m
6. Row	111,51 m
7. Row	112,33 m

BOX 20	5,76 m	EXCELLENT
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Date: 23 okt 06	DIP ANGLE
112,74 - to - 118,50	
RECOVERY	
Total [cm]	Solid [cm]
Modified [cm]	

REC 98,1	91,5	RQD 91,5	Degrees from horizontal
96,00		96,00	1. Row 45°
9,00		9,00	2. Row 45°
40,00		40,00	3. Row 70°
18,00	NI		4. Row 70°
20,00		20,00	5. Row 70°
5,00	NI		6. Row 65°
94,00		94,00	7. Row
99,00		99,00	
15,00	NI		
18,00		18,00	
60,00		60,00	
91,00		91,00	

**Magnetic
Susceptibility**

1. Row	0,25
2. Row	0,20
3. Row	0,22
4. Row	0,18
5. Row	0,20
6. Row	0,19
7. Row	

Measurement at

1. Row	113,15 m
2. Row	113,97 m
3. Row	114,80 m
4. Row	115,62 m
5. Row	116,44 m
6. Row	117,27 m
7. Row	118,09 m

BOX 21	5,54 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
118,50 - to - 124,04				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,8	99,3	97,5	
95,00		95,00	1. Row 40°
38,00		38,00	2. Row 40°
48,00		48,00	3. Row 45°
20,00		20,00	4. Row 54°
3,00	NI		5. Row 65°
5,00			6. Row 65°
60,00		60,00	7. Row
95,00		95,00	
87,00		87,00	
5,00			
97,00		97,00	

Magnetic Susceptibility	
1. Row	0,24
2. Row	0,22
3. Row	0,18
4. Row	0,16
5. Row	0,22
6. Row	0,20
7. Row	

Measurement at	
1. Row	118,90 m
2. Row	119,69 m
3. Row	120,48 m
4. Row	121,27 m
5. Row	122,06 m
6. Row	122,85 m
7. Row	123,64 m

BOX 22	5,91 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
124,04 - to - 129,95				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
97,1	97,1	95,8	
96,00		96,00	1. Row 80°
96,00		96,00	2. Row 61°
97,00		97,00	3. Row 55°
95,00		95,00	4. Row 56°
98,00		98,00	5. Row 45°
8,00			6. Row 45°
84,00		84,00	7. Row

Magnetic Susceptibility	
1. Row	0,16
2. Row	0,16
3. Row	0,18
4. Row	0,18
5. Row	0,20
6. Row	0,20
7. Row	

Measurement at	
1. Row	124,46 m
2. Row	125,31 m
3. Row	126,15 m
4. Row	127,00 m
5. Row	127,84 m
6. Row	128,68 m
7. Row	129,53 m

BOX 23	5,70 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
129,95 - to - 135,65			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,8	98,9	97,5	
98,00		98,00	1. Row
97,00		97,00	2. Row 45°
21,00		21,00	3. Row
73,00		73,00	4. Row
8,00			5. Row 63°
5,00	NI		6. Row
36,00		36,00	7. Row
45,00		45,00	
93,00		93,00	
93,00		93,00	

Magnetic Susceptibility

1. Row	0,16
2. Row	0,16
3. Row	0,16
4. Row	0,53
5. Row	0,20
6. Row	0,22
7. Row	

Measurement at

1. Row	130,36 m
2. Row	131,17 m
3. Row	131,99 m
4. Row	132,80 m
5. Row	133,61 m
6. Row	134,43 m
7. Row	135,24 m

BOX 24	5,80 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
135,65 - to - 141,45			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
98,8	98,8	98,1	
75,00		75,00	1. Row 66°
19,00		19,00	2. Row 52°
96,00		96,00	3. Row
98,00		98,00	4. Row
97,00		97,00	5. Row
4,00			6. Row
93,00		93,00	7. Row
91,00		91,00	

Magnetic Susceptibility

1. Row	0,18
2. Row	0,08
3. Row	0,08
4. Row	0,16
5. Row	0,04
6. Row	0,18
7. Row	

Measurement at

1. Row	136,06 m
2. Row	136,89 m
3. Row	137,72 m
4. Row	138,55 m
5. Row	139,38 m
6. Row	140,21 m
7. Row	141,04 m

BOX 25			5,63 m	EXCELLENT
Date: 23 okt 06		DIP ANGLE		
141,45 - to - 147,08				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
99,8	99,8	99,8	
95,00		95,00	1. Row
22,00		22,00	2. Row
65,00		65,00	3. Row
95,00		95,00	4. Row
93,00		93,00	5. Row
40,00		40,00	6. Row
56,00		56,00	7. Row
96,00		96,00	

Magnetic Susceptibility	
1. Row	0,18
2. Row	0,08
3. Row	0,08
4. Row	0,16
5. Row	0,04
6. Row	0,18
7. Row	

Measurement at	
1. Row	141,85 m
2. Row	142,66 m
3. Row	143,46 m
4. Row	144,27 m
5. Row	145,07 m
6. Row	145,87 m
7. Row	146,68 m

BOX 26			5,75 m	EXCELLENT
Date: 23 okt 06		DIP ANGLE		
147,08 - to - 152,83				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
100,0	100,0	100,0	
99,00		99,00	1. Row
53,00		53,00	2. Row
38,00		38,00	3. Row
99,00		99,00	4. Row
96,00		96,00	5. Row
67,00		67,00	6. Row
25,00		25,00	7. Row
98,00		98,00	

Magnetic Susceptibility	
1. Row	0,14
2. Row	0,18
3. Row	0,06
4. Row	0,10
5. Row	0,08
6. Row	0,18
7. Row	

Measurement at	
1. Row	147,49 m
2. Row	148,31 m
3. Row	149,13 m
4. Row	149,96 m
5. Row	150,78 m
6. Row	151,60 m
7. Row	152,42 m

BOX 27			5,75 m	EXCELLENT	
Date: 23 okt 06			DIP ANGLE		
152,83 - to - 158,58			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal
98,8	98,8	98,8	
98,00		98,00	1. Row
78,00		78,00	2. Row
12,00		12,00	3. Row
97,00		97,00	4. Row
98,00		98,00	5. Row
88,00		88,00	6. Row
97,00		97,00	7. Row

Magnetic Susceptibility

1. Row	0,20
2. Row	0,06
3. Row	0,02
4. Row	0,02
5. Row	0,26
6. Row	0,12
7. Row	

Measurement at

1. Row	153,24 m
2. Row	154,06 m
3. Row	154,88 m
4. Row	155,71 m
5. Row	156,53 m
6. Row	157,35 m
7. Row	158,17 m

BOX 28			5,81 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
158,58 - to - 164,39			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
96,4	96,4	96,4	
98,50		98,50	1. Row 35°
98,50		98,50	2. Row
68,50		68,50	3. Row
23,00		23,00	4. Row
96,00		96,00	5. Row
98,00		98,00	6. Row 41°
77,50		77,50	7. Row

Magnetic Susceptibility

1. Row	0,14
2. Row	0,10
3. Row	0,12
4. Row	0,10
5. Row	0,08
6. Row	2,17
7. Row	

Measurement at

1. Row	159,00 m
2. Row	159,83 m
3. Row	160,66 m
4. Row	161,49 m
5. Row	162,32 m
6. Row	163,15 m
7. Row	163,98 m

BOX 29	5,79 m	EXCELLENT
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Date: 23 okt 06	DIP ANGLE
164,39 - to - 170,18	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
65,00	65,00	1. Row
34,00	34,00	2. Row
98,00	98,00	3. Row
29,00	29,00	4. Row 23°
69,00	69,00	5. Row
93,00	93,00	6. Row
73,00	73,00	7. Row
23,00	23,00	
37,00	37,00	
58,00	58,00	

Magnetic Susceptibility

1. Row	1,57
2. Row	0,96
3. Row	0,56
4. Row	1,33
5. Row	0,98
6. Row	1,25
7. Row	

Measurement at

1. Row	164,80 m
2. Row	165,63 m
3. Row	166,46 m
4. Row	167,29 m
5. Row	168,11 m
6. Row	168,94 m
7. Row	169,77 m

BOX 30	5,71 m	EXCELLENT
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Date: 23 okt 06	DIP ANGLE
170,18 - to - 175,89	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC	RQD	Degrees from horizontal
99,5	99,5	99,5
97,00	97,00	1. Row
83,00	83,00	2. Row 18°
15,00	15,00	3. Row
96,00	96,00	4. Row
92,00	92,00	5. Row
96,00	96,00	6. Row 56°
16,00	16,00	7. Row
73,00	73,00	

Magnetic Susceptibility

1. Row	0,96
2. Row	1,49
3. Row	1,57
4. Row	1,47
5. Row	0,68
6. Row	1,18
7. Row	

Measurement at

1. Row	170,59 m
2. Row	171,40 m
3. Row	172,22 m
4. Row	173,04 m
5. Row	173,85 m
6. Row	174,67 m
7. Row	175,48 m

Drill methode:	Core
Core:	3Q TK60/40.7 W
Diameter:	40,7 mm
Length:	241 meter
Casing/Overburden	3,7 meter

BOX 31			5,59 m	GOOD	
Date:			23 okt 06		DIP ANGLE
175,89 - to - 181,48					
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			
			Fractures	Foliation or bedding	

REC		RQD	Degrees from horizontal	
99,8	84,6	84,6		
55,00	NI		1. Row	
38,00		38,00	2. Row	66°
94,00		94,00	3. Row	42°
40,00		40,00	4. Row	
50,00		50,00	5. Row	41°
98,00		98,00	6. Row	
50,00		50,00	7. Row	
30,00	NI			
15,00		15,00		
63,00		63,00		
25,00		25,00		

Magnetic Susceptibility	
1. Row	0,86
2. Row	1,14
3. Row	0,75
4. Row	3,60
5. Row	0,45
6. Row	1,00
7. Row	

Measurement at	
1. Row	176,29 m
2. Row	177,09 m
3. Row	177,89 m
4. Row	178,69 m
5. Row	179,48 m
6. Row	180,28 m
7. Row	181,08 m

BOX 32	5,81 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
181,48 - to - 187,29			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
97,2	96,4	96,4	
93,00		93,00	1. Row
99,00		99,00	2. Row 45°
87,00		87,00	3. Row 56°
5,00	NI		4. Row 41°
96,00		96,00	5. Row
91,00		91,00	6. Row
94,00		94,00	7. Row

Magnetic Susceptibility

1. Row	1,70
2. Row	4,44
3. Row	3,25
4. Row	1,26
5. Row	1,14
6. Row	0,04
7. Row	

Measurement at

1. Row	181,90 m
2. Row	182,73 m
3. Row	183,56 m
4. Row	184,39 m
5. Row	185,22 m
6. Row	186,05 m
7. Row	186,88 m

BOX 33	5,85 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
187,29 - to - 193,14			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
98,3	98,3	98,3	
22,00		22,00	1. Row 45°
71,00		71,00	2. Row
97,00		97,00	3. Row
95,00		95,00	4. Row
97,00		97,00	5. Row
97,00		97,00	6. Row
96,00		96,00	7. Row

Magnetic Susceptibility

1. Row	0,04
2. Row	0,14
3. Row	0,12
4. Row	0,14
5. Row	0,10
6. Row	0,18
7. Row	

Measurement at

1. Row	187,71 m
2. Row	188,54 m
3. Row	189,38 m
4. Row	190,22 m
5. Row	191,05 m
6. Row	191,89 m
7. Row	192,72 m

BOX 34			5,84 m	GOOD
Date: 23 okt 06		DIP ANGLE		
193,14 - to - 198,98				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
88,9	88,9	88,9		
36,00		36,00	1. Row	
49,00		49,00	2. Row	
96,00		96,00	3. Row	
97,00		97,00	4. Row	
56,00		56,00	5. Row	77°
40,00		40,00	6. Row	
49,00		49,00	7. Row	
96,00		96,00		

Magnetic Susceptibility	
1. Row	0,14
2. Row	0,30
3. Row	0,16
4. Row	0,14
5. Row	0,14
6. Row	0,26
7. Row	

Measurement at	
1. Row	193,56 m
2. Row	194,39 m
3. Row	195,23 m
4. Row	196,06 m
5. Row	196,89 m
6. Row	197,73 m
7. Row	198,56 m

BOX 35			5,58 m	EXCELLENT
Date: 23 okt 06		DIP ANGLE		
198,98 - to - 204,56				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
30,00		30,00	1. Row	
65,00		65,00	2. Row	
96,00		96,00	3. Row	
90,00		90,00	4. Row	
48,00		48,00	5. Row	39°
40,00		40,00	6. Row	60°
96,00		96,00	7. Row	
92,00		92,00		

Magnetic Susceptibility	
1. Row	0,22
2. Row	0,16
3. Row	0,22
4. Row	0,65
5. Row	0,26
6. Row	0,28
7. Row	

Measurement at	
1. Row	199,38 m
2. Row	200,18 m
3. Row	200,97 m
4. Row	201,77 m
5. Row	202,57 m
6. Row	203,36 m
7. Row	204,16 m

BOX 36			6,00 m	EXCELLENT
Date: 23 okt 06			DIP ANGLE	
204,56 - to - 210,56			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC 95,7	95,7	RQD 95,7	Degrees from horizontal	
76,00		76,00	1. Row	
16,00		16,00	2. Row	34°
99,00		99,00	3. Row	30°
24,00		24,00	4. Row	52°
73,00		73,00	5. Row	60°
92,00		92,00	6. Row	
97,00		97,00	7. Row	
97,00		97,00		

Magnetic Susceptibility

1. Row	0,16
2. Row	0,77
3. Row	1,53
4. Row	1,46
5. Row	2,41
6. Row	1,27
7. Row	

Measurement at

1. Row	204,99 m
2. Row	205,85 m
3. Row	206,70 m
4. Row	207,56 m
5. Row	208,42 m
6. Row	209,27 m
7. Row	210,13 m

BOX 37			5,79 m	EXCELLENT	
Date: 23 okt 06			DIP ANGLE		
210,56 - to - 216,35			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC 99,8	93,3	RQD 93,3	Degrees from horizontal	
10,00	NI		1. Row	60°
57,00		57,00	2. Row	
28,00	NI		3. Row	71°
19,00		19,00	4. Row	70°
76,00		76,00	5. Row	68°
97,00		97,00	6. Row	65°
99,00		99,00	7. Row	
16,00		16,00		
79,00		79,00		
97,00		97,00		

Magnetic Susceptibility

1. Row	0,36
2. Row	0,88
3. Row	0,94
4. Row	0,53
5. Row	1,02
6. Row	0,63
7. Row	

Measurement at

1. Row	210,97 m
2. Row	211,80 m
3. Row	212,63 m
4. Row	213,46 m
5. Row	214,28 m
6. Row	215,11 m
7. Row	215,94 m

BOX 38	5,65 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
216,35 - to - 222,00			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
98,00		98,00	1. Row	
37,00		37,00	2. Row	35°
50,00		50,00	3. Row	
94,00		94,00	4. Row	55°
93,00		93,00	5. Row	
46,00		46,00	6. Row	36°
50,00		50,00	7. Row	
97,00		97,00		

Magnetic Susceptibility

1. Row	0,61
2. Row	0,47
3. Row	0,65
4. Row	0,65
5. Row	0,53
6. Row	0,45
7. Row	

Measurement at

1. Row	216,75 m
2. Row	217,56 m
3. Row	218,37 m
4. Row	219,18 m
5. Row	219,98 m
6. Row	220,79 m
7. Row	221,60 m

BOX 39	5,70 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
222,00 - to - 227,70			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
96,00		96,00	1. Row	
54,00		54,00	2. Row	32°
43,00		43,00	3. Row	50°
92,00		92,00	4. Row	32°
98,00		98,00	5. Row	70°
71,00		71,00	6. Row	
23,00		23,00	7. Row	
93,00		93,00		

Magnetic Susceptibility

1. Row	0,55
2. Row	0,41
3. Row	0,67
4. Row	0,53
5. Row	0,63
6. Row	0,64
7. Row	

Measurement at

1. Row	222,41 m
2. Row	223,22 m
3. Row	224,04 m
4. Row	224,85 m
5. Row	225,66 m
6. Row	226,48 m
7. Row	227,29 m

BOX 40	5,84 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
227,70 - to - 233,54				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,3	99,3	99,3	
14,00		14,00	1. Row 46°
82,00		82,00	2. Row 75°
96,00		96,00	3. Row 66°
98,00		98,00	4. Row 22°
46,00		46,00	5. Row
50,00		50,00	6. Row 44°
95,00		95,00	7. Row
99,00		99,00	

Magnetic Susceptibility

1. Row	0,63
2. Row	0,43
3. Row	0,38
4. Row	0,61
5. Row	0,63
6. Row	
7. Row	

Measurement at

1. Row	228,12 m
2. Row	228,95 m
3. Row	229,79 m
4. Row	230,62 m
5. Row	231,45 m
6. Row	232,29 m
7. Row	233,12 m

BOX 41	5,79 m	GOOD
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Date: 23 okt 06			DIP ANGLE	
233,54 - to - 239,33				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
80,5	78,8	78,8	
77,00		77,00	1. Row 45°
17,00		17,00	2. Row 41°
37,00		37,00	3. Row 52°
10,00	NI		4. Row 23°
40,00		40,00	5. Row 71°
100,00		100,00	6. Row
77,00		77,00	7. Row
13,00		13,00	
95,00		95,00	

Magnetic Susceptibility

1. Row	0,61
2. Row	0,59
3. Row	0,53
4. Row	0,62
5. Row	0,79
6. Row	0,53
7. Row	

Measurement at

1. Row	233,95 m
2. Row	234,78 m
3. Row	235,61 m
4. Row	236,44 m
5. Row	237,26 m
6. Row	238,09 m
7. Row	238,92 m

BOX 42	1,87 m	EXCELLENT
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Date: 23 okt 06			DIP ANGLE	
239,33 - to - 241,20				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
98,4	98,4	96,3	
90,00		90,00	1. Row
90,00		90,00	2. Row
4,00			3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility

1. Row	0,59
2. Row	0,61
3. Row	0,45
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at

1. Row	239,46 m
2. Row	239,73 m
3. Row	240,00 m
4. Row	240,27 m
5. Row	240,53 m
6. Row	240,80 m
7. Row	241,07 m

BOX 43	0,00 m	#DIV/0!
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Date: - to -			DIP ANGLE	
- to -				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
			1. Row
			2. Row
			3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility

1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

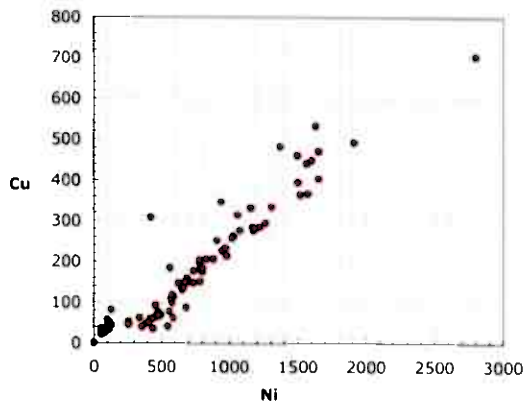
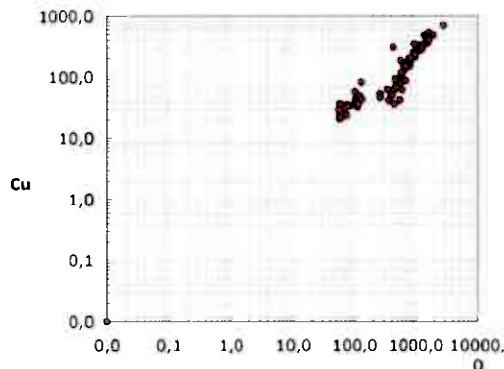
Measurement at

1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

YEAR	2006	Info of Borehole				SH
Drill Date: 22. Oct		Ballangen DDH-06 SH-006				
HOLE ID: SH-006						
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen	
Northing:	7583311	Elevation:	510 meter [asl]	Drill method:	Core	
Easting:	584154	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	165,70 meter	
Bearing:	300°	Logged date:	29. oktober 2006	Average REC/RQD:	98,3 pct. / 97,6 pct.	
Dip:	-85°	Survey date:	-	by:	Casing/overburden: 5,7 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						

COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimute	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	- AMPH - Amphibolite
B	- GB - Gabbro
C	- MGN - Gneiss
D	- NO - Norite
E	- ONO - Olivinerite
F	- OPX/CPX - Olivinepyroxenite (Ol-websterite)
G	- PRD - Peridotite
H	- PX - Pyroxenite (Websterite)
I	- S - Schist
eah	- End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	688,29	169,86
- Median	592,00	131,00
- Minimum	56,00	21,00
- Maximum	2800,00	703,00
- Standard Deviation	534,10	148,66
- Numbers	93,00	93,00
- Kurtosis	1,45	0,92
- Skewness	1,00	1,16
- Variance	285265	22099
- Detection Limit	1,00	1,00

SULPHIDES

1.	- Pyrrhotite	Po.
2.	- Pentlandite	Pn.
3.	- Chalcopyrite	Cp.
4.	- Graphite	Gph.
5.	- X	X.

ALTERATION

6.	- Garnet	Grt.
7.	- Biotite	Bio.
8.	- Chlorite	Chl.
9.	- Talc	Tc.
10.	- Serpentine	Act-Tr.

GEOCHEMISTRY

11.	- Nickel	Ni	[ppm]
12.	- Copper	Cu	[ppm]
13.	- Iron	Fe	[pct]
14.	- Gold	Au	[ppb]
15.	- Cobalt	Co	[ppm]

MAGNETIC SUSCEPTIBILITY

16.	- Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	90
- Mean	42,91°
- Standard Deviation	13,97°
- Maximum Petal	19,44 pct.
- Standard Deviation Petal	3,9 pct.

FOLIATION OR BEDDING

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	90
- Mean	42,91°
- Standard Deviation	13,97°
- Maximum Petal	19,44 pct.
- Standard Deviation Petal	3,9 pct.

FRACTURES

FOLIATION OR BEDDING

YEAR

2006

Drill Date:

22. Oct

HOLE ID:

SH-006

Project:

Ballangen

Northing:

7583311

Easting:

584154

Datum:

WGS84

Bearing:

300°

Dip:

-85°

Contractor:

Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

SH

Ballangen DDH-06 SH-006

Location:

Rånbogen

Project manager:

Søren Lund Jensen

Elevation:

510 meter [asl]

Drill method:

Core

Geologist:

Mikkel Vognsen

Core:

TT46

Diameter:

35,6 mm

Logged by:

Mikkel Vognsen

Length:

165,70 meter

Average REC/RQD:

98,3 pct. / 97,6 pct.

Survey date:

29. oktober 2006

Casing/overburden:

5,7 meter

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁶ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Bl	Chl	Tc			Act-Tr	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
0		0-5.7m: Soil Casing																				
1																						
2																						
3																						
4																						
5		5.7-6.0m: PXI Opx-dominated PX (ol <5%, opx 80%, pl 15% + varying amounts of disseminated sulphides). Magmatic texture - no apparent foliation. Pl intercumulus phase. The mineralisation is frgd and in places minor netveined.																				
6	H	6.0-6.4m: Gneiss! Assimilated xenolithic grt-bi-msc foliated gneiss. Both upper and lower contacts are sharp and characterised by a 1cm wide act zone, growing perpendicular to contact. From act → the Px is highly chloritised reaching 30cm into		149605	2	1								15		691	160	9		115	BOX 1	
6	C				2	1				50		2		50							0,55	
6	H	6.4-22.6m: PXI Pl-bearing opx-dominated PX. Dark bluish m-cgrd rock with finely orientated texture. In addition the rock has sporadically occurring 3-8mm large hypersthene? poikiloblasts. Often with greenish cores and violet rims. Foliation @ c. 35° defined by pl laths.				1								50							1,51	
7						1								15							1,53	
8						1																
8				149606		1										579	99	10		119	1,41	
9						1															0,28	
10		10.1m: Alteration! Minor felsic veining (5cm) wide phi-q-fsp vein, rimmed by chloritised PX.		149607		1				50			10	10		646	145	10		119	0,77	
11		10.5-10.6m: Chlorite alteration! In very cgrd cpx cumulus interval.				1							10	10								
12		11.8-12.05m: Cumulus interval. Very cgrd. Chalc-rich mineralisation 11.8-11.85m associated with upper transition from mgrd to very cgrd texture.				1															BOX 2	
12	C	12.2-12.5m: Assimilation! Grt-bearing q-fsp-chl-phi-tre rock. Sharp contact to PX @ 40'. Minor or no alteration of siderock.		149608	1	1				50		2	5	10	10	782	195	11		131	0,45	
13	H	12.5-17.95m: PXI			1	1				50											0,55	
13					1	1															1,00	
14				149609	1	1										653	131	11		122	0,77	
15					2	1															0,49	
16					1	1															0,61	
16				149610	1	1										592	115	11		124		
17					1	1															BOX 3	

YEAR2006

Drill Date:22 Oct

HOLE ID:SH-006

Project:Ballangen

Northing:7583311

Easting:584154

Datum:WGS84

Bearing:300°

Dip:-85°

Contractor:Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-06 SH-006

SH

Location:Rånbogen

Elevation:510 meter [asl]

Geologist:Mikkel Vognsen

Logged by:Mikkel Vognsen

Survey date:29. oktober 2006

Project manager:Søren Lund Jensen

Drill method:Core

Core:TT46

Diameter:35,6 mm

Length:165,70 meter

Average REC/RQD:98,3 pct. / 97,6 pct.

Casing/overburden:5,7 meter

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE Description	Sample no. %	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10	
				Po	Pn	Cp	Gph	X		Grt	Bi	Chl	Tc			Act-Tr	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]		Co [ppm]
18		17.95-18.3m: Alteration! "Rotten rock" interval; felsic veining with black tourmaline (schorl or dravite type) euhedral 1-2cm long grains. Blue kyanite present as well. The veining is rimmed by frgd chl. Secondary bi/phl occur in minor amounts. Semi chloritisation of siderock reaching 10-20cm into siderock. Mn-oxide and tc coated fracture planes.	149611						50		5	20	2	5			476	76	9		108	
19									50		5	20	2	5								
20		20.2-20.5m: Alteration! Grd chl. Most likely on minor vein or fracture with little or no movements. No alteration of siderock. Mn-oxide present.	149612	4													787	181	11		127	
21		20.9-21.4m: Alteration! Extensive alteration associated with opx-bearing felsic 1-3cm wide veins. In between the irregular veins the PX is highly altered.									20	50	10	20								
22			149613								20	50	10	20								
23	G	22.6-24.4m: PRD! F-mgnd PRD. The transition from dark opx-PX to PRD is relatively sharp (<10cm) and defined by the absence of pl. PRD (ol 40%, opx 40%, cpx 20%, pl <2%). Several minor 1cm wide felsic veins, rimmed by 0.5cm wide act. No or minor chloritisation of siderock. veins @ 22.75m; 23.6m; 23.8m; 24.2m.							10					5								BOX 4
24			149614						10					5			1075	276	12		145	0,55
25	H	24.4-28.3m: PX! Opx-dominated PX rarely with PRD affinity ~ol near or above 40%. The PX is pl-bearing (intercumulus phase). Mgnd PX (ol <10%, opx 75%, cpx 5%, pl <10%). Where cpx (augite?) is present the pl content increases. Weak but detectable foliation @ 40-50' (likely to be metamorphic overprint). Disseminated sulphides (2-4%) between 27.8-28.3m.							10					5								0,47
26			149615	2													1910	493	13		197	0,67
27				2																		0,66
28			149616	5													1060	315	11		140	0,73
29	D	28.3-28.75m: Pegmatoidal nrite with 1cm large augite grains. The contacts are unaltered.		1																		0,65
30	H	28.75-30.2m: PX! Pl-bearing opx-dominated PX (ol 30%, opx 60%, cpx 5%, pl 5%). Foliation @ 60'.		1																		BOX 5
31		30.2-30.3m: Gneiss! Assimilated grt-bi-gneiss. The contacts are characterised by a 1cm wide frgd chl zone. Followed by a extensive tre-bi alteration reaching 60cm into siderock. Hydration! No hbl	149617	1							2	2		5			738	177	9		119	1,68
32	C	30.3-60.8m: PX! Mgnd black - dark greenish pl-bearing opx-dominated PX with weak foliation (metamorphic) defined by orientated pl-laths and recrystallised opx grains @ 55-60'. The pl +/- ol ratio may shift, leading to PRD compositions in places (minor!). Where the weak mineral orientation is missing the mafic rock shows a homogenously texture, having only a very minor and local grain size change typical to a coarse grained rock. no poikiloblast observed. Disseminated sulphides (2-4%) between 43-44.6m. Otherwise minor frgd sulphides occur throughout the PX interval.	149618	1						50		10	20	35								0,34
33				1							5	5	10									0,92
34				5							2	2	5									0,73
35				1																		0,88
36				1																		1,06
37				1																		
38				1																		
39				1																		
40				1																		
41				1																		
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92				1																		
93				1																		
94				1																		
95				1																		
96				1																		
97				1																		
98				1																		
99				1																		
100				1																		

YEAR2006

Drill Date:22. Oct

HOLE ID:SH-006

Project:Ballangen

Northing:7583311

Easting:584154

Datum:WGS84

Bearing:300°

Dip:-85°

Contractor:Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-06 SH-006

SH

Location:Rånbogen

Elevation:510 meter [asl]

Geologist:Mikkel Vognsen

Logged by:Mikkel Vognsen

Survey date:29. oktober 2006

Project manager:Søren Lund Jensen

Drill method:Core

Core:TT46

Length:165,70 meter

Average REC/RQD:98,3 pct. / 97,6 pct.

Casing/overburden:5,7 meter

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct	Dip angle degree	Geochem					Mag	Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Gr	Bi	Ch	Tc			Act-Tn	Ni (ppm)	Cu (ppm)	Fe (pct)	Au (ppb)		
34				149619	1												694	151	10		125		BOX 6
35					1																		1,27
36					1																		0,59
37					1																		0,53
38					1																		0,65
39					1																		0,75
40					1																		0,50
41					1																		0,87
42					1																		1,01
43					1																		0,70
44					1																		0,31
45					1																		0,35
46					1																		0,70
47					1																		0,71
48					1																		0,77
49					1																		0,51
50					1																		0,52
51					1																		0,53

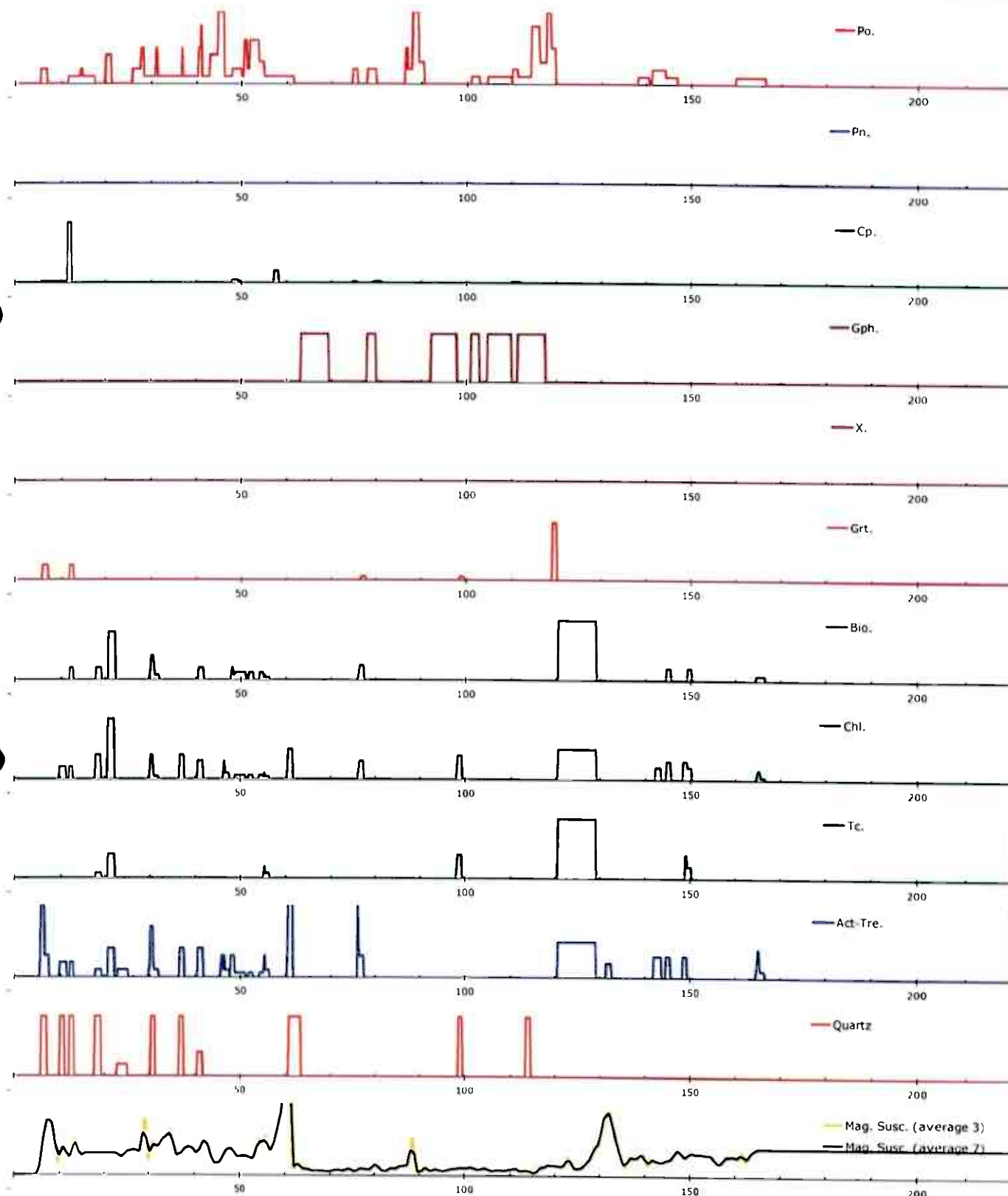
Sample ID	Depth (m)	Alteration	Mineralisation	Chalcopyrite (%)	Box 9	Box 10	Box 11
149634	52.0				1515	365	12
149635	52.5				1170	284	11
149636	53.0				785	152	11
149637	54.0				803	175	10
149638	55.0	55.4-55.6m: Alteration! 2cm wide felsic vein with secondary bi, rimmed by act-chl. reaching 5-10cm into siderock.			630	147	9
149639	56.0				805	185	10
149640	58.0	57.3m: Mineralisation! Chalcopyrite "paint" ~10%.			570	109	9
149641	59.0	58.9-59.0m: Pegmatoidal bi-pl vein. No siderock alteration.			257	46	5
149642	60.0				61	25	3
149643	62.0	60.8-62.6m: Gneiss. Assimilated xenolith. Grt-bi gneiss with clear foliation @ 80-85°. The sharp contact to the above PX is characterised by heavy chl re alteration reaching 20-30cm into PX. No hbl observed.			68	26	5
149644	63.0	62.6-63.4m: ONOI ~ NO. Norite (ol 40%, opx 45%, cpx 15%, pl 40%) pl ↔ cpx ratio may interchange, changing the norite into a more mafic rock in places (pl 30-40%). Thin section @ 66m. Typical diopside-hedenbergite? type cpx interchange with pl. Where the rock has a more mafic composition the grainsize has increased as well. Compositional layering @ 15-25°. Textural homogeneity in places (internal shearing or flow patterns?). Secondary bi/pl occur as small isolated intercumulus flakes. Minor serpentinised veins (mm-thin dark veins), irregular pattern. Minor disseminated sulphides (0-0.5%) occur in association with gph aggregates.			75	24	4

YEAR		2006		Log of Borehole																		SH			
Drill Date:				22. Oct		Ballangen DDH-06 SH-006																			
HOLE ID:				SH-006																					
Project:				Ballangen		Location:				Ranbogen		Project manager:				Søren Lund Jensen									
Northing:				7583311		Elevation:				510 meter [asl]		Drill method:				Core									
Easting:				584154		Geologist:				Mikkel Vognsen		Core:				TT46		Diameter:		35,6 mm					
Datum:				WGS84		Logged by:				Mikkel Vognsen		Length:				165,70 meter									
Bearing:				300°		Logged date:				29. oktober 2006		Average REC/RQD:				98,3 pct. / 97,6 pct.									
Dip:				-85°		Survey date:						by:						Casing/overburden:				5,7 meter			
Contractor:				Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																									
Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration			Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10				
		Description			Py	Pn	Cp	Gph	X		Grt	Bi	Chl			Tc	Act	Tn	Ni [ppm]	Cu [ppm]		Fe [pct]	Au [ppb]	Co [ppm]	
68				149645				1									103	36	4		37				
69								1													BOX 12				
70				149646													104	43	5		42				
71																					0,14				
72		72.0-72.3m: Alteration! Pl-veining, rimmed by secondary bi/phl.		149647													68	33	4		32				
73		72.8-72.9m: Alteration! Pl-veining, rimmed by secondary bi/phl.																			0,16				
74				149648													564	185	6		70				
75		74.5m: Alteration! Pl-veining, rimmed by secondary bi/phl.			2		1														BOX 13				
76		76.0m: The last 50cm interval is characterised by extensive alteration. Crd tremolite grading into chl-bi zone, grading into opx-(with overgrowth of cpx) pl rock with with homog. texture.		149649							2	5	50				120	50	4		36				
77		76.7-77.0m: Gneiss! Grt-bi gneiss. The upper contact is sharp and is characterised by the above described alteration system.									4	10	25								0,20				
78		77.0-78.0m: ONOI! Abrupt transition to a mafic norite (ol 50%, cpx 50%) with a homog. texture and secondary bi. No mineralisation.									6	15	15								0,17				
79		78.0-79.25m: NO! Sharp transition to a f-mgdr green-greyish norite (ol 40%, opx 5%, cpx 5%, pl 50%). Gph aggregates with (1-2%) disseminated sulphides		149650	2		1										129	82	5		52				
80		79.25-85.7m: ONOI! Relatively sharp transition to a m-cgrd mafic norite (ol 20%, opx 10%, cpx 30%, pl 30%), weak foliation defined by pl laths and elongate cpx-augite grains @ 30-35°. Minor intercumulus phi common. (1-2%). Gph in the		149651	2		1										131	43	5		42				
81																					BOX 14				
82				149652													85	34	5		39				
83																					0,12				
84		83.8-85.5m: Compositional change! Opx & cpx increase ~ pl decrease to 10%. Large augite 1-2cm grains occur sporadically (recrystallisation?).		149653													106	39	4		36				
85																					0,24				
																					0,15				

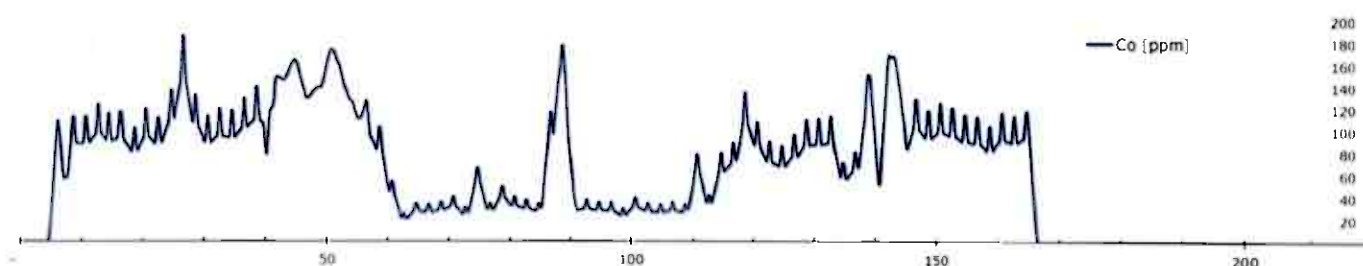
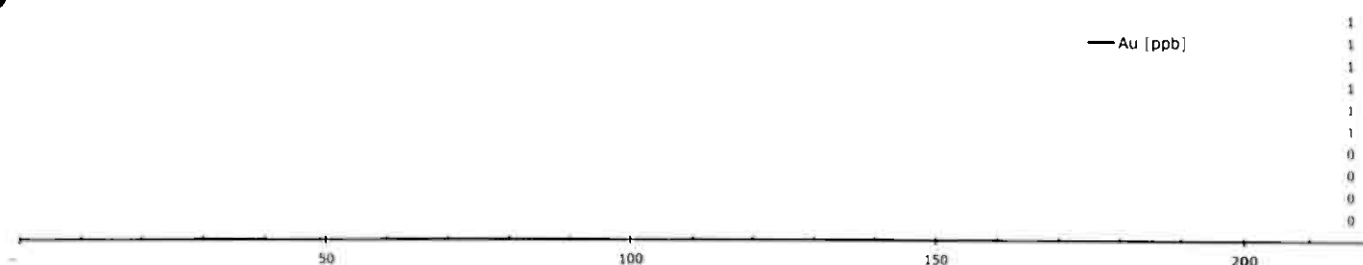
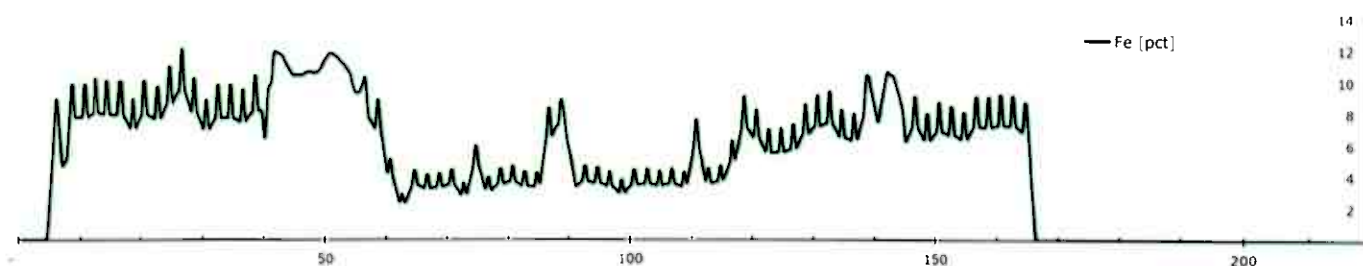
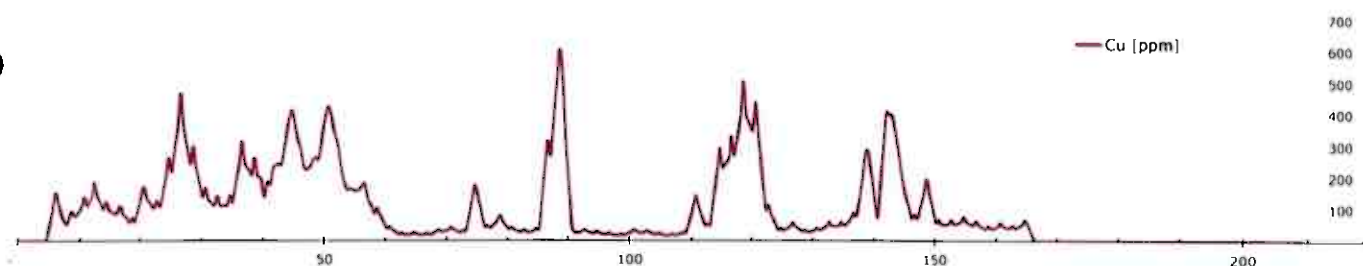
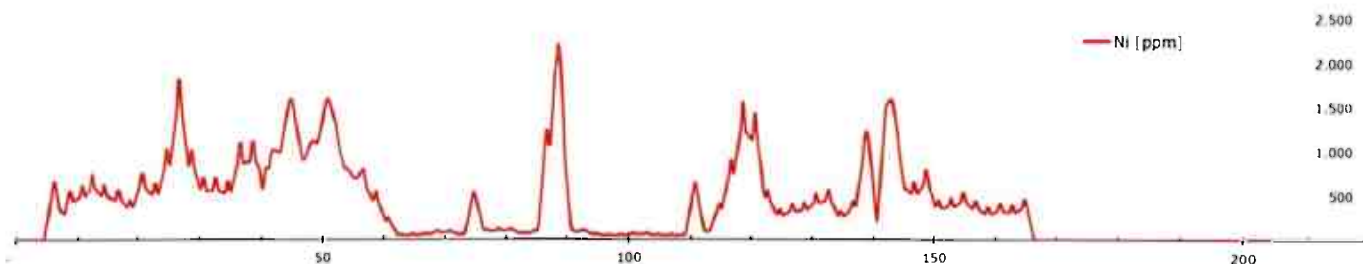
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YEAR		2006																				
Drill Date:		22. Oct																				
HOLE ID:		SH-006																				
Project:		Ballangen																				
Northing:		7583311																				
Easting:		584154																				
Datum:		WGS84																				
Bearing:		300°																				
Dip:		-85°																				
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																				
		Log of Borehole																				
		Ballangen DDH-06 SH-006																				
		Project manager: Soren Lund Jensen																				
		Drill method: Core																				
		Core: TT46 Diameter: 35,6 mm																				
		Length: 165,70 meter																				
		Average REC/RQD: 98,3 pct. / 97,6 pct.																				
		Casing/overburden: 5,7 meter																				
		by: -																				
		Survey date: -																				
		Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																				
Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³
		Description			Fe	Pb	Cu	Gph	X		Grt	Bio	Chl	Tc			Act-Tr	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
137.0-140.1m	G	PRD the upper contact is tre altered. Generally the PRD (of 40%, opx 20%, cpx 40%) is characterised by 1-2cm large px poikiloblast, often with green cores and violet rims. The poikiloblasts are often concentrated in 5-10cm long intervals - horisents.		149680												457	93	8		85	0,55	
140.1-142.2m	A	PRD F-mgnd dark green rock with few sporadically occurring cpx poikiloblasts (of 40-50%, opx 40%, cpx <10%). Disseminated sulphides (0-2%). Magmatic texture, no foliation.		149681	1											1180	281	11		151	0,50	
142.2-144.4m	G	PRD F-mgnd dark mafic PRD with several alteration zones. (of 40%, opx 40%, cpx 20%, pl +/- 10%). 5-10mm large px poikiloblasts comprise upto 10% of the rock, typically in smaller domains. Disseminated sulphides occur as fgrd interstitial style, often in <10cm intervals. Alteration: secondary bi occur as hydration product near felsic veins		149682	1											1260	294	10		151	0,55	
144.4-144.9m	E	ONOI		149683	1											58	36	7		37	0,66	
144.9-145.5m	G	PRD Altered PRD with tre-chl-bi alteration.		149684	1																0,26	
145.5-165.7m	G	PRD M-fgrd dark mafic PRD with several alteration zones. (of 40%, opx 40%, cpx 20%, pl +/- 10%). 5-10mm large px poikiloblasts comprise upto 10% of the rock, typically in smaller domains. Disseminated sulphides occur as fgrd interstitial style, often in <10cm intervals. Alteration: secondary bi occur as hydration product near felsic veins		149685	2											1560	441	11		178	0,49	
145.5-150.0m	Felsic veining running parallel with RDC. 1cm wide, rimmed by secondary bi-chl-tc. Alteration reaches 5cm into siderock.			149686	2											1500	395	10		164	0,45	
149.0m	Alteration! Tc coated fractures.			149687	2																0,39	
149.5-150.0m	Felsic veining running parallel with RDC. 1cm wide, rimmed by secondary bi-chl-tc. Alteration reaches 5cm into siderock.			149688	2											1650	404	10		171	0,43	
149.5-152.8m	The PRD changes grain size to a			149689	2																0,38	
150.0-152.8m	The PRD changes grain size to a			149690	2																0,38	
152.8-160.0m	The PRD changes grain size to a			149691	2																0,47	
160.0-165.7m	The PRD changes grain size to a			149692	2																0,47	
165.7-168.0m	The PRD changes grain size to a			149693	2																0,47	
168.0-170.0m	The PRD changes grain size to a			149694	2																0,47	
170.0-172.0m	The PRD changes grain size to a			149695	2																0,47	
172.0-174.0m	The PRD changes grain size to a			149696	2																0,47	
174.0-176.0m	The PRD changes grain size to a			149697	2																0,47	
176.0-178.0m	The PRD changes grain size to a			149698	2																0,47	
178.0-180.0m	The PRD changes grain size to a			149699	2																0,47	
180.0-182.0m	The PRD changes grain size to a			149700	2																0,47	
182.0-184.0m	The PRD changes grain size to a			149701	2																0,47	
184.0-186.0m	The PRD changes grain size to a			149702	2																0,47	
186.0-188.0m	The PRD changes grain size to a			149703	2																0,47	
188.0-190.0m	The PRD changes grain size to a			149704	2																0,47	
190.0-192.0m	The PRD changes grain size to a			149705	2																0,47	
192.0-194.0m	The PRD changes grain size to a			149706	2																0,47	
194.0-196.0m	The PRD changes grain size to a			149707	2																0,47	
196.0-198.0m	The PRD changes grain size to a			149708	2																0,47	
198.0-200.0m	The PRD changes grain size to a			149709	2																0,47	
200.0-202.0m	The PRD changes grain size to a			149710	2																0,47	
202.0-204.0m	The PRD changes grain size to a			149711	2																0,47	
204.0-206.0m	The PRD changes grain size to a			149712	2																0,47	
206.0-208.0m	The PRD changes grain size to a			149713	2																0,47	
208.0-210.0m	The PRD changes grain size to a			149714	2																0,47	
210.0-212.0m	The PRD changes grain size to a			149715	2																0,47	
212.0-214.0m	The PRD changes grain size to a			149716	2																0,47	
214.0-216.0m	The PRD changes grain size to a			149717	2																0,47	
216.0-218.0m	The PRD changes grain size to a			149718	2																0,47	
218.0-220.0m	The PRD changes grain size to a			149719	2																0,47	
220.0-222.0m	The PRD changes grain size to a			149720	2																0,47	
222.0-224.0m	The PRD changes grain size to a			149721	2																0,47	
224.0-226.0m	The PRD changes grain size to a			149722	2																0,47	
226.0-228.0m	The PRD changes grain size to a			149723	2																0,47	
228.0-230.0m	The PRD changes grain size to a			149724	2																0,47	
230.0-232.0m	The PRD changes grain size to a			149725	2																0,47	
232.0-234.0m	The PRD changes grain size to a			149726	2																0,47	
234.0-236.0m	The PRD changes grain size to a			149727	2																0,47	
236.0-238.0m	The PRD changes grain size to a			149728	2																0,47	
238.0-240.0m	The PRD changes grain size to a			149729	2																0,47	
240.0-242.0m	The PRD changes grain size to a			149730	2																0,47	
242.0-244.0m	The PRD changes grain size to a			149731	2																0,47	
244.0-246.0m	The PRD changes grain size to a			149732	2																0,47	
246.0-248.0m	The PRD changes grain size to a			149733	2																0,47	
248.0-250.0m	The PRD changes grain size to a			149734	2																0,47	
250.0-252.0m	The PRD changes grain size to a			149735	2																0,47	
252.0-254.0m	The PRD changes grain size to a			149736	2																0,47	
254.0-256.0m	The PRD changes grain size to a			149737	2																0,47	
256.0-258.0m	The PRD changes grain size to a			149738	2																0,47	
258.0-260.0m	The PRD changes grain size to a			149739	2																0,47	
260.0-262.0m	The PRD changes grain size to a			149740	2																0,47	
262.0-264.0m	The PRD changes grain size to a			149741	2																0,47	
264.0-266.0m	The PRD changes grain size to a			149742	2																0,47	
266.0-268.0m	The PRD changes grain size to a			149743	2																0,47	
268.0-270.0m	The PRD changes grain size to a			149744	2																0,47	
270.0-272.0m	The PRD changes grain size to a			149745	2																0,47	
272.0-274.0m	The PRD changes grain size to a			149746	2																0,47	
274.0-276.0m	The PRD changes grain size to a			149747	2																0,47	
276.0-278.0m	The PRD changes grain size to a			149748	2																0,47	
278.0-280.0m	The PRD changes grain size to a			149749	2																0,47	
280.0-282.0m	The PRD changes grain size to a			149750	2																0,47	
282.0-284.0m	The PRD changes grain size to a			149751	2																0,47	
284.0-286.0m	The PRD changes grain size to a			149752	2																0,47	
286.0-288.0m	The PRD changes grain size to a			149753	2																0,47	
288.0-290.0m	The PRD changes grain size to a			149754	2																0,47	
290.0-292.0m	The PRD changes grain size to a			149755	2																0,47	
292.0-294.0m	The PRD changes grain size to a			149756	2																0,47	
294.0-296.0m	The PRD changes grain size to a			149757	2																0,47	
296.0-298.0m	The PRD changes grain size to a			149758	2																0,47	
298.0-300.0m	The PRD changes grain size to a			149759	2																0,47	
300.0-302.0m	The PRD changes grain size to a			149760	2																0,47	
302.0-304.0m	The PRD changes grain size to a			149761	2																0,47	
304.0-306.0m	The PRD changes grain size to a			149762	2																0,47	
306.0-308.0m	The PRD changes grain size to a			149763	2																0,47	
308.0-310.0m	The PRD changes grain size to a			149764	2																0,47	
310.0-312.0m	The PRD changes grain size to a			149765	2																0,47	
312.0-314.0m	The PRD changes grain size to a			149766	2																	

YEAR	2006	Log of Borehole				SH
		Ballangen DDH-06 SH-006				
Drill Date:	22 October					
HOLE ID:	SH-006					
Project:	Ballangen	Location:	Ranbogen	Project manager:	Soren Lund Jensen	
Northing:	7583311	Elevation:	510 meter (asl)	Drill method:	Core	
Easting:	584154	Geologist:	Mikkel Vognsen	Core:	TT46	Diameter: 35,6 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	165,70 meter	
Bearing:	300°	Logged date:	29. oktober 2006	Average REC/RQD:	98,3 pct. / 97,6 pct.	
Dip:	-85°	Survey date:	-	by:	Casing/overburden: 5,7 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						



YEAR		2006		Log of Borehole		SH	
Drill Date:		22 October		Ballangen DDH-06 SH-006			
HOLE ID:		SH-006					
Project:		Ballangen	Location:	Rånbogen	Project manager:		Søren Lund Jensen
Northing:		7583311	Elevation:	510 meter [asl]	Drill method:		Core
Easting:		584154	Geologist:	Mikkel Vognsen	Core:		TT46 Diameter: 35,6 mm
Datum:		WGS84	Logged by:	Mikkel Vognsen	Length:		165,70 meter
Bearing:		300°	Logged date:	29. oktober 2006	Average REC/RQD:		98,3 pct. / 97,6 pct.
Dip:		-85°	Survey date:	-	by:		-
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							



Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	166 meter
Casing/Overburden	5,7 meter

BOX 1	5,68 m	EXCELLENT
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Date: 22 okt 06
5,56 - to - 11,24

DIP ANGLE

RECOVERY

Total	Solid	Modified
[cm]	[cm]	[cm]

Fractures	Foliation or bedding
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REC		RQD	Degrees from horizontal
100,0	100,0	99,3	
20,00		20,00	1. Row
74,00		74,00	2. Row
97,00		97,00	3. Row
98,00		98,00	4. Row 61°
90,00		90,00	5. Row 45°
4,00			6. Row 46°
39,00		39,00	7. Row
28,00		28,00	
28,00		28,00	
90,00		90,00	

Magnetic Susceptibility

1. Row	0,55
2. Row	1,51
3. Row	1,53
4. Row	1,41
5. Row	0,28
6. Row	0,77
7. Row	

Measurement at

1. Row	5,97 m
2. Row	6,78 m
3. Row	7,59 m
4. Row	8,40 m
5. Row	9,21 m
6. Row	10,02 m
7. Row	10,83 m

BOX 2	5,72 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
11,24 - to - 16,96				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
99,7	99,7	99,7
98,00	98,00	1. Row 53°
78,00	78,00	2. Row
12,00	12,00	3. Row 45°
94,00	94,00	4. Row
97,00	97,00	5. Row 48°
96,00	96,00	6. Row 45°
95,00	95,00	7. Row

Magnetic Susceptibility

1. Row	0,45
2. Row	0,55
3. Row	1,00
4. Row	0,77
5. Row	0,49
6. Row	0,61
7. Row	

Measurement at

1. Row	11,65 m
2. Row	12,47 m
3. Row	13,28 m
4. Row	14,10 m
5. Row	14,92 m
6. Row	15,73 m
7. Row	16,55 m

BOX 3	5,72 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
16,96 - to - 22,68				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
98,6	98,6	98,6
94,00	94,00	1. Row
67,00	67,00	2. Row
27,00	27,00	3. Row
50,00	50,00	4. Row
10,00	10,00	5. Row
36,00	36,00	6. Row
91,00	91,00	7. Row
98,00	98,00	
43,00	43,00	
48,00	48,00	

Magnetic Susceptibility

1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at

1. Row	17,37 m
2. Row	18,19 m
3. Row	19,00 m
4. Row	19,82 m
5. Row	20,64 m
6. Row	21,45 m
7. Row	22,27 m

BOX 4			5,88 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
22,68 - to - 28,56				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,3	98,3	98,3		
96,00		96,00	1. Row	
97,00		97,00	2. Row	27°
97,00		97,00	3. Row	60°
96,00		96,00	4. Row	
97,00		97,00	5. Row	
8,00		8,00	6. Row	31°
87,00		87,00	7. Row	

Magnetic Susceptibility

1. Row	0,55
2. Row	0,47
3. Row	0,67
4. Row	0,66
5. Row	0,73
6. Row	0,65
7. Row	

Measurement at

1. Row	23,10 m
2. Row	23,94 m
3. Row	24,78 m
4. Row	25,62 m
5. Row	26,46 m
6. Row	27,30 m
7. Row	28,14 m

BOX 5			5,69 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
28,56 - to - 34,25				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,8	97,5	97,5		
98,00		98,00	1. Row	30°
60,00		60,00	2. Row	65°
13,00	NI		3. Row	
22,00		22,00	4. Row	
94,00		94,00	5. Row	
96,00		96,00	6. Row	
95,00		95,00	7. Row	
90,00		90,00		

Magnetic Susceptibility

1. Row	1,68
2. Row	0,34
3. Row	0,92
4. Row	0,73
5. Row	0,88
6. Row	1,06
7. Row	

Measurement at

1. Row	28,97 m
2. Row	29,78 m
3. Row	30,59 m
4. Row	31,41 m
5. Row	32,22 m
6. Row	33,03 m
7. Row	33,84 m

BOX 6	5,86 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
34,25 - to - 40,11			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	98,6		
100,00		100,00	1. Row	
100,00		100,00	2. Row	
91,00		91,00	3. Row	
96,00		96,00	4. Row	25°
95,00		95,00	5. Row	
96,00		96,00	6. Row	
7,00			7. Row	

Magnetic Susceptibility

1. Row	1,27
2. Row	0,59
3. Row	0,53
4. Row	0,65
5. Row	0,82
6. Row	0,75
7. Row	

Measurement at

1. Row	34,67 m
2. Row	35,51 m
3. Row	36,34 m
4. Row	37,18 m
5. Row	38,02 m
6. Row	38,85 m
7. Row	39,69 m

BOX 7	5,98 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
40,11 - to - 46,09			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
96,2	96,2	96,2		
54,00		54,00	1. Row	45°
41,00		41,00	2. Row	40°
97,00		97,00	3. Row	40°
92,00		92,00	4. Row	
98,00		98,00	5. Row	
59,00		59,00	6. Row	30°
34,00		34,00	7. Row	
100,00		100,00		

Magnetic Susceptibility

1. Row	0,50
2. Row	0,87
3. Row	1,01
4. Row	0,70
5. Row	0,31
6. Row	0,35
7. Row	

Measurement at

1. Row	40,54 m
2. Row	41,39 m
3. Row	42,25 m
4. Row	43,10 m
5. Row	43,95 m
6. Row	44,81 m
7. Row	45,66 m

BOX 8			5,71 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
46,09 - to - 51,80				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
99,00		99,00	1. Row	20°
53,00		53,00	2. Row	25°
42,00		42,00	3. Row	
98,00		98,00	4. Row	
95,00		95,00	5. Row	40°
95,00		95,00	6. Row	
23,00		23,00	7. Row	
65,00		65,00		

Magnetic Susceptibility	
1. Row	0,70
2. Row	0,71
3. Row	0,77
4. Row	0,51
5. Row	0,52
6. Row	0,53
7. Row	

Measurement at	
1. Row	46,50 m
2. Row	47,31 m
3. Row	48,13 m
4. Row	48,95 m
5. Row	49,76 m
6. Row	50,58 m
7. Row	51,39 m

BOX 9			5,74 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
51,80 - to - 57,54				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
97,00		97,00	1. Row	45°
96,00		96,00	2. Row	50°
96,00		96,00	3. Row	
100,00		100,00	4. Row	20°
89,00		89,00	5. Row	40°
96,00		96,00	6. Row	
			7. Row	

Magnetic Susceptibility	
1. Row	0,45
2. Row	0,47
3. Row	1,04
4. Row	0,80
5. Row	1,11
6. Row	0,68
7. Row	

Measurement at	
1. Row	52,21 m
2. Row	53,03 m
3. Row	53,85 m
4. Row	54,67 m
5. Row	55,49 m
6. Row	56,31 m
7. Row	57,13 m

BOX 10	5,70 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
57,54 - to - 63,24				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
100,0	100,0	100,0
93,00	93,00	1. Row 60°
100,00	100,00	2. Row 22°
22,00	22,00	3. Row 70°
70,00	70,00	4. Row
96,00	96,00	5. Row
95,00	95,00	6. Row
39,00	39,00	7. Row
55,00	55,00	

Magnetic Susceptibility

1. Row	1,10
2. Row	1,56
3. Row	2,02
4. Row	5,18
5. Row	0,14
6. Row	0,31
7. Row	

Measurement at

1. Row	57,95 m
2. Row	58,76 m
3. Row	59,58 m
4. Row	60,39 m
5. Row	61,20 m
6. Row	62,02 m
7. Row	62,83 m

BOX 11	5,73 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
63,24 - to - 68,97				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
98,8	98,8	98,8
93,00	93,00	1. Row
95,00	95,00	2. Row 38°
95,00	95,00	3. Row
37,00	37,00	4. Row 35°
55,00	55,00	5. Row
97,00	97,00	6. Row 42°
94,00	94,00	7. Row

Magnetic Susceptibility

1. Row	0,12
2. Row	0,22
3. Row	0,11
4. Row	0,14
5. Row	0,13
6. Row	0,12
7. Row	

Measurement at

1. Row	63,65 m
2. Row	64,47 m
3. Row	65,29 m
4. Row	66,11 m
5. Row	66,92 m
6. Row	67,74 m
7. Row	68,56 m

BOX 12			5,79 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
68,97 - to - 74,76				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,5	99,5	RQD 99,5	Degrees from horizontal	
99,00		99,00	1. Row	35°
98,00		98,00	2. Row	32°
95,00		95,00	3. Row	38°
20,00		20,00	4. Row	40°
74,00		74,00	5. Row	40°
97,00		97,00	6. Row	
93,00		93,00	7. Row	

Magnetic Susceptibility	
1. Row	0,10
2. Row	0,14
3. Row	0,14
4. Row	0,16
5. Row	0,10
6. Row	0,18
7. Row	

Measurement at	
1. Row	69,38 m
2. Row	70,21 m
3. Row	71,04 m
4. Row	71,87 m
5. Row	72,69 m
6. Row	73,52 m
7. Row	74,35 m

BOX 13			5,93 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
74,76 - to - 80,69				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 98,5	98,5	RQD 97,3	Degrees from horizontal	
97,00		97,00	1. Row	
100,00		100,00	2. Row	45°
100,00		100,00	3. Row	60°
7,00			4. Row	65°
86,00		86,00	5. Row	60°
98,00		98,00	6. Row	65°
96,00		96,00	7. Row	

Magnetic Susceptibility	
1. Row	0,08
2. Row	0,20
3. Row	0,17
4. Row	0,18
5. Row	0,14
6. Row	0,29
7. Row	

Measurement at	
1. Row	75,18 m
2. Row	76,03 m
3. Row	76,88 m
4. Row	77,73 m
5. Row	78,57 m
6. Row	79,42 m
7. Row	80,27 m

BOX 14	5,57 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
80,69 - to - 86,26			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
95,00		95,00	1. Row	45°
96,00		96,00	2. Row	
73,00		73,00	3. Row	35°
20,00		20,00	4. Row	
92,00		92,00	5. Row	
91,00		91,00	6. Row	45°
90,00		90,00	7. Row	

Magnetic Susceptibility

1. Row	0,14
2. Row	0,12
3. Row	0,12
4. Row	0,24
5. Row	0,15
6. Row	0,25
7. Row	

Measurement at

1. Row	81,09 m
2. Row	81,88 m
3. Row	82,68 m
4. Row	83,48 m
5. Row	84,27 m
6. Row	85,07 m
7. Row	85,86 m

BOX 15	5,61 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
86,26 - to - 91,87			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
99,00		99,00	1. Row	
95,00		95,00	2. Row	60°
83,00		83,00	3. Row	60°
20,00		20,00	4. Row	
96,00		96,00	5. Row	
90,00		90,00	6. Row	60°
78,00		78,00	7. Row	

Magnetic Susceptibility

1. Row	0,27
2. Row	0,28
3. Row	1,12
4. Row	0,13
5. Row	0,05
6. Row	0,21
7. Row	

Measurement at

1. Row	86,66 m
2. Row	87,46 m
3. Row	88,26 m
4. Row	89,07 m
5. Row	89,87 m
6. Row	90,67 m
7. Row	91,47 m

Drill methode:	Core
Core:	TT46
Diameter:	35,6 mm
Length:	166 meter
Casing/Overburden	5,7 meter

BOX 16		5,88 m	EXCELLENT	
Date:		22 okt 06		DIP ANGLE
91,87 - to - 97,75				
RECOVERY				Fractures
Total	Solid	Modified		
[cm]	[cm]	[cm]		Foliation or bedding

REC		RQD	Degrees from horizontal
95,6	95,6	95,6	
100,00		100,00	1. Row 45°
97,00		97,00	2. Row
94,00		94,00	3. Row
13,00		13,00	4. Row
79,00		79,00	5. Row
100,00		100,00	6. Row
79,00		79,00	7. Row

Magnetic Susceptibility

1. Row	0,08
2. Row	0,20
3. Row	0,15
4. Row	0,12
5. Row	0,13
6. Row	0,18
7. Row	

Measurement at

1. Row	92,29 m
2. Row	93,13 m
3. Row	93,97 m
4. Row	94,81 m
5. Row	95,65 m
6. Row	96,49 m
7. Row	97,33 m

BOX 17			5,82 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
97,75 - to - 103,57			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		
REC 98,3	98,3	RQD 98,3		
97,00		97,00	1. Row	45°
74,00		74,00	2. Row	35°
18,00		18,00	3. Row	
99,00		99,00	4. Row	35°
100,00		100,00	5. Row	35°
92,00		92,00	6. Row	35°
37,00		37,00	7. Row	
55,00		55,00		

Magnetic Susceptibility	
1. Row	0,19
2. Row	0,22
3. Row	0,19
4. Row	0,22
5. Row	0,23
6. Row	0,16
7. Row	

Measurement at	
1. Row	98,17 m
2. Row	99,00 m
3. Row	99,83 m
4. Row	100,66 m
5. Row	101,49 m
6. Row	102,32 m
7. Row	103,15 m

BOX 18			5,63 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
103,57 - to - 109,20			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		
REC 99,3	99,3	RQD 99,3	Degrees from horizontal	
92,00		92,00	1. Row	35°
96,00		96,00	2. Row	
99,00		99,00	3. Row	
79,00		79,00	4. Row	
11,00		11,00	5. Row	
92,00		92,00	6. Row	40°
90,00		90,00	7. Row	

Magnetic Susceptibility	
1. Row	0,22
2. Row	0,18
3. Row	0,12
4. Row	0,14
5. Row	0,16
6. Row	0,14
7. Row	

Measurement at	
1. Row	103,97 m
2. Row	104,78 m
3. Row	105,58 m
4. Row	106,39 m
5. Row	107,19 m
6. Row	107,99 m
7. Row	108,80 m

BOX 19			5,80 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
109,20 - to - 115,00			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
97,2	92,9	92,9		
96,00		96,00	1. Row	
98,00		98,00	2. Row	45°
60,00		60,00	3. Row	
25,00	NI		4. Row	18°
97,00		97,00	5. Row	
29,00		29,00	6. Row	25°
67,00		67,00	7. Row	
42,00		42,00		
50,00		50,00		

Magnetic Susceptibility	
1. Row	0,18
2. Row	0,18
3. Row	0,22
4. Row	0,08
5. Row	0,18
6. Row	0,12
7. Row	

Measurement at	
1. Row	109,61 m
2. Row	110,44 m
3. Row	111,27 m
4. Row	112,10 m
5. Row	112,93 m
6. Row	113,76 m
7. Row	114,59 m

BOX 20			5,73 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
115,00 - to - 120,73			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
97,9	97,9	97,9		
98,00		98,00	1. Row	
96,00		96,00	2. Row	
29,00		29,00	3. Row	70°
63,00		63,00	4. Row	70°
95,00		95,00	5. Row	
90,00		90,00	6. Row	26°
18,00		18,00	7. Row	
72,00		72,00		

Magnetic Susceptibility	
1. Row	0,02
2. Row	0,26
3. Row	0,20
4. Row	0,30
5. Row	0,29
6. Row	0,28
7. Row	

Measurement at	
1. Row	115,41 m
2. Row	116,23 m
3. Row	117,05 m
4. Row	117,87 m
5. Row	118,68 m
6. Row	119,50 m
7. Row	120,32 m

BOX 21	5,76 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
120,73 - to - 126,49			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
97,0	97,0	97,0		
91,00		91,00	1. Row	
97,00		97,00	2. Row	65°
75,00		75,00	3. Row	25°
8,00		8,00	4. Row	
97,00		97,00	5. Row	
96,00		96,00	6. Row	70°
95,00		95,00	7. Row	

Magnetic Susceptibility	
1. Row	0,25
2. Row	0,27
3. Row	0,53
4. Row	0,27
5. Row	0,17
6. Row	0,23
7. Row	

Measurement at	
1. Row	121,14 m
2. Row	121,96 m
3. Row	122,79 m
4. Row	123,61 m
5. Row	124,43 m
6. Row	125,26 m
7. Row	126,08 m

BOX 22	6,12 m	GOOD
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Date: 22 okt 06			DIP ANGLE	
126,49 - to - 132,61			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
91,7	87,3	85,0		
14,00	NI		1. Row	30°
77,00		77,00	2. Row	35°
39,00		39,00	3. Row	15°
13,00	NI		4. Row	
25,00		25,00	5. Row	
23,00		23,00	6. Row	
30,00		30,00	7. Row	

Magnetic Susceptibility	
1. Row	0,40
2. Row	0,51
3. Row	0,86
4. Row	0,83
5. Row	1,50
6. Row	1,76
7. Row	

Measurement at	
1. Row	126,93 m
2. Row	127,80 m
3. Row	128,68 m
4. Row	129,55 m
5. Row	130,42 m
6. Row	131,30 m
7. Row	132,17 m

BOX 23	5,69 m	EXCELLENT
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Date: 22 okt 06	DIP ANGLE
132,61 - to - 138,30	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
92,0	92,0	90,9	
99,00		99,00	1. Row 45°
97,00		97,00	2. Row 40°
95,00		95,00	3. Row
98,00		98,00	4. Row
0,50			5. Row 50°
30,00		30,00	6. Row
6,00			7. Row
98,00		98,00	

Magnetic Susceptibility

1. Row	1,06
2. Row	0,81
3. Row	0,42
4. Row	0,22
5. Row	0,55
6. Row	0,50
7. Row	

Measurement at

1. Row	133,02 m
2. Row	133,83 m
3. Row	134,64 m
4. Row	135,46 m
5. Row	136,27 m
6. Row	137,08 m
7. Row	137,89 m

BOX 24	5,75 m	EXCELLENT
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Date: 22 okt 06	DIP ANGLE
138,30 - to - 144,05	
RECOVERY	
Total	Solid
[cm]	[cm]
Modified	
[cm]	
	Fractures
	Foliation or bedding

REC		RQD	Degrees from horizontal
98,8	98,8	98,8	
98,00		98,00	1. Row
91,00		91,00	2. Row 35°
93,00		93,00	3. Row
95,00		95,00	4. Row 45°
97,00		97,00	5. Row
11,00			6. Row
83,00		83,00	7. Row

Magnetic Susceptibility

1. Row	0,55
2. Row	0,66
3. Row	0,26
4. Row	0,49
5. Row	0,45
6. Row	0,39
7. Row	

Measurement at

1. Row	138,71 m
2. Row	139,53 m
3. Row	140,35 m
4. Row	141,18 m
5. Row	142,00 m
6. Row	142,82 m
7. Row	143,64 m

BOX 25			2,25 m	EXCELLENT	
Date: 22 okt 06			DIP ANGLE		
144,05 - to - 146,30			Fractures	Foliation or bedding	
RECOVERY					
Total [cm]	Solid [cm]	Modified [cm]			

REC		RQD	Degrees from horizontal	
98,2	98,2	98,2		
98,00		98,00	1. Row	60°
96,00		96,00	2. Row	45°
27,00		27,00	3. Row	
			4. Row	
			5. Row	
			6. Row	
			7. Row	

Magnetic Susceptibility	
1. Row	0,43
2. Row	0,38
3. Row	0,47
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	144,21 m
2. Row	144,53 m
3. Row	144,85 m
4. Row	145,18 m
5. Row	145,50 m
6. Row	145,82 m
7. Row	146,14 m

BOX 26			5,60 m	EXCELLENT
Date: 22 okt 06			DIP ANGLE	
146,30 - to - 151,90			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
96,00		96,00	1. Row	45°
91,00		91,00	2. Row	45°
97,00		97,00	3. Row	30°
34,00		34,00	4. Row	35°
61,00		61,00	5. Row	
96,00		96,00	6. Row	30°
85,00		85,00	7. Row	

Magnetic Susceptibility	
1. Row	0,73
2. Row	0,72
3. Row	0,54
4. Row	0,53
5. Row	0,69
6. Row	0,61
7. Row	

Measurement at	
1. Row	146,70 m
2. Row	147,50 m
3. Row	148,30 m
4. Row	149,10 m
5. Row	149,90 m
6. Row	150,70 m
7. Row	151,50 m

BOX 27	5,69 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
151,90 - to - 157,59			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,1	99,1	99,1		
96,00		96,00	1. Row	35°
94,00		94,00	2. Row	
98,00		98,00	3. Row	90°
41,00		41,00	4. Row	45°
51,00		51,00	5. Row	40°
76,00		76,00	6. Row	40°
15,00		15,00	7. Row	
93,00		93,00		

Magnetic Susceptibility

1. Row	0,63
2. Row	0,58
3. Row	0,60
4. Row	0,57
5. Row	0,38
6. Row	0,35
7. Row	

Measurement at

1. Row	152,31 m
2. Row	153,12 m
3. Row	153,93 m
4. Row	154,75 m
5. Row	155,56 m
6. Row	156,37 m
7. Row	157,18 m

BOX 28	2,51 m	EXCELLENT
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Date: 22 okt 06			DIP ANGLE	
157,59 - to - 160,10			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,8	98,8	98,8		
97,00		97,00	1. Row	
93,00		93,00	2. Row	45°
58,00		58,00	3. Row	40°
			4. Row	
			5. Row	
			6. Row	
			7. Row	

Magnetic Susceptibility

1. Row	0,67
2. Row	0,47
3. Row	0,56
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at

1. Row	157,77 m
2. Row	158,13 m
3. Row	158,49 m
4. Row	158,85 m
5. Row	159,20 m
6. Row	159,56 m
7. Row	159,92 m

BOX 29			5,60 m	EXCELLENT	
Date: 22 okt 06			DIP ANGLE		
160,10 - to - 165,70			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC	RQD		Degrees from horizontal	
100,0	100,0	98,6		
99,00		99,00	1. Row	45°
93,00		93,00	2. Row	20°
79,00		79,00	3. Row	40°
14,00		14,00	4. Row	
4,00			5. Row	40°
4,00			6. Row	50°
97,00		97,00	7. Row	
95,00		95,00		
75,00		75,00		

Magnetic Susceptibility	
1. Row	0,49
2. Row	0,71
3. Row	0,40
4. Row	0,62
5. Row	0,69
6. Row	0,78
7. Row	

Measurement at	
1. Row	160,50 m
2. Row	161,30 m
3. Row	162,10 m
4. Row	162,90 m
5. Row	163,70 m
6. Row	164,50 m
7. Row	165,30 m

BOX 30			0,00 m	#DIV/0!
Date: - to -			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
			1. Row	
			2. Row	
			3. Row	
			4. Row	
			5. Row	
			6. Row	
			7. Row	

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

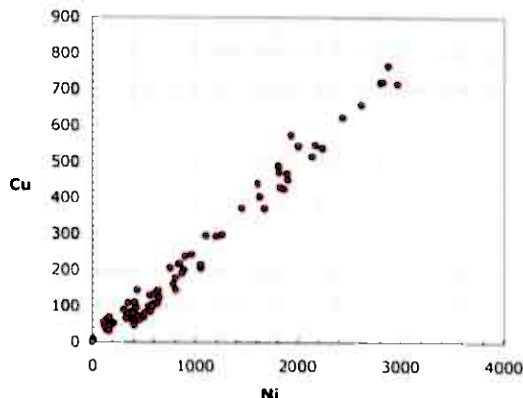
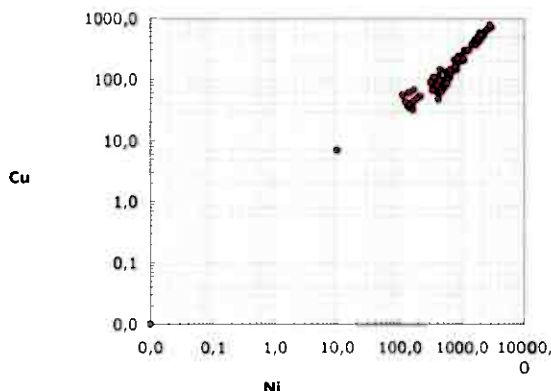
Measurement at	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

YEAR	2007	Info of Borehole				SH
Ballangen DDH-07 SH-007						
Drill Date:	11. Sep					
HOLE ID:	SH-007					
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen	
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface diamond Drill	
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm	
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	153,80 meter	
Bearing:	325°	Logged date:	3. januar 2008	Average REC/RQD:	97,8 pct. / 96,2 pct.	
Dip:	-50°	Survey date:	-	by:	-	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				Casing/overburden: 8,1 meter	
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						

COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006

SULPHIDES	ALTERATION	Recovery	Dip	GEOCHEMISTRY					Mag. Susc. 10 ⁻³ SI
Po. Pn. Cp. Gph. X. Quartz	Grt. Bt. Tr. Phl. Serp.	pct.	angle degree	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimute	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

- A - AMPH - Amphibolite
- B - MGN - Gneiss
- C - NO - Norite
- D - ONO - Olivinenorite
- E - OPX - Olivinepyroxenite
- F - CPX - Olivinepyroxenite
- G - PRD - Peridotite
- H - PX - Pyroxenite
- I - Pegmatite/felsic dykes
- eah - End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	952,73	228,45
- Median	617,50	131,00
- Minimum	10,00	7,00
- Maximum	2970,00	765,00
- Standard Deviation	797,24	207,94
- Numbers	80,00	80,00
- Curtosis	-0,08	-0,06
- Skewness	1,01	1,07
- Variance	635597	43238
- Detection Limit	10,00	7,00

SULPHIDES

- 1. - Pyrrhotite Po.
- 2. - Pentlandite Pn.
- 3. - Chalcopyrite Cp.
- 4. - Graphite Gph.
- 5. - X X.

ALTERATION

- 6. - Garnet Grt.
- 7. - Biotite Bt.
- 8. - Tremolite Tr.
- 9. - Phlogopite Phl.
- 10. - Serpentine Serp.

GEOCHEMISTRY

- 11. - Nickel Ni [ppm]
- 12. - Copper Cu [ppm]
- 13. - Iron Fe [pct]
- 14. - Gold Au [ppb]
- 15. - Cobalt Co [ppm]

MAGNETIC SUSCEPTIBILITY

- 16. - Magnetic Susceptibility Mag. Susc. 10⁻³ SI MS

ROSE DIAGRAM

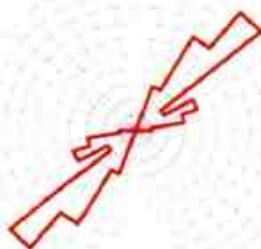
2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

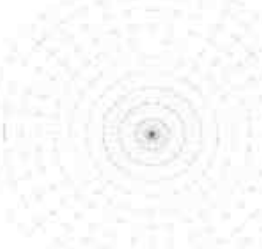
- Calculation Methode Frequency
- Class Interval 10°
- Data Type Bidirectional
- Population 30
- Mean 48,07°
- Standard Deviation 15,85°
- Maximum Petal 16,67 pct.
- Standard Deviation Petal 3,6 pct

FOLIATION OR BEDDING

- Calculation Methode
- Class Interval
- Data Type
- Population
- Mean
- Standard Deviation
- Maximum Petal
- Standard Deviation Petal



FRACTURES



FOLIATION OR BEDDING

YEAR		2007		Log of Borehole										SH										
Drill Date:		11. Sep		Ballangen DDH-07 SH-007																				
HOLE ID:		SH-007		Location:		Rånåsen		Project manager:		Søren Lund Jensen														
Project:		Ballangen		Elevation:		495 meter (asl)		Drill method:		Surface diamond Drill														
Northing:		7583359		Geologist:		Mikkel Vognsen		Core:		BQ TK60/40.7 Diameter: 40,7 mm														
Easting:		584250		Logged by:		Mikkel Vognsen		Length:		153,80 meter														
Datum:		WGS84		Logged date:		3. januar 2008		Average REC/RQD:		97,8 pct. / 96,2 pct.														
Bearing:		325°		Survey date:				Casing/overburden:		8,1 meter														
Dip:		-50°		by:																				
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																								
Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI	
		Description			Py.	Ph.	Cp.	Gph.	X.		Gr.	Bl.	Tr.					Ph.	Serp.	Ni (ppm)	Cu (ppm)	Fe (pct)		Au (ppb)
35		mafic norite unite - likely to be a large dyke - is showing weak but consistent mineral orientation. Typically defined by elongated pl laths and cpx grains. The ONO becomes progressively more mafic towards the bottom. Smaller intervals may have a UM composition. These domains may be remnants/ghost fragments of dissolved PRD fragments in the dyke. the ONO is mineralised i.e. fgrd disseminated sulphides interstitial to silicates in larger sections.		233463						10							751	206	9			107		
											2													
												2												
												2												
36				233464						2							559	130	8			94		
37										2												BOX 6		
38				233465						3							1100	295	9			123		
39										3														
40				233466						6							1810	488	10			170		
41										6														
42				233467						6							1450	371	9			153		
43										6												BOX 7		
44				233468						1							344	80	7			79		
45		44 to 54.6m Alteration! Section dominated by assimilated quartz country rock (mso-bl-qtz rock with minor tr? Bl may be introduced by the heavy alteration of adjacent mafic rocks.) interfingered by altered mafic rock intervals. The alteration mineral assemblages display pronounced preferred mineral orientation.								10			10	15	25									
											10			10	15	25								
											10			10	15	25								
											10			10	15	25								
46				233469						10			10	15	25		410	110	6			71		
47										10			10	15	25									
48				233470						10			10	15	25		807	145	7			101		
49										10			10	15	25							BOX 8		
50				233471						10			10	15	25		1050	206	7			112		
										10			10	15	25									
										10			10	15	25									

YEAR		2007		Log of Borehole		SH	
Drill Date:		11. Sep		Ballangen DDH-07 SH-007			
HOLE ID:		SH-007					
Project:	Ballangen	Location:	Rainbogen	Project manager:	Soren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface diamond Drill		
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	153,80 meter		
Bearing:	325°	Logged date:	3. januar 2008	Average REC/RQD:	97,8 pct. / 96,2 pct.		
Dip:	-50°	Survey date:	-	by:	Casing/overburden:	8,1 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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[illegible]

BỘ X 10

BOX 1:

YEAR	2007		Log of Borehole		SH	
Drill Date:	11. Sep		Ballangen DDH-07 SH-007			
HOLE ID:	SH-007					
Project:	Ballangen	Location:	Rånbogen		Project manager:	Søren Lund Jensen
Northing:	7583359	Elevation:	495 meter (asl)		Drill method:	Surface diamond Drill
Easting:	584250	Geologist:	Mikkel Vognsen		Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen		Length:	153,80 meter
Bearing:	325°	Logged date:	3. januar 2008		Average REC/RQD:	97,8 pct. / 96,2 pct.
Dip:	-50°	Survey date:			Casing/overburden:	8,1 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					

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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Bl	Tr	Pl	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
86				233490						6 4 6 4 6 4 6								1900	467	11		213	
				233491						6 4 6 4 6								2440	622	12		254	
87	I E	86,8-87,0m: Grt-bearing felsic qtz vein.		233492						6 4	25							1870	425	12		209	
	I E	87,4-87,5m: Grt-bearing felsic qtz vein.								4	25												
88				233493						4 6 4 6 4 6								2170	546	11		221	
89				233494						4 6 4 6 4 6								2810	719	13		279	
90				233495						6 4 6 4 6 4 6								2830	721	13		281	BOX 15
91				233496						4 6 4 6 4 6								2970	715	12		290	
92				233497						6 4 6 4 6								2620	658	12		265	
93				233498						4 6 4 6 4 6								1680	370	13		211	
94				233499						6 4 6 4 6								2880	765	12		282	
95	I E	94,6-94,8m: Felsic norite vein with magmatic foliation. No alteration.		233500						6 4 6 4 6								1910	450	11		208	BOX 16
96				233501						4 6 4 6 4 6 4 6								1050	215	9		140	
97										6 4 6 4 6 4 6													
98				233502						6 4 6 4 6 4 6								1830	430	10		187	
99										6 4 6 4 6 4 6													
100	O	101,1-106,2m: ONOI Mafic norite with magmatic banding. Late epigenetic pyrite coating on fracture planes common. Sharp intrusive contacts. Few larger cpx (1-10mm) grains. No poikiloblasts. No alteration.		233503						6 4 6 4 6 4 6								1820	487	10		180	BOX 17
101										4 6 4 6 4 6 4 6 3													

BOX 15

BOX 16

BOX 17

YEAR2007

Drill Date:11. Sep

HOLE ID:SH-007

Project:Ballangen

Northing:7583359

Easting:584250

Datum:WGS84

Bearing:325°

Dip:-50°

Contractor:Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-07 SH-007

SH

Location:Rinbøgen

Elevation:495 meter (asl)

Geologist:Mikkel Vognsen

Logged by:Mikkel Vognsen

Logged date:3. januar 2008

Survey date:

Project manager:Søren Lund Jensen

Drill method:Surface diamond Drill

Core:BQ TK60/40.7

Diameter:40,7 mm

Length:153,80 meter

Average REC/RQD:97,8 pct. / 96,2 pct.

Casing/overburden:8,1 meter

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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁶
		Description			Fe	Pn	Cp	Gph	X		Grt	Bl	Tr	Phl	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
102				233504						3							1940	573	10		189		
103										3													
104				233505						3							2010	543	10		194		
105										3													
106				233506						3							783	161	9		112		
107	I E	106,2-106,8m: NOI Cgrd bi-bearing nortite dyke. Minor alteration of adjacent rock. Talc and carbonate formation.								2												BOX 18	
108		106,8-109,0m: OPX: Mdgrd (1-3mm) homogeneously rock unit. Minor sulphide dissemination. Alteration of the PX grains forming tremolite? Gives the rock a pinkish colouration.								2			10										
109	D	109,0-113,5m: ONOI: Ol-cpx rich nortite. Dyke! Sharp intrusive contacts. Smaller sections are dominated by a pyroxenitic composition <10cm.								2			10				546	100	8		100		
110				233508						2			10										
111	I D	111,0m: Quartz vein. Alteration of adjacent rock.								2			10										
112	I D	111,0m: Quartz vein. Alteration of adjacent rock.								2			10										
113				233509						2			10									BOX 19	
114	F	113,5-117,0m: CPX: Pyroxenite with minor pl. Tremolite rich lower part.								tr													
115				233510						tr							563	85	8		97		
116										tr													
117	D	115,3-115,5m: Alteration! Qtz-lumbs rimmed by serp-bt.								tr			5		10								
118				233511						tr			10				426	96	7		88		
119										tr			10										
120										tr			10										
121										tr			1										
122				233512						tr							212	53	7		77	BOX 20	
123	F	118,9-120,5m: CPX: Semialtered pyroxenite.											10										

YEAR2007

Drill Date:11. Sep

HOLE ID:SH-007

Project:Ballangen

Northing:7583359

Easting:584250

Datum:WGS84

Bearing:325°

Dip:-50°

Contractor:Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-07 SH-007

Project manager:Søren Lund Jensen

Drill method:Surface diamond Drill

Core:BQ TK60/40.7

Diameter:40,7 mm

Length:153,80 meter

Average REC/RQD:97,8 pct. / 96,2 pct.

Casing/overburden:8,1 meter

Location:Ranbogen

Elevation:495 meter [asl]

Geologist:Mikkel Vognsen

Logged by:Mikkel Vognsen

Survey date:3. januar 2008

by:

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Depth	Lithology	SUBSURFACE		Sample no. ½	Sulphides				Quartz	Alteration			Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Ph.	Cp.	Gph.		X	Grt	Pl.			Tre.	Phi.	Serp.	Ni [ppm]	Cu [ppm]	
+120		Continuation of CPX unit from 113,5-117,0m.																		
120				233513												309	89	7		81
	D	120,5-122,4m: ONOI																		
121		121,0m: 5cm interval with frgd disseminated sulphides							2											
		121,3m: Alteration! Carboante in felsic vein, rimmed by phl.																		
122				233514												435	144	8		97
	F	122,4-126,3m: CPXI Pyroxenite with minor pl (<10%) Relative homogeneous texture. Sharp upper and lower contacts.no or only minor traces of sulphide. Phl accessoric. Due to irregular felsic veining from 124,6-125,0m, the CPX appear																		
124				233515												348	108	8		85
125												4 4								
												4 4								
126				233516												395	80	9		95
	D	126,3-128,1m: ONOI Mgrd (1-3mm) mafic norite with weak but consistent magmatic foliation. Sharp upper and lower contacts/boundaries. No sulphides.																		
128				233517												140	61	6		62
	C	128,1-131,0m: NOI Felsic norite dyke. Pronounced magmatic foliation. Mdgrd rock with minor bt present.																		
130				233518												167	68	5		64
131		130,9m: 2cm wide massive sulphide vein cutting drill core. Minor netveining							25											
	F	131,0-131,3m: CPXI Sharp contacts.																		
	C	131,3-131,9m: NOI																		
132				233519												145	35	6		61
	F	131,9-132,1m: CPXI																		
	C	132,1-137,2m: NOI Felsic norite with pronounced magmatic foliation mgrd 2-4mm grainsize. Slightly bigger grainsize compared with the NO 128,1-131,0m. Several dykes.																		
134				233520												154	35	6		65
135																				

BOX 21

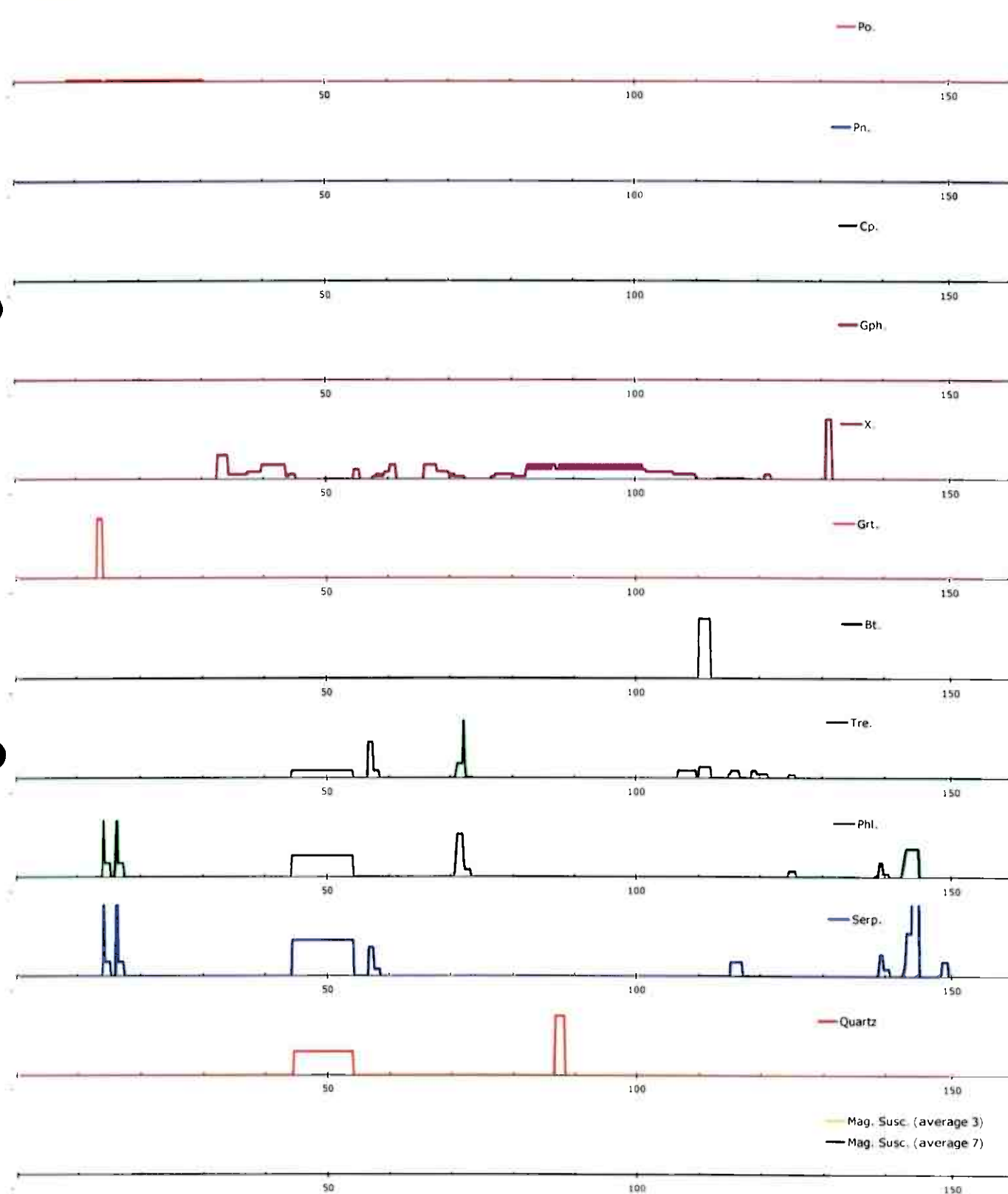
BOX 21

BOX 21

YEAR		2007		Log of Borehole		SH	
Drill Date:		11. Sep		Ballangen DDH-07 SH-007			
HOLE ID:		SH-007					
Project:	Ballangen	Location:	Rainbogen	Project manager:	Søren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface diamond Drill		
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	153,80 meter		
Bearing:	325°	Logged date:	3. januar 2008	Average REC/RQD:	97,8 pct. / 96,2 pct.		
Dip:	-50°	Survey date:		by:		Casing/overburden:	8,1 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautøkeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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[illegible]

YEAR		2007		Log of Borehole		SH	
Drill Date:		11 September		Ballangen DDH-07 SH-007			
HOLE ID:		SH-007					
Project:		Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen	
Northing:		7583359	Elevation:	495 meter [asl]	Drill method:	Surface diamond Drill	
Easting:		584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter: 40,7 mm
Datum:		WGS84	Logged by:	Mikkel Vognsen	Length:	153,80 meter	
Bearing:		325°	Logged date:	3. januar 2008	Average REC/RQD:	97,8 pct. / 96,2 pct.	
Dip:		-50°	Survey date:	-	by:	Casing/overburden:	8,1 meter
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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Drill methode: rface diamond D
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 154 meter
Casing/Overburden 8,1 meter

BOX 1			5,34 m	GOOD
Date:			DIP ANGLE	
8,14 - to - 13,48			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	93,1	89,1		
14,00		14,00	1. Row	
31,00		31,00	2. Row	
13,00	NI		3. Row	
20,00	NI		4. Row	
26,00		26,00	5. Row	
8,00			6. Row	80°
24,00		24,00	7. Row	
3,00	NI			
34,00		34,00		
32,00		32,00		
8,00				
53,00		53,00		
5,00				
48,00		48,00	1. Row	
20,00		20,00	2. Row	
20,00		20,00	3. Row	
96,00		96,00	4. Row	
30,00		30,00	5. Row	
48,00		48,00	6. Row	
			7. Row	

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	8,52 m
2. Row	9,28 m
3. Row	10,05 m
4. Row	10,81 m
5. Row	11,57 m
6. Row	12,34 m
7. Row	13,10 m

BOX 2	5,52 m	EXCELLENT
--------------	--------	------------------

Date:			DIP ANGLE	
13,48 - to - 19,00			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,8	98,2	91,8	
21,00		21,00	1. Row
7,00			2. Row 65°
9,00	NI		3. Row 70°
31,00		31,00	4. Row
7,00			5. Row
3,00			6. Row
5,00			7. Row
8,00			
98,00		98,00	
69,00		69,00	
18,00		18,00	
100,00		100,00	
90,00		90,00	
80,00		80,00	
5,00			

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 13,87 m
2. Row 14,66 m
3. Row 15,45 m
4. Row 16,24 m
5. Row 17,03 m
6. Row 17,82 m
7. Row 18,61 m

BOX 3	5,84 m	EXCELLENT
--------------	--------	------------------

Date:			DIP ANGLE	
19,00 - to - 24,84			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,7	99,7	99,7	
92,00		92,00	1. Row 77°
97,00		97,00	2. Row
99,00		99,00	3. Row
98,00		98,00	4. Row
98,00		98,00	5. Row
98,00		98,00	6. Row
			7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 19,42 m
2. Row 20,25 m
3. Row 21,09 m
4. Row 21,92 m
5. Row 22,75 m
6. Row 23,59 m
7. Row 24,42 m

BOX 4 5,72 m **EXCELLENT**

Date:			DIP ANGLE	
24,84 - to - 30,56			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,8	99,8	99,8	
40,00		40,00	1. Row
53,00		53,00	2. Row
98,00		98,00	3. Row
100,00		100,00	4. Row
55,00		55,00	5. Row
37,00		37,00	6. Row
98,00		98,00	7. Row
90,00		90,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 25,25 m |
| 2. Row | 26,07 m |
| 3. Row | 26,88 m |
| 4. Row | 27,70 m |
| 5. Row | 28,52 m |
| 6. Row | 29,33 m |
| 7. Row | 30,15 m |

BOX 5 5,92 m **EXCELLENT**

Date:			DIP ANGLE	
30,56 - to - 36,48			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
97,3	96,1	96,1	
21,00		21,00	1. Row
7,00	NI		2. Row
67,00		67,00	3. Row
97,00		97,00	4. Row
99,00		99,00	5. Row
34,00		34,00	6. Row 28°
61,00		61,00	7. Row
94,00		94,00	
96,00		96,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 30,98 m |
| 2. Row | 31,83 m |
| 3. Row | 32,67 m |
| 4. Row | 33,52 m |
| 5. Row | 34,37 m |
| 6. Row | 35,21 m |
| 7. Row | 36,06 m |

BOX 6			5,89 m	EXCELLENT
Date:			DIP ANGLE	
36,48 - to - 42,37			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
97,6	97,6	96,4	
7,00			1. Row
86,00		86,00	2. Row
98,00		98,00	3. Row
95,00		95,00	4. Row
22,00		22,00	5. Row
75,00		75,00	6. Row
97,00		97,00	7. Row
95,00		95,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 36,90 m |
| 2. Row | 37,74 m |
| 3. Row | 38,58 m |
| 4. Row | 39,43 m |
| 5. Row | 40,27 m |
| 6. Row | 41,11 m |
| 7. Row | 41,95 m |

BOX 7			6,16 m	EXCELLENT
Date:			DIP ANGLE	
42,37 - to - 48,53			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
93,8	93,8	93,8	
14,00		14,00	1. Row
81,00		81,00	2. Row
99,00		99,00	3. Row 48°
95,00		95,00	4. Row
12,00		12,00	5. Row
82,00		82,00	6. Row
99,00		99,00	7. Row
42,00		42,00	
54,00		54,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 42,81 m |
| 2. Row | 43,69 m |
| 3. Row | 44,57 m |
| 4. Row | 45,45 m |
| 5. Row | 46,33 m |
| 6. Row | 47,21 m |
| 7. Row | 48,09 m |

BOX 8			5,99 m	EXCELLENT
Date:			DIP ANGLE	
48,53 - to - 54,52				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
95,7	94,7	94,2		
98,00		98,00	1. Row	
98,00		98,00	2. Row	
39,00		39,00	3. Row	
56,00		56,00	4. Row	
87,00		87,00	5. Row	
6,00	NI		6. Row	
3,00			7. Row	
97,00		97,00		
38,00		38,00		
51,00		51,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 48,96 m
2. Row 49,81 m
3. Row 50,67 m
4. Row 51,53 m
5. Row 52,38 m
6. Row 53,24 m
7. Row 54,09 m

BOX 9			5,56 m	EXCELLENT
Date:			DIP ANGLE	
54,52 - to - 60,08				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
92,00		92,00	1. Row	45°
98,00		98,00	2. Row	
67,00		67,00	3. Row	
25,00		25,00	4. Row	46°
96,00		96,00	5. Row	
95,00		95,00	6. Row	48°
70,00		70,00	7. Row	
12,00		12,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 54,92 m
2. Row 55,71 m
3. Row 56,51 m
4. Row 57,30 m
5. Row 58,09 m
6. Row 58,89 m
7. Row 59,68 m

BOX 10	5,82 m	EXCELLENT
---------------	--------	------------------

Date:			DIP ANGLE	
60,08 - to - 65,90			Fractures	Foliation or Bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,7	99,7	99,7		
98,00		98,00	1. Row	
94,00		94,00	2. Row	
94,00		94,00	3. Row	37°
98,00		98,00	4. Row	
98,00		98,00	5. Row	
98,00		98,00	6. Row	
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 60,50 m
2. Row 61,33 m
3. Row 62,16 m
4. Row 62,99 m
5. Row 63,82 m
6. Row 64,65 m
7. Row 65,48 m

BOX 11	5,90 m	EXCELLENT
---------------	--------	------------------

Date:			DIP ANGLE	
65,90 - to - 71,80			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,0	95,6	95,6		
97,00		97,00	1. Row	
97,00		97,00	2. Row	
80,00		80,00	3. Row	32°
14,00	NI		4. Row	
98,00		98,00	5. Row	38°
96,00		96,00	6. Row	
96,00		96,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 66,32 m
2. Row 67,16 m
3. Row 68,01 m
4. Row 68,85 m
5. Row 69,69 m
6. Row 70,54 m
7. Row 71,38 m

BOX 12	5,75 m	EXCELLENT
---------------	--------	------------------

Date:			DIP ANGLE	
71,80 - to - 77,55			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	100,0		
12,00		12,00	1. Row	76°
86,00		86,00	2. Row	
100,00		100,00	3. Row	
99,00		99,00	4. Row	
28,00		28,00	5. Row	
64,00		64,00	6. Row	32°
95,00		95,00	7. Row	
21,00		21,00		
70,00		70,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 72,21 m |
| 2. Row | 73,03 m |
| 3. Row | 73,85 m |
| 4. Row | 74,68 m |
| 5. Row | 75,50 m |
| 6. Row | 76,32 m |
| 7. Row | 77,14 m |

BOX 13	5,75 m	EXCELLENT
---------------	--------	------------------

Date:			DIP ANGLE	
77,55 - to - 83,30			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
99,5	99,5	99,5		
99,00		99,00	1. Row	
96,00		96,00	2. Row	
93,00		93,00	3. Row	
98,00		98,00	4. Row	
92,00		92,00	5. Row	
10,00		10,00	6. Row	
84,00		84,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 77,96 m |
| 2. Row | 78,78 m |
| 3. Row | 79,60 m |
| 4. Row | 80,43 m |
| 5. Row | 81,25 m |
| 6. Row | 82,07 m |
| 7. Row | 82,89 m |

BOX 14	6,10 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE	
83,30 - to - 89,40			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
94,6	94,6	92,5		
95,00		95,00	1. Row	45°
97,00		97,00	2. Row	
8,00			3. Row	
90,00		90,00	4. Row	
100,00		100,00	5. Row	
96,00		96,00	6. Row	
5,00			7. Row	
86,00		86,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 83,74 m
2. Row 84,61 m
3. Row 85,48 m
4. Row 86,35 m
5. Row 87,22 m
6. Row 88,09 m
7. Row 88,96 m

BOX 15	5,85 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE	
89,40 - to - 95,25			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
96,00		96,00	1. Row	
100,00		100,00	2. Row	48°
11,00		11,00	3. Row	
85,00		85,00	4. Row	46°
98,00		98,00	5. Row	
98,00		98,00	6. Row	
12,00		12,00	7. Row	
85,00		85,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 89,82 m
2. Row 90,65 m
3. Row 91,49 m
4. Row 92,33 m
5. Row 93,16 m
6. Row 94,00 m
7. Row 94,83 m

Drill methode: rface diamond D
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 154 meter
Casing/Overburden 8,1 meter

BOX 16 5,25 m **EXCELLENT**

Date:			DIP ANGLE	
95,25 - to - 100,50			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 100,0	97,9	RQD 97,9	Degrees from horizontal	
90,00		90,00	1. Row	
70,00		70,00	2. Row	
11,00	NI		3. Row	
92,00		92,00	4. Row	
92,00		92,00	5. Row	
90,00		90,00	6. Row	33°
10,00		10,00	7. Row	
70,00		70,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 95,63 m |
| 2. Row | 96,38 m |
| 3. Row | 97,13 m |
| 4. Row | 97,88 m |
| 5. Row | 98,63 m |
| 6. Row | 99,38 m |
| 7. Row | 100,13 m |

BOX 17	5,90 m	EXCELLENT
---------------	--------	------------------

Date: 100,50 - to - 106,40			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
98,8	98,8	98,8	
97,00		97,00	1. Row
100,00		100,00	2. Row
96,00		96,00	3. Row
97,00		97,00	4. Row
97,00		97,00	5. Row
71,00		71,00	6. Row
25,00		25,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 100,92 m
2. Row 101,76 m
3. Row 102,61 m
4. Row 103,45 m
5. Row 104,29 m
6. Row 105,14 m
7. Row 105,98 m

BOX 18	5,70 m	EXCELLENT
---------------	--------	------------------

Date: 106,40 - to - 112,10			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
100,0	100,0	100,0	
97,00		97,00	1. Row
100,00		100,00	2. Row 45°
82,00		82,00	3. Row
12,00		12,00	4. Row
94,00		94,00	5. Row
95,00		95,00	6. Row
90,00		90,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 106,81 m
2. Row 107,62 m
3. Row 108,44 m
4. Row 109,25 m
5. Row 110,06 m
6. Row 110,88 m
7. Row 111,69 m

BOX 19	5,60 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE	
112,10 - to - 117,70			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
100,0	99,3	99,3	
11,00		11,00	1. Row
82,00		82,00	2. Row
97,00		97,00	3. Row 42°
71,00		71,00	4. Row
4,00	NI		5. Row 38°
24,00		24,00	6. Row 35°
32,00		32,00	7. Row
55,00		55,00	
92,00		92,00	
92,00		92,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 112,50 m
2. Row 113,30 m
3. Row 114,10 m
4. Row 114,90 m
5. Row 115,70 m
6. Row 116,50 m
7. Row 117,30 m

BOX 20	5,70 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE	
117,70 - to - 123,40			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,6	99,6	97,2	
50,00		50,00	1. Row 23°
40,00		40,00	2. Row 20°
90,00		90,00	3. Row
6,00			4. Row 48°
94,00		94,00	5. Row
3,00			6. Row
5,00			7. Row
60,00		60,00	
29,00		29,00	
99,00		99,00	
92,00		92,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 118,11 m
2. Row 118,92 m
3. Row 119,74 m
4. Row 120,55 m
5. Row 121,36 m
6. Row 122,18 m
7. Row 122,99 m

BOX 21	5,83 m	EXCELLENT
---------------	--------	------------------

Date: 123,40 - to - 129,23			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 98,1	98,1	RQD 98,1	Degrees from horizontal
76,00		76,00	1. Row
19,00		19,00	2. Row
97,00		97,00	3. Row
96,00		96,00	4. Row
91,00		91,00	5. Row
95,00		95,00	6. Row
98,00		98,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 123,82 m |
| 2. Row | 124,65 m |
| 3. Row | 125,48 m |
| 4. Row | 126,32 m |
| 5. Row | 127,15 m |
| 6. Row | 127,98 m |
| 7. Row | 128,81 m |

BOX 22	5,67 m	EXCELLENT
---------------	--------	------------------

Date: 129,23 - to - 134,90			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	99,8	RQD 98,4	Degrees from horizontal
99,00		99,00	1. Row
8,00			2. Row
86,00		86,00	3. Row
95,00		95,00	4. Row
97,00		97,00	5. Row
16,00		16,00	6. Row
70,00		70,00	7. Row
95,00		95,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 129,64 m |
| 2. Row | 130,45 m |
| 3. Row | 131,26 m |
| 4. Row | 132,07 m |
| 5. Row | 132,88 m |
| 6. Row | 133,69 m |
| 7. Row | 134,50 m |

BOX 23	5,82 m	EXCELLENT
---------------	--------	------------------

Date: 134,90 - to - 140,72			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,7	99,7	RQD 99,7	Degrees from horizontal
96,00		96,00	1. Row
98,00		98,00	2. Row
97,00		97,00	3. Row 62°
99,00		99,00	4. Row
41,00		41,00	5. Row
53,00		53,00	6. Row
96,00		96,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 135,32 m
2. Row 136,15 m
3. Row 136,98 m
4. Row 137,81 m
5. Row 138,64 m
6. Row 139,47 m
7. Row 140,30 m

BOX 24	6,03 m	GOOD
---------------	--------	-------------

Date: 140,72 - to - 146,75			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 80,8	80,8	RQD 80,8	Degrees from horizontal
97,00		97,00	1. Row
98,00		98,00	2. Row 62°
96,00		96,00	3. Row
98,00		98,00	4. Row 65°
98,00		98,00	5. Row
			6. Row
			7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 141,15 m
2. Row 142,01 m
3. Row 142,87 m
4. Row 143,74 m
5. Row 144,60 m
6. Row 145,46 m
7. Row 146,32 m

BOX 25	5,95 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE	
146,75 - to - 152,70			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
96,1	91,9	90,8		
100,00		100,00	1. Row	
71,00		71,00	2. Row	52°
25,00	NI		3. Row	56°
7,00			4. Row	
18,00		18,00	5. Row	
60,00		60,00	6. Row	
98,00		98,00	7. Row	
97,00		97,00		
96,00		96,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 147,18 m
2. Row 148,03 m
3. Row 148,88 m
4. Row 149,73 m
5. Row 150,58 m
6. Row 151,43 m
7. Row 152,28 m

BOX 26	1,10 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE	
152,70 - to - 153,80			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
93,6	93,6	93,6		
91,00		91,00	1. Row	
12,00		12,00	2. Row	
			3. Row	
			4. Row	
			5. Row	
			6. Row	
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

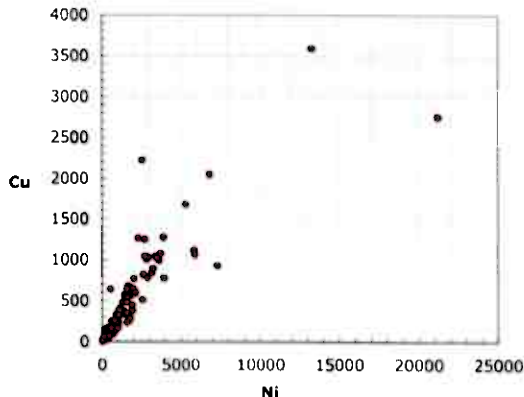
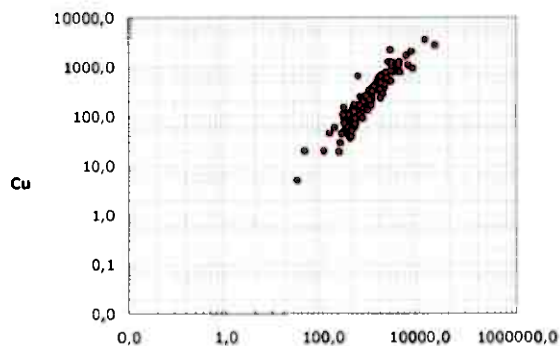
1. Row 152,78 m
2. Row 152,94 m
3. Row 153,09 m
4. Row 153,25 m
5. Row 153,41 m
6. Row 153,56 m
7. Row 153,72 m

YEAR		2007		Info of Borehole		SH											
Drill Date:		30. Aug		Ballangen DDH-07 SH-008													
HOLE ID:		SH-008															
Project:		Ballangen		Location:		Rånbogen		Project manager:		Søren Lund Jensen							
Northing:		7583359		Elevation:		495 meter [asl]		Drill method:		Surface Diamond Drill							
Easting:		584250		Geologist:		Mikkel Vognsen		Core:		BQ TK60/40.7 Diameter: 40,7 mm							
Datum:		WGS84		Logged by:		Mikkel Vognsen		Length:		340,10 meter							
Bearing:		150°		Logged date:		-		Average REC/RQD:		56 pct. / 55,2 pct.							
Dip:		-50°		Survey date:		-		by:		-		Casing/overburden:		5,1 meter		☐	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautøkeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338															
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																	

COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006

SULPHIDES					Quartz	ALTERATION					Recovery pct	Dip angle degree	GEOCHEMISTRY					Mag. Susc. 10 ⁻³ SI
Pb.	Pn.	Cp.	Gph.	X.		Grt.	Bio.	Tre.	Phl.	Serp.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	



DDH ORIENTATION / DIP-TEST

Tool Measurements		No measurements	
- Azimuth	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	-	ALT/DYKE/PEG - Alteration - dyke - pegmatite
B	-	MGN - Gneiss
C	-	NO - Norite
D	-	ONO - Olivinenorite
E	-	OPX - Olivinepyroxenite (Ol-websterite)
F	-	CPX - Olivinepyroxenite (Ol-websterite)
G	-	PRD - Peridotite
H	-	PX - Pyroxenite (Websterite)
I	-	M - Mineralisation
eoh	-	End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	1402,33	365,55
- Median	558,00	148,50
- Minimum	30,00	5,00
- Maximum	21200,00	3590,00
- Standard Deviation	2316,92	517,32
- Numbers	150,00	150,00
- Kurtosis	39,88	13,34
- Skewness	5,51	3,16
- Variance	5368131	267622
- Detection Limit	30,00	5,00

SULPHIDES

1.	-	Pyrrhotite	Po.
2.	-	Pentlandite	Pn.
3.	-	Chalcopyrite	Cp.
4.	-	Graphite	Gph.
5.	-	X	X.

ALTERATION

6.	-	Garnet	Grt.
7.	-	Biotite	Bio.
8.	-	Tremolite	Tre.
9.	-	Phlogopite	Phl.
10.	-	Serpentine	Serp.

GEOCHEMISTRY

11.	-	Nickel	Ni [ppm]
12.	-	Copper	Cu [ppm]
13.	-	Iron	Fe [pct]
14.	-	Gold	Au [ppb]
15.	-	Cobalt	Co [ppm]

MAGNETIC SUSCEPTIBILITY

16.	-	Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

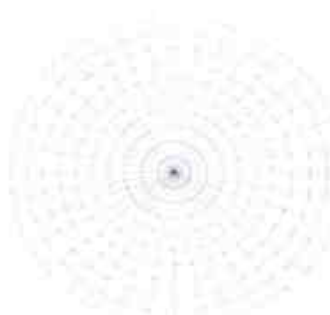
- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	116
- Mean	59,06°
- Standard Deviation	12,04°
- Maximum Petal	19,40 pct.
- Standard Deviation Petal	3,8 pct.

FOLIATION OR BEDDING

- Calculation Methode	
- Class Interval	
- Data Type	
- Population	
- Mean	
- Standard Deviation	
- Maximum Petal	
- Standard Deviation Petal	



FRACTURES



FOLIATION OR BEDDING

YEAR		2007		Log of Borehole		SH	
Drill Date:	30. Aug	Ballangen DDH-07 SH-008					
HOLE ID:	SH-008						
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface Diamond Drill		
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	340,10 meter		
Bearing:	150°	Logged date:	-	Average REC/RQD:	56 pct. / 55,2 pct.		
Dip:	-50°	Survey date:	-	by:	-	Casing/overburden:	5,1 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

Depth	Lithology	SUBSURFACE Description	Sample no. 1/2	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
				Po	Pn	Cp	Gph	X		Grt	Blc	Trc	Phl	Serp		Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
35			233066													410	71	9		111	
36			233067									20		20		230	29	6		65	
37												20		20							
38												99		99							
38	B	37.1-40.4m: Gneiss! Quartzofeldspathic rock, fgrd bt-speck defining the relic foliation. Mm-sized pale grt occur erratically. Incorporated mafic fragments (possibly), now seen as lumps comprised of phi-bt-serp mineral assemblage. Th contacts are notable sharp and alteration only occur in the superjacent and subjacent mafic rock.	233068													30	5	2		10	
39																					
40			233069													216	19	6		73	
41	G	40.4-110.6m: PRD! Homog. fgrd dark-green peridotite with a opx content near or close to 40% in places. Poikilitic texture - analogous to superjacent PRD section. In section the peridotite have a weak but consistent mineral foliation, defined by opx planes. Magmatic foliation? Minor felsic veins (cm wide) is relative common, cutting the Gneiss.										80		20							
42			233070									20		80							
43		42.3m: Alteration fades out.										15		15		359	51	9		120	
44			233071									5		5							
45																					
46			233072					1								378	88	10		143	
47								1													
48			233073					1								640	175	11		175	
49		48.2m: 1 cm thick semimassive sulphide patch. Frozen drop. Fgrd disseminated sulphides below.						5													
50			233074					3													
51								2													
								5													
																391	72	10		119	

SH[illegible]

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-008			
HOLE ID:		SH-008					
Project:	Ballangen	Location:	Rainbøen	Project manager:	Søren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface Diamond Drill		
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	340,10 meter		
Bearing:	150°	Logged date:	-	Average REC/RQD:	56 pct. / 55,2 pct.		
Dip:	-50°	Survey date:	-	by:	-	Casing/overburden:	5,1 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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[illegible]**BOX 17**

BOX 1B

[illegible]

YEAR		Log of Borehole										SH										
2007		Ballangen DDH-07 SH-008																				
Drill Date:		30. Aug																				
HOLE ID:		SH-008																				
Project:		Ballangen		Location:		Ranbogen		Project manager:						Søren Lund Jensen								
Northing:		7583359		Elevation:		495 meter [asl]		Drill method:						Surface Diamond Drill								
Easting:		584250		Geologist:		Mikkel Vogensen		Core:						BQ TK60/40.7 Diameter: 40,7 mm								
Datum:		WGS84		Logged by:		Mikkel Vogensen		Length:						340,10 meter								
Bearing:		150°		Survey date:				Average REC/RQD:						56 pct. / 55,2 pct.								
Dip:		-50°		by:				Casing/overburden:						5,1 meter								
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																				
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration			Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI	
		Description			Po	Pn	Cp	Gph	X		Grt	Blc	Trc			Phl	Serp	Ni [ppm]	Cu [ppm]	Fe [pct]		Au [ppb]
136		136,0-136,1m: 2 cm wide patch of fgrd disseminated sulphides (frozen droplet?).		233129						15 tr							899	282	10		128	
										tr												BOX 24
137		136,7-136,8m: 2 cm wide patch of fgrd disseminated sulphides (frozen droplet?).								15												
										1												
138	D	137,7-138,0m: ONOI Dyke.								1												
	E			233130													321	64	8		90	
139																						
140		140,3-140,7m: PEGI Bt-qtz-fsp pegmatite.. Very cgrd - Larger fragments of completely altered mafic rock (now = serp & tre).		233131						1				5			249	43	7		86	
141										1				5								
142				233132																		BOX 25
	C	142,1-142,4m: NOI Cpx-pl rock grading into																				
	H	142,4-143,4m: PXI Fgrd pyroxenite dyke. Sharp intrusive contacts. No alteration.																				
143										1												
	D	143,4-145,5m: Mixed norite and PX section. PX fragments in fgrd cpx-pl matrix, various alteration associated. Epigenetic? Pyrite coating.								1												
144				233133													967	215	8		110	
145																						
	D	145,4-145,5m: disseminated sulphides in mafic fragment.								5												
146		145,5-147,8m: ONOI The mafic norite is a mdgrd dark greyish rock with pl as intercumulus. Magmatic foliation. Several PX fragments, semidigested. Subangular. The fragments are mineralised.		233134						1							714	227	9		120	
										1												
147		146,8-146,9m: net-textured disseminated sulphides in mafic matrix. Transposed PRD fragment.								15												
										1												
148		147,8-148,9m: NOI Sharp intrusive contacts.		233135													1120	379	9		125	BOX 26
149	G	148,9-149,6m: PRDI								2 tr												
										tr												
150	D	149,6-150,1m: ONOI																				
	H	150,1-150,5m: PXI		233136													808	261	8		101	
	D	150,5-150,6m: ONOI																				
151	H	150,6-151,4m: PXI																				
152	D	151,4-153,0m: ONOI		233137													606	168	9		107	
153														5 5 5								

YEAR		2007		Log of Borehole		SH	
Drill Date:	30. Aug	HOLE ID:		SH-008		Ballangen DDH-07 SH-008	
Project:	Ballangen	Location:	Ranbogen	Project manager:	Soren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface Diamond Drill		
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	340,10 meter		
Bearing:	150°	Logged date:		Average REC/RQD:	56 pct. / 55,2 pct.		
Dip:	-50°	Survey date:		by:		Casing/overburden:	5,1 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁵ SI	
		Description			Py	Ph	Cp	Gph	X		Gr.	Bi.	Tr.	Phl.	Serp.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
153	H	153,0-154,0m: PXI Altered pyroxenite with a single massive sulphide band/vein. Likely to low-tenor and have a paragneiss/sedimentary precursor.							5			30	20	50										
154	D	154,0-157,2m: ONOI Mafic ol-rich norite. Mdgrd greyish rock with pronounced magmatic layering. Few traces of sulphides.		233138					1			5	5	5				474	122	8		87		
155									1															
156				233139					1									704	190	8		90		
157	F	157,2-158,8m: CPXI Cpx-dominated pyroxenite. Very fgrd cpx-pl rock. Dyke.							1															
158				233140														520	114	8		77		
159	D	158,8-159,3m: ONOI																						
160	H	159,3-159,8m: PXI Altered mafic rock. Sharp boundaries. Possibly an altered shear zone.										50	10	40										
160	F	159,8-160,2m: CPXI Fgrd cpx-pl dyke.		233141					1			50	10	40				1420	372	10		114		
161	F	160,2-160,8m: OPXI Cgrd dark black opx-dominated pyroxenite.							2															
161	F	160,8-161,0m: CPXI 161,0-165,1m: OPXI Cgrd dark black opx-dominated pyroxenite. Fgrd disseminated sulphides, net-textured mineralisation.		233142					4									1950	442	12		152		
162				233143					4									2600	510	12		193		
163				233144					2									1420	337	13		152		
164				233145					2									2160	591	12		164		
165	C	165,1-166,0m: NOI Fgrd cpx-ol-pl rock with a fine banding. Nutbrown bt present, forming irregular foliation cutting alteration veins (micro shear zones). Minor serp. Alteration @ 165,4m. Sharp intrusive contacts. Dyke.		233146					2															
166	F	166,0-167,0m: CPXI Semialtered cpx-dominated pyroxenite. Pale and dusty colouration. Accessoric pl present. Grt present @ 166,4m. 166,1-166,5m: Mineralisation occur as fgrd disseminated sulphides interstitial to silicates. Frozen droplets <1 cm. Grt aggregates present indicating assimilation of sedimentary sulphides.		233147					tr						10			2320	1260	12		290		
167	I	167,0-168,0m: Massive sulphide mineralisation. Matrix forming sulphides with cm large cpx grains in suspension. The upper part begins with a 0,5cm wide swirling sulphide vein. Possibly a sulphide breccia. From 167,5-167,9m: The massive sulphides content decrease to approx. 80% pl present. The angle degree of the cm wide sulphide veins above and below the massive sulphide part and the orientation of the silicates (pl - pl) may indicate a total thickness of ca. 0,5m and furthermore that the mineralisation is associated with mobilisation - brecciation. Grt + Qtz veins.		233148					8			5			15			551	640	7		106		
168	F	168,0-168,2m: CPXI Mdgrd diopside? Pyroxenite.		233149					tr						15			21200	2750	47		2000		
169	G	168,2-169,0m: PRDI The sulphide vein (descr. above) acts as a lith.l boundary. Mdgrd unmin.		233150					95									13300	3590	34		1280		
170	H			233151					1									2750	1250	15		324		
171	G			233152														887	170	11		144		
172	H			233153					2									1620	230	12		203		
173	G			233154					2									658	124	12		133		

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YEAR		Log of Borehole										SH										
2007		Ballangen DDH-07 SH-008																				
Drill Date:		30. Aug		Location:		Rånbogen		Project manager:		Søren Lund Jensen												
HOLE ID:		SH-008		Elevation:		495 meter [asl]		Drill method:		Surface Diamond Drill												
Project:		Ballangen		Geologist:		Mikkel Vognsen		Core:		BQ TK60/40.7 Diameter: 40,7 mm												
Northing:		7583359		Logged by:		Mikkel Vognsen		Length:		340,10 meter												
Easting:		584250		Logged date:				Average REC/RQD:		56 pct. / 55,2 pct.												
Datum:		WGS84		Survey date:				Casing/overburden:		5,1 meter												
Bearing:		150°		by:		-																
Dip:		-50°																				
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54																						
Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁵ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Bi	Tr	Phl			Serp	Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	
204,0-204,4m	A	NOI Noritic pegmatite. V cgrd cpx, rimmed by serp-phl in pl matrix.		233173													468	82	9		100	
204,4-210,0m	G	PRDI Dark black greenish c-mdrd rock. Few opx poikiloblasts occurring erratically. The peridotite sequence is cut by several <10 cm noritic cpx-bt +/- grt qtz-fsp dykes. Only minor trem-serp alteration of siderock. Grt aggregates @ 209,9 associated with minor sulphide precipitation, assimilated!																				
206				233174													481	90	9		100	BOX 36
208				233175					1								665	153	9		118	
209,9m		Note grt aggregates near sulph. Min.								5												
210,0-213,7m	F	PXI Cpx-opx mixed interval. Opx dominated section with minor cgrd cpx cumulus domains. Orientated pyroxene grains. Dyke cutting larger PTD unit? 210,2m: cgrd disseminated sulphides in cgrd cpx cumulus sequence.		233176					5								1090	322	7		109	
211,0-211,2m		Semimassive sulphides in cpx-opx cumulus interval. Net-textured interstitial to silicates. The mineralisation grades out !!.		233177					3								2760	1040	12		208	
211,6-212,0m		Patches or frozen droplets of net-textured sulphides.		233178					5								1650	539	9		153	BOX 37
212,6-213,2m		Semimassive sulphides in cpx-opx cumulus interval. Net-textured interstitial to silicates. The mineralisation grades out !!.		233179					1								3460	1040	11		259	
212,7m		estm. 50% sulphides in a thin <10cm band.		233180					1								7320	928	21		517	
213,7-215,5m	G	PRDI Sharp boundary marked by a phl (1 cm) thick vein. Minor shear zone.		233181					15								3530	1020	13		265	
214				233182					1								1620	639	12		173	
215,5-216,2m	E	OPXI Cgrd poikilitic opx-dominated pyroxenite.		233183					1								1480	334	10		148	
216,2-216,9m	G	PRDI Homog. Unmineralised dark rock.		233184					1													
216,9-218,0m	F	CPXI Cumulus section. Traces of sulphides.		233185					1													BOX 38
218,0-219,4m	D	ONOI Mafic monorite dyke. Sharp intrusive contacts. Pronounced magmatic foliation.		233186					1								691	92	8		98	
219,4-219,6m	F	Cumulus interval.		233187					1								891	132	9		111	
219,6-220,8m	G	Poikilitic texture.																				
220,8-221,2m	E																1040	166	11		149	

SH

YEAR	2007	Log of Borehole		SH	
Drill Date:	30. Aug	Ballangen DDH-07 SH-008			
HOLE ID:	SH-008				
Project:	Ballangen	Location:	Ranbøgen	Project manager:	Søren Lund Jensen
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface Diamond Drill
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40,7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	340,10 meter
Bearing:	150°	Logged date:	-	Average REC/RQD:	56 pct. / 55,2 pct.
Dip:	-50°	Survey date:	-	by:	-
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautøkeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		Casing/overburden:	5,1 meter	☐
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SH[illegible]

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-008			
HOLE ID:		SH-008					
Project:		Ballangen		Location:		Rånbogen	
Northing:		7583359		Elevation:		495 meter [asl]	
Easting:		584250		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen	
Bearing:		150°		Logged date:		-	
Dip:		-50°		Survey date:		-	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		by:		-	
				Project manager:		Søren Lund Jensen	
				Drill method:		Surface Diamond Drill	
				Core:		BQ TK60/40.7 Diameter: 40,7 mm	
				Length:		340,10 meter	
				Average REC/RQD:		56 pct. / 55,2 pct.	
				Casing/overburden:		5,1 meter	
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BOX 52

BOX 53

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-008			
HOLE ID:		SH-008					
Project:		Ballangen		Location:		Rånbogen	
Northing:		7583359		Elevation:		495 meter [asl]	
Easting:		584250		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen	
Bearing:		150°		Survey date:			
Dip:		-50°		by:			
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		Project manager:		Søren Lund Jensen	
				Drill method:		Surface Diamond Drill	
				Core:		BQ TK60/40.7 Diameter: 40,7 mm	
				Length:		340,10 meter	
				Average REC/RQD:		56 pct. / 55,2 pct.	
				Casing/overburden:		5,1 meter	
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

[illegible]

YEAR	2007	Log of Borehole		SH	
Drill Date:	30. Aug	Ballangen DDH-07 SH-008			
HOLE ID:	SH-008				
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface Diamond Drill
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	340,10 meter
Bearing:	150°	Logged date:	-	Average REC/RQD:	56 pct. / 55,2 pct.
Dip:	-50°	Survey date:	-	by:	Casing/overburden: 5,1 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

[illegible]

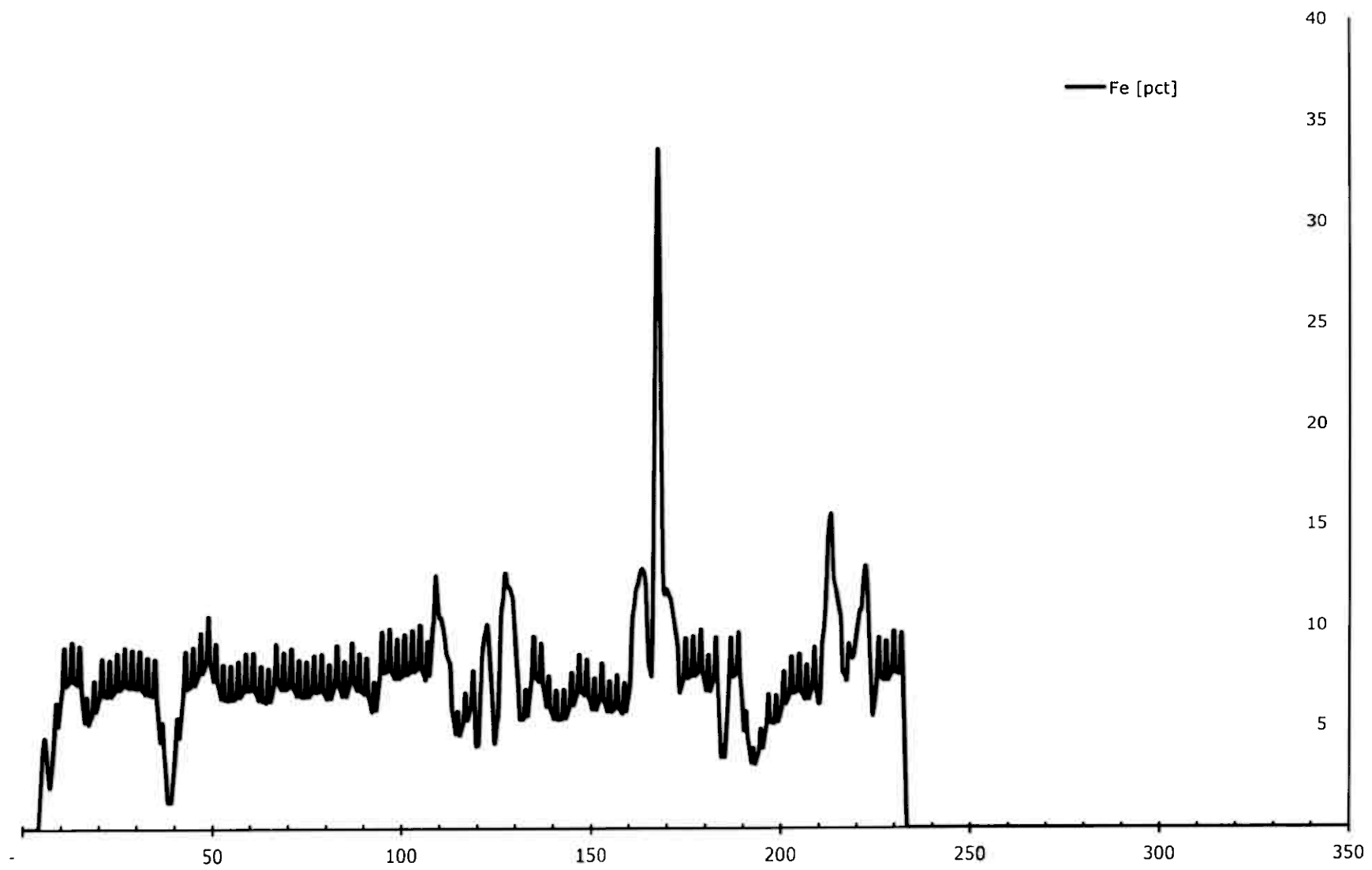
BOX 58

BOX 59

YEAR	2007		Log of Borehole		SH
Drill Date:	30. Aug				
HOLE ID:	SH-008		Ballangen DDH-07 SH-008		
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Surface Diamond Drill
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40,7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	340,10 meter
Bearing:	150°	Logged date:		Average REC/RQD:	56 pct. / 55,2 pct.
Dip:	-50°	Survey date:		by:	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Blc	Trc	Phl	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
340		F	340,0-340,4m: CPX! Sharp boundaries.																				
		C	340,4-341,25m: NO! End of hole.																				
341		eoh																					
342																							
343																							
344																							
345																							
346																							
347																							
348																							
349																							
350																							
351																							
352																							
353																							
354																							
355																							
356																							
357																							

BOX 75



Drill methode: Core
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 340 meter
Casing/Overburden 5,1 meter

BOX 1 4,95 m **GOOD**

Date: 5,10 - to - 10,05
DIP ANGLE
RECOVERY
Total **Solid** **Modified**
[cm] **[cm]** **[cm]**
Fractures
Foliation or bedding

REC		RQD	Degrees from
99,8	79,8	79,8	horizontal
28,00		28,00	1. Row
10,00		10,00	2. Row 68°
40,00	NI		3. Row 42°
45,00		45,00	4. Row 45°
54,00	NI		5. Row 65°
40,00		40,00	6. Row 55°
56,00		56,00	7. Row
5,00	NI		
33,00		33,00	
20,00		20,00	
25,00		25,00	
48,00		48,00	
90,00		90,00	

Magnetic Susceptibility
 1. Row
 2. Row
 3. Row
 4. Row
 5. Row
 6. Row
 7. Row

Measurement at
 1. Row 5,45 m
 2. Row 6,16 m
 3. Row 6,87 m
 4. Row 7,58 m
 5. Row 8,28 m
 6. Row 8,99 m
 7. Row 9,70 m

BOX 2			5,69 m	GOOD
Date:			DIP ANGLE	
10,05 - to - 15,74				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
84,2	84,2	84,2		
97,00		97,00	1. Row	55°
58,00		58,00	2. Row	
32,00		32,00	3. Row	
97,00		97,00	4. Row	70°
82,00		82,00	5. Row	
14,00		14,00	6. Row	
99,00		99,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 10,46 m |
| 2. Row | 11,27 m |
| 3. Row | 12,08 m |
| 4. Row | 12,90 m |
| 5. Row | 13,71 m |
| 6. Row | 14,52 m |
| 7. Row | 15,33 m |

BOX 3			5,57 m	EXCELLENT
Date:			DIP ANGLE	
15,74 - to - 21,31				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,9	95,7	95,7		
92,00		92,00	1. Row	60°
90,00		90,00	2. Row	70°
99,00		99,00	3. Row	50°
93,00		93,00	4. Row	42°
56,00		56,00	5. Row	40°
28,00		28,00	6. Row	
11,00		11,00	7. Row	
9,00		9,00		
18,00	NI			
55,00		55,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 16,14 m |
| 2. Row | 16,93 m |
| 3. Row | 17,73 m |
| 4. Row | 18,53 m |
| 5. Row | 19,32 m |
| 6. Row | 20,12 m |
| 7. Row | 20,91 m |

BOX 4			6,69 m	EXCELLENT
Date:			DIP ANGLE	
21,31 - to - 28,00				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
99,3	99,3	98,4		
70,00		70,00	1. Row	
25,00		25,00	2. Row	60°
93,00		93,00	3. Row	45°
22,00		22,00	4. Row	61°
76,00		76,00	5. Row	65°
95,00		95,00	6. Row	
90,00		90,00	7. Row	
6,00				
39,00		39,00		
50,00		50,00		
98,00		98,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 21,79 m
2. Row 22,74 m
3. Row 23,70 m
4. Row 24,66 m
5. Row 25,61 m
6. Row 26,57 m
7. Row 27,52 m

BOX 5			5,66 m	EXCELLENT
Date:			DIP ANGLE	
28,00 - to - 33,66				
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal	
98,1	98,1	97,3		
95,00		95,00	1. Row	
61,00		61,00	2. Row	
33,00		33,00	3. Row	
4,00			4. Row	78°
94,00		94,00	5. Row	62°
92,00		92,00	6. Row	
13,00		13,00	7. Row	
58,00		58,00		
16,00		16,00		
89,00		89,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 28,40 m
2. Row 29,21 m
3. Row 30,02 m
4. Row 30,83 m
5. Row 31,64 m
6. Row 32,45 m
7. Row 33,26 m

BOX 6	5,56 m	GOOD
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Date: 33,66 - to - 39,22			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,1	82,7	RQD 82,7	Degrees from horizontal	
93,00		93,00	1. Row	60°
96,00		96,00	2. Row	64°
13,00		13,00	3. Row	44°
30,00	NI		4. Row	81°
48,00		48,00	5. Row	
48,00		48,00	6. Row	80°
43,00		43,00	7. Row	
25,00		25,00		
61,00	NI			
94,00		94,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 34,06 m |
| 2. Row | 34,85 m |
| 3. Row | 35,65 m |
| 4. Row | 36,44 m |
| 5. Row | 37,23 m |
| 6. Row | 38,03 m |
| 7. Row | 38,82 m |

BOX 7	5,50 m	EXCELLENT
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Date: 39,22 - to - 44,72			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	92,9	RQD 92,9	Degrees from horizontal	
76,00		76,00	1. Row	
16,00		16,00	2. Row	
39,00		39,00	3. Row	
38,00	NI		4. Row	
22,00		22,00	5. Row	
68,00		68,00	6. Row	
24,00		24,00	7. Row	
72,00		72,00		
19,00		19,00		
15,00		15,00		
60,00		60,00		
10,00		10,00		
90,00		90,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 39,61 m |
| 2. Row | 40,40 m |
| 3. Row | 41,18 m |
| 4. Row | 41,97 m |
| 5. Row | 42,76 m |
| 6. Row | 43,54 m |
| 7. Row | 44,33 m |

BOX 8	5,56 m	EXCELLENT
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Date: 44,72 - to - 50,28			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,6	99,6	RQD 99,6	Degrees from horizontal
91,00		91,00	1. Row
91,00		91,00	2. Row
93,00		93,00	3. Row
14,00		14,00	4. Row 60°
40,00		40,00	5. Row
30,00		30,00	6. Row 66°
98,00		98,00	7. Row
97,00		97,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 45,12 m |
| 2. Row | 45,91 m |
| 3. Row | 46,71 m |
| 4. Row | 47,50 m |
| 5. Row | 48,29 m |
| 6. Row | 49,09 m |
| 7. Row | 49,88 m |

BOX 9	5,82 m	EXCELLENT
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Date: 50,28 - to - 56,10			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 98,6	98,6	RQD 96,4	Degrees from horizontal
27,00		27,00	1. Row
64,00		64,00	2. Row
75,00		75,00	3. Row 63°
16,00		16,00	4. Row
7,00			5. Row 60°
96,00		96,00	6. Row
42,00		42,00	7. Row
38,00		38,00	
15,00		15,00	
97,00		97,00	
91,00		91,00	
6,00			

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 50,70 m |
| 2. Row | 51,53 m |
| 3. Row | 52,36 m |
| 4. Row | 53,19 m |
| 5. Row | 54,02 m |
| 6. Row | 54,85 m |
| 7. Row | 55,68 m |

BOX 10	5,63 m	EXCELLENT
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Date:			DIP ANGLE	
56,10 - to - 61,73			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
50,00		50,00	1. Row	
36,00		36,00	2. Row	
97,00		97,00	3. Row	
96,00		96,00	4. Row	55°
70,00		70,00	5. Row	60°
21,00		21,00	6. Row	61°
96,00		96,00	7. Row	
96,00		96,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 56,50 m
2. Row 57,31 m
3. Row 58,11 m
4. Row 58,92 m
5. Row 59,72 m
6. Row 60,52 m
7. Row 61,33 m

BOX 11	5,80 m	EXCELLENT
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Date:			DIP ANGLE	
61,73 - to - 67,53			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,7	99,7	99,7		
100,00		100,00	1. Row	55°
100,00		100,00	2. Row	
90,00		90,00	3. Row	61°
96,00		96,00	4. Row	71°
99,00		99,00	5. Row	58°
93,00		93,00	6. Row	55°
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 62,14 m
2. Row 62,97 m
3. Row 63,80 m
4. Row 64,63 m
5. Row 65,46 m
6. Row 66,29 m
7. Row 67,12 m

BOX 12	6,02 m	EXCELLENT
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Date:			DIP ANGLE	
67,53 - to - 73,55			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
96,0	94,4	94,4		
100,00		100,00	1. Row	40°
9,00		9,00	2. Row	75°
82,00		82,00	3. Row	
97,00		97,00	4. Row	70°
99,00		99,00	5. Row	64°
26,00		26,00	6. Row	45°
10,00	NI		7. Row	
59,00		59,00		
96,00		96,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 67,96 m
2. Row 68,82 m
3. Row 69,68 m
4. Row 70,54 m
5. Row 71,40 m
6. Row 72,26 m
7. Row 73,12 m

BOX 13	5,45 m	EXCELLENT
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Date:			DIP ANGLE	
73,55 - to - 79,00			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
95,00		95,00	1. Row	65°
30,00		30,00	2. Row	
57,00		57,00	3. Row	
95,00		95,00	4. Row	
98,00		98,00	5. Row	
35,00		35,00	6. Row	
45,00		45,00	7. Row	
89,00		89,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 73,94 m
2. Row 74,72 m
3. Row 75,50 m
4. Row 76,28 m
5. Row 77,05 m
6. Row 77,83 m
7. Row 78,61 m

BOX 14			5,78 m	EXCELLENT		
Date:			DIP ANGLE			
79,00 - to - 84,78						
RECOVERY			Fractures	Foliation or bedding		
Total [cm]	Solid [cm]	Modified [cm]				
REC 100,0	100,0	RQD 100,0	Degrees from horizontal			
97,00		97,00	1. Row			
71,00		71,00	2. Row			
26,00		26,00	3. Row			60°
98,00		98,00	4. Row			50°
100,00		100,00	5. Row			
74,00		74,00	6. Row			65°
17,00		17,00	7. Row			
95,00		95,00				

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 79,41 m |
| 2. Row | 80,24 m |
| 3. Row | 81,06 m |
| 4. Row | 81,89 m |
| 5. Row | 82,72 m |
| 6. Row | 83,54 m |
| 7. Row | 84,37 m |

BOX 15			5,78 m	EXCELLENT			
Date:			DIP ANGLE				
84,78 - to - 90,56							
RECOVERY			Fractures	Foliation or bedding			
Total [cm]	Solid [cm]	Modified [cm]					
REC 100,0	100,0	RQD 100,0	Degrees from horizontal				
98,00		98,00	1. Row				
83,00		83,00	2. Row				
13,00		13,00	3. Row 61°				
98,00		98,00	4. Row 68°				
100,00		100,00	5. Row				
95,00		95,00	6. Row 60°				
91,00		91,00	7. Row				

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 85,19 m |
| 2. Row | 86,02 m |
| 3. Row | 86,84 m |
| 4. Row | 87,67 m |
| 5. Row | 88,50 m |
| 6. Row | 89,32 m |
| 7. Row | 90,15 m |

Drill methode:	Core
Core:	BQ TK60/40.7
Diameter:	40,7 mm
Length:	340 meter
Casing/Overburden	5,1 meter

BOX 16	5,69 m	EXCELLENT
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Date:			DIP ANGLE	
90,56 - to - 96,25			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
99,1	99,1	99,1
97,00	97,00	1. Row
94,00	94,00	2. Row
12,00	12,00	3. Row
81,00	81,00	4. Row
98,00	98,00	5. Row
96,00	96,00	6. Row
26,00	26,00	7. Row
60,00	60,00	

Magnetic Susceptibility
1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at
1. Row 90,97 m
2. Row 91,78 m
3. Row 92,59 m
4. Row 93,41 m
5. Row 94,22 m
6. Row 95,03 m
7. Row 95,84 m

BOX 17	5,61 m	EXCELLENT
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Date: 96,25 - to - 101,86			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
94,00		94,00	1. Row
93,00		93,00	2. Row
51,00		51,00	3. Row
40,00		40,00	4. Row
94,00		94,00	5. Row
98,00		98,00	6. Row
67,00		67,00	7. Row
24,00		24,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 96,65 m |
| 2. Row | 97,45 m |
| 3. Row | 98,25 m |
| 4. Row | 99,06 m |
| 5. Row | 99,86 m |
| 6. Row | 100,66 m |
| 7. Row | 101,46 m |

BOX 18	5,74 m	EXCELLENT
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Date: 101,86 - to - 107,60			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,5	99,5	RQD 99,5	Degrees from horizontal
96,00		96,00	1. Row
96,00		96,00	2. Row
81,00		81,00	3. Row
12,00		12,00	4. Row
95,00		95,00	5. Row
95,00		95,00	6. Row
96,00		96,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 102,27 m |
| 2. Row | 103,09 m |
| 3. Row | 103,91 m |
| 4. Row | 104,73 m |
| 5. Row | 105,55 m |
| 6. Row | 106,37 m |
| 7. Row | 107,19 m |

BOX 19	5,78 m	EXCELLENT
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Date:			DIP ANGLE			
107,60 - to - 113,38			Fractures	Foliation or bedding		
RECOVERY						
Total	Solid	Modified				
[cm]	[cm]	[cm]				

REC		RQD	Degrees from horizontal	
98,6	98,6	97,2		
94,00		94,00	1. Row	
94,00		94,00	2. Row	55°
96,00		96,00	3. Row	
12,00		12,00	4. Row	
81,00		81,00	5. Row	56°
98,00		98,00	6. Row	
87,00		87,00	7. Row	
8,00				

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 108,01 m
2. Row 108,84 m
3. Row 109,66 m
4. Row 110,49 m
5. Row 111,32 m
6. Row 112,14 m
7. Row 112,97 m

BOX 20	6,54 m	GOOD
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Date:			DIP ANGLE	
113,38 - to - 119,92			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
88,8	88,8	88,8		
95,00		95,00	1. Row	
97,00		97,00	2. Row	
98,00		98,00	3. Row	
12,00		12,00	4. Row	
84,00		84,00	5. Row	
97,00		97,00	6. Row	
98,00		98,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 113,85 m
2. Row 114,78 m
3. Row 115,72 m
4. Row 116,65 m
5. Row 117,58 m
6. Row 118,52 m
7. Row 119,45 m

BOX 21	4,83 m	EXCELLENT
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Date: 119,92 - to - 124,75			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 98,8	98,8	RQD 97,5	Degrees from horizontal
25,00		25,00	1. Row
58,00		58,00	2. Row
6,00			3. Row
94,00		94,00	4. Row
16,00		16,00	5. Row
81,00		81,00	6. Row
16,00		16,00	7. Row
81,00		81,00	
100,00		100,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 120,27 m |
| 2. Row | 120,96 m |
| 3. Row | 121,65 m |
| 4. Row | 122,34 m |
| 5. Row | 123,03 m |
| 6. Row | 123,72 m |
| 7. Row | 124,41 m |

BOX 22	5,93 m	EXCELLENT
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Date: 124,75 - to - 130,68			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 98,1	98,1	RQD 98,1	Degrees from horizontal
70,00		70,00	1. Row
27,00		27,00	2. Row
98,00		98,00	3. Row
96,00		96,00	4. Row
85,00		85,00	5. Row
12,00		12,00	6. Row 65°
98,00		98,00	7. Row
96,00		96,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 125,17 m |
| 2. Row | 126,02 m |
| 3. Row | 126,87 m |
| 4. Row | 127,72 m |
| 5. Row | 128,56 m |
| 6. Row | 129,41 m |
| 7. Row | 130,26 m |

BOX 23			5,87 m	EXCELLENT
Date:			DIP ANGLE	
130,68 - to - 136,55				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,1	99,1	99,1		
85,00		85,00	1. Row	
11,00		11,00	2. Row	82°
97,00		97,00	3. Row	
97,00		97,00	4. Row	
98,00		98,00	5. Row	
96,00		96,00	6. Row	
98,00		98,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 131,10 m
2. Row 131,94 m
3. Row 132,78 m
4. Row 133,62 m
5. Row 134,45 m
6. Row 135,29 m
7. Row 136,13 m

BOX 24			5,50 m	EXCELLENT
Date:			DIP ANGLE	
136,55 - to - 142,05				
RECOVERY			Fractures	Foliation or bedding
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
93,6	93,6	93,6		
98,00		98,00	1. Row	60°
9,00		9,00	2. Row	
86,00		86,00	3. Row	
44,00		44,00	4. Row	
95,00		95,00	5. Row	
93,00		93,00	6. Row	
77,00		77,00	7. Row	
13,00		13,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 136,94 m
2. Row 137,73 m
3. Row 138,51 m
4. Row 139,30 m
5. Row 140,09 m
6. Row 140,87 m
7. Row 141,66 m

BOX 25 5,80 m **EXCELLENT**

Date:			DIP ANGLE	
142,05 - to - 147,85			Fractures	Foliation or Bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 98,3	98,3	RQD 98,3	Degrees from horizontal
96,00		96,00	1. Row
95,00		95,00	2. Row
96,00		96,00	3. Row
10,00		10,00	4. Row
78,00		78,00	5. Row
97,00		97,00	6. Row
98,00		98,00	7. Row

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 142,46 m
2. Row 143,29 m
3. Row 144,12 m
4. Row 144,95 m
5. Row 145,78 m
6. Row 146,61 m
7. Row 147,44 m

BOX 26 5,63 m **EXCELLENT**

Date:			DIP ANGLE	
147,85 - to - 153,48			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
62,00		62,00	1. Row
31,00		31,00	2. Row
94,00		94,00	3. Row
95,00		95,00	4. Row
81,00		81,00	5. Row 45°
14,00		14,00	6. Row
96,00		96,00	7. Row
90,00		90,00	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 148,25 m
2. Row 149,06 m
3. Row 149,86 m
4. Row 150,67 m
5. Row 151,47 m
6. Row 152,27 m
7. Row 153,08 m

BOX 27	6,12 m	EXCELLENT
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Date:			DIP ANGLE	
153,48 - to - 159,60			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
94,1	94,1	94,1	
61,00		61,00	1. Row
30,00		30,00	2. Row
95,00		95,00	3. Row
98,00		98,00	4. Row
81,00		81,00	5. Row
15,00		15,00	6. Row
98,00		98,00	7. Row
98,00		98,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 153,92 m
2. Row 154,79 m
3. Row 155,67 m
4. Row 156,54 m
5. Row 157,41 m
6. Row 158,29 m
7. Row 159,16 m

BOX 28	5,45 m	EXCELLENT
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Date:			DIP ANGLE	
159,60 - to - 165,05			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,8	98,9	98,9	
24,00		24,00	1. Row
5,00	NI		2. Row 55°
40,00		40,00	3. Row
15,00		15,00	4. Row
88,00		88,00	5. Row
94,00		94,00	6. Row
95,00		95,00	7. Row
95,00		95,00	
88,00		88,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 159,99 m
2. Row 160,77 m
3. Row 161,55 m
4. Row 162,33 m
5. Row 163,10 m
6. Row 163,88 m
7. Row 164,66 m

BOX 29	5,77 m	EXCELLENT
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Date: 165,05 - to - 170,82			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	99,8	RQD 99,0	Degrees from horizontal
100,00		100,00	1. Row
5,00			2. Row
90,00		90,00	3. Row
98,00		98,00	4. Row
98,00		98,00	5. Row
14,00		14,00	6. Row
81,00		81,00	7. Row
90,00		90,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 165,46 m
2. Row 166,29 m
3. Row 167,11 m
4. Row 167,94 m
5. Row 168,76 m
6. Row 169,58 m
7. Row 170,41 m

BOX 30	5,75 m	EXCELLENT
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Date: 170,82 - to - 176,57			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,1	99,1	RQD 98,4	Degrees from horizontal
99,00		99,00	1. Row
29,00		29,00	2. Row
62,00		62,00	3. Row
4,00			4. Row
96,00		96,00	5. Row
96,00		96,00	6. Row
43,00		43,00	7. Row
51,00		51,00	
90,00		90,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 171,23 m
2. Row 172,05 m
3. Row 172,87 m
4. Row 173,70 m
5. Row 174,52 m
6. Row 175,34 m
7. Row 176,16 m

Drill methode:	Core
Core:	BQ TK60/40.7
Diameter:	40,7 mm
Length:	340 meter
Casing/Overburden	5,1 meter

BOX 31			5,91 m	EXCELLENT	
Date:			DIP ANGLE		
176,57 - to - 182,48			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			
			Degrees from horizontal		
REC		RQD			
99,3	99,3	99,3			
99,00		99,00	1. Row		
49,00		49,00	2. Row		
49,00		49,00	3. Row		
99,00		99,00	4. Row		
98,00		98,00	5. Row		
53,00		53,00	6. Row		
50,00		50,00	7. Row		
90,00		90,00			

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 176,99 m
2. Row 177,84 m
3. Row 178,68 m
4. Row 179,53 m
5. Row 180,37 m
6. Row 181,21 m
7. Row 182,06 m

BOX 32 5,90 m **EXCELLENT**

Date: 182,48 - to - 188,38
RECOVERY
 Total Solid Modified
 [cm] [cm] [cm]

DIP ANGLE

Fractures
 Foliation
 or bedding

REC		RQD	Degrees from horizontal
99,0	97,6	96,3	
99,00		99,00	1. Row
49,00		49,00	2. Row
8,00	NI		3. Row
8,00			4. Row
31,00		31,00	5. Row 65°
98,00		98,00	6. Row
100,00		100,00	7. Row
78,00		78,00	
18,00		18,00	
95,00		95,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 182,90 m
2. Row 183,74 m
3. Row 184,59 m
4. Row 185,43 m
5. Row 186,27 m
6. Row 187,12 m
7. Row 187,96 m

BOX 33 5,56 m **EXCELLENT**

Date: 188,38 - to - 193,94
RECOVERY
 Total Solid Modified
 [cm] [cm] [cm]

DIP ANGLE

Fractures
 Foliation
 or bedding

REC		RQD	Degrees from horizontal
99,6	97,8	96,6	
92,00		92,00	1. Row
80,00		80,00	2. Row 50°
7,00			3. Row 52°
95,00		95,00	4. Row
97,00		97,00	5. Row 60°
95,00		95,00	6. Row 55°
52,00		52,00	7. Row
10,00	NI		
26,00		26,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 188,78 m
2. Row 189,57 m
3. Row 190,37 m
4. Row 191,16 m
5. Row 191,95 m
6. Row 192,75 m
7. Row 193,54 m

BOX 34	5,75 m	EXCELLENT
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Date:			DIP ANGLE	
193,94 - to - 199,69			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,7	99,7	99,7		
92,00		92,00	1. Row	
46,00		46,00	2. Row	
47,00		47,00	3. Row	
97,00		97,00	4. Row	
98,00		98,00	5. Row	
73,00		73,00	6. Row	40°
21,00		21,00	7. Row	
99,00		99,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 194,35 m
2. Row 195,17 m
3. Row 195,99 m
4. Row 196,82 m
5. Row 197,64 m
6. Row 198,46 m
7. Row 199,28 m

BOX 35	5,77 m	EXCELLENT
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Date:			DIP ANGLE	
199,69 - to - 205,46			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,4	98,4	98,4		
99,00		99,00	1. Row	45°
91,00		91,00	2. Row	45°
97,00		97,00	3. Row	80°
94,00		94,00	4. Row	
94,00		94,00	5. Row	56°
21,00		21,00	6. Row	68°
72,00		72,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 200,10 m
2. Row 200,93 m
3. Row 201,75 m
4. Row 202,58 m
5. Row 203,40 m
6. Row 204,22 m
7. Row 205,05 m

BOX 36	5,76 m	EXCELLENT
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Date:			DIP ANGLE	
205,46 - to - 211,22			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	100,0	100,0	RQD	100,0	Degrees from horizontal
98,00			98,00		1. Row
99,00			99,00		2. Row
36,00			36,00		3. Row
60,00			60,00		4. Row 61°
95,00			95,00		5. Row 64°
82,00			82,00		6. Row 65°
14,00			14,00		7. Row
92,00			92,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 205,87 m
2. Row 206,69 m
3. Row 207,52 m
4. Row 208,34 m
5. Row 209,16 m
6. Row 209,99 m
7. Row 210,81 m

BOX 37	5,90 m	EXCELLENT
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Date:			DIP ANGLE	
211,22 - to - 217,12			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	99,5	99,5	RQD	99,5	Degrees from horizontal
99,00			99,00		1. Row 42°
36,00			36,00		2. Row
68,00			68,00		3. Row 38°
99,00			99,00		4. Row
97,00			97,00		5. Row
38,00			38,00		6. Row
52,00			52,00		7. Row
98,00			98,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 211,64 m
2. Row 212,48 m
3. Row 213,33 m
4. Row 214,17 m
5. Row 215,01 m
6. Row 215,86 m
7. Row 216,70 m

BOX 38	5,61 m	EXCELLENT
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Date:			DIP ANGLE	
217,12 - to - 222,73			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
100,0	100,0	100,0	
96,00		96,00	1. Row
53,00		53,00	2. Row
41,00		41,00	3. Row
99,00		99,00	4. Row
96,00		96,00	5. Row 61°
70,00		70,00	6. Row
18,00		18,00	7. Row
88,00		88,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 217,52 m
2. Row 218,32 m
3. Row 219,12 m
4. Row 219,93 m
5. Row 220,73 m
6. Row 221,53 m
7. Row 222,33 m

BOX 39	5,69 m	EXCELLENT
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Date:			DIP ANGLE	
222,73 - to - 228,42			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
99,6	99,6	99,6	
90,00		90,00	1. Row 56°
94,00		94,00	2. Row
100,00		100,00	3. Row
99,00		99,00	4. Row
94,00		94,00	5. Row
10,00		10,00	6. Row
80,00		80,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 223,14 m
2. Row 223,95 m
3. Row 224,76 m
4. Row 225,58 m
5. Row 226,39 m
6. Row 227,20 m
7. Row 228,01 m

BOX 40	5,78 m	EXCELLENT
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Date: 228,42 - to - 234,20			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,0	99,0	RQD 99,0	Degrees from horizontal
97,00		97,00	1. Row
97,00		97,00	2. Row 70°
23,00		23,00	3. Row
70,00		70,00	4. Row
98,00		98,00	5. Row
14,00		14,00	6. Row
77,00		77,00	7. Row
96,00		96,00	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 228,83 m |
| 2. Row | 229,66 m |
| 3. Row | 230,48 m |
| 4. Row | 231,31 m |
| 5. Row | 232,14 m |
| 6. Row | 232,96 m |
| 7. Row | 233,79 m |

BOX 41	5,78 m	EXCELLENT
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Date: 234,20 - to - 239,98			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	99,8	RQD 99,0	Degrees from horizontal
98,00		98,00	1. Row 63°
98,00		98,00	2. Row 60°
98,00		98,00	3. Row 70°
98,00		98,00	4. Row 61°
5,00			5. Row
90,00		90,00	6. Row
90,00		90,00	7. Row

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 234,61 m |
| 2. Row | 235,44 m |
| 3. Row | 236,26 m |
| 4. Row | 237,09 m |
| 5. Row | 237,92 m |
| 6. Row | 238,74 m |
| 7. Row | 239,57 m |

BOX 42	5,12 m	EXCELLENT
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Date: 239,98 - to - 245,10			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
95,1	95,1	95,1	
98,00		98,00	1. Row
14,00		14,00	2. Row
86,00		86,00	3. Row
97,00		97,00	4. Row
97,00		97,00	5. Row
30,00		30,00	6. Row 43°
65,00		65,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 240,35 m
2. Row 241,08 m
3. Row 241,81 m
4. Row 242,54 m
5. Row 243,27 m
6. Row 244,00 m
7. Row 244,73 m

BOX 43	6,70 m	GOOD
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Date: 245,10 - to - 251,80			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
86,7	86,7	86,7	
98,00		98,00	1. Row
96,00		96,00	2. Row
97,00		97,00	3. Row
98,00		98,00	4. Row
99,00		99,00	5. Row
69,00		69,00	6. Row 61°
24,00		24,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 245,58 m
2. Row 246,54 m
3. Row 247,49 m
4. Row 248,45 m
5. Row 249,41 m
6. Row 250,36 m
7. Row 251,32 m

BOX 44	5,80 m	EXCELLENT
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Date: 251,80 - to - 257,60			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 100,0	94,0	RQD 93,1	Degrees from horizontal
35,00	NI		1. Row
58,00		58,00	2. Row
97,00		97,00	3. Row
91,00		91,00	4. Row
5,00			5. Row 75°
99,00		99,00	6. Row
99,00		99,00	7. Row
96,00		96,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 252,21 m
2. Row 253,04 m
3. Row 253,87 m
4. Row 254,70 m
5. Row 255,53 m
6. Row 256,36 m
7. Row 257,19 m

BOX 45	5,70 m	EXCELLENT
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Date: 257,60 - to - 263,30			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal
98,00		98,00	1. Row
63,00		63,00	2. Row
32,00		32,00	3. Row
99,00		99,00	4. Row
93,00		93,00	5. Row 60°
79,00		79,00	6. Row
15,00		15,00	7. Row
91,00		91,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 258,01 m
2. Row 258,82 m
3. Row 259,64 m
4. Row 260,45 m
5. Row 261,26 m
6. Row 262,08 m
7. Row 262,89 m

Drill methode: Core
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 340 meter
Casing/Overburden 5,1 meter

BOX 46 5,83 m **GOOD**

Date: 263,30 - to - 269,13
RECOVERY
DIP ANGLE
 Total Solid Modified Fractures Foliation or bedding
 [cm] [cm] [cm]

REC		RQD	Degrees from horizontal
88,0	83,4	83,4	
96,00		96,00	1. Row
76,00		76,00	2. Row
18,00	NI		3. Row 40°
9,00	NI		4. Row 44°
86,00		86,00	5. Row 60°
14,00		14,00	6. Row 75°
80,00		80,00	7. Row
38,00		38,00	
96,00		96,00	

Magnetic Susceptibility

1. Row
 2. Row
 3. Row
 4. Row
 5. Row
 6. Row
 7. Row

Measurement at

1. Row 263,72 m
 2. Row 264,55 m
 3. Row 265,38 m
 4. Row 266,22 m
 5. Row 267,05 m
 6. Row 267,88 m
 7. Row 268,71 m

BOX 47 6,01 m **EXCELLENT**

Date:			DIP ANGLE	
269,13 - to - 275,14			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
95,5	95,5	95,5		
38,00		38,00	1. Row	80°
58,00		58,00	2. Row	61°
95,00		95,00	3. Row	65°
95,00		95,00	4. Row	
31,00		31,00	5. Row	
63,00		63,00	6. Row	
98,00		98,00	7. Row	
57,00		57,00		
25,00		25,00		
14,00		14,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 269,56 m
2. Row 270,42 m
3. Row 271,28 m
4. Row 272,14 m
5. Row 272,99 m
6. Row 273,85 m
7. Row 274,71 m

BOX 48 5,78 m **EXCELLENT**

Date:			DIP ANGLE	
275,14 - to - 280,92			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,5	99,5	99,5		
27,00		27,00	1. Row	
69,00		69,00	2. Row	
99,00		99,00	3. Row	
16,00		16,00	4. Row	
79,00		79,00	5. Row	
98,00		98,00	6. Row	
90,00		90,00	7. Row	
16,00		16,00		
81,00		81,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 275,55 m
2. Row 276,38 m
3. Row 277,20 m
4. Row 278,03 m
5. Row 278,86 m
6. Row 279,68 m
7. Row 280,51 m

BOX 49 5,74 m **GOOD**

Date:			DIP ANGLE	
280,92 - to - 286,66			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 83,1	83,1	RQD 83,1	Degrees from horizontal	
95,00		95,00	1. Row	80°
98,00		98,00	2. Row	75°
31,00		31,00	3. Row	77°
63,00		63,00	4. Row	65°
94,00		94,00	5. Row	56°
41,00		41,00	6. Row	
55,00		55,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 281,33 m
2. Row 282,15 m
3. Row 282,97 m
4. Row 283,79 m
5. Row 284,61 m
6. Row 285,43 m
7. Row 286,25 m

BOX 50 5,58 m **EXCELLENT**

Date:			DIP ANGLE	
286,66 - to - 292,24			Fractures	Foliation or bedding
RECOVERY				
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,3	99,3	RQD 97,8	Degrees from horizontal	
93,00		93,00	1. Row	
98,00		98,00	2. Row	55°
9,00		9,00	3. Row	38°
8,00			4. Row	80°
77,00		77,00	5. Row	
99,00		99,00	6. Row	78°
90,00		90,00	7. Row	
30,00		30,00		
50,00		50,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 287,06 m
2. Row 287,86 m
3. Row 288,65 m
4. Row 289,45 m
5. Row 290,25 m
6. Row 291,04 m
7. Row 291,84 m

BOX 51	5,66 m	EXCELLENT
---------------	--------	------------------

Date:

292,24 - to - 297,90

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
---------------	---------------	------------------

Fractures

Foliation
or bedding

REC 99,6	99,6	RQD 99,6
97,00		97,00
96,00		96,00
65,00		65,00
27,00		27,00
96,00		96,00
99,00		99,00
63,00		63,00
21,00		21,00

**Degrees from
horizontal**

1. Row	
2. Row	72°
3. Row	56°
4. Row	
5. Row	80°
6. Row	
7. Row	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row	292,64 m
2. Row	293,45 m
3. Row	294,26 m
4. Row	295,07 m
5. Row	295,88 m
6. Row	296,69 m
7. Row	297,50 m

BOX 52	5,83 m	EXCELLENT
---------------	--------	------------------

Date:

297,90 - to - 303,73

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
---------------	---------------	------------------

Fractures

Foliation
or bedding

REC 99,8	99,8	RQD 99,8
99,00		99,00
100,00		100,00
53,00		53,00
43,00		43,00
96,00		96,00
39,00		39,00
54,00		54,00
98,00		98,00

**Degrees from
horizontal**

1. Row	
2. Row	68°
3. Row	56°
4. Row	68°
5. Row	70°
6. Row	59°
7. Row	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row	298,32 m
2. Row	299,15 m
3. Row	299,98 m
4. Row	300,82 m
5. Row	301,65 m
6. Row	302,48 m
7. Row	303,31 m

BOX 53	6,08 m	EXCELLENT
---------------	--------	------------------

Date: 303,73 - to - 309,81			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 94,7	94,7	RQD 94,7	Degrees from horizontal
96,00		96,00	1. Row
52,00		52,00	2. Row
41,00		41,00	3. Row
22,00		22,00	4. Row
73,00		73,00	5. Row
99,00		99,00	6. Row
72,00		72,00	7. Row
24,00		24,00	
97,00		97,00	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 304,16 m |
| 2. Row | 305,03 m |
| 3. Row | 305,90 m |
| 4. Row | 306,77 m |
| 5. Row | 307,64 m |
| 6. Row | 308,51 m |
| 7. Row | 309,38 m |

BOX 54	5,53 m	EXCELLENT
---------------	--------	------------------

Date: 309,81 - to - 315,34			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,5	99,5	RQD 99,5	Degrees from horizontal
98,00		98,00	1. Row 55°
40,00		40,00	2. Row 48°
49,00		49,00	3. Row
98,00		98,00	4. Row 32°
90,00		90,00	5. Row 66°
60,00		60,00	6. Row
25,00		25,00	7. Row
90,00		90,00	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 310,21 m |
| 2. Row | 311,00 m |
| 3. Row | 311,79 m |
| 4. Row | 312,58 m |
| 5. Row | 313,37 m |
| 6. Row | 314,16 m |
| 7. Row | 314,95 m |

BOX 55	5,75 m	EXCELLENT
---------------	---------------	------------------

Date: 315,34 - to - 321,09			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD		Degrees from horizontal
100,0	96,5	95,5		
20,00	NI		1. Row	45°
71,00		71,00	2. Row	
87,00		87,00	3. Row	
6,00			4. Row	32°
100,00		100,00	5. Row	44°
96,00		96,00	6. Row	61°
95,00		95,00	7. Row	
25,00		25,00		
75,00		75,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 315,75 m
2. Row 316,57 m
3. Row 317,39 m
4. Row 318,22 m
5. Row 319,04 m
6. Row 319,86 m
7. Row 320,68 m

BOX 56	5,71 m	EXCELLENT
---------------	---------------	------------------

Date: 321,09 - to - 326,80			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD		Degrees from horizontal
99,6	99,6	99,6		
99,00		99,00	1. Row	
99,00		99,00	2. Row	
29,00		29,00	3. Row	
65,00		65,00	4. Row	
96,00		96,00	5. Row	
95,00		95,00	6. Row	38°
56,00		56,00	7. Row	
30,00		30,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 321,50 m
2. Row 322,31 m
3. Row 323,13 m
4. Row 323,95 m
5. Row 324,76 m
6. Row 325,58 m
7. Row 326,39 m

BOX 57	5,50 m	EXCELLENT
---------------	--------	------------------

Date: 326,80 - to - 332,30			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,5	99,5	RQD 99,5	Degrees from horizontal
97,00		97,00	1. Row
32,00		32,00	2. Row
50,00		50,00	3. Row
95,00		95,00	4. Row 45°
96,00		96,00	5. Row
54,00		54,00	6. Row
35,00		35,00	7. Row
88,00		88,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 327,19 m
2. Row 327,98 m
3. Row 328,76 m
4. Row 329,55 m
5. Row 330,34 m
6. Row 331,12 m
7. Row 331,91 m

BOX 58	6,40 m	EXCELLENT
---------------	--------	------------------

Date: 332,30 - to - 338,70			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 90,2	90,2	RQD 90,2	Degrees from horizontal
97,00		97,00	1. Row 33°
74,00		74,00	2. Row
20,00		20,00	3. Row
98,00		98,00	4. Row
98,00		98,00	5. Row
94,00		94,00	6. Row
96,00		96,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 332,76 m
2. Row 333,67 m
3. Row 334,59 m
4. Row 335,50 m
5. Row 336,41 m
6. Row 337,33 m
7. Row 338,24 m

BOX 59

2,55 m

GOOD

Date:

338,70 - to - 341,25

DIP ANGLE

RECOVERY

Total

Solid

Modified

[cm]

[cm]

[cm]

Fractures

Foliation or bedding

REC		RQD	Degrees from horizontal
80,8	80,8	80,8	
98,00		98,00	1. Row
98,00		98,00	2. Row
10,00		10,00	3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility

1. Row

2. Row

3. Row

4. Row

5. Row

6. Row

7. Row

Measurement at

1. Row

2. Row

3. Row

4. Row

5. Row

6. Row

7. Row

338,88 m

339,25 m

339,61 m

339,98 m

340,34 m

340,70 m

341,07 m

BOX 60

Date:

341,25 - to -

DIP ANGLE

RECOVERY

Total

Solid

Modified

[cm]

[cm]

[cm]

Fractures

Foliation or bedding

REC		RQD	Degrees from horizontal
			1. Row
			2. Row
			3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility

1. Row

2. Row

3. Row

4. Row

5. Row

6. Row

7. Row

Measurement at

1. Row

2. Row

3. Row

4. Row

5. Row

6. Row

7. Row

BOX 59 2,55 m **GOOD**

Date: 338,70 - to - 341,25
RECOVERY
 Total Solid Modified
 [cm] [cm] [cm]

DIP ANGLE

Fractures

Foliation
or bedding

REC	RQD	Degrees from horizontal
80,8	80,8	80,8
98,00	98,00	1. Row
98,00	98,00	2. Row
10,00	10,00	3. Row
		4. Row
		5. Row
		6. Row
		7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 338,88 m
2. Row 339,25 m
3. Row 339,61 m
4. Row 339,98 m
5. Row 340,34 m
6. Row 340,70 m
7. Row 341,07 m

BOX 60 0,00 m **#DIV/0!**

Date: - to -
RECOVERY
 Total Solid Modified
 [cm] [cm] [cm]

DIP ANGLE

Fractures

Foliation
or bedding

REC	RQD	Degrees from horizontal
		1. Row
		2. Row
		3. Row
		4. Row
		5. Row
		6. Row
		7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

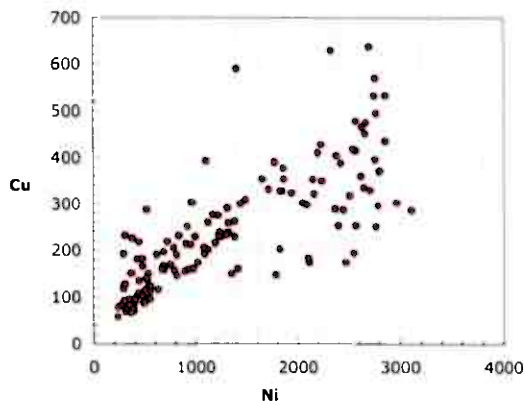
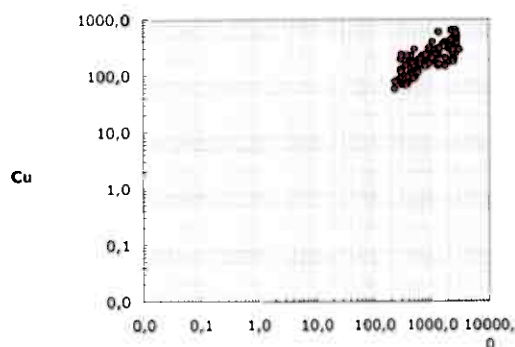
Measurement at

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

YEAR		2007		Info of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen		
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core		
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40,7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter		
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.		
Dip:	-55°	Survey date:	-	by:	-		
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimute	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	-	ALT/DYKE/PEG - Alteration - dyke - pegmatite
B	-	MGN - Gneiss
C	-	NO - Norite
D	-	ONO - Olivinenorite
E	-	OPX - Olivinepyroxenite (Ol-websterite)
F	-	CPX - Olivinepyroxenite (Ol-websterite)
G	-	PRD - Peridotite
H	-	PX - Pyroxenite (Websterite)
I	-	M - Mineralisation
eoh	-	End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	1369,56	250,55
- Median	1145,00	227,50
- Minimum	237,00	58,00
- Maximum	3230,00	750,00
- Standard Deviation	907,43	143,91
- Numbers	150,00	150,00
- Kurtosis	-1,32	0,92
- Skewness	0,41	1,02
- Variance	823431	20709
- Detection Limit	237,00	58,00

SULPHIDES

1.	-	Pyrrhotite	Po.
2.	-	Pentlandite	Pn.
3.	-	Chalcopyrite	Cp.
4.	-	Graphite	Gph.
5.	-	X	X.

ALTERATION

6.	-	Garnet	Grt.
7.	-	Biotite	Bi.
8.	-	Tremolite	Tre.
9.	-	Phlogopite	Phl.
10.	-	Serpentine	Serp.

GEOCHEMISTRY

11.	-	Nickel	Ni	[ppm]
12.	-	Copper	Cu	[ppm]
13.	-	Iron	Fe	[pct]
14.	-	Gold	Au	[ppb]
15.	-	Cobalt	Co	[ppm]

MAGNETIC SUSCEPTIBILITY

16.	-	Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

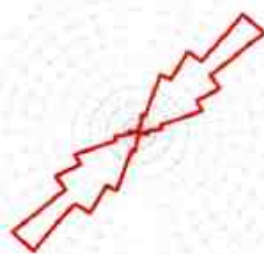
2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

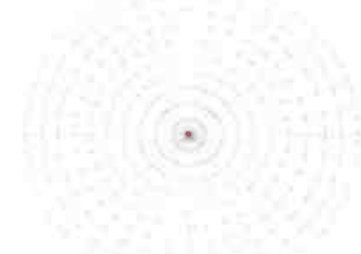
- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	230
- Mean	44,21°
- Standard Deviation	16,13°
- Maximum Petal	14,78 pct.
- Standard Deviation Petal	3,3 pct.

FOLIATION OR BEDDING

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	230
- Mean	44,21°
- Standard Deviation	16,13°
- Maximum Petal	14,78 pct.
- Standard Deviation Petal	3,3 pct.



FRACTURES



FOLIATION OR BEDDING

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:		Ballangen		Location:		Arnes	
Northing:		7583275		Elevation:		249 meter [asl]	
Easting:		581234		Geologist:		Mikkjel Vognsen	
Datum:		WGS84		Logged by:		Mikkjel Vognsen	
Bearing:		330°		Logged date:		21.04.08	
Dip:		-55°		Survey date:		-	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		Project manager:		Søren Lund Jensen	
				Drill method:		Core	
				Core:		BQ TK60/40.7 Diameter: 40,7 mm	
				Length:		344,30 meter	
				Average REC/RQD:		97,1 pct. / 96,4 pct.	
				Casing/overburden:		3,0 meter	
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

[illegible]

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core		
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter		
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.		
Dip:	-55°	Survey date:	-	by:	Casing/overburden:	3,0 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct	Dip angle degree	Geochem					Mag	Sulc. 10	SI
		Description	1/2		Pb	Pb	Cp	Gph	X		Grt	Bio	Tre	Phl	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]			
18				232359													1170	277	10			148			
20				232360													1310	291	11			160		BOX 4	
22				232361													1490	309	11			159			
24				232362													1650	354	10			161			
26				232363																				BOX 5	
28				232364													1860	377	10			163			
30				232365													1850	328	10			157			
32				232366													1940	324	10			157		BOX 6	

BOX 5

BOX 6

YEAR		2007		Log of Borehole			
Drill Date:	30. Aug	Ballangen DDH-07 SH-009					
HOLE ID:	SH-009						
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core		
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter		
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.		
Dip:	-55°	Survey date:		by:		Casing/overburden:	3,0 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautökeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pb	Cu	Gph	X		Grt	Bio	Tre	Phl	Serp			Ni (ppm)	Cu (ppm)	Fe (pct)	Au (ppb)	Co (ppm)	
35				232367					1								2200	410	10		165		
									1														
									1														
									1														
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YEAR	2007	Log of Borehole				SH
Drill Date:	30. Aug	Ballangen DDH-07 SH-009				
HOLE ID:	SH-009					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen	
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core	
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter	
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.	
Dip:	-55°	Survey date:	-	by:	Casing/overburden:	3,0 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						

[illegible]

YEAR	2007	Log of Borehole		SH	
Drill Date:	30. Aug	Ballangen DDH-07 SH-009			
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:	-	by:	-
Contractor:	Casing/overburden: 3,0 meter ☐				
Diamantboring Nerd AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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[illegible]

YEAR	2007		Log of Borehole Ballangen DDH-07 SH-009		
Drill Date:	30. Aug				
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:	-	by:	Casing/overburden: 3,0 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Grt	Blc	Tre	Phl	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
103				232453														782	205	8		111	
104	B 103,6-115,0m: Opxl Opx-dominated pyroxenite. Dark grey- to blackish rock. F mdgrd opx matrix with 5-15 mm opx poikiloblasts.																						
105				232454														1085	192	8		132	
106																							
107				232455														1190	216	7		108	
108																							
109				232456														1410	161	8		117	
110																							
111				232457														1825	203	8		110	
112																							
113				232458														1785	148	9		119	
114																							
115	F 115,0-115,4m: CPXl Cumulus texturedf very cgrd cumulus interval. F 115,4-115,6,1m: CPXl Mdgrd dusty olive green cpx-dominated pyroxenite. Needle-shaped grains show preferred orientation. Relative sharp boundaries. Pinhead size disseminated sulphides. Phaneritic texture.			232459														810	190	8		133	
116																							
117				232460														296	118	8		110	
118				232461														1100	393	13		353	

YEAR	2007	Log of Borehole			
Drill Date:	30. Aug	Ballangen DDH-07 SH-009			
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:	-	by:	-
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338			Casing/overburden:	3,0 meter ☐
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YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen		
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core		
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter		
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.		
Dip:	-55°	Survey date:	-	by:	-	Casing/overburden:	3,0 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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[illegible]

BOX 26

BOX 27

YEAR	2007	Log of Borehole		SH	
Drill Date:	30. Aug	Ballangen DDH-07 SH-009			
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7583275	Elevation:	249 meter (asl)	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97.1 pct. / 96,4 pct.
Dip:	-55°	Survey date:	-	by:	Casing/overburden: 3,0 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

[illegible]

YEAR	2007	Log of Borehole		SH	
Drill Date:	30. Aug	Ballangen DDH-07 SH-009			
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkjel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkjel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:	-	by:	-
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautøkeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338			Casing/overburden:	3,0 meter ☐
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

[illegible]

BOX 32

BOX 33

YEAR	2007		Log of Borehole Ballangen DDH-07 SH-009		
Drill Date:	30. Aug				
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:	-	Casing/overburden:	3,0 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁵ SI
		Description			Po	Pn	Cp	Gph.	X		Grt.	Bl.	Tr.	Ph.	Serp.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
187				232496													2450	288	8		132		
188	H	188,0-206,0m: PX1 F-mdgrd pyroxenite. Opx and cpx mdgrd needle-like preferred orientated grains. Very fgrd disseminated sulphides. Relative sharp boundaries.																					
189				232497													440	218	7		112		
190																							
191				232498													296	192	7		126	BOX 34	
192																							
193				232499													310	232	7		127		
194																							
195				232500													375	226	7		151		
196																							
197				232509													365	151	7		132	BOX 35	
198																							
199				232510													422	181	7		143		
200																							
201				232511													472	182	8		158		
202				232512													475	166	7		161	BOX 36	
203				232513													966	303	10		253		
204																							

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:		Ballangen		Location:		Arnes	
Northing:		7583275		Elevation:		249 meter [asl]	
Easting:		581234		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen	
Bearing:		330°		Logged date:		21.04.08	
Dip:		-55°		Survey date:		-	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		by:		-	
				Project manager:		Søren Lund Jensen	
				Drill method:		Core	
				Core:		BQ TK60/40.7 Diameter: 40,7 mm	
				Length:		344,30 meter	
				Average REC/RQD:		97,1 pct. / 96,4 pct.	
				Casing/overburden:		3,0 meter	
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

[illegible]

YEAR	2007	Log of Borehole				SH
Drill Date:	30. Aug	Ballangen DDH-07 SH-009				
HOLE ID:	SH-009					
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen	
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core	
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter	
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.	
Dip:	-55°	Survey date:	-	by:	-	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338			Casing/overburden:	3,0 meter	☐
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54						

[illegible]

YEAR	2007		Log of Borehole		SH
Drill Date:	30. Aug		Ballangen DDH-07 SH-009		
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:		Casing/overburden:	3,0 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

Depth	Lithology	SUBSURFACE		Sample no. 1/2	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc 10 ⁻³ SI
		Description			Fe	Pb	Cu	Gph.	X		Grt	Bio.	Tre.	Phl.	Serp.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
273				232550														2700	638	10		180	
274				232651														2230	428	9		151	
275				232652														2760	570	10		175	
276				232653														2910	592	10		188	
277																							BOX 49
278																							
279																							
280																							
281																							
282																							BOX 50
283																							
284																							
285																							
286																							
287																							
288																							BOX 51
289																							

A 285,7-287,1m: NO! Pegmatide

10
20

20
10

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen		
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core		
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter		
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.		
Dip:	-55°	Survey date:	-	by:	-	Casing/overburden:	3,0 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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[illegible]

YEAR	2007		Log of Borehole		SH
Drill Date:	30. Aug				
HOLE ID:	SH-009		Ballangen DDH-07 SH-009		
Project:	Ballangen	Location:	Arnes	Project manager:	Soren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:		by:	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338			Casing/overburden:	3,0 meter ☐
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

Depth	Lithology	SUBSURFACE	Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Sulf. 10	St
		Description		Py	Pn	Cp	Gph	X		Ort	Bl	Tr	Phl	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
307																							
308																							
309																							
310																							
311																							
312																							
313																							
314																							
315																							
316																							
317																							
318																							
319																							
320																							
321																							
322																							
323																							

312,3-315,9m: CPX: Pl-bearing cpx-dominated pyroxenite. Apple green, preferred orientated px grains, mdgrd.. Traces of interstitial sulphides.

315,9-320,3m: NOI Felsic norite dyke. Sharp intrusive contacts. Mdgrd pl-opx norite. Traces of fgrd disseminated sulphides.

320,3-330,0m: PX: Spotted cpx-opx pyroxenite. 3-5 mm cpx spots in opx matrix. Preferred orientated minerals.

BOX 55

BOX 56

BOX 57

YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:		Ballangen		Location:		Arnes	
Northing:		7583275		Elevation:		249 meter [asl]	
Easting:		581234		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen	
Bearing:		330°		Logged date:		21.04.08	
Dip:		-55°		Survey date:			
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		Project manager:		Søren Lund Jensen	
				Drill method:		Core	
				Core:		BQ TK60/40.7 Diameter: 40,7 mm	
				Length:		344,30 meter	
				Average REC/RQD:		97,1 pct. / 96,4 pct.	
				Casing/overburden:		3,0 meter	
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

[illegible]

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339

340

H 330.0-341.7m: PX: Mixed pyroxenite. Opx - cpx pl-bearing rock. No sulphides.

BOX 58

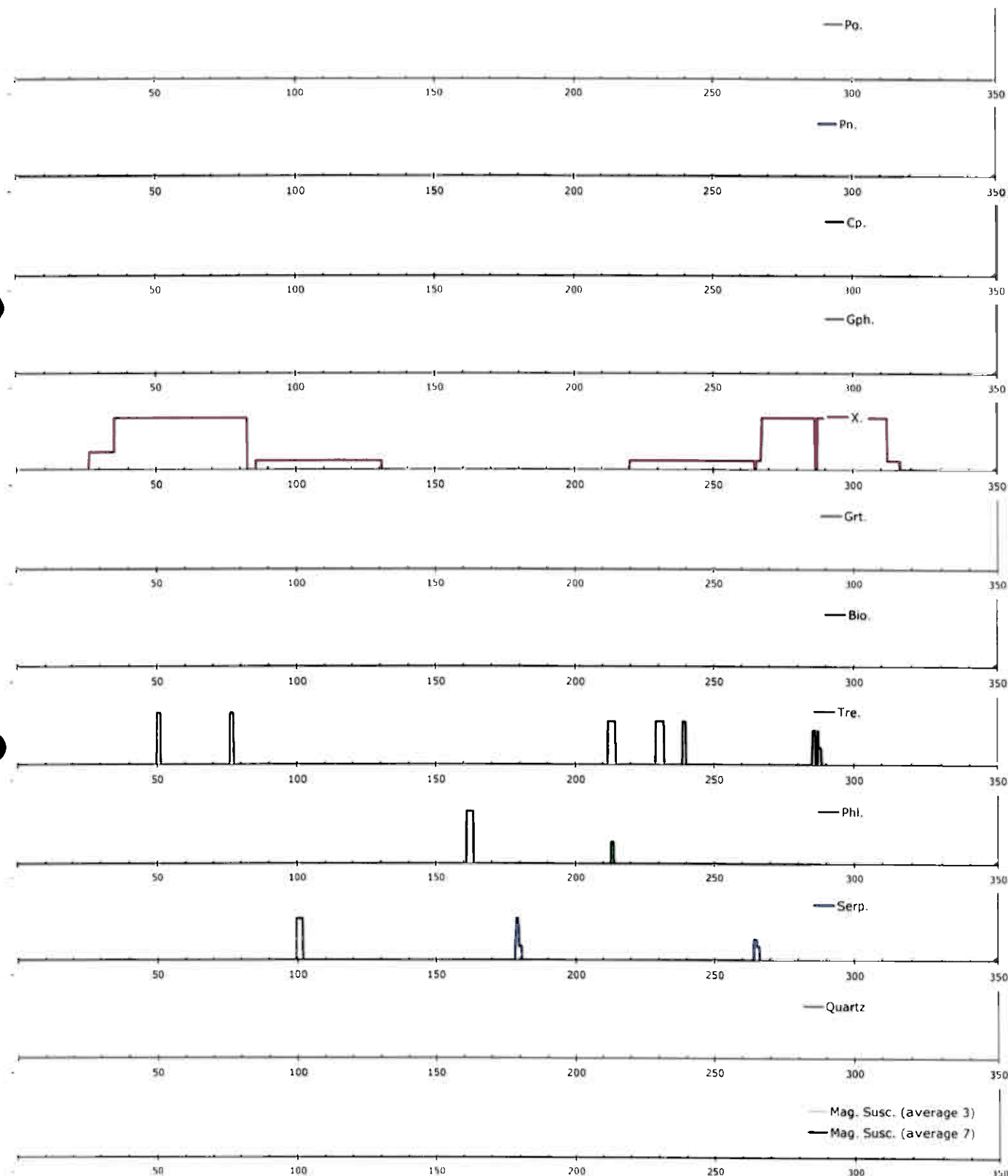
BOX 59

BOX 60

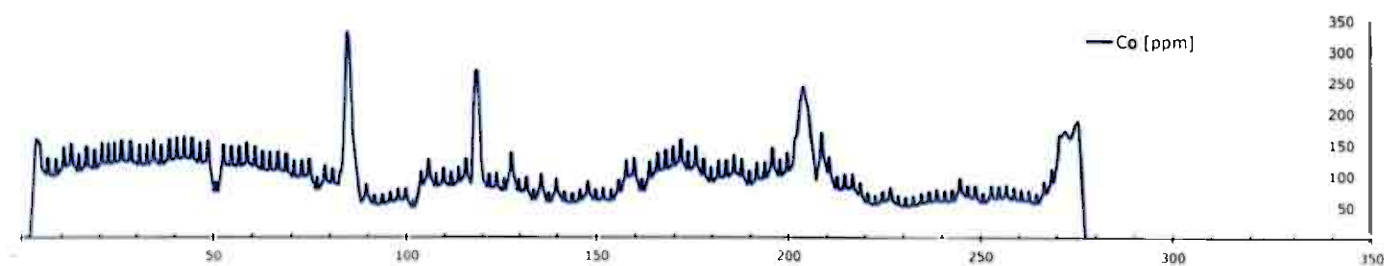
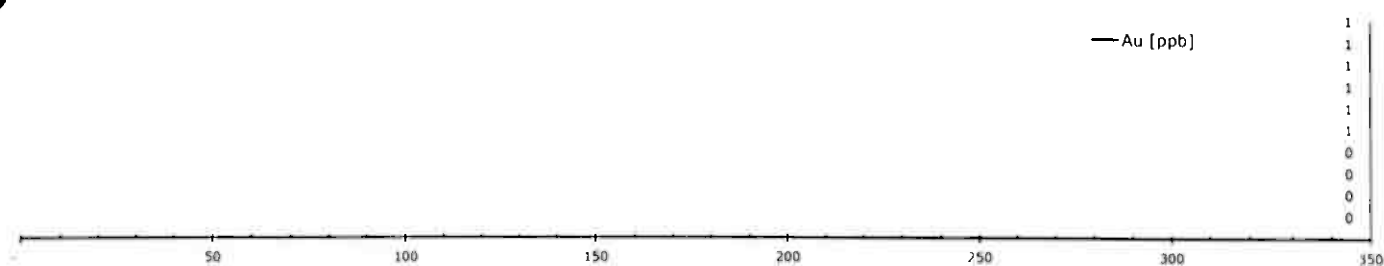
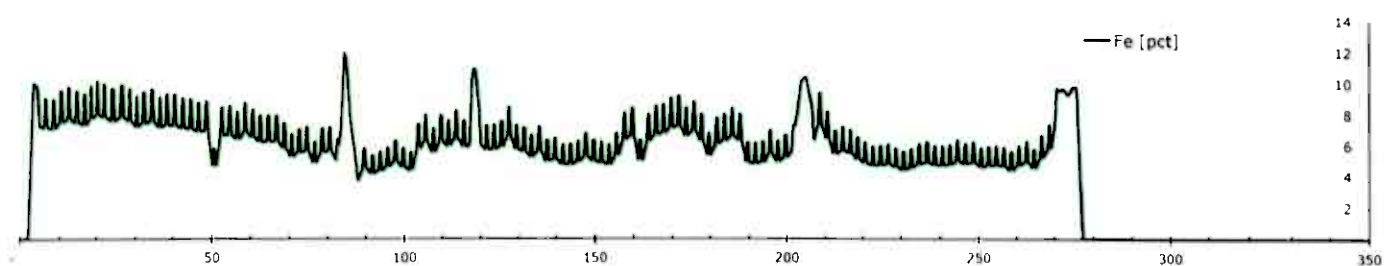
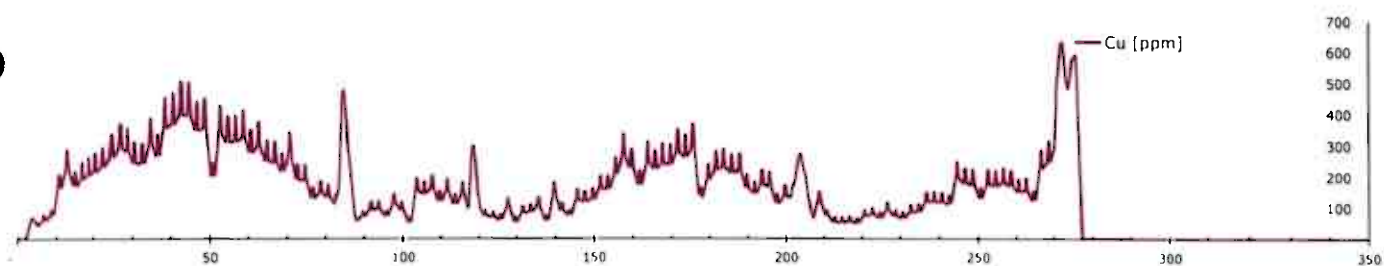
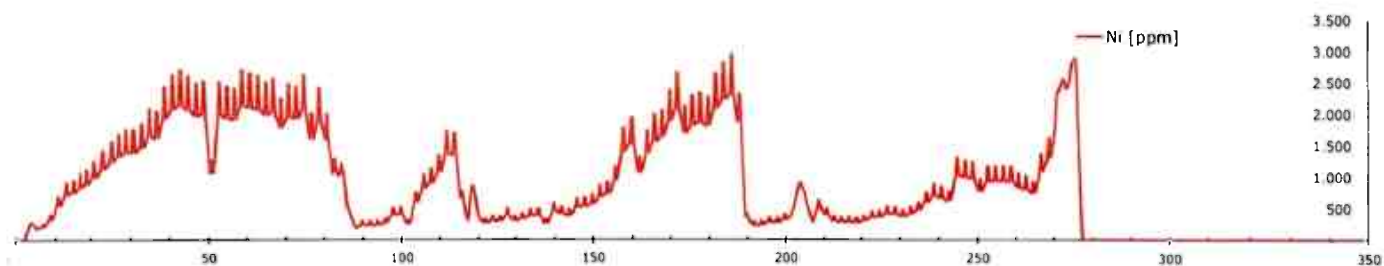
YEAR		2007		Log of Borehole		SH	
Drill Date:		30. Aug		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:		Ballangen		Location:		Arnes	
Northing:		7583275		Elevation:		249 meter [asl]	
Easting:		581234		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen	
Bearing:		330°		Logged date:		21.04.08	
Dip:		-55°		Survey date:			
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338		by:		-	
				Project manager:		Søren Lund Jensen	
				Drill method:		Core	
				Core:		BQ TK60/40.7 Diameter: 40,7 mm	
				Length:		344,30 meter	
				Average REC/RQD:		97,1 pct. / 96,4 pct.	
				Casing/overburden:		3,0 meter	
						☐	
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[illegible]

YEAR		2007		Log of Borehole		SH	
Drill Date:		30 August		Ballangen DDH-07 SH-009			
HOLE ID:		SH-009					
Project:		Ballangen		Location:		Arnes	
Northing:		7583275		Elevation:		249 meter [asl]	
Easting:		581234		Geologist:		Mikkel Vognsen	
Datum:		WGS84		Logged by:		Mikkel Vognsen	
Bearing:		330°		Logged date:		21.04.08	
Dip:		-55°		Survey date:		-	
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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YEAR	2007	Log of Borehole			SH
Drill Date:	30 August	Ballangen DDH-07 SH-009			
HOLE ID:	SH-009				
Project:	Ballangen	Location:	Arnes	Project manager:	Søren Lund Jensen
Northing:	7583275	Elevation:	249 meter [asl]	Drill method:	Core
Easting:	581234	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	344,30 meter
Bearing:	330°	Logged date:	21.04.08	Average REC/RQD:	97,1 pct. / 96,4 pct.
Dip:	-55°	Survey date:	-	by:	-
Contractor:	Casing/overburden: 3,0 meter				
Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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Drill methode: Core
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 344 meter
Casing/Overburden 3,0 meter

BOX 1			5,77 m	EXCELLENT
Date:			DIP ANGLE	
3,03 - to - 8,80			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
98,6	98,6	98,6
96,00	96,00	1. Row
96,00	96,00	2. Row
31,00	31,00	3. Row
65,00	65,00	4. Row 30°
99,00	99,00	5. Row 60°
45,00	45,00	6. Row 60°
44,00	44,00	7. Row
45,00	45,00	
48,00	48,00	

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	3,44 m
2. Row	4,27 m
3. Row	5,09 m
4. Row	5,92 m
5. Row	6,74 m
6. Row	7,56 m
7. Row	8,39 m

BOX 2	5,65 m	EXCELLENT
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Date:			DIP ANGLE	
8,80 - to - 14,45			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,6	95,0	95,0		
97,00		97,00	1. Row	45°
8,00	ni		2. Row	42°
12,00	ni		3. Row	50°
70,00		70,00	4. Row	20°
58,00		58,00	5. Row	55°
32,00		32,00	6. Row	
98,00		98,00	7. Row	
77,00		77,00		
12,00		12,00		
78,00		78,00		
15,00		15,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 9,20 m
2. Row 10,01 m
3. Row 10,82 m
4. Row 11,63 m
5. Row 12,43 m
6. Row 13,24 m
7. Row 14,05 m

BOX 3	5,78 m	EXCELLENT
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Date:			DIP ANGLE	
14,45 - to - 20,23			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,8	98,8	98,8		
55,00		55,00	1. Row	40°
37,00		37,00	2. Row	
94,00		94,00	3. Row	
94,00		94,00	4. Row	40°
99,00		99,00	5. Row	
98,00		98,00	6. Row	
94,00		94,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 14,86 m
2. Row 15,69 m
3. Row 16,51 m
4. Row 17,34 m
5. Row 18,17 m
6. Row 18,99 m
7. Row 19,82 m

BOX 4	5,92 m	EXCELLENT
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Date:			DIP ANGLE	
20,23 - to - 26,15			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,0	99,0	97,8		
7,00			1. Row	
89,00		89,00	2. Row	
98,00		98,00	3. Row	40°
99,00		99,00	4. Row	20°
10,00		10,00	5. Row	40°
87,00		87,00	6. Row	40°
97,00		97,00	7. Row	
99,00		99,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 20,65 m
2. Row 21,50 m
3. Row 22,34 m
4. Row 23,19 m
5. Row 24,04 m
6. Row 24,88 m
7. Row 25,73 m

BOX 5	5,73 m	EXCELLENT
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Date:			DIP ANGLE	
26,15 - to - 31,88			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
19,00		19,00	1. Row	
76,00		76,00	2. Row	60°
94,00		94,00	3. Row	
96,00		96,00	4. Row	45°
29,00		29,00	5. Row	30°
65,00		65,00	6. Row	10°
95,00		95,00	7. Row	
98,00		98,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 26,56 m
2. Row 27,38 m
3. Row 28,20 m
4. Row 29,02 m
5. Row 29,83 m
6. Row 30,65 m
7. Row 31,47 m

BOX 6	5,72 m	EXCELLENT
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Date:			DIP ANGLE	
31,88 - to - 37,60			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
100,0	100,0	100,0	
41,00	41,00	1. Row	50°
52,00	52,00	2. Row	
98,00	98,00	3. Row	
94,00	94,00	4. Row	30°
56,00	56,00	5. Row	20°
38,00	38,00	6. Row	30°
97,00	97,00	7. Row	
96,00	96,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 32,29 m
2. Row 33,11 m
3. Row 33,92 m
4. Row 34,74 m
5. Row 35,56 m
6. Row 36,37 m
7. Row 37,19 m

BOX 7	5,79 m	EXCELLENT
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Date:			DIP ANGLE	
37,60 - to - 43,39			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
97,9	97,9	97,9	
64,00	64,00	1. Row	
30,00	30,00	2. Row	57°
95,00	95,00	3. Row	
97,00	97,00	4. Row	
77,00	77,00	5. Row	48°
14,00	14,00	6. Row	
95,00	95,00	7. Row	
95,00	95,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 38,01 m
2. Row 38,84 m
3. Row 39,67 m
4. Row 40,50 m
5. Row 41,32 m
6. Row 42,15 m
7. Row 42,98 m

BOX 8	5,86 m	EXCELLENT
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Date: 43,39 - to - 49,25			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
100,0	100,0	99,1	
91,00		91,00	1. Row
5,00			2. Row 52°
99,00		99,00	3. Row 60°
100,00		100,00	4. Row
99,00		99,00	5. Row 70°
			6. Row
95,00		95,00	7. Row
97,00		97,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 43,81 m
2. Row 44,65 m
3. Row 45,48 m
4. Row 46,32 m
5. Row 47,16 m
6. Row 47,99 m
7. Row 48,83 m

BOX 9	5,68 m	EXCELLENT
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Date: 49,25 - to - 54,93			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD	Degrees from horizontal
99,8	99,8	98,4	
27,00		27,00	1. Row
68,00		68,00	2. Row 57°
95,00		95,00	3. Row 62°
86,00		86,00	4. Row
8,00			5. Row
94,00		94,00	6. Row
32,00		32,00	7. Row
65,00		65,00	
92,00		92,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 49,66 m
2. Row 50,47 m
3. Row 51,28 m
4. Row 52,09 m
5. Row 52,90 m
6. Row 53,71 m
7. Row 54,52 m

BOX 10	5,67 m	EXCELLENT
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Date:			DIP ANGLE	
54,93 - to - 60,60			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
99,6	99,6	99,6
100,00	100,00	1. Row
40,00	40,00	2. Row
56,00	56,00	3. Row
99,00	99,00	4. Row
89,00	89,00	5. Row 50°
55,00	55,00	6. Row
36,00	36,00	7. Row
90,00	90,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 55,34 m |
| 2. Row | 56,15 m |
| 3. Row | 56,96 m |
| 4. Row | 57,77 m |
| 5. Row | 58,58 m |
| 6. Row | 59,39 m |
| 7. Row | 60,20 m |

BOX 11	5,81 m	EXCELLENT
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Date:			DIP ANGLE	
60,60 - to - 66,41			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
97,8	97,8	97,8
91,00	91,00	1. Row
79,00	79,00	2. Row
13,00	13,00	3. Row
99,00	99,00	4. Row
97,00	97,00	5. Row
91,00	91,00	6. Row
98,00	98,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 61,02 m |
| 2. Row | 61,85 m |
| 3. Row | 62,68 m |
| 4. Row | 63,51 m |
| 5. Row | 64,34 m |
| 6. Row | 65,17 m |
| 7. Row | 66,00 m |

BOX 12			5,63 m	EXCELLENT
Date:			DIP ANGLE	
66,41 - to - 72,04			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal
100,0	100,0	100,0	
96,00		96,00	1. Row
94,00		94,00	2. Row
96,00		96,00	3. Row
99,00		99,00	4. Row
95,00		95,00	5. Row
18,00		18,00	6. Row
65,00		65,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 66,81 m |
| 2. Row | 67,62 m |
| 3. Row | 68,42 m |
| 4. Row | 69,23 m |
| 5. Row | 70,03 m |
| 6. Row | 70,83 m |
| 7. Row | 71,64 m |

BOX 13			5,82 m	EXCELLENT
Date:			DIP ANGLE	
72,04 - to - 77,86			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal
99,3	99,3	99,3	
98,00		98,00	1. Row
98,00		98,00	2. Row
32,00		32,00	3. Row
65,00		65,00	4. Row
97,00		97,00	5. Row
97,00		97,00	6. Row
41,00		41,00	7. Row
50,00		50,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 72,46 m |
| 2. Row | 73,29 m |
| 3. Row | 74,12 m |
| 4. Row | 74,95 m |
| 5. Row | 75,78 m |
| 6. Row | 76,61 m |
| 7. Row | 77,44 m |

BOX 14	5,77 m	EXCELLENT
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Date:			DIP ANGLE	
77,86 - to - 83,63			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
94,6	94,6	94,6		
93,00		93,00	1. Row	
96,00		96,00	2. Row	72°
99,00		99,00	3. Row	
98,00		98,00	4. Row	
98,00		98,00	5. Row	
62,00		62,00	6. Row	53°
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 78,27 m
2. Row 79,10 m
3. Row 79,92 m
4. Row 80,75 m
5. Row 81,57 m
6. Row 82,39 m
7. Row 83,22 m

BOX 15	5,72 m	EXCELLENT
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Date:			DIP ANGLE	
83,63 - to - 89,35			Fractures	Foliation or Bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,5	99,5	99,5		
99,00		99,00	1. Row	
99,00		99,00	2. Row	
68,00		68,00	3. Row	
23,00		23,00	4. Row	58°
95,00		95,00	5. Row	33°
95,00		95,00	6. Row	
90,00		90,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 84,04 m
2. Row 84,86 m
3. Row 85,67 m
4. Row 86,49 m
5. Row 87,31 m
6. Row 88,12 m
7. Row 88,94 m

Drill methode: Core
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 344 meter
Casing/Overburden 3,0 meter

BOX 16 5,95 m **EXCELLENT**

Date: 89,35 - to - 95,30
DIP ANGLE
RECOVERY
Total **Solid** **Modified**
 [cm] [cm] [cm]

Fractures
 Foliation
 or bedding

REC		RQD	Degrees from horizontal
93,6	93,3	92,8	
97,00		97,00	1. Row 47°
100,00		100,00	2. Row 52°
17,00		17,00	3. Row 64°
2,00	ni		4. Row 65°
70,00		70,00	5. Row 68°
91,00		91,00	6. Row 47°
81,00		81,00	7. Row
3,00			
96,00		96,00	

Magnetic Susceptibility

1. Row
 2. Row
 3. Row
 4. Row
 5. Row
 6. Row
 7. Row

Measurement at

1. Row 89,78 m
 2. Row 90,63 m
 3. Row 91,48 m
 4. Row 92,33 m
 5. Row 93,18 m
 6. Row 94,03 m
 7. Row 94,88 m

BOX 17	5,40 m	EXCELLENT
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Date: 95,30 - to - 100,70			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	93,9	RQD 93,9	Degrees from horizontal	
32,00		32,00	1. Row	23°
62,00		62,00	2. Row	56°
92,00		92,00	3. Row	60°
32,00		32,00	4. Row	59°
32,00	ni		5. Row	
26,00		26,00	6. Row	7°
97,00		97,00	7. Row	
96,00		96,00		
70,00		70,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 95,69 m
2. Row 96,46 m
3. Row 97,23 m
4. Row 98,00 m
5. Row 98,77 m
6. Row 99,54 m
7. Row 100,31 m

BOX 18	5,50 m	EXCELLENT
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Date: 100,70 - to - 106,20			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	99,8	RQD 99,8	Degrees from horizontal	
90,00		90,00	1. Row	50°
97,00		97,00	2. Row	28°
95,00		95,00	3. Row	43°
93,00		93,00	4. Row	30°
94,00		94,00	5. Row	
80,00		80,00	6. Row	
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 101,09 m
2. Row 101,88 m
3. Row 102,66 m
4. Row 103,45 m
5. Row 104,24 m
6. Row 105,02 m
7. Row 105,81 m

BOX 19	5,64 m	EXCELLENT
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Date:			DIP ANGLE	
106,20 - to - 111,84			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
98,9	94,5	93,6	
100,00		100,00	1. Row
10,00		10,00	2. Row
78,00		78,00	3. Row
45,00		45,00	4. Row
25,00	ni		5. Row
11,00		11,00	6. Row
9,00		9,00	7. Row
5,00			
93,00		93,00	
37,00		37,00	
55,00		55,00	
90,00		90,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 106,60 m
2. Row 107,41 m
3. Row 108,21 m
4. Row 109,02 m
5. Row 109,83 m
6. Row 110,63 m
7. Row 111,44 m

BOX 20	5,77 m	FAIR
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Date:			DIP ANGLE	
111,84 - to - 117,61			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
73,8	73,8	73,8	
16,00		16,00	1. Row 35°
80,00		80,00	2. Row 40°
28,00		28,00	3. Row
23,00		23,00	4. Row 35°
45,00		45,00	5. Row 40°
42,00		42,00	6. Row 60°
60,00		60,00	7. Row
31,00		31,00	
101,00		101,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 112,25 m
2. Row 113,08 m
3. Row 113,90 m
4. Row 114,73 m
5. Row 115,55 m
6. Row 116,37 m
7. Row 117,20 m

BOX 21	5,43 m	EXCELLENT
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Date:

117,61 - to - 123,04

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 99,3	RQD 99,3
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**Degrees from
horizontal**

57,00	57,00
34,00	34,00
61,00	61,00
29,00	29,00
94,00	94,00
87,00	87,00
39,00	39,00
50,00	50,00
88,00	88,00

1. Row	51°
2. Row	28°
3. Row	
4. Row	45°
5. Row	26°
6. Row	
7. Row	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row	118,00 m
2. Row	118,77 m
3. Row	119,55 m
4. Row	120,33 m
5. Row	121,10 m
6. Row	121,88 m
7. Row	122,65 m

BOX 22	5,50 m	GOOD
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Date:

123,04 - to - 128,54

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 87,6	RQD 87,6
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**Degrees from
horizontal**

96,00	96,00
8,00	
56,00	56,00
41,00	41,00
92,00	92,00
98,00	98,00
47,00	47,00
44,00	44,00

1. Row	60°
2. Row	43°
3. Row	28°
4. Row	15°
5. Row	18°
6. Row	50°
7. Row	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row	123,43 m
2. Row	124,22 m
3. Row	125,00 m
4. Row	125,79 m
5. Row	126,58 m
6. Row	127,36 m
7. Row	128,15 m

BOX 23	5,38 m	EXCELLENT
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Date: 128,54 - to - 133,92			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,3	99,3	RQD 97,8	Degrees from horizontal	
89,00		89,00	1. Row	60°
8,00			2. Row	
95,00		95,00	3. Row	32°
40,00		40,00	4. Row	
24,00		24,00	5. Row	40°
26,00		26,00	6. Row	
12,00		12,00	7. Row	
29,00		29,00		
45,00		45,00		
91,00		91,00		
10,00		10,00		
65,00		65,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 128,92 m
2. Row 129,69 m
3. Row 130,46 m
4. Row 131,23 m
5. Row 132,00 m
6. Row 132,77 m
7. Row 133,54 m

BOX 24	5,75 m	EXCELLENT
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Date: 133,92 - to - 139,67			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,3	98,4	RQD 97,4	Degrees from horizontal	
93,00		93,00	1. Row	81°
84,00		84,00	2. Row	78°
5,00	ni		3. Row	53°
6,00			4. Row	
53,00		53,00	5. Row	60°
41,00		41,00	6. Row	71°
99,00		99,00	7. Row	
99,00		99,00		
79,00		79,00		
12,00		12,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 134,33 m
2. Row 135,15 m
3. Row 135,97 m
4. Row 136,80 m
5. Row 137,62 m
6. Row 138,44 m
7. Row 139,26 m

BOX 25	5,66 m	EXCELLENT
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Date:

139,67 - to - 145,33

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 98,6	98,6	RQD 98,6	Degrees from horizontal	
91,00		91,00	1. Row	60°
97,00		97,00	2. Row	48°
95,00		95,00	3. Row	45°
12,00		12,00	4. Row	80°
80,00		80,00	5. Row	22°
92,00		92,00	6. Row	24°
91,00		91,00	7. Row	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 140,07 m |
| 2. Row | 140,88 m |
| 3. Row | 141,69 m |
| 4. Row | 142,50 m |
| 5. Row | 143,31 m |
| 6. Row | 144,12 m |
| 7. Row | 144,93 m |

BOX 26	5,72 m	GOOD
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Date:

145,33 - to - 151,05

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 81,5	81,5	RQD 81,5	Degrees from horizontal	
34,00		34,00	1. Row	25°
55,00		55,00	2. Row	35°
95,00		95,00	3. Row	70°
67,00		67,00	4. Row	35°
24,00		24,00	5. Row	27°
95,00		95,00	6. Row	
96,00		96,00	7. Row	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|----------|
| 1. Row | 145,74 m |
| 2. Row | 146,56 m |
| 3. Row | 147,37 m |
| 4. Row | 148,19 m |
| 5. Row | 149,01 m |
| 6. Row | 149,82 m |
| 7. Row | 150,64 m |

BOX 27	5,78 m	EXCELLENT
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Date:			DIP ANGLE	
151,05 - to - 156,83			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
97,4	97,4	97,4		
79,00		79,00	1. Row	20°
12,00		12,00	2. Row	36°
95,00		95,00	3. Row	28°
95,00		95,00	4. Row	73°
96,00		96,00	5. Row	38°
12,00		12,00	6. Row	
76,00		76,00	7. Row	
98,00		98,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 151,46 m
2. Row 152,29 m
3. Row 153,11 m
4. Row 153,94 m
5. Row 154,77 m
6. Row 155,59 m
7. Row 156,42 m

BOX 28	6,00 m	EXCELLENT
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Date:			DIP ANGLE	
156,83 - to - 162,83			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
95,2	95,2	94,2		
95,00		95,00	1. Row	22°
6,00			2. Row	
36,00		36,00	3. Row	
50,00		50,00	4. Row	
97,00		97,00	5. Row	38°
99,00		99,00	6. Row	
62,00		62,00	7. Row	
33,00		33,00		
30,00		30,00		
63,00		63,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 157,26 m
2. Row 158,12 m
3. Row 158,97 m
4. Row 159,83 m
5. Row 160,69 m
6. Row 161,54 m
7. Row 162,40 m

BOX 29			5,44 m	EXCELLENT
Date:			DIP ANGLE	
162,83 - to - 168,27			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,6	99,6	99,6		
13,00		13,00	1. Row	56°
82,00		82,00	2. Row	45°
82,00		82,00	3. Row	54°
14,00		14,00	4. Row	50°
95,00		95,00	5. Row	
95,00		95,00	6. Row	28°
81,00		81,00	7. Row	
80,00		80,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 163,22 m
2. Row 164,00 m
3. Row 164,77 m
4. Row 165,55 m
5. Row 166,33 m
6. Row 167,10 m
7. Row 167,88 m

BOX 30			5,67 m	EXCELLENT
Date:			DIP ANGLE	
168,27 - to - 173,94			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,6	99,6	98,2		
98,00		98,00	1. Row	46°
96,00		96,00	2. Row	
8,00			3. Row	61°
87,00		87,00	4. Row	
91,00		91,00	5. Row	42°
95,00		95,00	6. Row	
30,00		30,00	7. Row	
60,00		60,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 168,68 m
2. Row 169,49 m
3. Row 170,30 m
4. Row 171,11 m
5. Row 171,92 m
6. Row 172,73 m
7. Row 173,54 m

Drill methode:	Core
Core:	BQ TK60/40.7
Diameter:	40,7 mm
Length:	344 meter
Casing/Overburden	3,0 meter

BOX 31		5,71 m	EXCELLENT	
Date:			DIP ANGLE	
173,94 - to - 179,65			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD		
98,8	98,8	98,8		
96,00		96,00	1. Row	60°
96,00		96,00	2. Row	60°
39,00		39,00	3. Row	45°
53,00		53,00	4. Row	
96,00		96,00	5. Row	50°
96,00		96,00	6. Row	11°
62,00		62,00	7. Row	
26,00		26,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 174,35 m
2. Row 175,16 m
3. Row 175,98 m
4. Row 176,80 m
5. Row 177,61 m
6. Row 178,43 m
7. Row 179,24 m

BOX 32	5,73 m	EXCELLENT
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Date:			DIP ANGLE	
179,65 - to - 185,38			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
99,3	99,3	99,3	
96,00	96,00	1. Row	45°
100,00	100,00	2. Row	50°
73,00	73,00	3. Row	60°
24,00	24,00	4. Row	
100,00	100,00	5. Row	33°
97,00	97,00	6. Row	35°
54,00	54,00	7. Row	
25,00	25,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 180,06 m
2. Row 180,88 m
3. Row 181,70 m
4. Row 182,52 m
5. Row 183,33 m
6. Row 184,15 m
7. Row 184,97 m

BOX 33	5,87 m	EXCELLENT
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Date:			DIP ANGLE	
185,38 - to - 191,25			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
99,5	99,5	98,6	
100,00	100,00	1. Row	
96,00	96,00	2. Row	
89,00	89,00	3. Row	25°
5,00		4. Row	40°
62,00	62,00	5. Row	35°
45,00	45,00	6. Row	66°
97,00	97,00	7. Row	
80,00	80,00		
10,00	10,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 185,80 m
2. Row 186,64 m
3. Row 187,48 m
4. Row 188,32 m
5. Row 189,15 m
6. Row 189,99 m
7. Row 190,83 m

BOX 34	5,61 m	EXCELLENT
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Date:			DIP ANGLE	
191,25 - to - 196,86			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
100,0	100,0	98,6		
8,00			1. Row	45°
83,00		83,00	2. Row	80°
94,00		94,00	3. Row	35°
93,00		93,00	4. Row	20°
35,00		35,00	5. Row	45°
57,00		57,00	6. Row	35°
95,00		95,00	7. Row	
96,00		96,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 191,65 m
2. Row 192,45 m
3. Row 193,25 m
4. Row 194,06 m
5. Row 194,86 m
6. Row 195,66 m
7. Row 196,46 m

BOX 35	5,56 m	EXCELLENT
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Date:			DIP ANGLE	
196,86 - to - 202,42			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
99,3	99,3	99,3		
47,00		47,00	1. Row	55°
42,00		42,00	2. Row	53°
94,00		94,00	3. Row	45°
96,00		96,00	4. Row	55°
71,00		71,00	5. Row	30°
22,00		22,00	6. Row	
85,00		85,00	7. Row	
95,00		95,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 197,26 m
2. Row 198,05 m
3. Row 198,85 m
4. Row 199,64 m
5. Row 200,43 m
6. Row 201,23 m
7. Row 202,02 m

BOX 36	5,17 m	EXCELLENT
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Date:			DIP ANGLE	
202,42 - to - 207,59			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,6	99,6	99,6		
70,00		70,00	1. Row	50°
17,00		17,00	2. Row	40°
91,00		91,00	3. Row	12°
93,00		93,00	4. Row	45°
87,00		87,00	5. Row	33°
82,00		82,00	6. Row	40°
75,00		75,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 202,79 m
2. Row 203,53 m
3. Row 204,27 m
4. Row 205,01 m
5. Row 205,74 m
6. Row 206,48 m
7. Row 207,22 m

BOX 37	6,18 m	EXCELLENT
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Date:			DIP ANGLE	
207,59 - to - 213,77			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
91,1	91,1	91,1		
94,00		94,00	1. Row	38°
40,00		40,00	2. Row	
53,00		53,00	3. Row	40°
96,00		96,00	4. Row	45°
93,00		93,00	5. Row	50°
56,00		56,00	6. Row	43°
38,00		38,00	7. Row	
39,00		39,00		
54,00		54,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 208,03 m
2. Row 208,91 m
3. Row 209,80 m
4. Row 210,68 m
5. Row 211,56 m
6. Row 212,45 m
7. Row 213,33 m

BOX 38	5,60 m	EXCELLENT
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Date: 213,77 - to - 219,37			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD		Degrees from horizontal
99,8	99,8	99,8		
49,00		49,00	1. Row	24°
13,00		13,00	2. Row	45°
22,00		22,00	3. Row	39°
75,00		75,00	4. Row	40°
20,00		20,00	5. Row	60°
95,00		95,00	6. Row	43°
98,00		98,00	7. Row	
90,00		90,00		
97,00		97,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 214,17 m
2. Row 214,97 m
3. Row 215,77 m
4. Row 216,57 m
5. Row 217,37 m
6. Row 218,17 m
7. Row 218,97 m

BOX 39	5,85 m	EXCELLENT
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Date: 219,37 - to - 225,22			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD		Degrees from horizontal
98,5	98,5	98,5		
97,00		97,00	1. Row	52°
98,00		98,00	2. Row	45°
93,00		93,00	3. Row	42°
98,00		98,00	4. Row	35°
98,00		98,00	5. Row	
11,00		11,00	6. Row	
81,00		81,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 219,79 m
2. Row 220,62 m
3. Row 221,46 m
4. Row 222,30 m
5. Row 223,13 m
6. Row 223,97 m
7. Row 224,80 m

BOX 40	5,74 m	EXCELLENT
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Date: 225,22 - to - 230,96			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,3	99,3	RQD 99,3	Degrees from horizontal	
99,00		99,00	1. Row	65°
98,00		98,00	2. Row	70°
20,00		20,00	3. Row	
75,00		75,00	4. Row	25°
97,00		97,00	5. Row	45°
98,00		98,00	6. Row	45°
37,00		37,00	7. Row	
46,00		46,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 225,63 m
2. Row 226,45 m
3. Row 227,27 m
4. Row 228,09 m
5. Row 228,91 m
6. Row 229,73 m
7. Row 230,55 m

BOX 41	5,59 m	EXCELLENT
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Date: 230,96 - to - 236,55			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 100,0	100,0	RQD 100,0	Degrees from horizontal	
100,00		100,00	1. Row	43°
32,00		32,00	2. Row	41°
56,00		56,00	3. Row	46°
53,00		53,00	4. Row	50°
38,00		38,00	5. Row	50°
98,00		98,00	6. Row	
96,00		96,00	7. Row	
69,00		69,00		
17,00		17,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 231,36 m
2. Row 232,16 m
3. Row 232,96 m
4. Row 233,76 m
5. Row 234,55 m
6. Row 235,35 m
7. Row 236,15 m

BOX 42	5,75 m	EXCELLENT
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Date: 236,55 - to - 242,30			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,3	99,3	RQD 99,3	Degrees from horizontal	
99,00		99,00	1. Row	51°
95,00		95,00	2. Row	65°
79,00		79,00	3. Row	40°
15,00		15,00	4. Row	45°
99,00		99,00	5. Row	
96,00		96,00	6. Row	
88,00		88,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 236,96 m
2. Row 237,78 m
3. Row 238,60 m
4. Row 239,43 m
5. Row 240,25 m
6. Row 241,07 m
7. Row 241,89 m

BOX 43	5,68 m	EXCELLENT
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Date: 242,30 - to - 247,98			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,6	99,6	RQD 99,6	Degrees from horizontal	
95,00		95,00	1. Row	
92,00		92,00	2. Row	
93,00		93,00	3. Row	
96,00		96,00	4. Row	15°
96,00		96,00	5. Row	
94,00		94,00	6. Row	
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 242,71 m
2. Row 243,52 m
3. Row 244,33 m
4. Row 245,14 m
5. Row 245,95 m
6. Row 246,76 m
7. Row 247,57 m

BOX 44			5,72 m	GOOD
Date:			DIP ANGLE	
247,98 - to - 253,70				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
82,3	82,3	82,3
36,00	36,00	1. Row
56,00	56,00	2. Row
94,00	94,00	3. Row 45°
40,00	40,00	4. Row 45°
51,00	51,00	5. Row 60°
99,00	99,00	6. Row
95,00	95,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 248,39 m
2. Row 249,21 m
3. Row 250,02 m
4. Row 250,84 m
5. Row 251,66 m
6. Row 252,47 m
7. Row 253,29 m

BOX 45			5,71 m	EXCELLENT
Date:			DIP ANGLE	
253,70 - to - 259,41				
RECOVERY				
Total	Solid	Modified	Fractures	Foliation or bedding
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
97,4	97,4	97,4
91,00	91,00	1. Row 25°
64,00	64,00	2. Row
28,00	28,00	3. Row 10°
96,00	96,00	4. Row 43°
95,00	95,00	5. Row 70°
94,00	94,00	6. Row 30°
9,00	9,00	7. Row
79,00	79,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 254,11 m
2. Row 254,92 m
3. Row 255,74 m
4. Row 256,56 m
5. Row 257,37 m
6. Row 258,19 m
7. Row 259,00 m

Drill methode:	Core
Core:	BQ TK60/40.7
Diameter:	40,7 mm
Length:	344 meter
Casing/Overburden	3,0 meter

BOX 46	5,29 m	EXCELLENT
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Date:
259,41 - to - 264,70

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures	Foliation or bedding
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REC 99,8	96,2	RQD 96,2	Degrees from horizontal
26,00		26,00	1. Row 25°
18,00		18,00	2. Row
30,00		30,00	3. Row 10°
14,00	ni		4. Row 43°
5,00	ni		5. Row 70°
10,00		10,00	6. Row 30°
74,00		74,00	7. Row
86,00		86,00	
78,00		78,00	
15,00		15,00	
89,00		89,00	
59,00		59,00	
10,00		10,00	
14,00		14,00	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row	259,79 m
2. Row	260,54 m
3. Row	261,30 m
4. Row	262,06 m
5. Row	262,81 m
6. Row	263,57 m
7. Row	264,32 m

BOX 47	5,61 m	EXCELLENT
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Date:			DIP ANGLE	
264,70 - to - 270,31			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,5	99,5	99,5		
90,00		90,00	1. Row	
92,00		92,00	2. Row	40°
94,00		94,00	3. Row	35°
10,00		10,00	4. Row	38°
84,00		84,00	5. Row	50°
65,00		65,00	6. Row	42°
28,00		28,00	7. Row	
95,00		95,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 265,10 m
2. Row 265,90 m
3. Row 266,70 m
4. Row 267,51 m
5. Row 268,31 m
6. Row 269,11 m
7. Row 269,91 m

BOX 48	5,57 m	GOOD
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Date:			DIP ANGLE	
270,31 - to - 275,88			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
83,7	75,8	75,8		
99,00		99,00	1. Row	50°
46,00		46,00	2. Row	70°
22,00	ni		3. Row	90°
18,00		18,00	4. Row	90°
10,00	ni		5. Row	90°
53,00		53,00	6. Row	90°
35,00		35,00	7. Row	
32,00		32,00		
35,00		35,00		
24,00		24,00		
22,00		22,00		
12,00	ni			
58,00		58,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 270,71 m
2. Row 271,50 m
3. Row 272,30 m
4. Row 273,10 m
5. Row 273,89 m
6. Row 274,69 m
7. Row 275,48 m

BOX 49	5,76 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE		
275,88 - to - 281,64					
RECOVERY					
Total	Solid	Modified	Fractures	Foliation or bedding	
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal	
97,2	97,2	96,4		
90,00		90,00	1. Row	65°
87,00		87,00	2. Row	
5,00			3. Row	55°
96,00		96,00	4. Row	65°
98,00		98,00	5. Row	
88,00		88,00	6. Row	35°
22,00		22,00	7. Row	
74,00		74,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 276,29 m
2. Row 277,11 m
3. Row 277,94 m
4. Row 278,76 m
5. Row 279,58 m
6. Row 280,41 m
7. Row 281,23 m

BOX 50	5,76 m	EXCELLENT
---------------	---------------	------------------

Date:			DIP ANGLE		
281,64 - to - 287,40					
RECOVERY					
Total	Solid	Modified	Fractures	Foliation or bedding	
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
98,00		98,00	1. Row	60°
67,00		67,00	2. Row	
33,00		33,00	3. Row	
44,00		44,00	4. Row	30°
51,00		51,00	5. Row	
100,00		100,00	6. Row	45°
98,00		98,00	7. Row	
65,00		65,00		
20,00		20,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 282,05 m
2. Row 282,87 m
3. Row 283,70 m
4. Row 284,52 m
5. Row 285,34 m
6. Row 286,17 m
7. Row 286,99 m

BOX 51	5,67 m	EXCELLENT
---------------	--------	------------------

Date:			DIP ANGLE	
287,40 - to - 293,07			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 99,6	99,6	RQD 99,6	Degrees from horizontal	
100,00		100,00	1. Row	5°
98,00		98,00	2. Row	45°
86,00		86,00	3. Row	30°
11,00		11,00	4. Row	40°
95,00		95,00	5. Row	35°
93,00		93,00	6. Row	55°
82,00		82,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 287,81 m
2. Row 288,62 m
3. Row 289,43 m
4. Row 290,24 m
5. Row 291,05 m
6. Row 291,86 m
7. Row 292,67 m

BOX 52	5,64 m	EXCELLENT
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Date:			DIP ANGLE	
293,07 - to - 298,71			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC 99,3	99,3	RQD 99,3	Degrees from horizontal	
27,00		27,00	1. Row	
66,00		66,00	2. Row	35°
95,00		95,00	3. Row	45°
100,00		100,00	4. Row	
40,00		40,00	5. Row	
55,00		55,00	6. Row	40°
95,00		95,00	7. Row	
82,00		82,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 293,47 m
2. Row 294,28 m
3. Row 295,08 m
4. Row 295,89 m
5. Row 296,70 m
6. Row 297,50 m
7. Row 298,31 m

BOX 53	5,61 m	GOOD
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Date:			DIP ANGLE	
298,71 - to - 304,32			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
84,1	84,1	84,1
58,00	58,00	1. Row 45°
37,00	37,00	2. Row 45°
96,00	96,00	3. Row
77,00	77,00	4. Row
16,00	16,00	5. Row
95,00	95,00	6. Row 40°
93,00	93,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 299,11 m
2. Row 299,91 m
3. Row 300,71 m
4. Row 301,52 m
5. Row 302,32 m
6. Row 303,12 m
7. Row 303,92 m

BOX 54	5,72 m	EXCELLENT
---------------	--------	------------------

Date:			DIP ANGLE	
304,32 - to - 310,04			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
99,7	99,7	99,7
97,00	97,00	1. Row
95,00	95,00	2. Row
100,00	100,00	3. Row
96,00	96,00	4. Row
13,00	13,00	5. Row 45°
76,00	76,00	6. Row
93,00	93,00	7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 304,73 m
2. Row 305,55 m
3. Row 306,36 m
4. Row 307,18 m
5. Row 308,00 m
6. Row 308,81 m
7. Row 309,63 m

BOX 55	5,60 m	EXCELLENT
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Date:			DIP ANGLE	
310,04 - to - 315,64			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,9	98,9	98,9		
93,00		93,00	1. Row	50°
40,00		40,00	2. Row	
56,00		56,00	3. Row	58°
96,00		96,00	4. Row	
97,00		97,00	5. Row	
52,00		52,00	6. Row	58°
40,00		40,00	7. Row	
80,00		80,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 310,44 m
2. Row 311,24 m
3. Row 312,04 m
4. Row 312,84 m
5. Row 313,64 m
6. Row 314,44 m
7. Row 315,24 m

BOX 56	5,63 m	EXCELLENT
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Date:			DIP ANGLE	
315,64 - to - 321,27			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,6	99,6	99,6		
96,00		96,00	1. Row	40°
70,00		70,00	2. Row	50°
23,00		23,00	3. Row	
92,00		92,00	4. Row	
96,00		96,00	5. Row	
92,00		92,00	6. Row	38°
92,00		92,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 316,04 m
2. Row 316,85 m
3. Row 317,65 m
4. Row 318,46 m
5. Row 319,26 m
6. Row 320,06 m
7. Row 320,87 m

BOX 57	5,82 m	EXCELLENT
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Date:

321,27 - to - 327,09

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 99,5	99,5	RQD 99,5	Degrees from horizontal
98,00		98,00	1. Row 35°
97,00		97,00	2. Row
9,00		9,00	3. Row 20°
88,00		88,00	4. Row 45°
98,00		98,00	5. Row 20°
60,00		60,00	6. Row 30°
33,00		33,00	7. Row
96,00		96,00	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 321,69 m
2. Row 322,52 m
3. Row 323,35 m
4. Row 324,18 m
5. Row 325,01 m
6. Row 325,84 m
7. Row 326,67 m

BOX 58	5,81 m	EXCELLENT
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Date:

327,09 - to - 332,90

DIP ANGLE

RECOVERY

Total [cm]	Solid [cm]	Modified [cm]
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Fractures

Foliation
or bedding

REC 99,7	99,7	RQD 98,3	Degrees from horizontal
97,00		97,00	1. Row 30°
86,00		86,00	2. Row 30°
8,00			3. Row 25°
99,00		99,00	4. Row 35°
99,00		99,00	5. Row 40°
81,00		81,00	6. Row 45°
10,00		10,00	7. Row
99,00		99,00	

**Magnetic
Susceptibility**

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 327,51 m
2. Row 328,34 m
3. Row 329,17 m
4. Row 330,00 m
5. Row 330,83 m
6. Row 331,66 m
7. Row 332,49 m

BOX 59	5,84 m	EXCELLENT
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Date:			DIP ANGLE	
332,90 - to - 338,74			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	98,6		
97,00		97,00	1. Row	40°
88,00		88,00	2. Row	25°
7,00			3. Row	55°
98,00		98,00	4. Row	20°
98,00		98,00	5. Row	40°
98,00		98,00	6. Row	48°
12,00		12,00	7. Row	
85,00		85,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 333,32 m
2. Row 334,15 m
3. Row 334,99 m
4. Row 335,82 m
5. Row 336,65 m
6. Row 337,49 m
7. Row 338,32 m

BOX 60	5,64 m	EXCELLENT
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Date:			DIP ANGLE	
338,74 - to - 344,38			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,6	99,6	99,6		
99,00		99,00	1. Row	60°
97,00		97,00	2. Row	
32,00		32,00	3. Row	
64,00		64,00	4. Row	35°
52,00		52,00	5. Row	60°
40,00		40,00	6. Row	30°
95,00		95,00	7. Row	
83,00		83,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

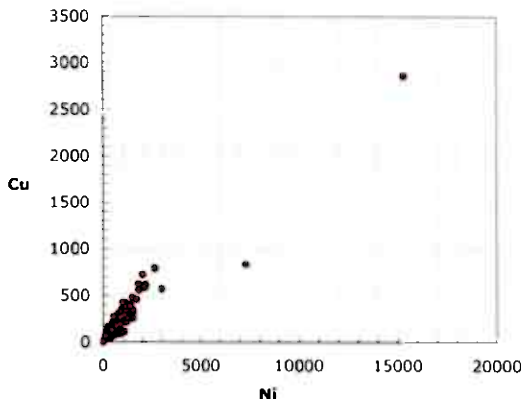
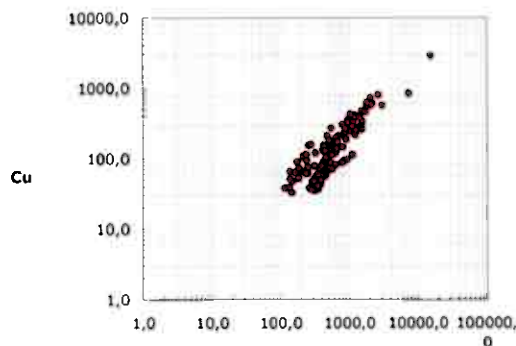
1. Row 339,14 m
2. Row 339,95 m
3. Row 340,75 m
4. Row 341,56 m
5. Row 342,37 m
6. Row 343,17 m
7. Row 343,98 m

YEAR		2007		Info of Borehole		SH	
Drill Date: 08. Sep				Ballangen DDH-07 SH-010			
HOLE ID: SH-010							
Project: Ballangen		Location: Rånbøgen		Project manager: Søren Lund Jensen			
Northing: 7583359		Elevation: 495 meter [asl]		Drill method: Core			
Easting: 584250		Geologist: Mikkel Vognsen		Core: BQ TK60/40.7 Diameter: 40,7 mm			
Datum: WGS84		Logged by: Mikkel Vognsen		Length: 222,20 meter			
Bearing: 175°		Logged date: 18. april 2008		Average REC/RQD: 97,5 pct. / 96,4 pct.			
Dip: -45°		Survey date: -		Casing/overburden: 6,9 meter			
Contractor: Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338							
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

COMMENTS/PURPOSE

Testing of core zone of significant EM anomaly identified from SkyTEM 2005 and 2006

SULPHIDES					Quartz	ALTERATION					Recovery pct	Dip angle degree	GEOCHEMISTRY					Mag. Susc. 10 ⁻³ SI
Po.	Pn.	Cp.	Gph.	X.		Grt.	Bt.	Phl.	Tr.	Serp.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	



DDH ORIENTATION / DIP-TEST

Tool Measurements	No measurements		
- Azimute	n.a	n.a	n.a
- Dip	n.a	n.a	n.a
- Depth	n.a	n.a	n.a

LITHOLOGY

A	-	ALT/DYKE/PEG - Alteration - dyke - pegmatite
B	-	MGN - Gneiss
C	-	NO - Norite
D	-	ONO - Olivinenorite
E	-	OPX - Olivinepyroxenite (Ol-websterite)
F	-	CPX - Olivinepyroxenite (Ol-websterite)
G	-	PRD - Peridotite
H	-	PX - Pyroxenite (Websterite)
I	-	M - Mineralisation
eoh	-	End of Hole

DESCRIPTIVE STATISTIC

	Ni	Cu
- Mean	850,30	194,16
- Median	457,50	100,50
- Minimum	117,00	33,00
- Maximum	15300,00	2860,00
- Standard Deviation	1547,61	296,29
- Numbers	122,00	122,00
- Kurtosis	65,67	54,44
- Skewness	7,49	6,40
- Variance	2395096	87788
- Detection Limit	117,00	33,00

SULPHIDES

1.	-	Pyrrhotite	Po.
2.	-	Pentlandite	Pn.
3.	-	Chalcopyrite	Cp.
4.	-	Graphite	Gph.
5.	-	X	X.

ALTERATION

6.	-	Garnet	Grt.
7.	-	Biotite	Bt.
8.	-	Phlogopite	Phl.
9.	-	Tremolite	Tr.
10.	-	Serpentine	Serp.

GEOCHEMISTRY

11.	-	Nickel	Ni	[ppm]
12.	-	Copper	Cu	[ppm]
13.	-	Iron	Fe	[pct]
14.	-	Gold	Au	[ppb]
15.	-	Cobalt	Co	[ppm]

MAGNETIC SUSCEPTIBILITY

16.	-	Magnetic Susceptibility	Mag. Susc. 10 ⁻³ SI	MS
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ROSE DIAGRAM

2-DIMENSIONAL ORIENTATION ANALYSES

FRACTURES

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	172
- Mean	56,75°
- Standard Deviation	15,82°
- Maximum Petal	11,63 pct.
- Standard Deviation Petal	3,2 pct.

FOLIATION OR BEDDING

- Calculation Methode	Frequency
- Class Interval	10°
- Data Type	Bidirectional
- Population	172
- Mean	56,75°
- Standard Deviation	15,82°
- Maximum Petal	11,63 pct.
- Standard Deviation Petal	3,2 pct.



FRACTURES



FOLIATION OR BEDDING

YEAR		2007		Log of Borehole		SH	
Drill Date:		08. Sep		Ballangen DDH-07 SH-010			
HOLE ID:		SH-010					
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Core		
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	222,20 meter		
Bearing:	175°	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.		
Dip:	-45°	Survey date:	-	by:	-	Casing/overburden:	6,9 meter
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautøkeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem				
		Description	1/2		Po	Pn	Cp	Gph	X		Grt	Bl	Pl	Tre	Serp			Ni (ppm)	Cu (ppm)	Fe (pct)	Au (ppb)	Co (ppm)
17				232708													501	74	10		132	
18																						
19				232709													440	79	9		119	
20	A 19.7-20.4m: Nonte pegmatites. Three 10 cm wide. No alteration of siderock. G																					
21				232710													539	86	10		137	
22																						
23				232711													452	62	10		121	
24																						
25	A 24.4-26.0m: Nonte pegmatite. No alteration of adjacent peridotite. G			232712													309	79	8		90	
26																						
27				232713													286	47	8		87	
28																						
29				232714													423	62	9		115	
30	A 29.9-32.1m: Nonte pegmatite! Pl matrix with very cgrd cpx grains rimmed by amphib? Cpx content near 60%. Sharp boundaries. Weak mineral orientation in smaller sections. G																					
31				232715													184	53	5		61	
32	A 32.6-32.8m: Nonte pegmatite. Altered PRD fragments G 32.8-34.5m: PRD! Altered peridotite section																					
33				232716													576	115	8		112	

YEAR	2007	Log of Borehole		SH	
Drill Date:	08. Sep	Ballangen DDH-07 SH-010			
HOLE ID:	SH-010	Location:	Ranbøgen	Project manager:	Søren Lund Jensen
Project:	Ballangen	Elevation:	495 meter [asl]	Drill method:	Core
Northing:	7583359	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Easting:	584250	Logged by:	Mikkel Vognsen	Length:	222,20 meter
Datum:	WGS84	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.
Bearing:	175°	Survey date:	-	Casing/overburden:	6,9 meter ☐
Dip:	-45°				
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54					

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁵ SI	
		Description			Po	Pn	Cp	Gph	X		Grt	Bit	Phl	Tre	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]		
35				232717														333	56	6		74		
36	B	36.5-37.7m: Gneiss! Assimilated grt-bt-qtz fsp rock with relic foliation. Sharp boundaries to the semialtered peridotite. Not intrusive.																					BOX 6	
37	G	37.7-39.0m: PRD! Semialtered peridotite. Typically <cm phi filled veins cut the core @ irregular angles.																	262	38	7		82	
38																								
39	G	39.0-41.0m: PRD! Alteration zone. Breccia? - not likely. Grades out relatively sharp above and below. The magmatic breccia is characterised by f.mgrd light greenish semialtered matrix with larger pyroxene grains 1-20mm in suspension. See photo serie. smaller PRD fragments seems to be transported/cumulating - neocumulate sample 232719 for CMP. Phi filled veins are common. pox poikilitic texture.																						
40																								
41		41.0-52.4m: PRD! Dark greenish peridotite. This is the continuation of the PRD unit starting @ 39.0m. Few opx poikiloblasts occur erratically (1-100mm). Few < cm phi filled veins and micro shear zones.																	346	37	8		99	
42																							BOX 7	
43				232721															311	51	9		101	
44																								
45	A G	44.6-44.8m: Nonte pegmatite. Very cgrd cpx (opx core)																	512	144	10		130	
46																								
47		46.2-46.4m: Mineralisation! <1cm wide massive sulphides frozen droplet? Feisic veining nearby may be associated																						
48				232723															444	71	11		128	BOX 8
49																								
50				232724															478	70	10		130	

YEAR2007

Drill Date:08. Sep

HOLE ID:SH-010

Project:Ballangen

Northing:7583359

Easting:584250

Datum:WGS84

Bearing:175°

Dip:-45°

Contractor:Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338

Log of Borehole

Ballangen DDH-07 SH-010

SH

Location:Rånåsen

Elevation:495 meter [asl]

Geologist:Mikkel Vognsen

Logged by:Mikkel Vognsen

Logged date:18. april 2008

Survey date:

Project manager:Søren Lund Jensen

Drill method:Core

Core:BQ TK60/40.7

Diameter:40,7 mm

Length:222,20 meter

Average REC/RQD:97,5 pct. / 96,4 pct.

Casing/overburden:6,9 meter

Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
		Description			Po	Pn	Cp	Gph	X		Gt	Bl	Phl	Tre	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
51				232725														373	69	9		114	
52	A	52.4-53.2m: Breccia! Subangular to rounded peridotite fragments with pale reaction rims in suspension in mafic nortitic magma matrix. The matrix wraps the weakly mineralised fragments, showing magmatic foliation. Grt aggregate veins parallel with the cpx > pl matrix. Matrix is characterised by mgrd diopsidic? cpx and pl laths. Sulphides present as remobilised fillings in micro fractures.							2 2 2														
53	G	53.2-57.4m: PRDI Dark blackish rock with a faint green of dominated assemblage. Weak but consistent mineral orientation defined by orientated opx. The peridotite may have a pyroxenitic composition in places. Numerous <cm thick phl-filled fractures / micro shear zones, producing minor alteration of adjacent rock. opx poikiloblastic texture.		232726																			BOX 9
55				232727														375	42	10		134	
57				232728								10 20 20 10						396	54	9		127	
58		58.0m: Mineralisation. Fgrd disseminated sulphide patch. Frozen droplet. 58.8m: Mineralisation. Fgrd disseminated sulphide patch. Frozen droplet.							2 2						15								
59				232729														388	46	10		131	BOX 10
60		59.9m: Mineralisation. Fgrd disseminated sulphide patch. Frozen droplet.							1 1														
61				232730														346	45	9		121	
63				232731														402	54	9		114	
64												5 15 15 15 15 15 5											
65				232732														319	46	8		106	BOX 11
67				232733														422	90	10		118	

YEAR		2007		Log of Borehole		SH	
Drill Date:		08. Sep		Ballangen DDH-07 SH-010			
HOLE ID:		SH-010					
Project:	Ballangen	Location:	Rainbogen	Project manager:	Soren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Core		
Eastng:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	222,20 meter		
Bearing:	175°	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.		
Dip:	-45°	Survey date:		by:	Casing/overburden:	6,9 meter ☐	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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Depth	Lithology	SUBSURFACE	Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻⁸ SI
		Description		Po	Pn	Cp	Gph	X		Grt	Bl	Phl	Tre	Serp.			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
69			232734													457	64	9		122		
70																						
71		71.0-73.0m: Possibly a less well defined breccia. Altered. Few peridotite fragments surrounded by altered peridotite. Pale violet mm thin leached veins. Qtz veins and phl often occur in association with altered peridotite sections.																			BOX 1	
72																						
73			232736													390	52	10		117		
74																						
75		75.0m: Mineralisation. Fgnd disseminated sulphide patch Frozen droplet.	232737						1							464	104	10		123		
76																					BOX 1	
77			232738													508	74	10		130		
78																						
79			232739													458	58	10		124		
80																						
81			232740													433	58	9		124		
82																					BOX 1	
83			232741													387	50	9		120		
84																						

YEAR	2007	Log of Borehole		SH	
Drill Date:	08. Sep				
HOLE ID:	SH-010	Ballangen DDH-07 SH-010			
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen
Northing:	7583359	Elevation:	495 meter (asl)	Drill method:	Core
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	222,20 meter
Bearing:	175°	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.
Dip:	-45°	Survey date:		by:	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
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Depth	Lithology	SUBSURFACE Description	Sample no. 1/2	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 SI
				Pb	Ph	Cp	Gph	X		Grt	Bl	Phl.	Tre.	Serp.		Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
85			232742													396	59	10		122	
86																					
87			232743													307	48	9		97	
88	D	87.4-88.3m: ONO! Mafic lgnd near aphanitic dyke. Sharp intrusive contacts. No alteration of adjacent rock.																			BOX 15
89	G	88.3-94.8m: PRD!																			
90			232744													347	41	10		117	
91																					
92			232745													316	35	9		108	
93																					
94			232746													355	60	10		111	BOX 16
95		94.2m: Mineralisation. Fgnd disseminated sulphide patch						1													
96	C	94.8-95.0m: NO! Felsic nonte dyke.																			
97	G	95.0-95.6m: PRD!	232747													284	36	9		95	
98	G	95.6-97.4m: Mixed PRD and smaller intrusive apophyses. No alteration																			
99																					
100			232748													321	121	6		67	
101	D	Nonte dyke swarm. Multiple dyke swarm starting with a mafic nonte @ 97.4-97.8. sharp intrusive contacts. See photo.																			
102	D	97.8-98.2m: ONO! Mafic nonte. Intrusive contacts																			
103	D	98.2-98.6m: ONO!																			
104	D	98.6-100.5m: ONO! Mafic nonte with partly digested peridotite fragments @ 98.7m. The former fragments were sulphide mineralised - now seen as mafic shadows in the nonte with lgnd disseminated sulphides.	232749													214	106	4		50	BOX 17
105																					
106	C	100.5-114.0m: NO! Felsic nonte (pl>cp>ol) f.mgnd rock with a delicate and clear magmatic foliation and banding.																			
107			232750													141	66	5		46	

YEAR		2007		Log of Borehole										SH																							
Drill Date:		08. Sep		Ballangen DDH-07 SH-010																																	
HOLE ID:		SH-010																																			
Project:		Ballangen		Location:		Rånbogen		Project manager:		Søren Lund Jensen		Drill method:		Core		Core:		BQ TK60/40.7		Diameter:		40,7 mm		Length:		222,20 meter		Average REC/RQD:		97,5 pct. / 96,4 pct.		Casing/overburden:		6,9 meter			
Northing:		7583359		Elevation:		495 meter (asl)		Geologist:		Mikkel Vognsen		Logged by:		Mikkel Vognsen		Logged date:		18. april 2008		Survey date:				by:													
Easting:		584250		Datum:		WGS84		Bearing:		175°		Dip:		-45°		Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																			
Datum:		WGS84		Bearing:		175°		Dip:		-45°		Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																							
Bearing:		175°		Dip:		-45°		Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																											
Dip:		-45°		Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																															
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338																																			
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Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration					Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI														
		Description			Py	Pn	Cp	Gph	Xc		Grt	Bit	Phl	Trc	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]															
136.0m	A	Norte peg. Pl-cpx. Magmatic foliation.																																			
136.0-138.0m	G	Disseminated fgrd sulphides in PRD intervals. The section is characterised by numerous minor felsic veins/veinlets and pegmatites. Few larger cpx sulphide aggregates associated with cumulus intervals i.e. larger cpx grains.		232768																																	
137.2-139.3m	I	Mineralisation: Both fgrd disseminated and net textured sulphides in cpx rich vein. Remobilised sulphides. Sharp intrusive boundaries.		232770																																	
139.4-139.6m	A	Norte peg. Pl-cpx. Magmatic foliation.																																			
139.6-140.0m	G	Remobilised sulphide aggregates, associated with cpx in cgrd minor pegmatites.																																			
140.0-140.4m		Remobilised sulphide aggregates associated with cpx in cgrd minor pegmatites.		232771																														BOX 24			
140.4-141.4m	A	Norte peg. Very cgrd cpx-pl pegmatite. No																																			
141.6-142.0m	G	Grt aggregate with granular sulphides in altered interval. From 141.0-142.0m grt filled veins/string out grt aggregates in altered fgrd greenish mineral assemblage.																																			
142.2-143.0m	I	Mineralisation: Massive sulphides. Mineralisation is associated with garnet. The presence of grt may indicate assimilation and possibly remobilisation of sulphides.		232773																																	
143.8-144.2m	G	Remobilised sulphides, in altered fgrd greenish assemblage. Mm thin sulphide veins perpendicular to alt. zone.		232775																																	
145.2m		Chunky sulphide aggregates, in phl filled shear		232776																																	
146.8-149.2m		Fgrd disseminated sulphides in PRD. Few intervals with well developed net textured sulphides.		232778																																	
150.3-155.5m	C	Felsic northic dyke. Pronounced magmatic foliation. Pl-rich mgfd matrix of cpx defining the magmatic texture. The upper contact is defined by minor alteration.		232781																																	
150.6-155.3m		traces of fgrd disseminated sulphides. Pin head size interstitial sulphides.		232782																																	
152.0m				232783																														BOX 26			

YEAR		2007	Log of Borehole			
Drill Date:	08. Sep		Ballangen DDH-07 SH-010			
HOLE ID:	SH-010					
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen	
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Core	
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter: 40.7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	222,20 meter	
Bearing:	175°	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.	
Dip:	-45°	Survey date:	-	by:	Casing/overburden:	6,9 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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SH

Depth	Lithology	SUBSURFACE		Sample no.	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem				
		Description	Po		Py	Cp	Gph	X	Grt		Bt	Phl	Tre	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]
171				232798													412	87	3		37
173				232799													248	62	3		35
175	C	175.0m NO? Semialtered		232800								10 10 10 10 10									BOX 3
176		176.0m: Digested PRD fragment Cpx serp-bt rich rock with fgrd disseminated sulphides		232801					4								1730	455	8		100
177		177.0m: Digested PRD fragment Cpx serp-bt rich rock with fgrd disseminated sulphides		232802					2								1220	215	8		82
178		Grt bearing fgrd bt pl rock (fgrd schist). Heavy alteration of adjacent rock.		232803						5							529	115	9		101
179	G	178.2-191.2m PRD! Mgrd dark greyish peridotite with pyroxene poikiloblasts (5-20 mm). Typically with a cpx core and opx rim. The unit is cut by smaller nontic pegmatites. In general the PRD unit is weakly serpentinitised throughout.							1 1												
180				232804													400	79	10		110
182				232805					2								798	146	8		100
183	A G	182.4m Alteration? Grt present as aggregates								5		15 5 50 15 15 5									
184				232806													637	122	9		105
186	A G	185.8m Alteration Shear zone!		232807								10 15 10					1400	382	10		139
187									2 2												BOX 3

SH[illegible]

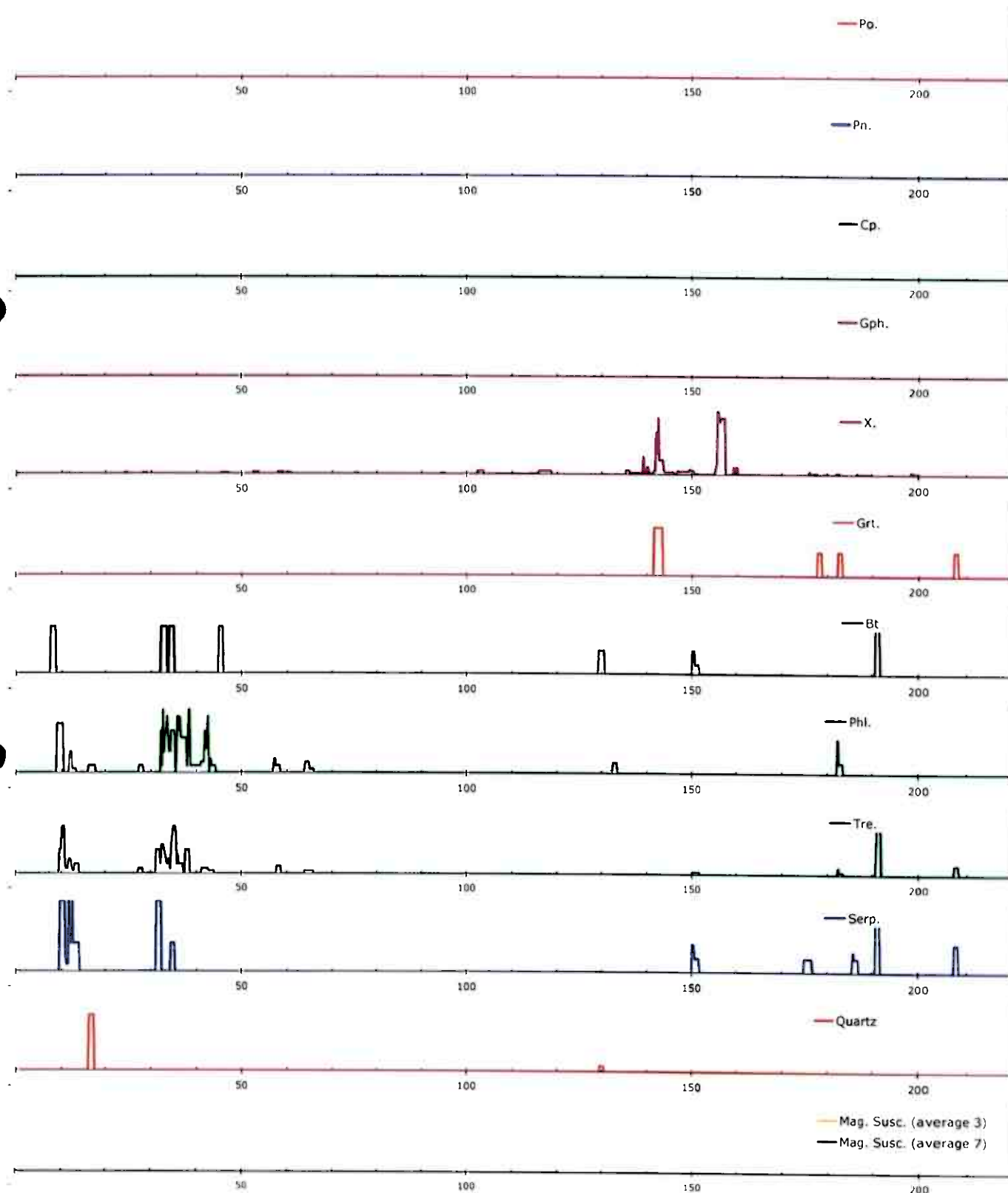
YEAR	2007		Log of Borehole		SH
Drill Date:	08. Sep				
HOLE ID:	SH-010		Ballangen DDH-07 SH-010		
Project:	Ballangen	Location:	Ranbogen	Project manager:	Soren Lund Jensen
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Core
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	222,20 meter
Bearing:	175°	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.
Dip:	-45°	Survey date:		Casing/overburden:	6,9 meter ☐
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338				
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Depth	Lithology	SUBSURFACE Description	Sample no. 1/2	Sulphides					Quartz	Alteration				Recovery pct.	Dip angle degree	Geochem					Mag Susc. 10 ⁻³ SI
				Fe	Pb	Cp	Gph	X		Grt	Alt	Phl	Serp			Ni [ppm]	Cu [ppm]	Fe [pct]	Au [ppb]	Co [ppm]	
204			232818													550	112	5		62	
205																					BOX 36
206			232819													232	62	5		41	
207										5			20 20								
208			232820													658	139	5		57	
209																					
210			232821													676	173	4		52	
211																					BOX 37
212			232822													252	75	4		39	
213																					
214			232823													435	146	6		64	
215																					
216			232824													889	264	5		69	
217																					BOX 38
218			232825													447	129	4		51	
219																					
220			232826													166	63	5		46	

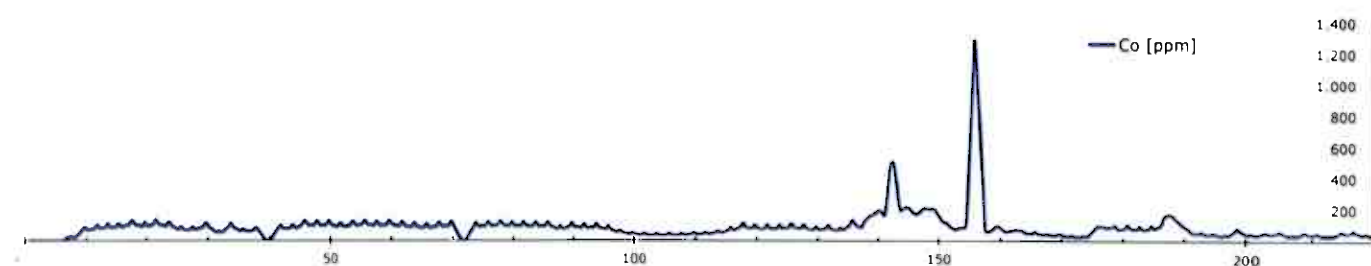
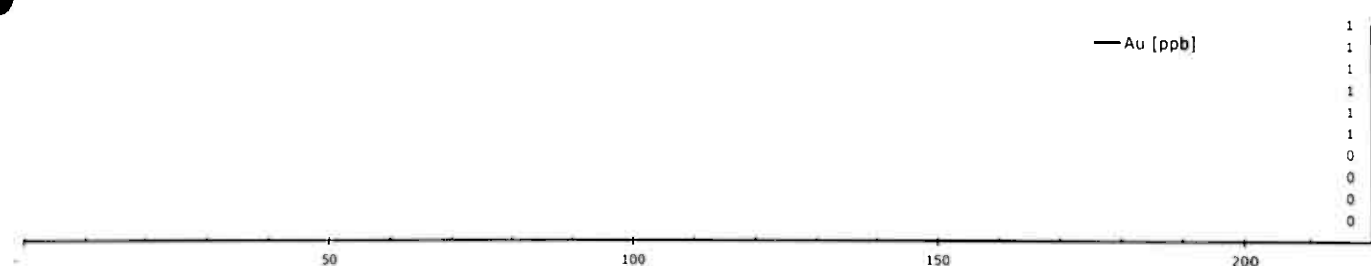
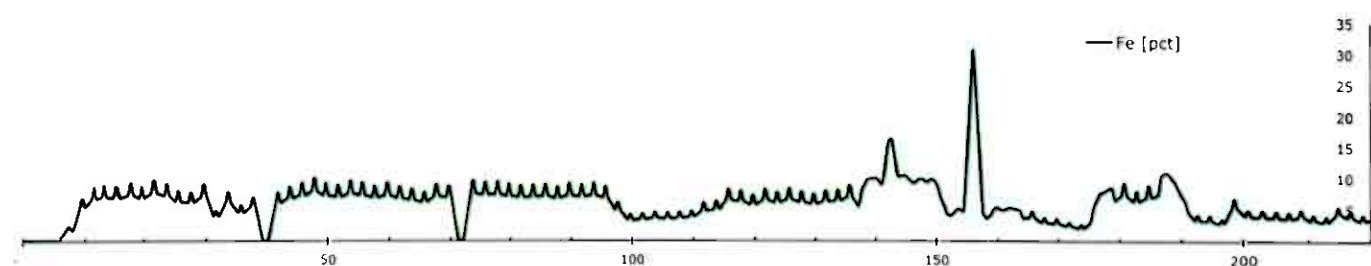
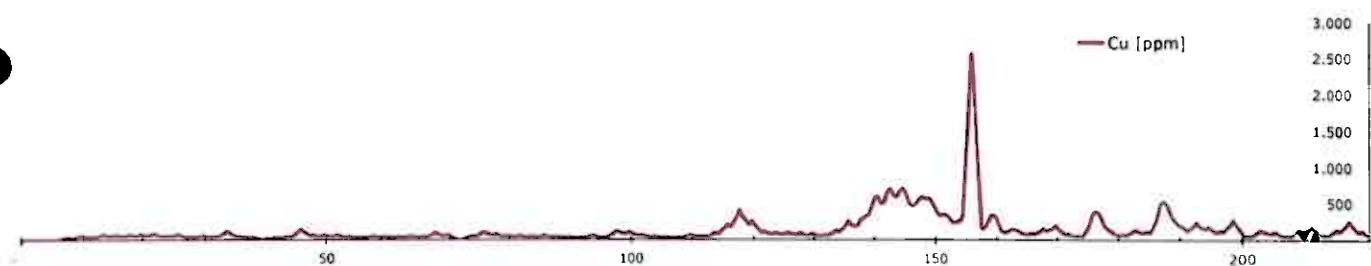
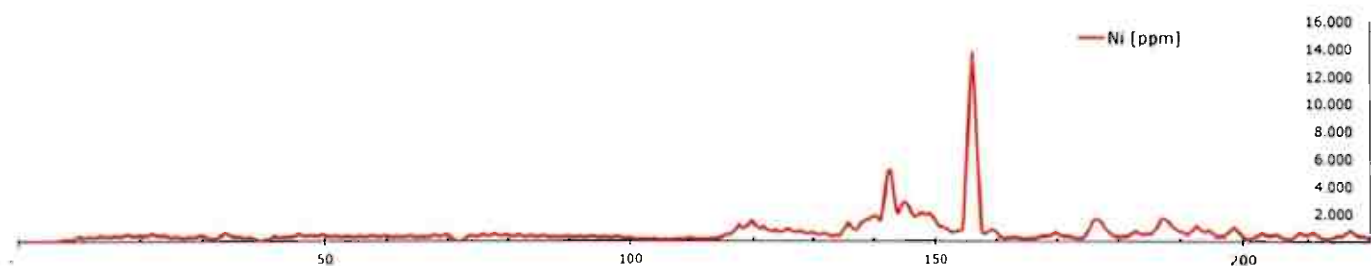
YEAR		2007		Log of Borehole		SH	
Drill Date: 08. Sep				Ballangen DDH-07 SH-010			
HOLE ID: SH-010							
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen		
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Core		
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7	Diameter:	40,7 mm
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	222,20 meter		
Bearing:	175°	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.		
Dip:	-45°	Survey date:	-	by:	Casing/overburden: 6,9 meter ☐		
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338						
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YEAR	2007	Log of Borehole				SH
Drill Date: 08 September		Ballangen DDH-07 SH-010				
HOLE ID:	SH-010					
Project:	Ballangen	Location:	Rånbogen	Project manager:	Søren Lund Jensen	
Northing:	7583359	Elevation:	495 meter [asl]	Drill method:	Core	
Easting:	584250	Geologist:	Mikkel Vognsen	Core:	BQ TK60/40.7 Diameter: 40,7 mm	
Datum:	WGS84	Logged by:	Mikkel Vognsen	Length:	222,20 meter	
Bearing:	175°	Logged date:	18. april 2008	Average REC/RQD:	97,5 pct. / 96,4 pct.	
Dip:	-45°	Survey date:	-	by:	Casing/overburden: 6,9 meter	
Contractor:	Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
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YEAR		2007		Log of Borehole		SH	
Drill Date:		08 September		Ballangen DDH-07 SH-010			
HOLE ID:		SH-010					
Project:		Ballangen	Location:	Ränbøgen	Project manager:		Søren Lund Jensen
Northing:		7583359	Elevation:	495 meter [asl]	Drill method:		Core
Easting:		584250	Geologist:	Mikkel Vognsen	Core:		BQ TK60/40.7 Diameter: 40,7 mm
Datum:		WGS84	Logged by:	Mikkel Vognsen	Length:		222,20 meter
Bearing:		175°	Logged date:	18. april 2008	Average REC/RQD:		97,5 pct. / 96,4 pct.
Dip:		-45°	Survey date:	-	by:		Casing/overburden: 6,9 meter
Contractor:		Diamantboring Nord AS, P.O.Box 186, N-9521 Kautokeino, Norway, Tel +46 7848 6441, Fax +46 7848 6447, Cellular +4648 05 8338					
Scandinavian Highlands A/S - Hørsholm Kongevej 11 - DK-2970 Hørsholm - Denmark - Tlf: +45 45 86 66 53 - Fax: +45 45 86 66 54							



Drill methode:	Core
Core:	BQ TK60/40.7
Diameter:	40,7 mm
Length:	222 meter
Casing/Overburden	6,9 meter

BOX 1		5,82 m	GOOD	
Date:		DIP ANGLE		
6,88 - to - 12,70				
RECOVERY		Fractures	Foliation or bedding	
Total	Solid			Modified
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
91,9	89,5	89,5		
90,00		90,00	1. Row	69°
82,00		82,00	2. Row	45°
12,00		12,00	3. Row	25°
50,00		50,00	4. Row	40°
14,00	NI		5. Row	65°
30,00		30,00	6. Row	30°
65,00		65,00	7. Row	
96,00		96,00		
96,00		96,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 7,30 m |
| 2. Row | 8,13 m |
| 3. Row | 8,96 m |
| 4. Row | 9,79 m |
| 5. Row | 10,62 m |
| 6. Row | 11,45 m |
| 7. Row | 12,28 m |

BOX 2	5,89 m	EXCELLENT
--------------	--------	------------------

Date:			DIP ANGLE	
12,70 - to - 18,59			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,3	99,3	98,5		
10,00		10,00	1. Row	45°
85,00		85,00	2. Row	70°
98,00		98,00	3. Row	60°
98,00		98,00	4. Row	70°
22,00		22,00	5. Row	80°
72,00		72,00	6. Row	50°
5,00			7. Row	
97,00		97,00		
98,00		98,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 13,12 m |
| 2. Row | 13,96 m |
| 3. Row | 14,80 m |
| 4. Row | 15,65 m |
| 5. Row | 16,49 m |
| 6. Row | 17,33 m |
| 7. Row | 18,17 m |

BOX 3	5,87 m	EXCELLENT
--------------	--------	------------------

Date:			DIP ANGLE	
18,59 - to - 24,46			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
25,00		25,00	1. Row	50°
70,00		70,00	2. Row	25°
97,00		97,00	3. Row	40°
97,00		97,00	4. Row	
32,00		32,00	5. Row	50°
80,00		80,00	6. Row	
95,00		95,00	7. Row	
90,00		90,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 19,01 m |
| 2. Row | 19,85 m |
| 3. Row | 20,69 m |
| 4. Row | 21,53 m |
| 5. Row | 22,36 m |
| 6. Row | 23,20 m |
| 7. Row | 24,04 m |

BOX 4	5,65 m	EXCELLENT
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Date:			DIP ANGLE	
24,46 - to - 30,11			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
99,6	99,6	98,9	
58,00	58,00	1. Row	70°
37,00	37,00	2. Row	85°
84,00	84,00	3. Row	50°
11,00	11,00	4. Row	25°
98,00	98,00	5. Row	35°
90,00	90,00	6. Row	35°
90,00	90,00	7. Row	
4,00			
91,00	91,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 24,86 m
2. Row 25,67 m
3. Row 26,48 m
4. Row 27,29 m
5. Row 28,09 m
6. Row 28,90 m
7. Row 29,71 m

BOX 5	5,79 m	EXCELLENT
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Date:			DIP ANGLE	
30,11 - to - 35,90			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal	
97,9	97,9	97,9	
100,00	100,00	1. Row	65°
95,00	95,00	2. Row	55°
23,00	23,00	3. Row	80°
64,00	64,00	4. Row	60°
96,00	96,00	5. Row	40°
97,00	97,00	6. Row	25°
41,00	41,00	7. Row	
51,00	51,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 30,52 m
2. Row 31,35 m
3. Row 32,18 m
4. Row 33,01 m
5. Row 33,83 m
6. Row 34,66 m
7. Row 35,49 m

BOX 6	5,72 m	EXCELLENT
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Date: 35,90 - to - 41,62			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD	Degrees from horizontal	
100,0	100,0	100,0	
56,00	56,00	1. Row	25°
9,00	9,00	2. Row	45°
38,00	38,00	3. Row	45°
96,00	96,00	4. Row	65°
50,00	50,00	5. Row	45°
45,00	45,00	6. Row	35°
93,00	93,00	7. Row	
97,00	97,00		
70,00	70,00		
18,00	18,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 36,31 m |
| 2. Row | 37,13 m |
| 3. Row | 37,94 m |
| 4. Row | 38,76 m |
| 5. Row | 39,58 m |
| 6. Row | 40,39 m |
| 7. Row | 41,21 m |

BOX 7	6,08 m	EXCELLENT
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Date: 41,62 - to - 47,70			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC	RQD	Degrees from horizontal	
95,4	95,4	94,2	
95,00	95,00	1. Row	58°
99,00	99,00	2. Row	45°
86,00	86,00	3. Row	70°
10,00	10,00	4. Row	80°
97,00	97,00	5. Row	70°
91,00	91,00	6. Row	70°
7,00		7. Row	
79,00	79,00		
16,00	16,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

- | | |
|--------|---------|
| 1. Row | 42,05 m |
| 2. Row | 42,92 m |
| 3. Row | 43,79 m |
| 4. Row | 44,66 m |
| 5. Row | 45,53 m |
| 6. Row | 46,40 m |
| 7. Row | 47,27 m |

BOX 8	5,39 m	EXCELLENT
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Date:			DIP ANGLE		
47,70 - to - 53,09					
RECOVERY					
Total	Solid	Modified	Fractures	Foliation or bedding	
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal	
99,6	99,6	98,3		
95,00		95,00	1. Row	
98,00		98,00	2. Row	70°
98,00		98,00	3. Row	70°
7,00			4. Row	53°
86,00		86,00	5. Row	70°
94,00		94,00	6. Row	70°
49,00		49,00	7. Row	
10,00		10,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 48,09 m
2. Row 48,86 m
3. Row 49,63 m
4. Row 50,40 m
5. Row 51,17 m
6. Row 51,94 m
7. Row 52,71 m

BOX 9	5,80 m	EXCELLENT
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Date:			DIP ANGLE		
53,09 - to - 58,89					
RECOVERY					
Total	Solid	Modified	Fractures	Foliation or bedding	
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal	
98,4	92,9	92,9		
25,00	NI		1. Row	50°
7,00	NI		2. Row	60°
50,00		50,00	3. Row	60°
99,00		99,00	4. Row	65°
98,00		98,00	5. Row	55°
40,00		40,00	6. Row	55°
56,00		56,00	7. Row	
97,00		97,00		
99,00		99,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 53,50 m
2. Row 54,33 m
3. Row 55,16 m
4. Row 55,99 m
5. Row 56,82 m
6. Row 57,65 m
7. Row 58,48 m

BOX 10	5,83 m	EXCELLENT
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Date:			DIP ANGLE	
58,89 - to - 64,72			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,7	99,7	99,7		
48,00		48,00	1. Row	60°
46,00		46,00	2. Row	
99,00		99,00	3. Row	
96,00		96,00	4. Row	70°
69,00		69,00	5. Row	53°
28,00		28,00	6. Row	40°
100,00		100,00	7. Row	
95,00		95,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 59,31 m
2. Row 60,14 m
3. Row 60,97 m
4. Row 61,81 m
5. Row 62,64 m
6. Row 63,47 m
7. Row 64,30 m

BOX 11	5,76 m	EXCELLENT
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Date:			DIP ANGLE	
64,72 - to - 70,48			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,1	99,1	99,1		
73,00		73,00	1. Row	35°
20,00		20,00	2. Row	65°
98,00		98,00	3. Row	50°
96,00		96,00	4. Row	60°
76,00		76,00	5. Row	75°
13,00		13,00	6. Row	70°
97,00		97,00	7. Row	
48,00		48,00		
50,00		50,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 65,13 m
2. Row 65,95 m
3. Row 66,78 m
4. Row 67,60 m
5. Row 68,42 m
6. Row 69,25 m
7. Row 70,07 m

BOX 12	5,71 m	EXCELLENT
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Date:			DIP ANGLE	
70,48 - to - 76,19			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	99,8	RQD	99,8	Degrees from horizontal
95,00		95,00		1. Row 90°
32,00		32,00		2. Row 55°
63,00		63,00		3. Row 55°
96,00		96,00		4. Row 65°
96,00		96,00		5. Row 30°
98,00		98,00		6. Row 45°
90,00		90,00		7. Row

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 70,89 m
2. Row 71,70 m
3. Row 72,52 m
4. Row 73,34 m
5. Row 74,15 m
6. Row 74,97 m
7. Row 75,78 m

BOX 13	5,82 m	EXCELLENT
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Date:			DIP ANGLE	
76,19 - to - 82,01			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	99,8	RQD	99,8	Degrees from horizontal
96,00		96,00		1. Row 60°
16,00		16,00		2. Row 75°
80,00		80,00		3. Row 65°
99,00		99,00		4. Row
96,00		96,00		5. Row
34,00		34,00		6. Row 25°
63,00		63,00		7. Row
97,00		97,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 76,61 m
2. Row 77,44 m
3. Row 78,27 m
4. Row 79,10 m
5. Row 79,93 m
6. Row 80,76 m
7. Row 81,59 m

BOX 14	5,80 m	EXCELLENT
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Date: 82,01 - to - 87,81			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,5	99,5	RQD 99,5	Degrees from horizontal	
98,00		98,00	1. Row	
38,00		38,00	2. Row	40°
56,00		56,00	3. Row	70°
98,00		98,00	4. Row	65°
97,00		97,00	5. Row	45°
53,00		53,00	6. Row	90°
43,00		43,00	7. Row	
94,00		94,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 82,42 m
2. Row 83,25 m
3. Row 84,08 m
4. Row 84,91 m
5. Row 85,74 m
6. Row 86,57 m
7. Row 87,40 m

BOX 15	5,77 m	EXCELLENT
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Date: 87,81 - to - 93,58			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC 99,8	99,8	RQD 99,8	Degrees from horizontal	
92,00		92,00	1. Row	65°
65,00		65,00	2. Row	
31,00		31,00	3. Row	55°
98,00		98,00	4. Row	
98,00		98,00	5. Row	
78,00		78,00	6. Row	35°
19,00		19,00	7. Row	
95,00		95,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 88,22 m
2. Row 89,05 m
3. Row 89,87 m
4. Row 90,70 m
5. Row 91,52 m
6. Row 92,34 m
7. Row 93,17 m

Drill methode: Core
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 222 meter
Casing/Overburden 6,9 meter

BOX 16			5,86 m	EXCELLENT
Date:			DIP ANGLE	
93,58 - to - 99,44			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,8	98,8	97,6		
99,00		99,00	1. Row	
77,00		77,00	2. Row	60°
20,00		20,00	3. Row	40°
35,00		35,00	4. Row	65°
59,00		59,00	5. Row	
98,00		98,00	6. Row	
89,00		89,00	7. Row	
7,00				
95,00		95,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 94,00 m
2. Row 94,84 m
3. Row 95,67 m
4. Row 96,51 m
5. Row 97,35 m
6. Row 98,18 m
7. Row 99,02 m

BOX 17	6,37 m	EXCELLENT
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Date:			DIP ANGLE	
99,44 - to - 105,81			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
91,8	91,8	91,8		
58,00		58,00	1. Row	55°
36,00		36,00	2. Row	50°
82,00		82,00	3. Row	
15,00		15,00	4. Row	60°
100,00		100,00	5. Row	
32,00		32,00	6. Row	65°
64,00		64,00	7. Row	
99,00		99,00		
99,00		99,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 99,90 m
2. Row 100,81 m
3. Row 101,72 m
4. Row 102,63 m
5. Row 103,54 m
6. Row 104,45 m
7. Row 105,36 m

BOX 18	5,58 m	EXCELLENT
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Date:			DIP ANGLE	
105,81 - to - 111,39			Fractures	Foliation or Bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,5	99,5	99,5		
20,00		20,00	1. Row	90°
14,00		14,00	2. Row	70°
51,00		51,00	3. Row	70°
99,00		99,00	4. Row	
95,00		95,00	5. Row	
36,00		36,00	6. Row	85°
60,00		60,00	7. Row	
90,00		90,00		
90,00		90,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 106,21 m
2. Row 107,01 m
3. Row 107,80 m
4. Row 108,60 m
5. Row 109,40 m
6. Row 110,19 m
7. Row 110,99 m

BOX 19	5,61 m	EXCELLENT
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Date:			DIP ANGLE	
111,39 - to - 117,00			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,3	92,9	92,9		
53,00	NI	53,00	1. Row	70°
36,00			2. Row	
96,00		96,00	3. Row	70°
100,00		100,00	4. Row	45°
78,00		78,00	5. Row	45°
14,00		14,00	6. Row	30°
90,00		90,00	7. Row	
90,00		90,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 111,79 m
2. Row 112,59 m
3. Row 113,39 m
4. Row 114,20 m
5. Row 115,00 m
6. Row 115,80 m
7. Row 116,60 m

BOX 20	5,72 m	EXCELLENT
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Date:			DIP ANGLE	
117,00 - to - 122,72			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	95,3	95,3		
99,00		99,00	1. Row	45°
97,00		97,00	2. Row	45°
15,00		15,00	3. Row	45°
12,00	NI		4. Row	50°
14,00			5. Row	
45,00		45,00	6. Row	70°
10,00		10,00	7. Row	
89,00		89,00		
97,00		97,00		
51,00		51,00		
42,00		42,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 117,41 m
2. Row 118,23 m
3. Row 119,04 m
4. Row 119,86 m
5. Row 120,68 m
6. Row 121,49 m
7. Row 122,31 m

BOX 21	5,68 m	EXCELLENT
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Date:			DIP ANGLE	
122,72 - to - 128,40			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
100,0	100,0	100,0		
98,00		98,00	1. Row	
100,00		100,00	2. Row	
73,00		73,00	3. Row	70°
23,00		23,00	4. Row	65°
97,00		97,00	5. Row	20°
97,00		97,00	6. Row	45°
80,00		80,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 123,13 m
2. Row 123,94 m
3. Row 124,75 m
4. Row 125,56 m
5. Row 126,37 m
6. Row 127,18 m
7. Row 127,99 m

BOX 22	5,98 m	EXCELLENT
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Date:			DIP ANGLE	
128,40 - to - 134,38			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
98,3	98,3	97,0		
99,00		99,00	1. Row	
97,00		97,00	2. Row	60°
98,00		98,00	3. Row	
99,00		99,00	4. Row	
98,00		98,00	5. Row	50°
89,00		89,00	6. Row	65°
8,00			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 128,83 m
2. Row 129,68 m
3. Row 130,54 m
4. Row 131,39 m
5. Row 132,24 m
6. Row 133,10 m
7. Row 133,95 m

BOX 23	5,74 m	EXCELLENT
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Date:			DIP ANGLE	
134,38 - to - 140,12			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
98,00		98,00	1. Row	70°
97,00		97,00	2. Row	65°
94,00		94,00	3. Row	65°
12,00		12,00	4. Row	70°
84,00		84,00	5. Row	70°
98,00		98,00	6. Row	
90,00		90,00	7. Row	

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	134,79 m
2. Row	135,61 m
3. Row	136,43 m
4. Row	137,25 m
5. Row	138,07 m
6. Row	138,89 m
7. Row	139,71 m

BOX 24	5,78 m	EXCELLENT
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Date:			DIP ANGLE	
140,12 - to - 145,90			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,7	99,7	99,7		
25,00		25,00	1. Row	70°
67,00		67,00	2. Row	
94,00		94,00	3. Row	
97,00		97,00	4. Row	30°
51,00		51,00	5. Row	
44,00		44,00	6. Row	50°
98,00		98,00	7. Row	
100,00		100,00		

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	140,53 m
2. Row	141,36 m
3. Row	142,18 m
4. Row	143,01 m
5. Row	143,84 m
6. Row	144,66 m
7. Row	145,49 m

BOX 25			5,72 m	EXCELLENT	
Date:			DIP ANGLE		
145,90 - to - 151,62			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal	
99,5	99,5	99,5		
56,00		56,00	1. Row	70°
35,00		35,00	2. Row	45°
40,00		40,00	3. Row	65°
10,00		10,00	4. Row	60°
42,00		42,00	5. Row	
90,00		90,00	6. Row	70°
72,00		72,00	7. Row	
52,00		52,00		
97,00		97,00		
75,00		75,00		

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	146,31 m
2. Row	147,13 m
3. Row	147,94 m
4. Row	148,76 m
5. Row	149,58 m
6. Row	150,39 m
7. Row	151,21 m

BOX 26			5,74 m	EXCELLENT
Date:			DIP ANGLE	
151,62 - to - 157,36			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
81,00		81,00	1. Row	80°
16,00		16,00	2. Row	80°
98,00		98,00	3. Row	
98,00		98,00	4. Row	75°
82,00		82,00	5. Row	85°
14,00		14,00	6. Row	35°
27,00		27,00	7. Row	
15,00		15,00		
52,00		52,00		
30,00		30,00		
35,00		35,00		
25,00		25,00		

Magnetic Susceptibility	
1. Row	
2. Row	
3. Row	
4. Row	
5. Row	
6. Row	
7. Row	

Measurement at	
1. Row	152,03 m
2. Row	152,85 m
3. Row	153,67 m
4. Row	154,49 m
5. Row	155,31 m
6. Row	156,13 m
7. Row	156,95 m

BOX 27	5,82 m	EXCELLENT
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Date:			DIP ANGLE	
157,36 - to - 163,18			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
98,1	98,1	97,1
79,00	79,00	1. Row 35°
15,00	15,00	2. Row
6,00		3. Row 65°
88,00	88,00	4. Row 70°
98,00	98,00	5. Row 40°
96,00	96,00	6. Row
12,00	12,00	7. Row
80,00	80,00	
97,00	97,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 157,78 m
2. Row 158,61 m
3. Row 159,44 m
4. Row 160,27 m
5. Row 161,10 m
6. Row 161,93 m
7. Row 162,76 m

BOX 28	5,85 m	GOOD
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Date:			DIP ANGLE	
163,18 - to - 169,03			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD	Degrees from horizontal
83,1	83,1	82,9
99,00	99,00	1. Row 70°
21,00	21,00	2. Row 75°
75,00	75,00	3. Row 65°
0,97		4. Row
99,00	99,00	5. Row 65°
28,00	28,00	6. Row 65°
66,00	66,00	7. Row
97,00	97,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 163,60 m
2. Row 164,43 m
3. Row 165,27 m
4. Row 166,11 m
5. Row 166,94 m
6. Row 167,78 m
7. Row 168,61 m

BOX 29			5,97 m	EXCELLENT
Date:			DIP ANGLE	
169,03 - to - 175,00			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		
REC	RQD		Degrees from horizontal	
97,0	97,0	97,0		
99,00	99,00		1. Row	
40,00	40,00		2. Row	80°
55,00	55,00		3. Row	
95,00	95,00		4. Row	65°
99,00	99,00		5. Row	70°
41,00	41,00		6. Row	45°
52,00	52,00		7. Row	
98,00	98,00			

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 169,46 m
2. Row 170,31 m
3. Row 171,16 m
4. Row 172,02 m
5. Row 172,87 m
6. Row 173,72 m
7. Row 174,57 m

BOX 30			5,78 m	EXCELLENT	
Date:			DIP ANGLE		
175,00 - to - 180,78			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			
			</		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 175,41 m
2. Row 176,24 m
3. Row 177,06 m
4. Row 177,89 m
5. Row 178,72 m
6. Row 179,54 m
7. Row 180,37 m

Drill methode: Core
Core: BQ TK60/40.7
Diameter: 40,7 mm
Length: 222 meter
Casing/Overburden 6,9 meter

BOX 31			5,79 m	EXCELLENT	
Date:			DIP ANGLE		
180,78 - to - 186,57			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			
			Degrees from horizontal		
REC		RQD			
99,0	99,0	99,0			
97,00		97,00	1. Row	65°	
66,00		66,00	2. Row	80°	
22,00		22,00	3. Row	50°	
99,00		99,00	4. Row	35°	
98,00		98,00	5. Row	70°	
73,00		73,00	6. Row	50°	
21,00		21,00	7. Row		
97,00		97,00			

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 181,19 m
2. Row 182,02 m
3. Row 182,85 m
4. Row 183,68 m
5. Row 184,50 m
6. Row 185,33 m
7. Row 186,16 m

BOX 32			5,79 m	EXCELLENT	
Date:			DIP ANGLE		
186,57 - to - 192,36			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC		RQD	Degrees from horizontal	
99,8	99,8	99,8		
98,00		98,00	1. Row	
93,00		93,00	2. Row	75°
98,00		98,00	3. Row	
97,00		97,00	4. Row	50°
96,00		96,00	5. Row	65°
96,00		96,00	6. Row	55°
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 186,98 m
2. Row 187,81 m
3. Row 188,64 m
4. Row 189,47 m
5. Row 190,29 m
6. Row 191,12 m
7. Row 191,95 m

BOX 33			1,60 m	FAIR
Date:			DIP ANGLE	
192,36 - to - 193,96			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal	
68,8	68,8	68,8		
98,00		98,00	1. Row	
12,00		12,00	2. Row	45°
			3. Row	
			4. Row	
			5. Row	
			6. Row	
			7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 192,47 m
2. Row 192,70 m
3. Row 192,93 m
4. Row 193,16 m
5. Row 193,39 m
6. Row 193,62 m
7. Row 193,85 m

BOX 34			5,28 m	EXCELLENT
Date:			DIP ANGLE	
193,96 - to - 199,24			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC	RQD		Degrees from horizontal	
97,5	97,5	97,5		
97,00		97,00	1. Row	40°
97,00		97,00	2. Row	
96,00		96,00	3. Row	40°
10,00		10,00	4. Row	65°
75,00		75,00	5. Row	45°
90,00		90,00	6. Row	60°
50,00		50,00	7. Row	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 194,34 m
2. Row 195,09 m
3. Row 195,85 m
4. Row 196,60 m
5. Row 197,35 m
6. Row 198,11 m
7. Row 198,86 m

BOX 35			5,69 m	EXCELLENT	
Date:			DIP ANGLE		
199,24 - to - 204,93			Fractures	Foliation or bedding	
RECOVERY					
Total	Solid	Modified			
[cm]	[cm]	[cm]			

REC	RQD		Degrees from horizontal	
99,8	99,8	99,8		
24,00		24,00	1. Row	40°
70,00		70,00	2. Row	
96,00		96,00	3. Row	55°
94,00		94,00	4. Row	55°
50,00		50,00	5. Row	40°
40,00		40,00	6. Row	60°
97,00		97,00	7. Row	
97,00		97,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 199,65 m
2. Row 200,46 m
3. Row 201,27 m
4. Row 202,09 m
5. Row 202,90 m
6. Row 203,71 m
7. Row 204,52 m

BOX 36	5,76 m	EXCELLENT
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Date: 204,93 - to - 210,69			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD		Degrees from horizontal
99,3	97,6	97,6		
10,00	NI			1. Row
62,00		62,00		2. Row
23,00		23,00		3. Row 80°
90,00		90,00		4. Row 70°
99,00		99,00		5. Row 55°
93,00		93,00		6. Row
98,00		98,00		7. Row
97,00		97,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 205,34 m
2. Row 206,16 m
3. Row 206,99 m
4. Row 207,81 m
5. Row 208,63 m
6. Row 209,46 m
7. Row 210,28 m

BOX 37	5,85 m	GOOD
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Date: 210,69 - to - 216,54			DIP ANGLE	
RECOVERY			Fractures	Foliation or bedding
Total [cm]	Solid [cm]	Modified [cm]		

REC		RQD		Degrees from horizontal
82,4	81,9	81,9		
80,00		80,00		1. Row 62°
14,00		14,00		2. Row
100,00		100,00		3. Row 64°
97,00		97,00		4. Row 47°
96,00		96,00		5. Row 32°
27,00		27,00		6. Row 18°
18,00		18,00		7. Row
3,00	NI			
47,00		47,00		

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 211,11 m
2. Row 211,94 m
3. Row 212,78 m
4. Row 213,62 m
5. Row 214,45 m
6. Row 215,29 m
7. Row 216,12 m

BOX 38	5,66 m	GOOD
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Date:			DIP ANGLE	
216,54 - to - 222,20			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
98,1	88,3	86,6	
98,00		98,00	1. Row
21,00		21,00	2. Row
66,00		66,00	3. Row
95,00		95,00	4. Row
95,00		95,00	5. Row
45,00	NI		6. Row
7,00			7. Row
9,00		9,00	
21,00		21,00	
3,00			
10,00	NI		
85,00		85,00	

Magnetic Susceptibility

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row

Measurement at

1. Row 216,94 m
2. Row 217,75 m
3. Row 218,56 m
4. Row 219,37 m
5. Row 220,18 m
6. Row 220,99 m
7. Row 221,80 m

BOX 39	0,00 m	#DIV/0!
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Date:			DIP ANGLE	
- to -			Fractures	Foliation or bedding
RECOVERY				
Total	Solid	Modified		
[cm]	[cm]	[cm]		

REC		RQD	Degrees from horizontal
			1. Row
			2. Row
			3. Row
			4. Row
			5. Row
			6. Row
			7. Row

Magnetic Susceptibility

1. Row 0,22
2. Row 0,20
3. Row 0,08
4. Row 0,18
5. Row 0,16
6. Row 0,14
7. Row

Measurement at

1. Row
2. Row
3. Row
4. Row
5. Row
6. Row
7. Row