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Kommer fra ..arkiv	Ekstern rapport nr	Oversendt fra Crew Norway AS	Fortrolig pga	Fortrolig fra dato:

Tittel

Exploration in Klinkenberg - Storskarven, Røros, Norway

Forfatter	Dato År	Bedrift (Oppdragsgiver og/eller oppdragstaker)
Rosholt, Bernt Wilberg, Rune	2001	Crew Norway AS

Kommune	Fylke	Bergdistrikt	1: 50 000 kartblad	1: 250 000 kartblad
Roros Holtålen	Sør-Trøndelag		17203	Røros

Fagområde	Dokument type	Forekomster (forekomst, gruvefelt, undersøkelsesfelt)
Geologi Geofysikk Geokjemi		Klinkenberg Storskarven Gjårdvola Sjursvollen
Råstoffgruppe Malm/metall	Råstofftype Zn Cu	

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse

In total 4 targets have been followed up during 2000 and 2001.
For Klinkenberg - Storskarven area, only the Sjursvollen target (40) is recomended for further follow up with VLF, Mag and DOB.

EXPLORATION IN

KLINKENBERG-STORSKARVEN, RØROS

NORWAY

2001 Bernt Røsholt,
Rune Wilberg

Contents

Røros-Meråker District

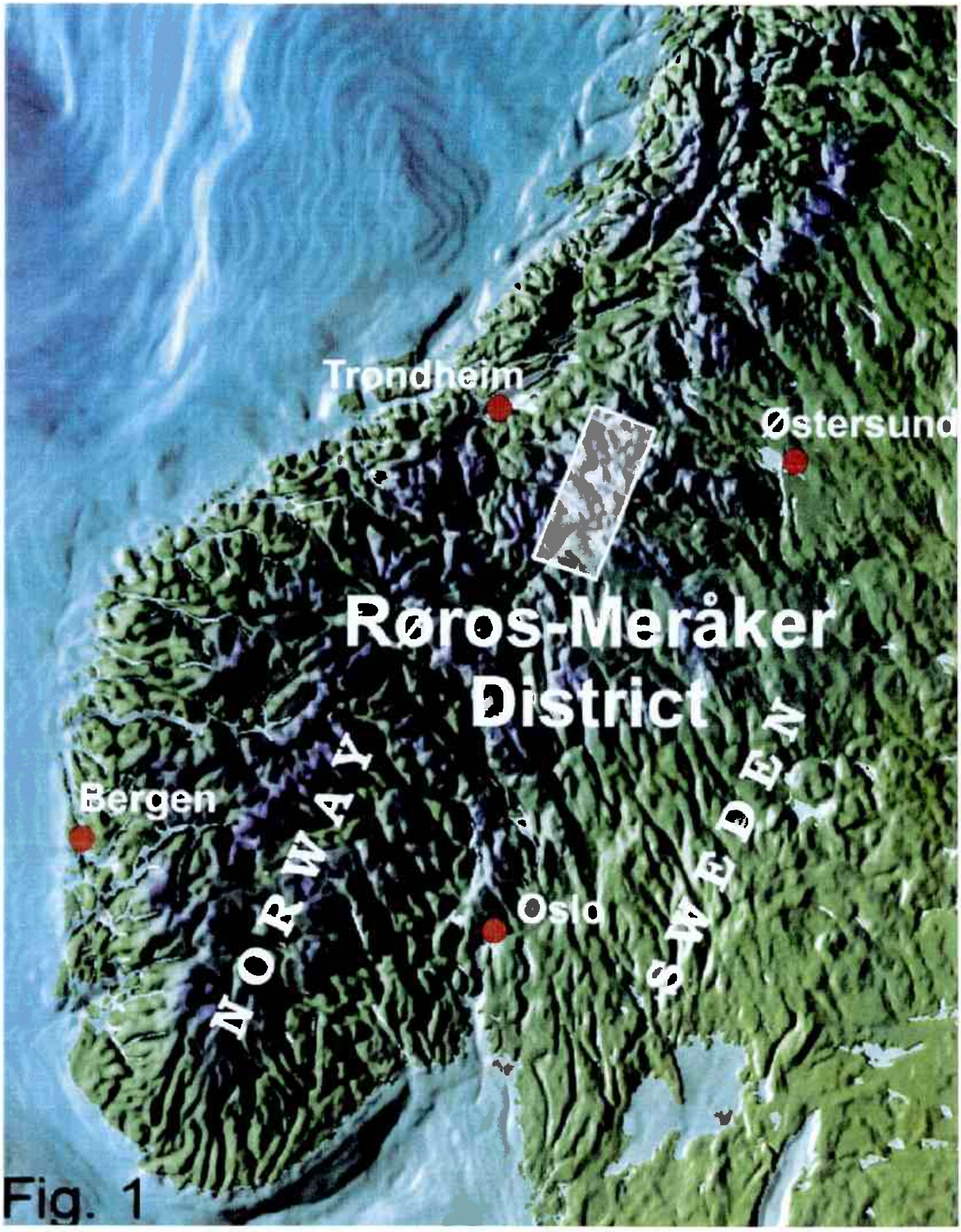


Fig. 1

Overview of the Exploration in Klinkenberg-Storskarven area, Røros 1998 to 2001.

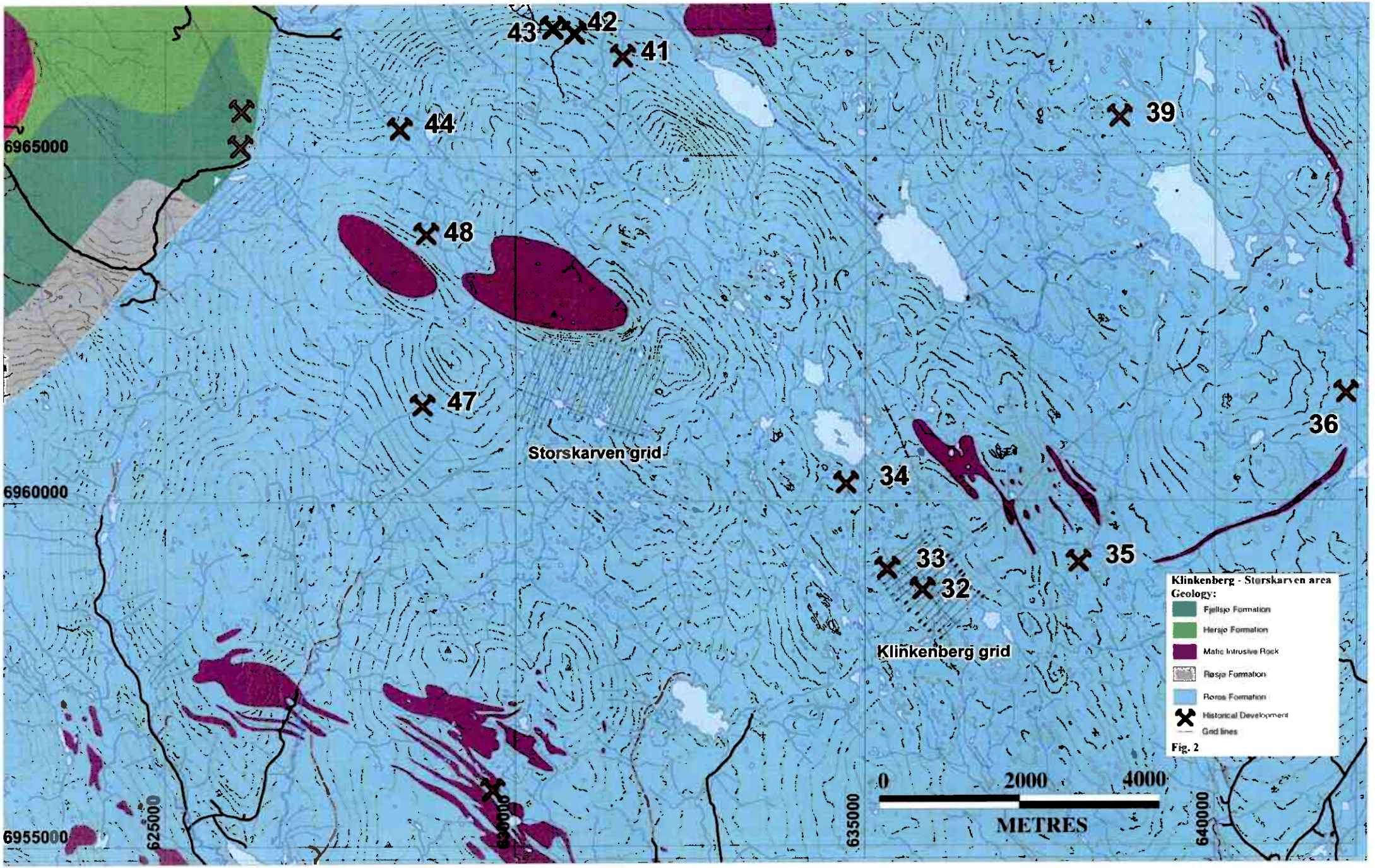
This report gives an overview of the exploration work that has been carried out in Klinkenberg-Storskarven area since 1998 when Mindex ASA started its work.
It is first given a historical background of the old mines, regional and local geology, 1998 exploration campaign and a summary of the known ore deposits from the area. This summary explains the nature of the ore bodies, metal distribution and proposals for where to look for new deposits.
In 1999 a helicopter survey covered the southern part of the Røros region including The Klinkenberg-Storskarven area.
In 1999 and 2000 a detailed ground geophysical, geochemical and geological survey was carried out over the targets Klinkenberg and Storskarven as well as Sjursvollen.
The Klinkenberg target in the Klinkenberg historical developments was followed up by a 9 hole core-drilling program totaling 611m in 2001, see separate report.

Klinkenberg-Storskarven-area, with sediment-hosted Zink-Copper Deposits.

The Klinkenberg-Storskarven area comprises a number of historical workings, which is a part of the Røros-Meråker Mining Province, Central Norway, see fig. 1. It is located about 25 km NE of Røros Town.

History.

The major occurrence, Klinkenberg, was found in 1668, and was initially operated by "Det Øresundske Kobberverk". Production of copper ore took place during several shorter periods at "Gammelgruben" (The Old Mine), where copper was extracted from Cu-pyrrhotitic breccia ore. The deposit has an outcropping strike length of about 500 m, and the massive sulfide layers are isoclinally folded. Approx. 1790 a new ore horizon was detected, encouraging reinforced mining activity by Røros Kobberverk. In 1796 27 workers were employed at the mine (and totally 470 at Røros Kobberverk). Mining ceased in 1831. The mine was reopened in 1880 by a farmer from Glåmos, now as a pyrite mine. The exploitation was now restricted to the banded Zn-pyritic ore in "Nygruben" (The New Mine), SE of Gammelgruben. The ore was transported to Glåmos station by horse. This mining period ceased in 1892. Annual production of pyrite ore was in 1892 476 tons. Small scale test mining took place in 1906-07.
With the need for more effective production, the rather remote Klinkenberg deposit, away from existing roads and smelter, lost its importance compared to the numerous ore deposits in the Røros district with more favorable infrastructure. Another negative aspect was the ore quality, with a very high content of sphalerite, which was considered a waste product in the pyrite ore, and undesirable at that time. Except ground geophysics in 1949, no recent exploration work has been conducted until 1998.
Besides Klinkenberg, several historical workings are registered in this approx. 130 km^2 large area. See fig no 2 and encl. no1. In this area exploration in earlier days has included prospecting and pitting, ground geophysics (Turam), and airborne geophysics (ABEM 1959).


43
42
41
44
39
48
47
Storskarven grid
34
36
33
32
35
Klinkenberg grid
6965000
6960000
6955000
625000
630000
635000
640000
0
2000
4000
METRES
Klinkenberg - Storskarven area
Geology:
Fjellsjø Formation
Hersjø Formation
Mafic Intrusive Rock
Røsjø Formation
Røros Formation
Historical Development
Grid lines
Fig. 2

Regional Geology.

The Cambro-Silurian rocks of the Røros-Meråker district make up the southeastern limb of a large and complexly folded synformal structure composing the Trondheim Region. The rocks belong to the Upper Allochton of the Scandinavian Caledonides.

The geology is characterized by a series of low-angle thrusts, or nappes, which dip gently towards the west. Lithologically, the rocks represent a lateral transition from epiclastic rocks along the former margin of the Baltic Shield to the east, through calcareous-pelitic shelf sediments, to predominantly volcanogenic rocks of the Iapetus Ocean in the West. During the Caledonian Orogen in Silurian times, this lateral facies-transition piled up into a series of major nappe sheets, which roughly placed the various lithofacies on top of each other.

The Røros district is bordered to the West by a major thrust, the Tydal Thrust, which separates rocks of predominantly volcanogenic origin in the West from the primarily sedimentary rocks in the East.

The Lowermost nappe sequence consists of a thick succession of epiclastic sediments (sparagmites) and augen gneisses. Overlying these Eocambrian rocks is the *Hummelfjell Formation,* which includes a generally sedimentary sequence of quartzites, quartz mica schist and graphite schists, with minor associated mafic tuffs. Wolff (1978) correlated the Hummelfjell Formation with the *Slågan Group* in the northerly Meråker district.

The Hummelfjell Formation is overlain by the *Røros Formation,* correlated with the *Kjølhaug Group* in the Meråker area, and subsequently with the *Røsjø Formation,* consisting of a thick sequence of calcareous, grey to greenish phyllite and greywacke. The more westerly Røsjø Formation appears a little less calcareous than the Røros Formation, and has a more pronounced banding, with a few interbedded layers of volcanogenic rocks, although the two do not differ much in composition or appearance (Rui & Bakke 1975). These Røros and Røsjø metasediments are locally heavily invaded by pre-metamorphic gabbro sills.

Overlying the Røros and Røsjø formations is the *Dalsbygda Group* in the Røros area, and the *Sulåmo Group* in the Meråker area, which consists of phyllites, metasandstone, marble, conglomerate, and thin beds of greenstones and quartz keratophyre.

The *Hersjø Formation* is the next in succession, and consists mainly of basic volcanogenic rocks (greenstones and greenschists) with minor horizons of acidic volcanic tuffs and flows.

The *Gula Group* (Gula Nappe), which caps the whole greenstone belt, includes a large succession of sediments, with minor thin beds of mafic volcanics (amphibolites). The Gula Group has been considered to represent the oldest, assumed Late Precambrian / Cambrian member of the partly inverted stratigraphical succession, pre-dating the volcanogene Hersjø Formation of probable Lower Ordovician age.

It is possible, although not proven, that the rocks of the Gula Group have been overturned, and belongs to a large recumbent nappe with roots far to the west; and thus the Slågan Group and the Hummelfjell Formation represent the youngest members of the supposed inverted succession.

The interpretation of the area has been challenged by work recently started in the Otta area (SW of Røros). Papers by Sturt et al. (1991 and 1995) and Bjerkgård & Bjørlykke (1994) suggest a major reinterpretation of the stratigraphy of the whole area. Rather than forming part of an isolated nappe, The Hummelfjell unit is now correlated with the

Heidal series of the Otta area, and both are regarded as equivalents of the lower part of the Gula Group. The rocks outcropping between the Gula and Hummelfjell are considered metasediments of Ordovician age. The Dalsbygda, Fundsjø (Hersjø Fm) and Aursund (Røros and Røsjø Fms) groups, plus the upper Åsli Formation, are now grouped together into the Sel Group. This is a single package of Ordovician sediments and volcanics, lying in the core of a major fold structure of Scandian age. The three thrust planes lying between the Gula and Hummelfjell units are not recognized. The tectono-stratigraphy of the area thereby is greatly simplified.
Most of the rocks in the area are metamorphosed in greenschist facies. Contact-metamorphic rocks surrounding gabbro intrusives include hornfelses as well as cordierite- and andalucite-bearing rocks.
The structural geology and deformation history is treated separately in a report by Witt-Nilsson (1998).

Local Geology.
The Klinkenberg-Storskarven-Gjårdvola area comprises rocks of the Røros Formation, which is a series of calcareous, argillaceous to subarenaceous mica schists, earlier named "Røros skifer" (Rui & Bakke 1975). More rarely, the beds pass into more massive arenaceous types.
The Røros Formation often exhibits a weak to distinct compositional banding related to variations essentially in the quartz and carbonate contents. The individual beds usually range from about 0.5-10 cm in thickness, though several-dm to m-thick, massive layers may occur. The colors of the rocks usually vary from grey to light grey, or grayish green. In addition to quartz and biotite, the ordinary Røros schists usually carry abundant, though variable amounts of muscovite, chlorite and carbonate, and lesser amounts of sodic plagioclase and epidote minerals. Biotite, hornblende and garnet are frequently developed as larger porphyroblasts, e.g. in the typical biotite porphyroblast-bearing "Stuedals-skifer" and the hornblende garben schist.
Conformable sheets and lenses of fine- to coarsegrained saussuritic gabbros are frequently intruded into the Røros Formation, and bodies of serpentinite and other ultramafic rocks occur along its base.
Mapping in the Klinkenberg-Storskarven area in 1999-2000 (Wilberg 1999 and 2000, see enclosure no 2) indicate a formational boundary running NNW-SSE between Klinkenberg and Storskarven, separating rocks typical for the Røros Formation (dominated by massive greywacke) to the east, and more schisty, banded sediments with probable mafic and felsic tuffaceous, thin interlayers resembling the Røsjø Formation west of the boundary.

Ore deposits. Mode of occurrence and ore potential.
The fertile sedimentary Røros formation, hosting rich volcanogenic Zn-sulfide deposits, is in the Klinkenberg-Storskarven-Gjårdvola area invaded by metagabbro sills. Ore deposition is frequently linked to the gabbro sills, often as Cu-dominated disseminations at, or close to the intrusive contacts. But also Zn-rich, syngenetic, exhalative mineralizations appear in the area, e.g. the Klinkenberg deposit (32).

The majority of the known occurrences in this area seem to be of rather small size. However, our knowledge concerning size, shape and mode of occurrence, are limited to surface-near parts of the mineralizations. None of the occurrences are ever drill-tested. The Klinkenberg deposit is exploited by limited underground workings, two 40-50 m long adits and stoping, and surface pitting over a strike length of 500 m. Repetition of the sulfide sheet(s) by recumbent, isoclinal folding has produced an overall mineralized thickness of up to at least 3.5 m, consisting of several massive sulfide layers separated by hostrock layers. The main massive-sulfide layer is 0.5-1.5 m thick. 4 chip samples from this layer assay in the range 2.7-10.7 % Zn and 2.2-5.0 % Cu; weighted average being 6.7 % Zn and 3.3 % Cu, with average thickness 0.75 m. Allowing the cut-off grade to decrease, the thickness could be increased considerably, taking into account the thinner massive-layers above and below; i.e. one sample from the sulfide-disseminated wallrock assayd 3.4 % Zn. The chip samples show enhanced Au-content (644-778 ppb). 4 high-grade grab samples from the waste(!) dump assayed 10.4-24.5 % Zn. No samples are analyzed from the outcropping, abnormally Zn-rich (almost monomineralic sphalerite) SE-ern part of the deposit.

The Klinkenberg deposit is enveloped in chlorite- and quartz-sericite schist, characteristic for most Røros deposits. An extensive chlorite schist horizon is mapped from Klinkenberg and 2.5 km NNW-wards (Wilberg 1999), and possibly it extends all the way up to the Syaosen (41-43) and Skarvbekken (44) mineralizations. Dissemination of iron- and base metal sulfides are frequent along its entire length, and the Fjellgjelt prospects (34) and the small Matz mine (33), and possibly the Syaosen and/or Skarvbekken prospects, are hosted in the same chlorite schist horizon.

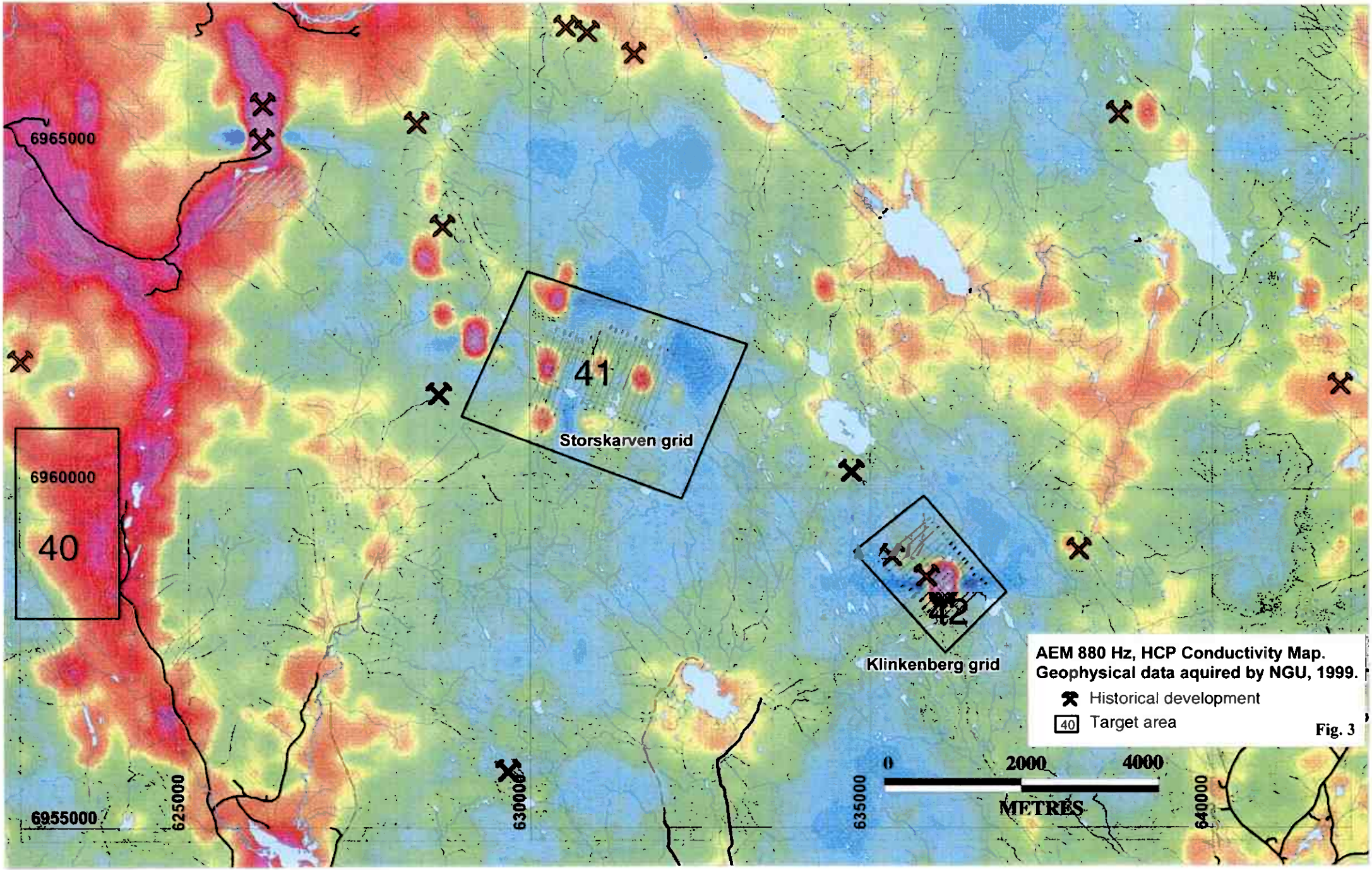
WSW of Klinkenberg, the Abraham prospect (31) is located close to a gabbro body. An up to 5 m thick quartz-sericite schist horizon, resembling a silicified felsic tuff, host stratabound Py-Sl(-Cpy) mineralization, with repeated mm-dm-thick massive-sulfide layers. Two grab samples of respectively massive and semimassive mineralization assayed 13.8 % Zn and 6.0 % Zn, and < 0.3 % Cu.

Minor intercalations of volcanogenic rocks, not earlier recognized in the Røros formation, are found in the Gjårdvola (claim no 39) area, where a layer of (rhyo-)dacite hosts Cpy-Sl-dissemination (Wilberg 2000). In the Storskarven area both mafic and felsic, assumed tuffaceous rocks, are mapped.

The large number of sulfide mineralizations in this area should be emphasized when evaluating the potential for detecting even more significant deposits. At least a rough, semi-regional mapping is essential, and should be conducted. That could clear up possible links between mineralizations in the Storskarven area and the stratiform, massive, Zn-rich Skarvbekken (claim no 44) mineralization; and the extension of the mineralized chlorite schist zone from Klinkenberg towards Syaosen (claims no 41, 42 and 43). Possibly, the exotic pyroclastic(?) horizons could prove important as marker horizons.

If an assessment of the Klinkenberg deposit could be defended, a diamond drilling program would prove important in the understanding of the structural control of the folded, NNW-plunging deposit.

1998 Exploration Campaign.


6965000
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Storskarven grid
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Klinkenberg grid
6955000
625000
630000
635000
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METRES
AEM 880 Hz, HCP Conductivity Map.
Geophysical data aquired by NGU, 1999.
Historical development
40 Target area

Fig. 3

In 1998 Mindex ASA (which in December 1999 merged with Crew Development Corporation) carried out an exploration campaign in the whole Røros-Meråker region (Wilberg & Røsholt 1998). All mines and Claims were visited, described and sampled. Grab samples of representative ore types were collected and analyzed for 34 elements, and a database for all visited locations has been made. The table, enclosure no 1, shows results of the selected elements Au, Ag, Cu, Pb, Zn, As and Fe.

1999 Helicopter Survey Results.

An advantage of EM survey in the Røros Field for massive sulfide deposits is that the sediments is practically without graphite horizons, while a disadvantage is that the frequently flatlying, Zn-rich deposits or Zn-rich portions of deposits may give little or no response.

The most outstanding AEM anomaly in the area is recorded over the Klinkenberg deposit, with associated subtle magnetic high anomaly. The AEM geophysics indicates, however, no strike extent to the zone, but with the extremely Zn-rich, and assumed low-conductive distal facies in mind, detailed ground geophysics was conducted over the deposit. For further details, see below about follow-up work.

Fig. no 3 shows the 880 Hz Horizontal Coplanar coil anomalies at Storskarven, which show a string of conductors along approx. 4 km length along a WNW-ESE axis (almost parallel to the flight lines) , before bending northwards, towards the Skarvbekken prospect. Geologically this conductor seemed to be an attractive target, with a scenario remarkably analogue to the Storwartz Ore Field: both located in the immediate footwall of large gabbro sills. No detailed exploration or drilling is conducted in this area. It was therefore selected for follow-up work with ground geophysics and geochemistry. For further details, see below.

ENE of Storskarven, in the area between the prospects Stømnbekken (38) and Gulhåvola (39), a number of weak, single-line AEM picks are prospected (see below).

Follow-up work 1999 /2000.

Klinkenberg, target no 42:

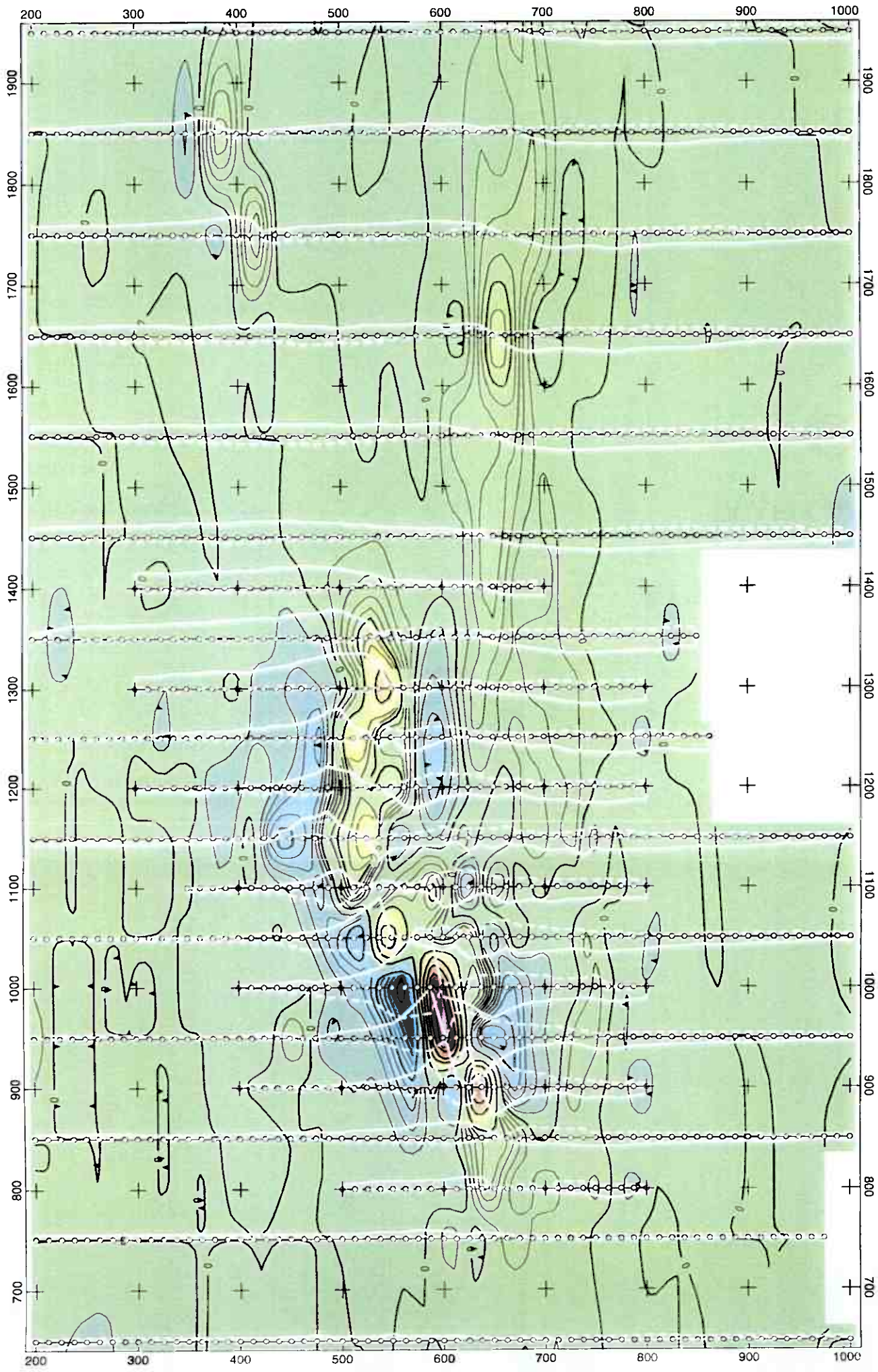
The contractor, a geophysical team from the Geological Survey of Norway, covered an area of about 1,1 km^2 with profile distance 50 and 100 m. In total 15 pkm was covered with TFM (Total Field Magnetics) and VLF, and 11 pkm with HLEM (Apex MaxMin) (NGU reports no. 99.109 and 2000.064). See fig no 4, 5 and 6 exhibiting VLF Fraser filtered tilt angle, quadrature and magnetic total field respectively.

Detailed geological mapping was conducted in the grid, and on semi-regional basis, scale 1:5000, in the surrounding area, also covering the Matz and Fjellgjelt prospects. See fig 7, geological map and field reports, enclosure no 2, by Rune Wilberg.

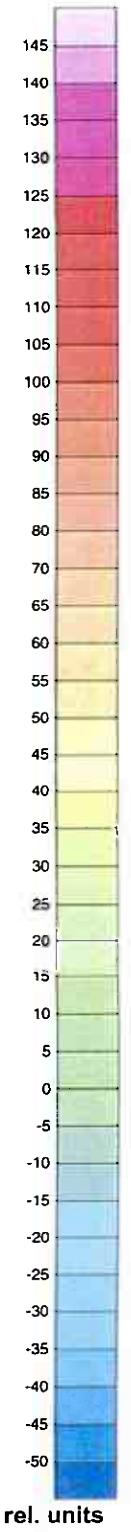
Storskarven, target no 41:

The same contractor, NGU, covered an area of about 1,7 km^2 with profile distance 100 m. In total 18.5 pkm was covered with TFM, VLF and HLEM (NGU rep. No 2000.065) See Figs. No 8, 9 and 10 exhibiting VLF Fraser filtered tilt angle, quadrature and magnetic total field respectively.

VLF Fraser-filtered tilt angle



Norges geologiske undersøkelse
Geological Survey of Norway



VLF profile curves

Tilt angle: solid white, 5 degr./mm

Quadrature: white dashes, 5 % /mm

Scale 1 : 5000

50 0 50 100 150
metre

CREW

DEVELOPMENT CORPORATION

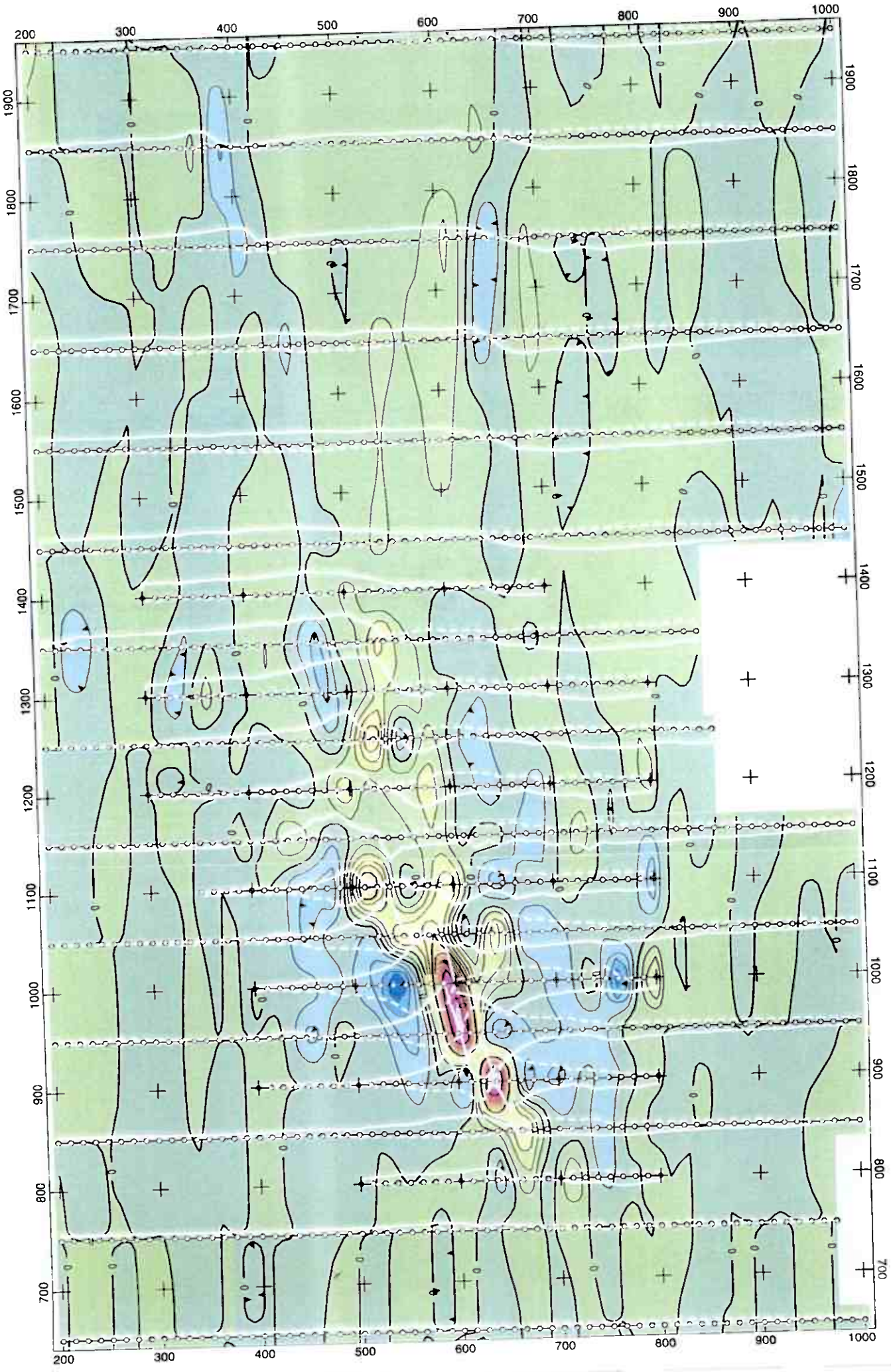
VLF Fraser-filtered tilt angle

KLINKENBERG

2000.064-03

Fig 4

VLF Fraser-filtered quadrature



NGU
Norges geologiske undersøkelse
Geological Survey of Norway

60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
rel. units

VLF profile curves

Tilt angle: solid white, 5 degr./mm

Quadrature: white dashes, 5 % /mm

Scale 1 : 5000

50 0 50 100 150
metre

CREW

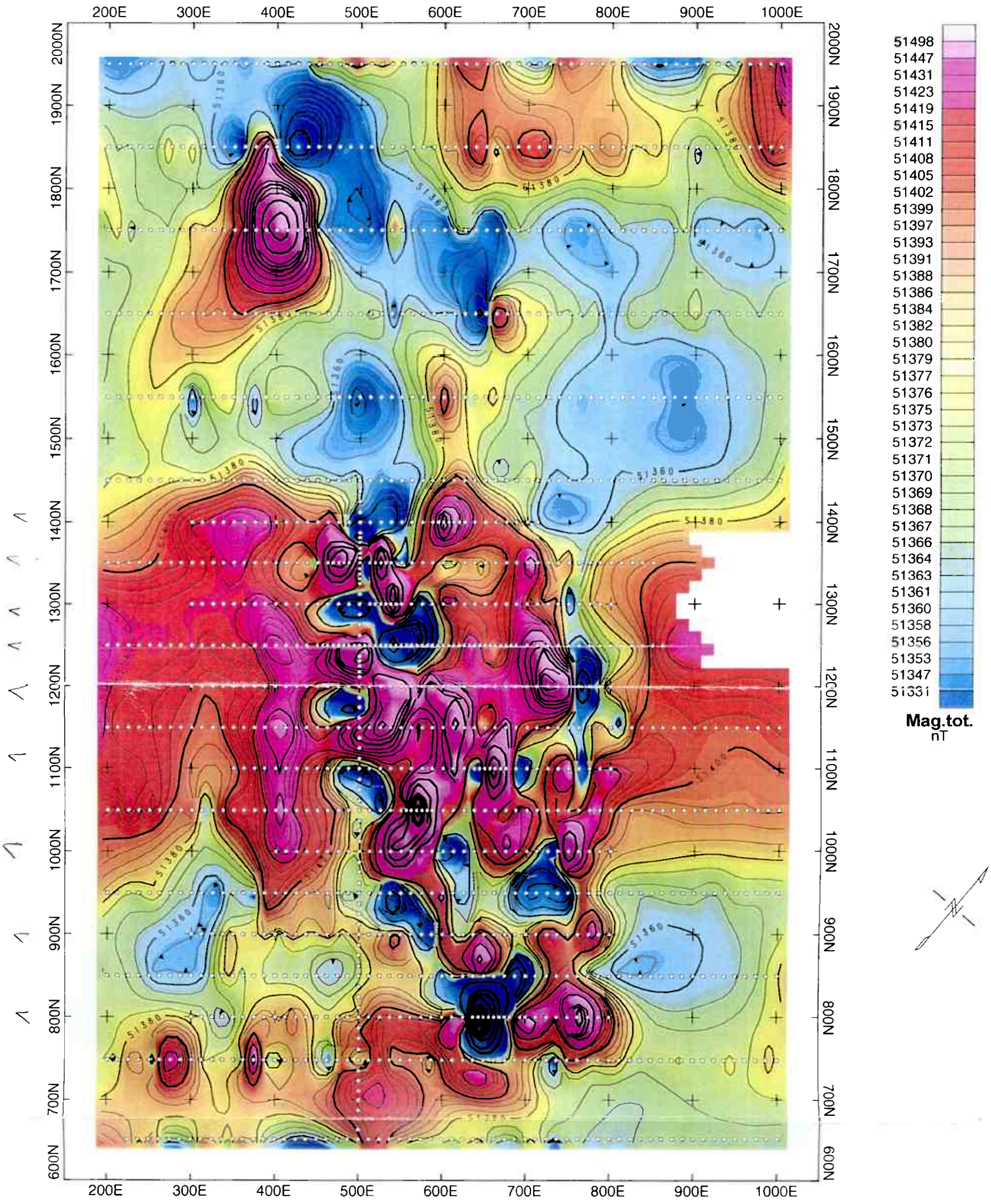
DEVELOPMENT CORPORATION

VLF Fraser-filtered quadrature

KLINKENBERG

2000.064-04

Fig 5



Scale 1: 5000

50 0.0 50 100 150

(meters)

NGU

Norges geologiske undersøkelse

Geological Survey of Norway

CREW

DEVELOPMENT CORPORATION

Magnetic total field

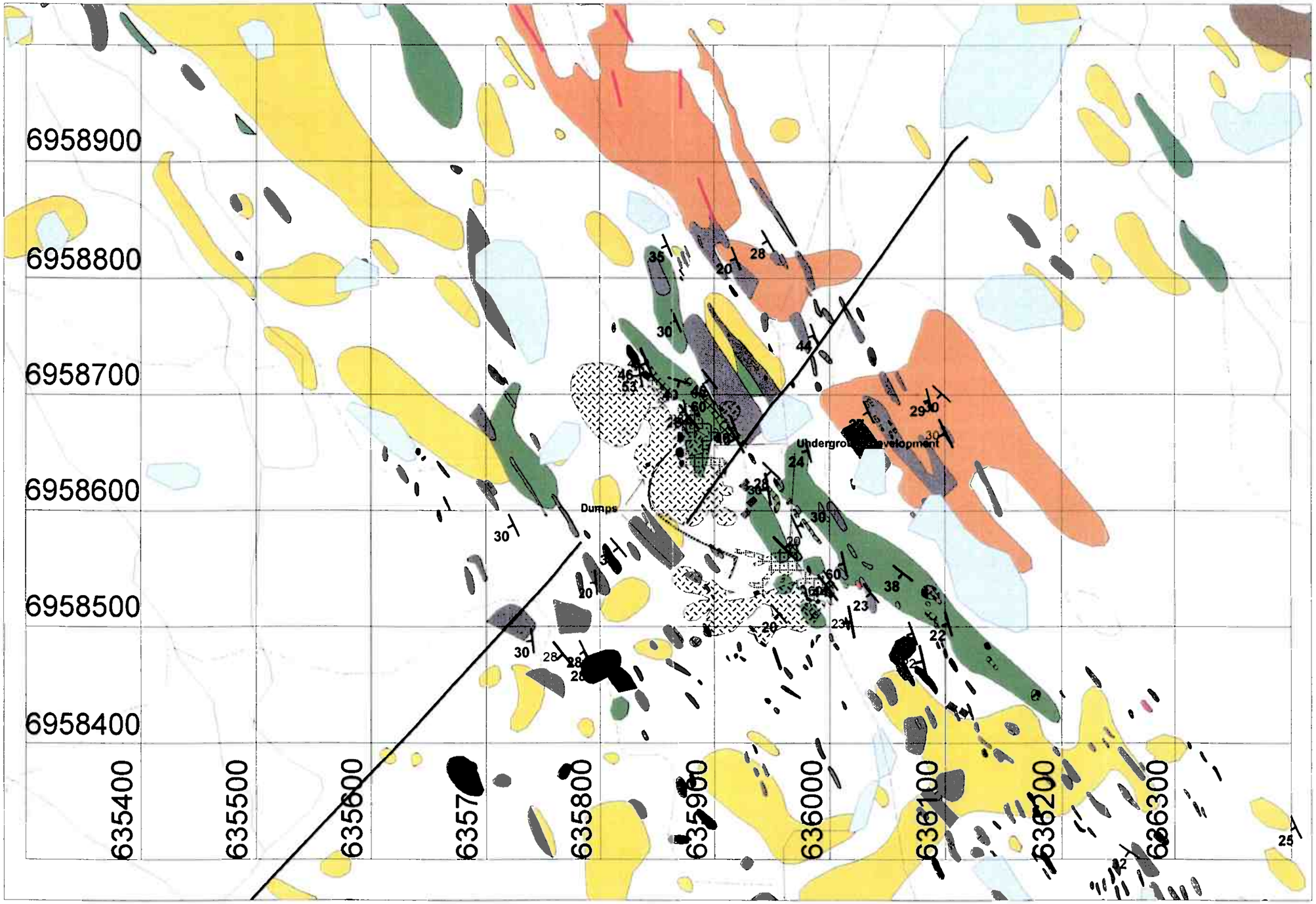
KLINKENBERG

2000.064-02

Fig 6

Klinkenberg: 1:3500, UTM Zone 32, WGS 84

Fig. 7



Geological legend: Klinkenberg detailed grid map

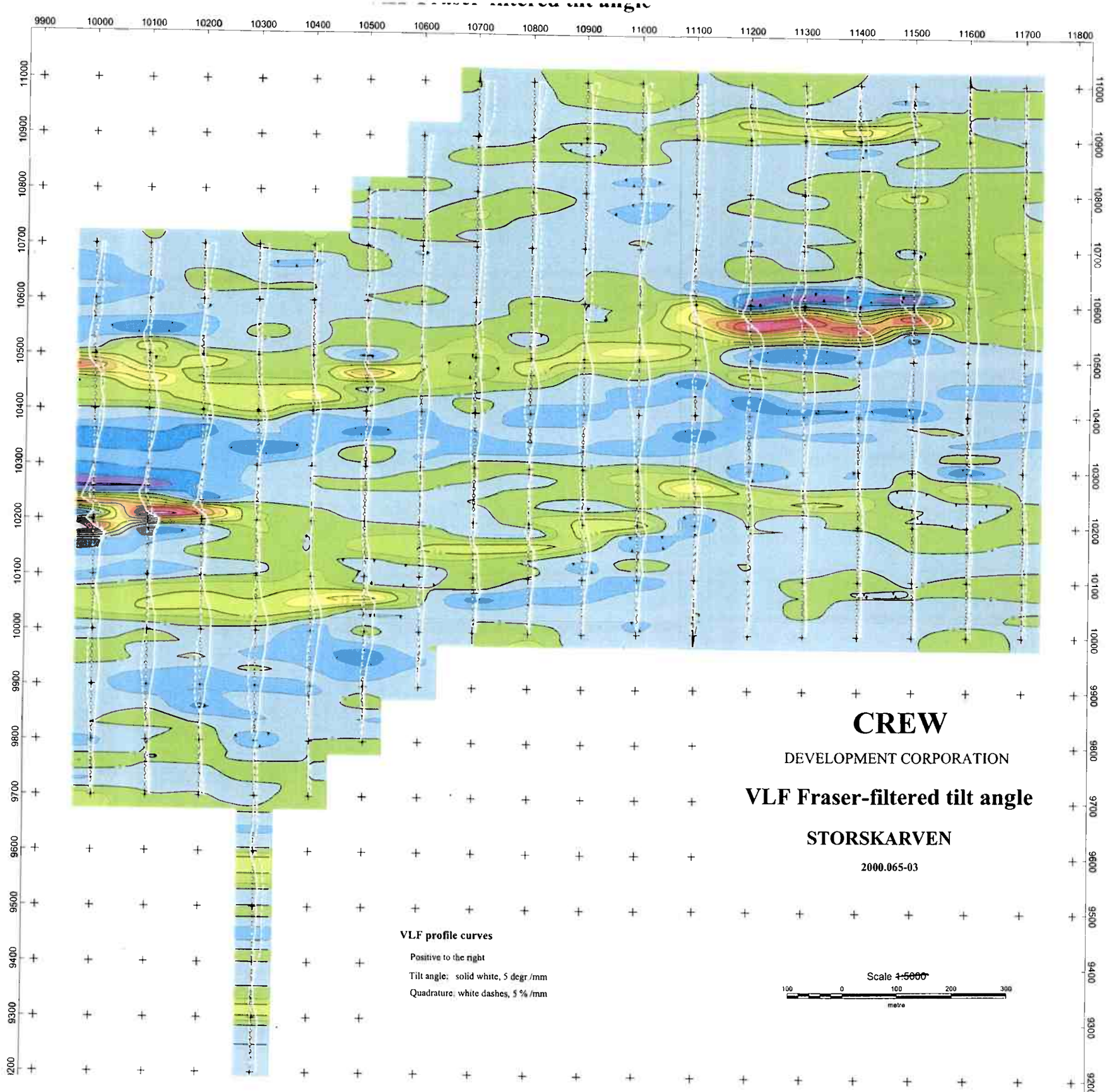
- Fine grained medium grained silt/sandstone with biotite porphyroblasts
- In situ gossan
- Intense quartz veining, often in fold hinges
- Medium grained silt/sandstone, often rich in quartz
- Sericite chloritic schist
- Silt/sandstone with biotite and garnet

Geological legend: Klinkenberg regional

- Gabbro
- Greywacke
- Schist Zones
- Turamzone

In red: Zulphide zones
In black: Faults

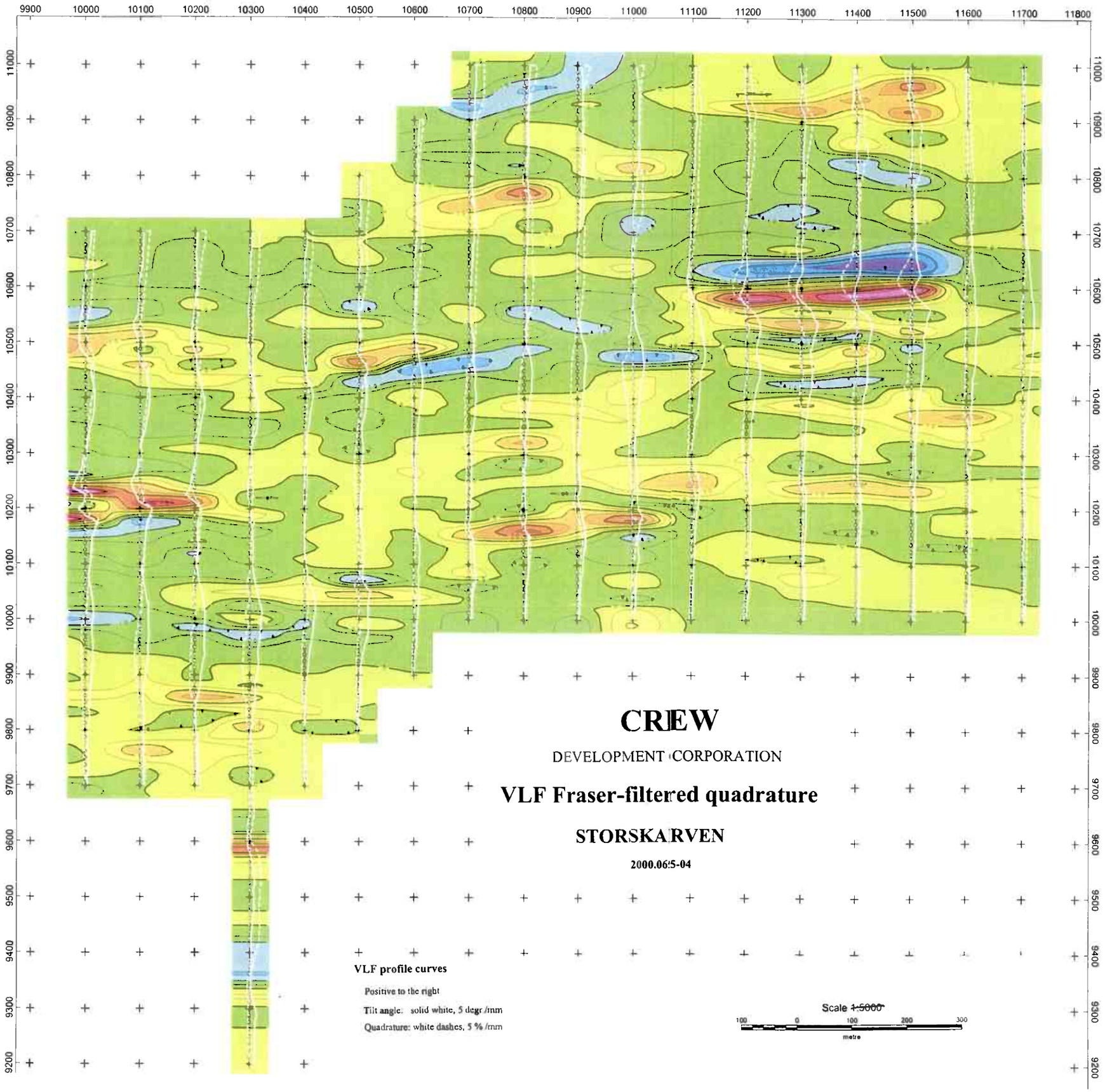
Geological mapping by Rune Wilberg and Denis Schlatter, 1999.



NGU
Norges geologiske undersøkelse
Geological Survey of Norway

Fig 8

VLF Fraser-filtered qadrature



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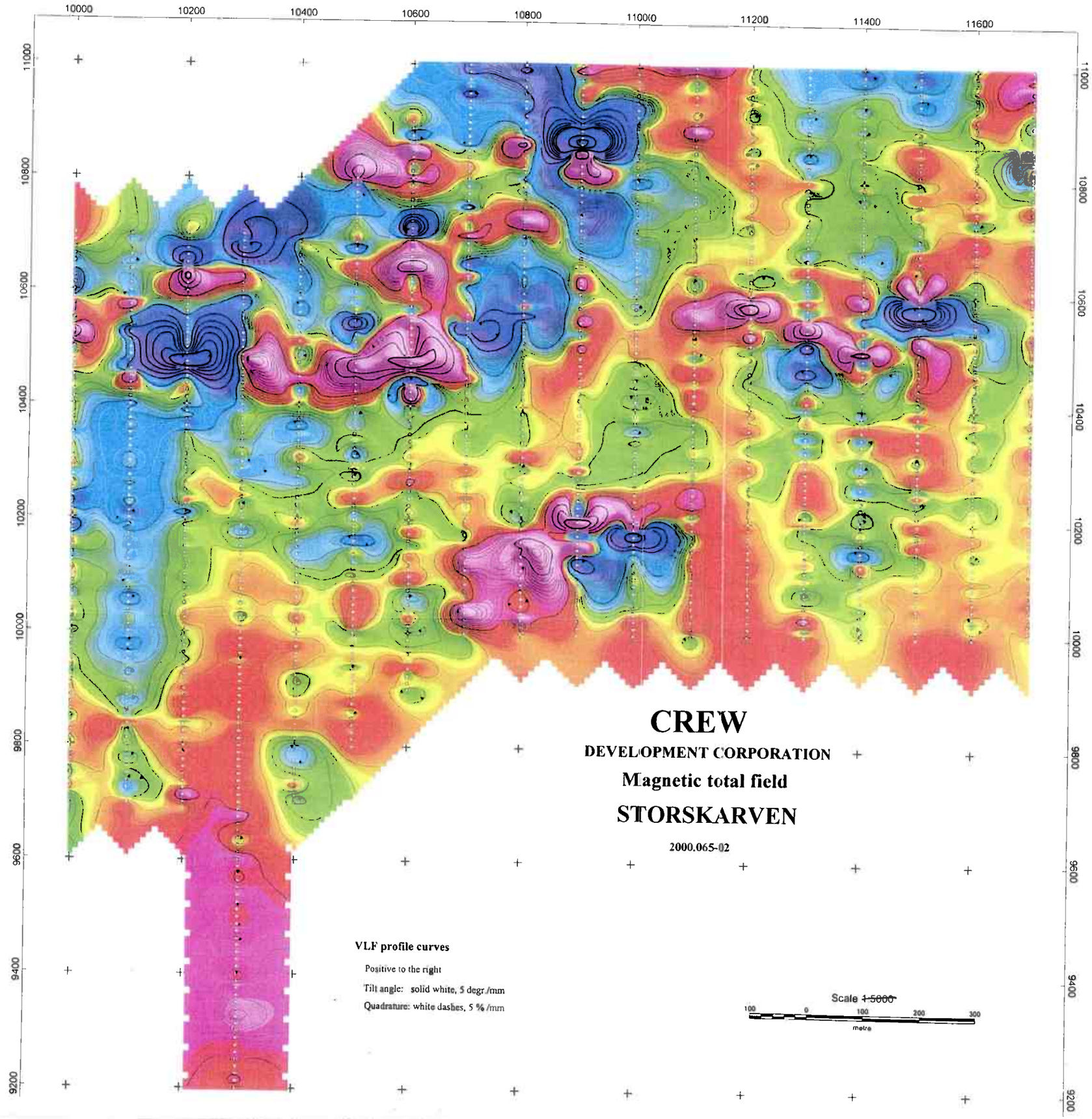
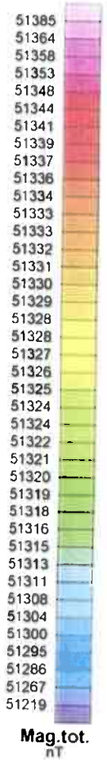
Norges geologiske undersøkelse
Geological Survey of Norway

Fig 9

Fig10





NGU
Norges geologiske undersøkelse
Geological Survey of Norway

Scale 1:5000

100 0 0 100 200 300

(meters)

In total a number of 87 deep soil samples were collected along the same profiles as the ground geophysics, covering the HLEM anomalies. In the eastern part of the grid an additional number of 75 soil samples were collected with spade. For assay results, see enclosures no 4 and 5.

Fig. No 11 exhibits:DOB (to the W) and shallow soil (to the E) samples with Zn content.
Fig. No 12 exhibits:Detailed geology with HLEM ground survey and soil geochemistry.
Fig 13 exhibits: Aero-EM conductors with HLEM ground picks, highest soil anomalies and gossanous areas.
The surrounding area, including several AEM anomalies, was reconnaissance prospected.

Late in the 2000 season several rich copper bearing in situ boulders up to 6 tonnes in size were found (631736E/6961573) about 80m west of conductor A (631802E/6961585N) where a weak gossanous and poisonous drainage area can be seen. Both disseminated, stinger-zones and very rich zones with remobilized cpy is found in a very fine-grained chloritic rock with garnets. For assay results, see enclosure no 6.
A little pyrrhotite as well as native copper was also identified in the mineralized boulders. It should be emphasized that the mineralized boulders were quite "anonymous" exhibiting little or no rusty surfaces.

Gjårdvola (=Gullhåvola, Claim no 39 fig no 2 and enclosure no 1):
Between two historical workings at Gjårdvola the AEM indicated a number of weak anomalies, and an area of about 2.5 km^2 was prospected.
All the weak AEM anomalies in this area (except two, that are buried) proved to be related to limited Cpy(-Sl)-disseminations, often genetically linked to gabbro sills. For description of Gjårdvola mineralization, see fig no 10B and enclosure no 2, R. Wilberg field report pr. 15/8 -2000.
For assay results of rock samples, see enclosure no 6.

2001 Follow-up, proposals for further follow up with conclusions .

Klinkenberg, target no 42:
Drilling will be in part subsidized under a matching grant from Bergvesenet. The NW-extension should be drilled to test the down plunge potential to the NNW. Drilling the HLEM anomaly associated with the massive, Zn-rich exposures SE of the historical development should also be considered. See Røsholt 2001: "Drilling results Klinkenberg Mine 2001".

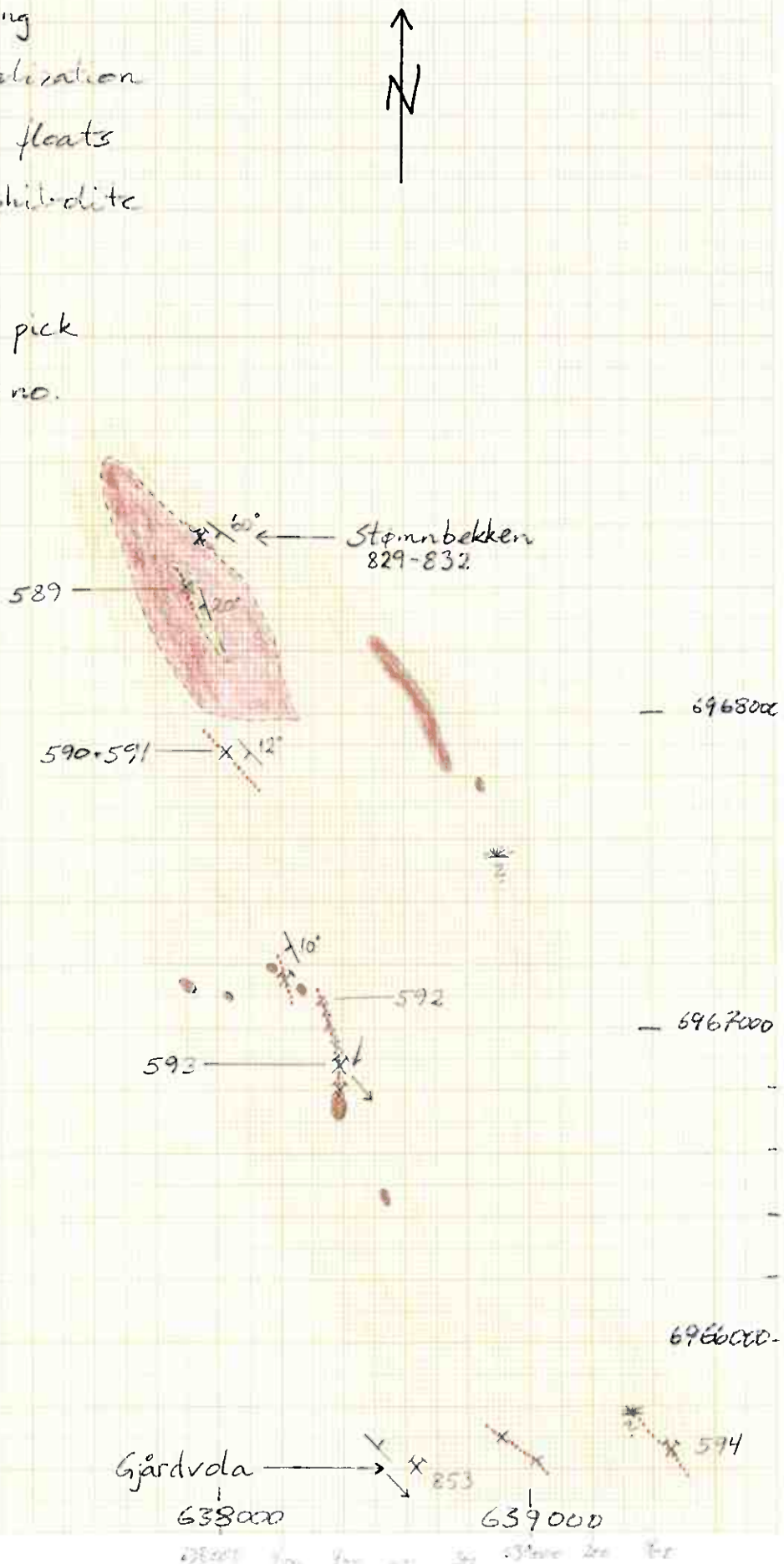
Storskarven, target no 41:
In an area with numerous AEM anomalies, it is not yet found indications of what we are looking for: synsedimentary massive sulfides. Most of the conductors outside of the grid are explained, and revealed to be related to Cpy-disseminations along the contacts to gabbro sills. In the gridded area, the AEM anomalies targeted appear to be clearly

Fig 10B

Gjårdvola - Gulhåvola

Scale 1:20000

- historical digging
- cpy-po mineralization
- mineralized floats
- gabbro/amphibolite
- sediment
- covered AEM pick
- 399590 rock sample no.



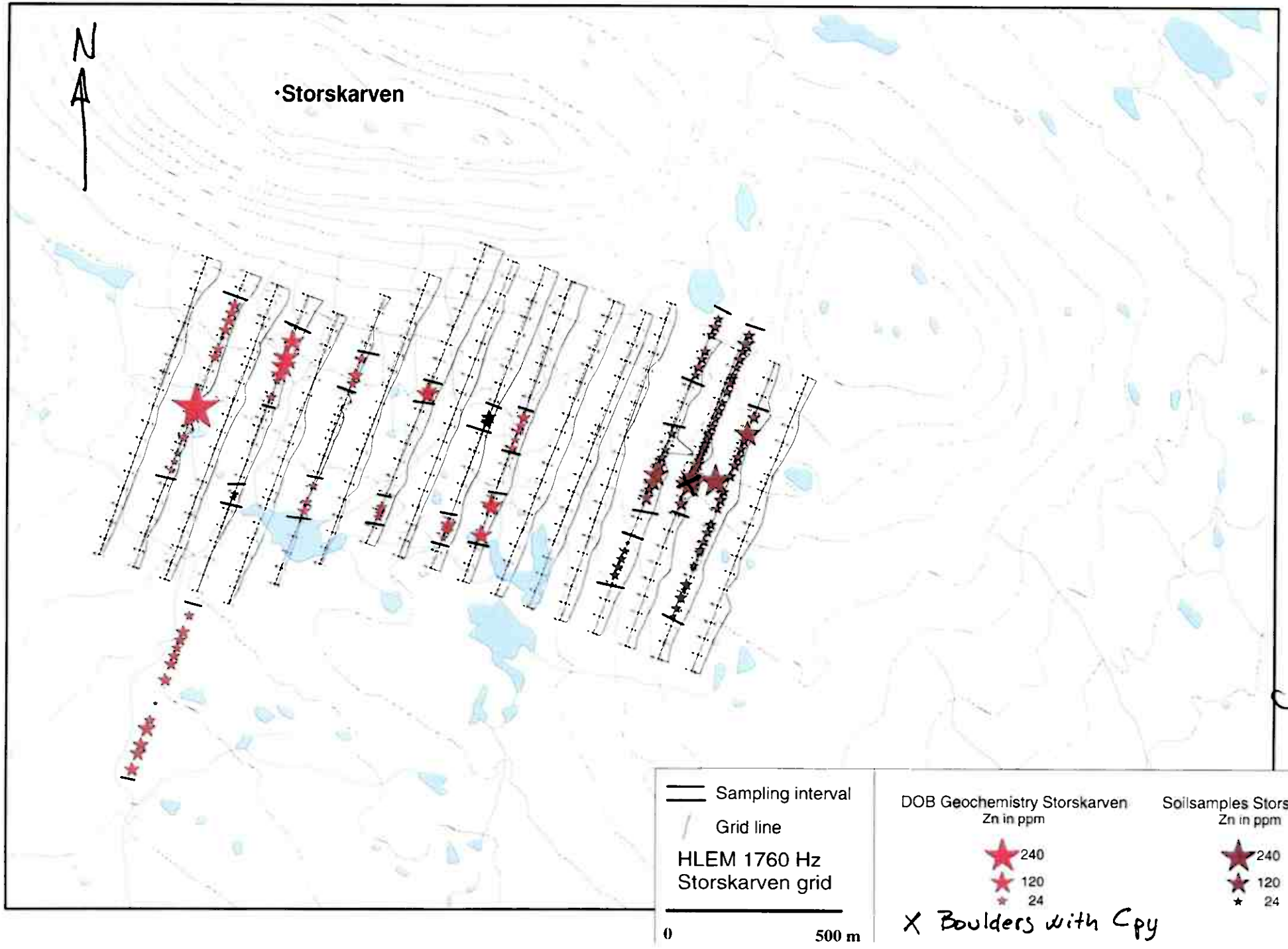

N
Storskarven
Sampling interval
Grid line
HLEM 1760 Hz
Storskarven grid
0
500 m
DOB Geochemistry Storskarven
Zn in ppm
240
120
24
Soilsamples Storskarven
Zn in ppm
240
120
24
X Boulders with Cpy

Fig 11

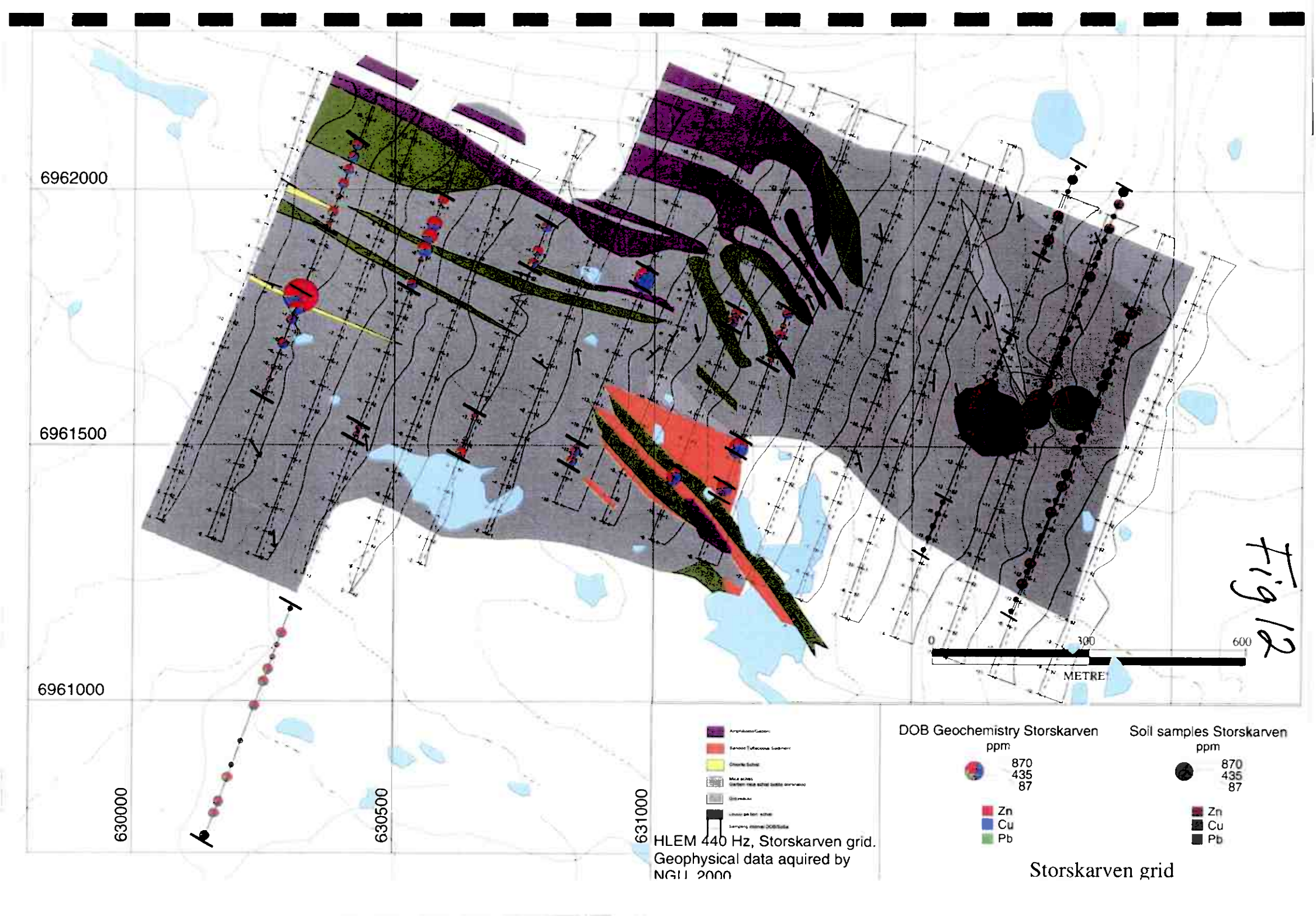


Fig 12

HLEM 440 Hz, Storskarven grid.
Geophysical data aquired by
NGU 2000

Storskarven grid

Fig. 9: Storskarven Geophysical & Geochemical Compilation

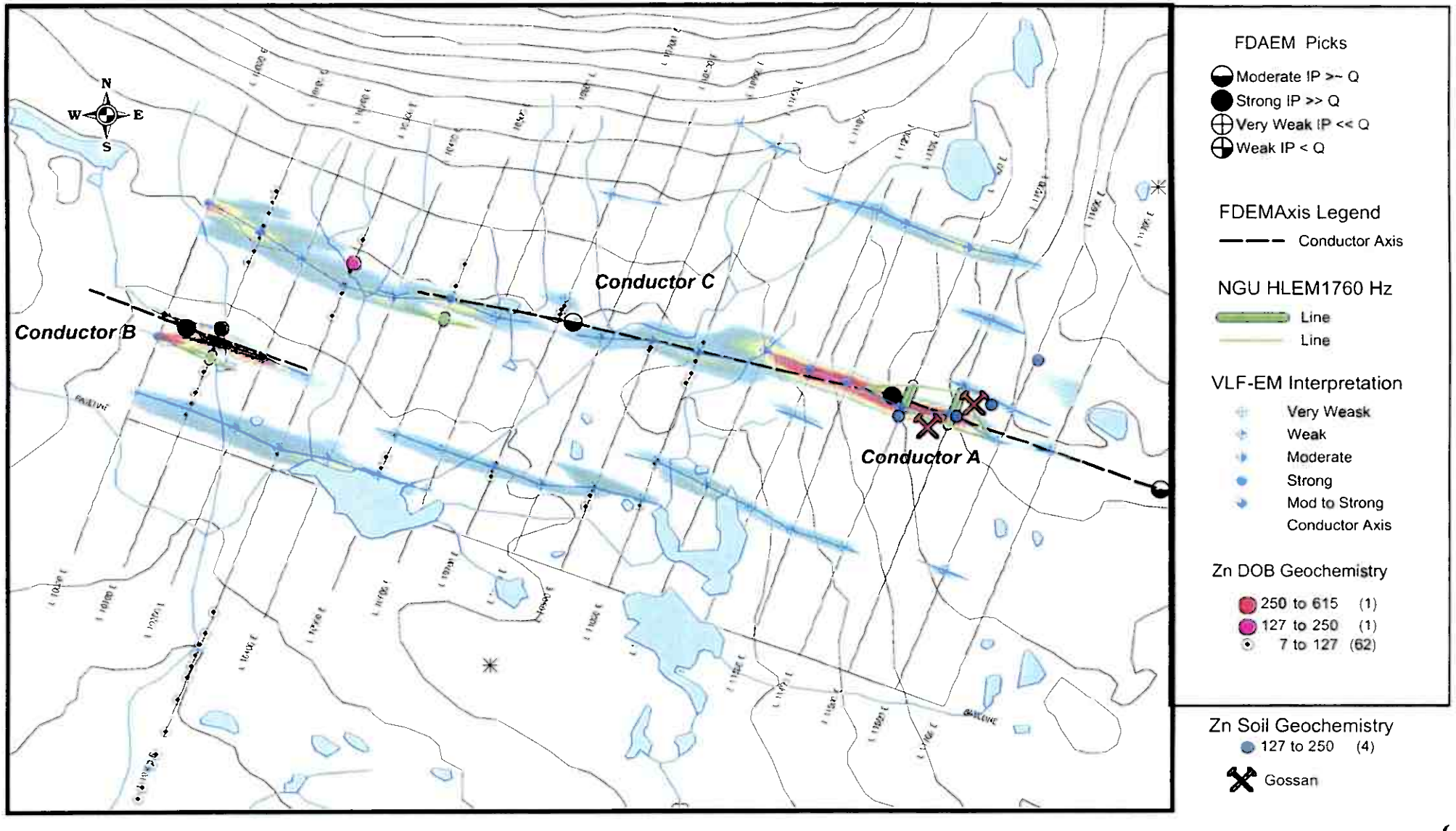


Fig 15

delineated by the VLF data, and can be traced over several 100 meters. The HLEM data over these extensive conductors offers little encouragement, however. One significant geochemical anomaly is coincident with the extensive conductor at 10100E 10250N. Only one exposure that could offer explanation to this trend was detected: rusty chlorite schist with weak pyrite-dissemination at 10000E 10225N.
The strongest HLEM response, a moderate strength anomaly, located on lines 11400E and 11500E centered approximately between 100500N and 10600N have coinciding geochemical anomaly. For locating anomalies: (11565E/10575N=UTM 631802E/6961585N; 11520E/10550N=UTM 631736E/6961573N; 11308E/10350N=UTM 631463E/6961457N). This can be explained by a flatlying Py-Cpy-disseminated chlorite schist zone along the footwall of a gabbro sill. It is poorly exposed and partly covered by gossan. Blasting should adequately conclude on this mineralization. Estimated time for follow up: Three days digging, blasting and detailed geological mapping for two men.
The copper rich boulders found in the anomalous areas of Storskarven resembles much the copper rich sections from drillings at Klinkenberg. It is believed that it is the same discontinued horizon that can be followed from Klinkenberg to Matz to Fjellgjelt to Storskarven. The ground geophysical survey covering the respective areas indicate the discontinuity of the mineralized zone. Only a continuous mineralized zone of the dimensions seen at Klinkenberg could represent a potential justified for a further follow up. It is therefore not recommended to do more exploration work in the mineralized zone between Klinkenberg and Storskarven.
For more details, see enclosure no 2 R. Wilberg field reports no 2, 1 and 3 with field map from Storskarven and assay results encl. No4, 5 and 6.

Sjursvollen, target no 40:
Sjursvollen is located in the western part of the area. See fig. no 3 and 14. Extensive, wide AEM trends are located at the west side of Litlmolingdalen, trends with characteristics of conductive cover, found in many areas of wetland and lakes. The airborne survey also indicate strong mag anomalies associated with the EM trend.
This combined anomaly was first followed up in 1999 with stream sediment sampling. See fig no15 and enclosure no 3. Only five samples returned elevated contents of zinc in the North central part of the area
Ground mag is measured in two areas. In the southern area, the stronger mag anomalies are coincident with ridges (see mag maps fig 16A and B), which is gabbro or moraine, the former being the most probable explanation for the enhanced mag. In the northern area, the easternmost anomaly also follow along a ridge, while the westernmost runs along the upper edge of a terrace.
Only the southern part is covered with DOB profiles. In fact, the DOB samples show enhanced Zn related to three of the mag anomalies in this area (see soil geochem map, fig 17).
Next step in the follow – should be a combined Mag, VLF and DOB sampling program with about 25 samples. covering an area north of areas mag and DOB surveyed. The proposed area is located between 23000E/60300N and 24000E/60500N where a combined EM and Mag anomaly occur close to three stream sediment samples with

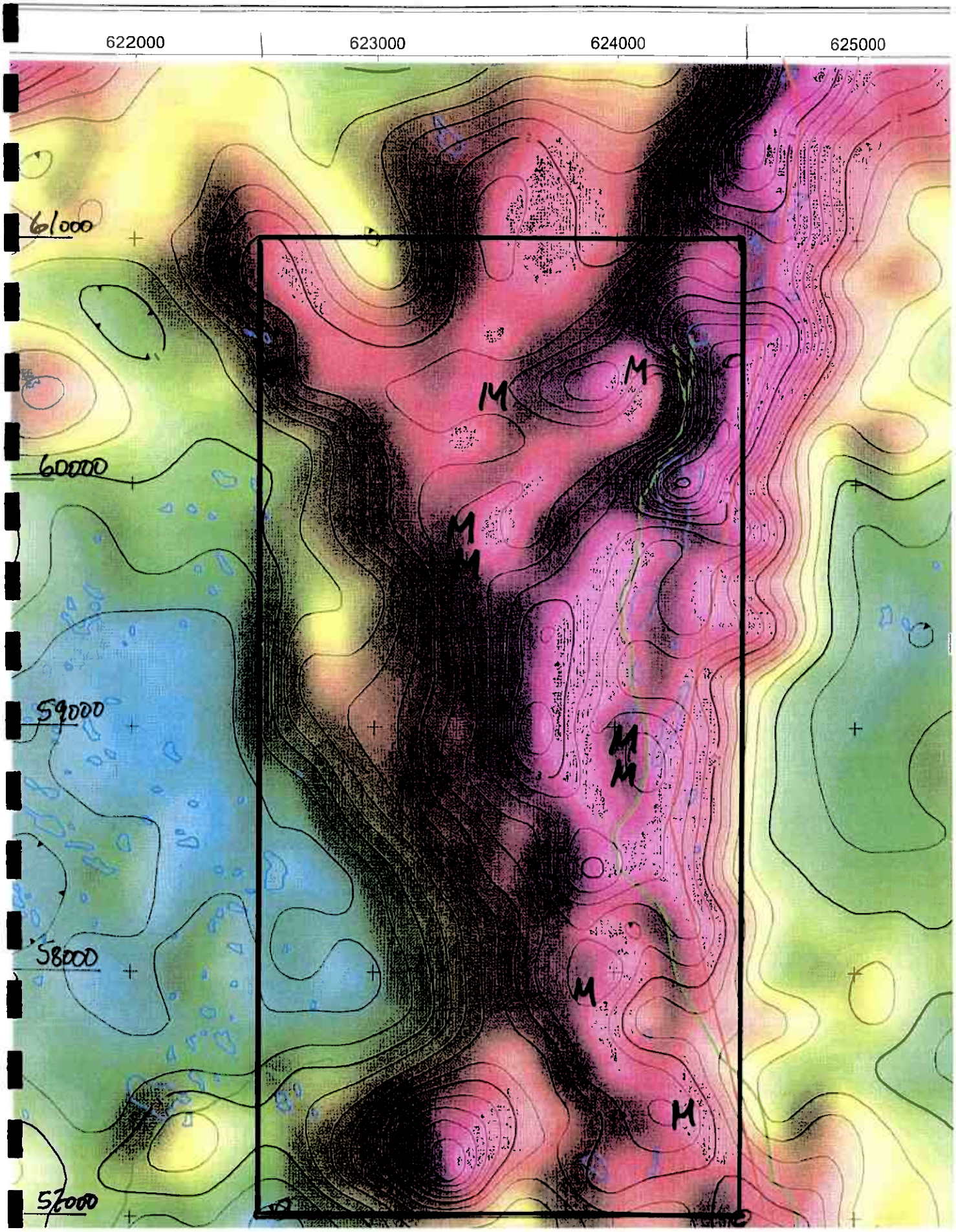
Sjursvollen, target no 40

Aero-EM 980 Hz coplanar coils

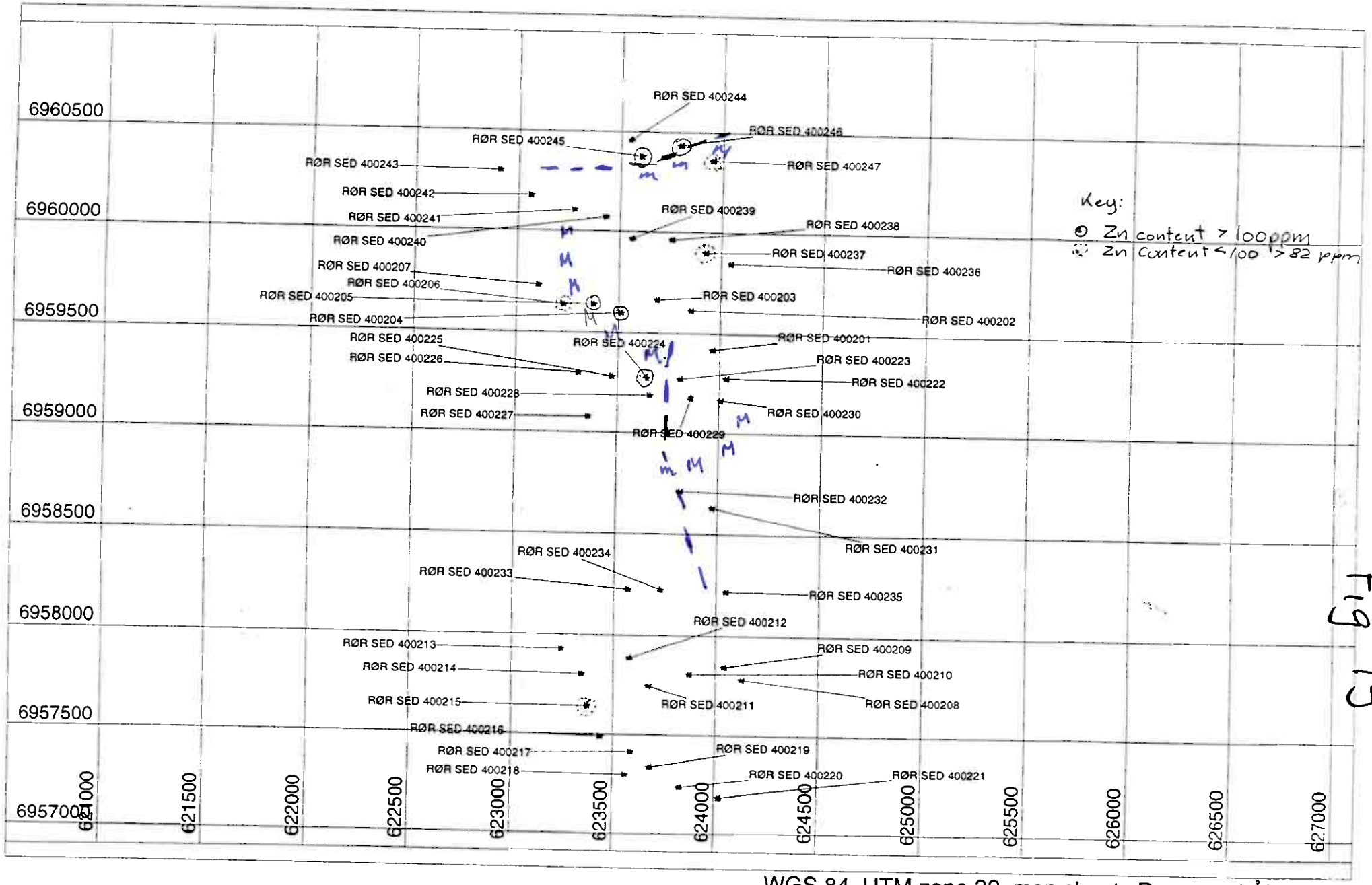
M : Aero-Magnetic anomaly

Scale 1:20000

Fig 14



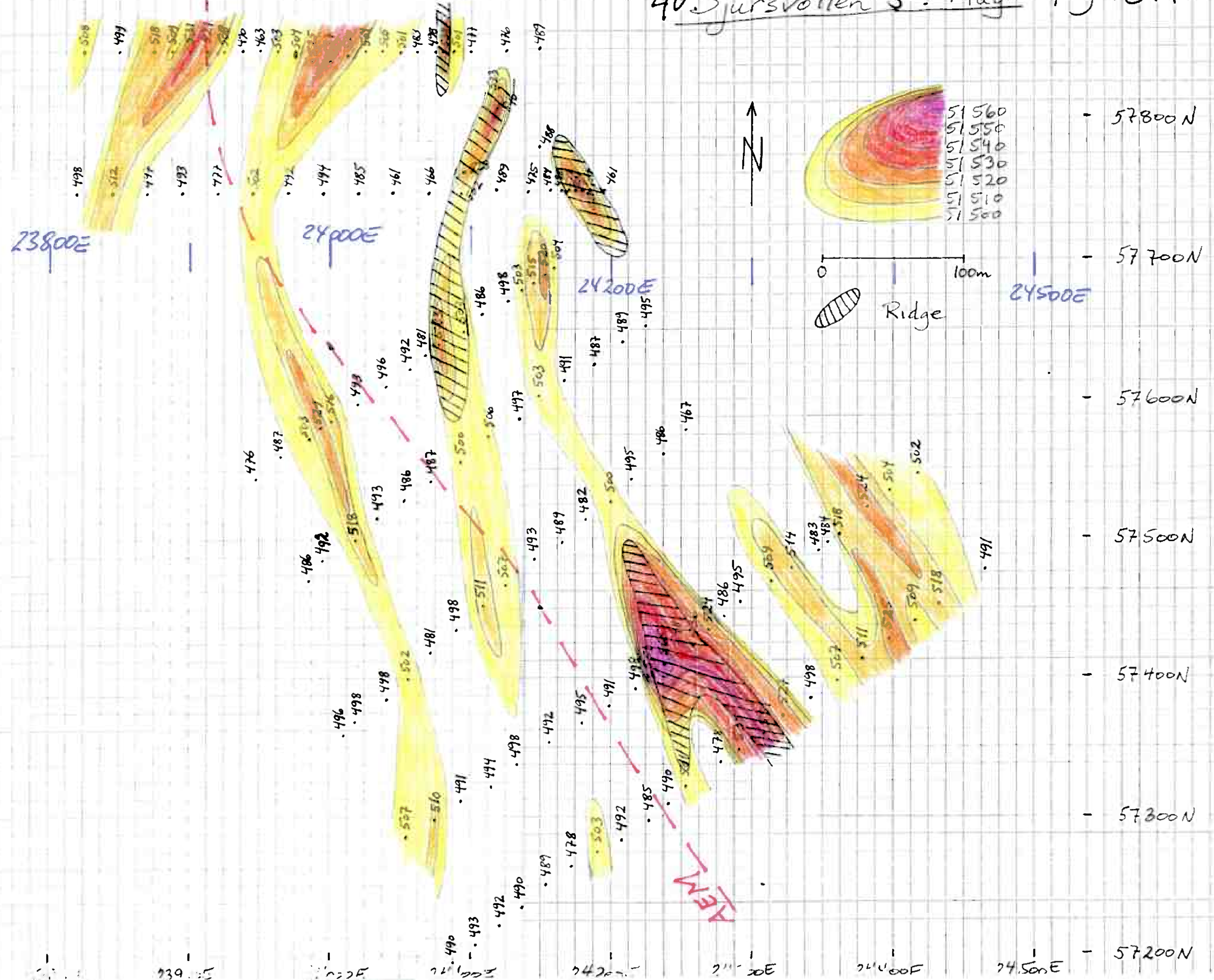
Røros: Sjursvollen sediment

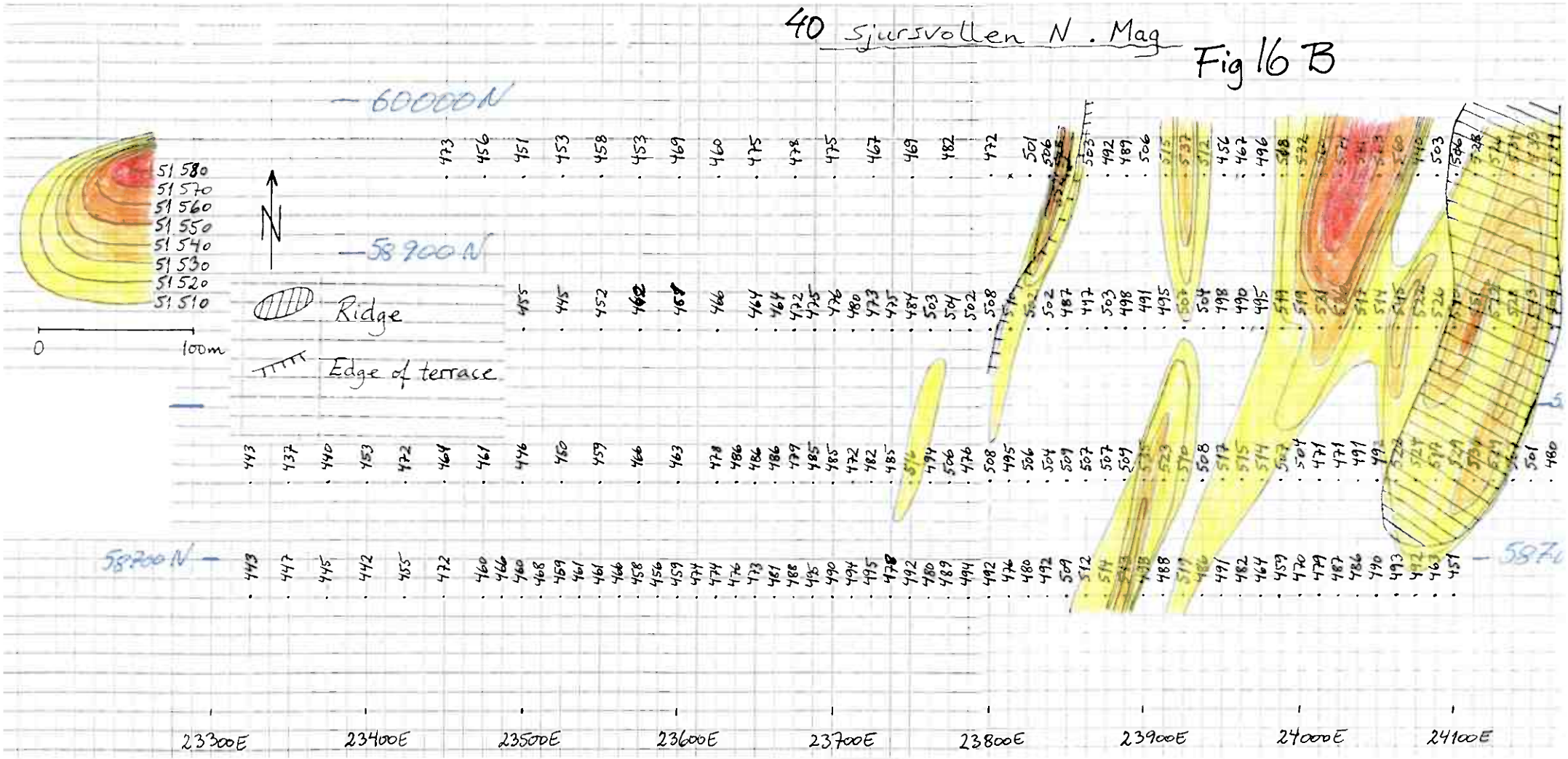


WGS 84, UTM zone 32, map sheets Røros and Ålen
DS, 3.11.99

Fig 15

40. Sjursvollen S. Mag Fig 16A




40 Sjursvollen N. Mag
Fig 16 B
60000N
58900N
58700N
N
Ridge
Edge of terrace
51580
51570
51560
51550
51540
51530
51520
51510
0
100m
23300E
23400E
23500E
23600E
23700E
23800E
23900E
24000E
24100E

40. Sjursvollen
Soil geochem.

Fig 17.

Cu / Zn ppm

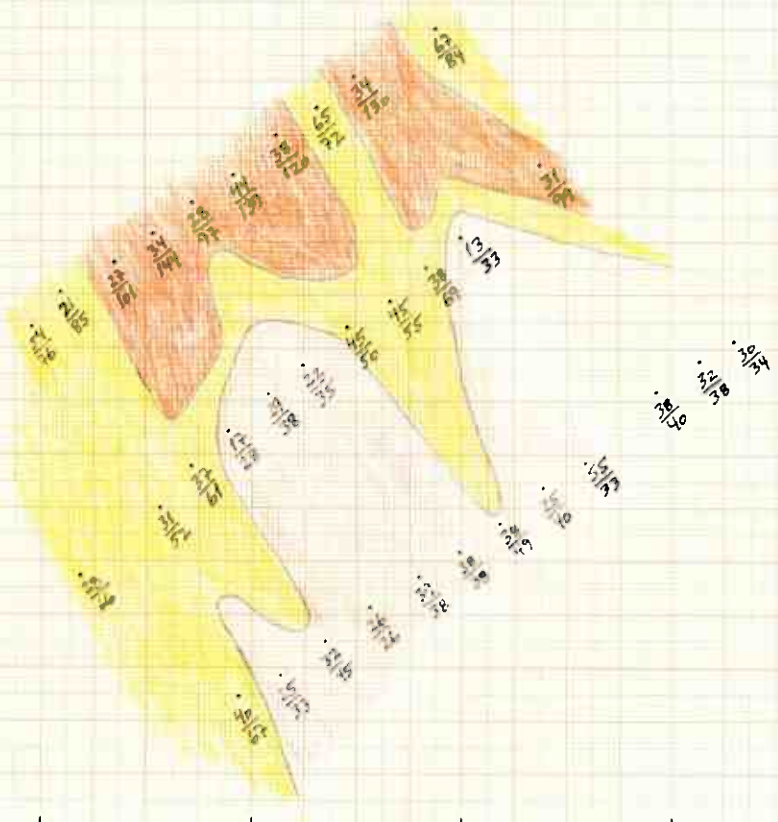
Contoured Zn

90 ppm

50 ppm

0 50 100m

N



58200N

58100N

58000N

57900N

57800N

57700N

57600N

57500N

57400N

57300N

23800E 23900E 24000E 24100E 24200E 24300E

elevated Zn contents. A further follow up should be prospecting along river cuts, where at least a few outcrops occur, combined with some VLF profiles.

For Klinkenberg-Storskarven area, only the Sjursvollen Target no 40 is recommended for further follow up with VLF, Mag and DOB as follows:

Estimated costs of proposed follow up work:

Storskarven, target no 41:				
Digging, blasting, mapping	6 days	NOK 4000/day	NOK	24000
Sjursvollen, target no 40:				
DOB sampling	2 days	NOK 4000/day	NOK	8000
VLF and Mag surveys	2 days	NOK 4000/day	"	8000
Assays			"	7000
Field transportation, travel			"	9000
Housing, allowances			"	8000
Total			NOK	64000

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ENCLOSURES

Encl. 1.

Summary of results of ore samples from Klinkenberg-Storskarven ore field.

32. Klinkenberg (Klinkenhåmmåren) UTM 0635821 6958721

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399688	41	1,4	14000	54	856	27	> 10.00
399689	122	11,9	16000	3752	128000	95	> 10.00
399690	144	1,1	30000	64	1593	9	20,4
399691	438	12,4	3883	5317	245000	99	27,3
399692	137	8,6	2914	2647	163300	190	< 10.00
399693	128	7,3	15000	1915	104000	140	> 10.00
399694	350	51,8	15000	27700	48000	64	> 10.00
399784	419	12,3	9141	3024	34000	196	11
400053	778	10,7	50000	797	26800	187	> 10.00
400054	756	7	31600	2110	43000	136	> 10.00
400055	644	7,7	21600	1889	73200	112	> 10.00
400056	737	8,7	26000	2877	107300	191	> 10.00

33. Matz (Klinkenhåmmåren) UTM 0635318 6959057

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399698	534	3,9	30000	149	1000	92	> 10.00

34. Fjellgjelt (Klinkenhåmmåren) UTM about 0634650 6960500 to 0634850 6960150

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399750	115	4,1	53000	129	782	118	19,2
399751	44	1,9	22000	72	385	133	18
399752	86	2,5	18000	96	87000	126	11,9
399753	125	3,8	26000	51	108000	116	12,6
399754	779	2,7	23000	48	31000	143	9,01
399755	79	0,2	4414	24	5209	90	4,15
399756	201	12,1	75000	219	5726	127	22,5

35. Sødalsgruben (Klinkenhåmmåren) UTM 0638058 6959153

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399695	90	7,1	13000	1121	57000	20	9,84
399696	87	12,1	29000	1163	88000	9	11
399697	408	24,3	38000	17100	15000	< 5	8,48

36. Storhøgda (Storhøgda) UTM 0641871 6961606

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
400050	231	47,7	57300	18700	116900	5	8,49
400051	412	13,6	13700	8555	168400	< 5	> 10.00
400052	103	2,3	8755	1281	18800	15	4,81

39. Gulhåvola (Gjårdvola) UTM 0638630 6965600

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399853	23	3,2	9275	43	577	< 5	12,4

41. Syaosen I (Nersjøen) UTM 0631529 6966442

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
400030	56	2,8	11200	13	15700	16	> 10.00
400031	40	3,6	14700	11	7708	29	> 10.00
400032	37	3,2	14200	13	8131	10	> 10.00
400033	164	8	35500	16	9239	10	> 10.00

42. Syaosen II UTM 0630840 6966765

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
400034	19	7,1	36900	14	592	9	> 10.00
400035	18	6,7	33300	14	421	13	> 10.00

43. Syaosen III UTM 0630531 6966841

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
400036	28	5,5	22600	14	568	8	> 10.00

44. Skarvbekken (Skarvbekken) UTM 0628346 6965430

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	Ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399766	196	1,6	5030	20	74000	88	29,7
399767	270	1,8	3144	17	79000	146	> 10.00

47. Molingdalsskarven (Molingdalsskarven) UTM 0628675 6961427

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399764	357	5,4	22000	42	259	103	11,2
399765	441	4,3	15000	31	195	104	8,59

48. Litlskarven UTM 0628724 6963917

Element	Au30	Ag	Cu	Pb	Zn	As	Fe
Units	ppb	ppm	ppm	ppm	ppm	ppm	%
L.R.L.	5	0,2	1	2	1	5	0,01
399860	37	2,1	5362	36	7408	42	> 10.00
399861	36	1,7	4449	36	59000	43	> 10.00

Encl. 2

Geological mapping Klinkenberg.
Field work Røros Project Oct. 99.

The main task for the field work 1/10 – 29/10 1999, geological mapping around Klinkenberg, was limited to 5 ½ days, due to snow.
Additional work included stream sediment sampling (47 samples) at the Sjursvollen AEM – anomaly, gridding and geophysical survey (VLF and Mag.) at Klinkenberg (prof. 650N – 1450N, 200E – 1000E).
4 days was spent at Bergvesenet / NGU to compile data from Nordgruvefeltet.

The geological map Klinkenberg covers the area between Fjellgjelten, Søvatnet and Langtjern. Base for the mapping was air photos, scale 1 : 5000, and the data was transposed to the Turam map (same scale) from 1949 (Singsaas & Brækken 1950).

3 rock types are delineated:
- greywacke
- chlorite-biotite schist, with subtype "Turam zone"
- gabbro

It was not found appropriate to differentiate the greywacke, even though it is variations; from light to dark grey (fine- to medium grained), from quartzitic to more immature sediment with increase in feldspar and biotite, from massive / compact to banded / bedded and schisty.
A common feature in the greywacke is Fe-carbonate spots, in places up to 10-15 vol% of the rock. Hornblende porphyroblasts (garbenschist), common in other areas, are seldom observed in the Klinkenberg area. They can be found in greywacke close to gabbro lenses and a few other places.

As primary depositional features, like graded bedding in the greywacke are preserved, it is also assumed that the schist horizons reflect the protolith, being a more muddy / clayish deposition in the greywacke sequence.
One question regarding the chlorite schist layers is: regional metamorphism of this clayish sediment versus chlorite alteration associated with ore deposition. The chloritization at Klinkenberg is assumed to be caused by overprinting of chlorite alteration in connection with ore deposition and later regional metamorphism. The area of most pervasive chloritization is Gammelgruben, enveloping the brecciated pyrrhotitic ore. One possibility is to interprete the pyrrhotitic ore as the Feeder zone; thus followed by hydrothermal alteration on either side. The exhalative, banded Zn-pyritic deposition SSE-wards from the Feeder zone is more pronouncedly accompanied by sericitization and silicification. Zonation in the deposit is reflected in increase in Zn and decrease in Cu distally away from the Feeder zone.

The schist horizons:
4 types of schist are distinguished (but not differentiated on the map):
chlorite schist (+-sericite), biotite schist (+-chlorite), chloritic schist with biotite porphyroblasts, and phyllite.

Typically, the schist layers reflect their incompetent character by kink-/chevronfolds. They commonly contain frequent quartz bands/lenses. The fieldnamed "Turam zone", running from Klinkenberg to Fjellgjelt, is somewhat different in appearance (hence other color). It is pronouncedly tectonically disturbed, by internal folding. It is, in opposition to the other schist horizons, a mixture of chlorite schist and greywacke, with kinkfolding in the chlorite schist and buckle-/ptygmatic folding in greywacke horizons. Dissemination of Cpy(-Py-Po-Ga) are common along its entire, approx. 2.5 km extension between Klinkenberg and Fjellgjelt, in places accompanied by silicification. Richer sulfide-disseminated zones occur incontinuously along the Turam zone, some of which are hosted in narrow bands of a distinct rock type, a feldspar(?) porphyritic biotite schist (sample B99), which could well be a volcanogenic / tuffaceous rock.
The more or less continuous Turam anomaly bound to this zone from Klinkenberg to Fjellgjelt is interesting. Due to its length (at least 2.5 km), it is assumed that the sulfide dissemination could explain the EM conductor(s). VLF and Mag. indicate separate / individual anomalies along this zone. This is in agreement with the separate, scattered rust zones (enhanced sulfide content) seen along the entire length from Klinkenberg to Fjellgjelt.

Samples collected from the "Turam zone":
A99; 1405N 645E: Quartzite / greywacke with diss. Ga, Py, Cpy and Po(?)
B99; 1495N 650E: Feldspar-porphyritic biotite schist with Cpy-diss. and malachite
C99; 1535N 630E: Biotite schist with Cpy-diss.

The connection between the different schist horizons met upon in the mapping profiles, demand more follow-up along them. The structural interpretation shown in fig. is thus loosely based (is there 1, 2 or more schist zones that are repeated by folding?), but gives an idea.
The mapped pattern of the schist layers reflects the recumbent folding with axis NNW – SSE to NW – SE, gently plunging to NNW to NW (sometimes to the SSE to SE), refolded with N – S axis.
All the known mineralizations in the area (Klinkenberg, Matz and Fjellgjelt) are hosted in these chlorite schist layers:
Fjellgjelt 1 and Matz along the SW limb of a synform, and Fjellgjelt 2 and 3, to the NE, at either side of the crest of the subsequent antiform. This NNW plunging antiform ascends SSE-wards with each limb on either side of the Klinkenberg deposit, which seems to constitute the core in this recumbent antiformal structure. The SSE-end of the "Turam zone" possibly bend around and ties up with the SSE-continuation of Klinkenberg.

Movement (sliding) is seen to occur along the crenulated chlorite schist layers. Local thrusting has occurred along the soft (opposed to the rigid greywacke) chlorite schist layers. In this case it is a sharp boundary between the schist and the greywacke, while transitions from chlorite schist, through schisty and banded greywacke, to compact greywacke are seen in other places.

Sills and lenses of gabbro are intruded along a horizon from east of Søtjørna NNW-wards to Klinkenhåmmåren. The gabbro is mainly fine- to medium grained, the more extensive sill east of Søtjørna being coarse grained. The gabbro is often rust stained, coming from a low Po-content.

Approx. 650 m NW of Søtjørna a few-cm thick rustzone can be seen at the border between greywacke and chlorite schist. It has a low content of diss. Cpy, Py and aggregates of a blue, platy, secondary Cu-mineral, probably covelin.

Turam anomalies:
The Turam anomalies are followed-up. Except of the conductors related to mineralization at Klinkenberg, Matz, Fjellgjelt and Sødal, the other anomalies seem to be related to structural features. These latter anomalies are very weak, except two parallell, slightly more conductive anomalies cutting the Sødal mineralization. An approx. 300 m long, weak conductor, 200 m north of Langtjern, following a chlorite schist layer, is not explained.

The Sødal mineralization should have been included in this mapping program, but mapping east of Søtjørna was unfortunately prevented by the snow fall.

1999-11-01
Rune Wilberg

RW field 2

Røros 2000

Preliminary results

Geological follow-up
June-July 2000
Rune Wilberg

The work has consisted of detailed mapping in the Tjønnvollmyran and Storskarven grids, and reconnaissance prospecting of selected aero-anomalies in both sedimentary and volcanic environments. The work has been focused on targets referred to in "Proposed Spring – Summer Field Program" (Chris Collins, June 9, 2000).

AEM anomaly A (Storbekkhøgda) is found at 0632190 6961464, from where it runs at least 250m SSE and 100m NNW, as a rustzone in a slight depression in the terrain. It is 50-100m wide, and partly exposed. It is some iron cap floats in the overburden, which seem rather hostile to vegetation. The rustzone consists of, in places rusty chlorite schist ±garnet and muscovite, with quartz lenses, and mica schist/graywacke. Only weak py-diss. detected. Sample of py-disseminated mica schist. The direction of the rustzone deviates from the interpreted direction of the anomaly – it runs with the direction 160°. The schists have strike 140-160° with westerly dip. Folding with axis 140-160°. Schistosity at 0632050 6961550 (outside the rustzone): 140°/20°.

Also in the eastern part of the grid (11300E-11700E) the same NNW-SSE trend yields. This part of the grid has to be structurally/geologically mapped. The following observations are made by prospecting the conductors in this area:
At Storbekkhøgda the degree of exposure is high, but the majority of conductors seem to be covered by thin overburden (easily exposed by shallow trenching), except:

a) 11565E 10575N: floats of iron cap and rusty schist. Outcropping schist with weak py-diss. Schistosity: 350°/60°.
b) 10505E 10575N: flatlying chlorite schist with strong rust staining partly covered by gossan.

Structural measurements: 11500E 10625N: schistosity 175°/50°. 11530E 10760N: open folds with slightly dipping axis towards south (175°).

AEM anomaly B (Molingdalsskarven)
0629204 6962155: Approx. 0.5m thick rusty layer of cpy-disseminated garnet (up to 8-10mm size)-chlorite-amphibole-biotite schist with more or less quartz and feldspar, and quartz-lenses. Sample. The rustzone is also exposed along the ridge 50m to the west and 100m to the WNW. N of the rustzone, dip towards N, while S of it, flatlying to southerly dip. The rustzone is also outcropping in a small exposure 50m to the S, on the other side of a depression. The rustzone is occasionally exposed up to approx. 200m away in a ESE-erly direction, though characterized by more muscovite, sericite and chlorite. Further ESE, the rustzone shows up again at 0629616 6961946: chloritic schist with weak py-diss. Probably connected to conductor B in the grid(?)

AEM anomaly D (Litlskarven)

0628435 6963409: Approx. 1-1.5m thick, NW-SE-running, rusty, garnet-rich chlorite schist (minor amphibole). Schistosity 75°/25°. Gabbro and hornblende schist above and below. Little sulfides seen in the scarce outcrops, but locally derived floats show garnet-amphibole schist (finegrained, schisty amphibolite with coarse garnet) with cpy-py-po-diss. Sample. Killingdal Grubeselskab has conducted ground EM and drilled a few short holes in 1959-62 (GM rep no 391).

NW of this mineralization, at 0627631 6963953, is a tiny digging in a north-facing ridge, below the Litlskarven gabbro. In the Røros fm. sediments, biotite schist in footwall and chloritic mica schist in hangingwall, appear a 2m thick, more or less flatlying sulfide-diss. The silicyfied mineralization consists in the upper 1m of a white "felsic fels", schisty in the upper part, containing quartz (dom.), garnet (up to 10mm sized "balls" of intergrown garnet and quartz), amphibole, carbonate, chlorite, biotite, and cpy-diss. and traces of sl. The lower 1m is a fine grained, silisyfied amphibolite with garnet-quartz eyes and po-diss. and traces of cpy. Sample.

(0627817 6963892: Folded, axis 165°/25°, garben-mica schist. Sediments up to 0627791 6963734, which is the contact to the overlying medium grained gabbro (fine- to medium grained hornblende schist close to the contact). Intermixed with the gabbro(-sills) are layers of garben-mica schist. At 0628058 6963493 is exposed rusty garnet-chlorite schist with weak cpy-diss. Wall-rock is hornblende schist. No explanation was found on the anomaly between Litlskarven and Molingdalsskarven.)

AEM anomaly C (Storskarven)

Lower anomaly, 0630558 6963203: Horizon in the fine grained gabbro is inconsistingly rust stained over a thickness of 0.5-1m, caused by po-diss.
Upper anomaly, 0630465 6962848: Rusty garnet-chlorite-hornblende schist with only weak sulfide-diss. It runs on the NØ side of the ridge. Graywacke/mica schist layers occur in the gabbro in the vicinity.

7b1. Storhøgda

The anomaly can be explained by sulfide-bearing graphite schist, that has known extension of 1km.
The conductor is exposed in a stream at UTM 0617357 6965174. The foot-wall consists of a light green schist with up to 5mm sized feldspar eyes. The rusty, py-po-disseminated graphite schist (sample) is at least 2.5m thick, with minor intercalations of a finegrained, light gray rock with small biotite porphyroblasts and py-dust, and minor grayblack fels.
Schistosity: 175°/50°. Hanging-wall is two-mica schist with py-diss (sample).
Schistosity: 160°/35°.
25m to the SSE are two tiny diggings in the rusty graphite schist.
155m SSE of the first mentioned locality is a small outcrop of quartz keratophyre, a quartz-feldspar rock with rel. large, unoriented hornblende needles and 1-2mm sized garnet.
Northwards, just north of the footpath from Sjursvollen, at 0617235 6965354, is a small exposure of graphite schist with py dust.

The same horizon is exposed in the stream at 0616896 6965827, as a greasy, graphite schist with py-dust. The compass is slightly affected.
0616657 6966001: Small exposure in a stream of graphite schist, silicyfied graphite schist, and white quartz keratophyre banded (mm to cm) with graphitic sediment. Schistosity: 135°/60°.
The anomaly at 0616800 6965200 is not explained, only a few outcrops of greenstone and greenschist are found.

Sample list:

Spl.no	Locality	Coord	Descr.
400118	Tjønnvollmyran	10425N 10650E	Musc.-ser. sch. with weak py-cpy-diss.
400119	Tjønnvollmyran	10430N 10650E	Chl.-ser. sch. with cpy-py-diss.
400120	Tjønnvollmyran	11210N 10495E	Floats of musc.-ser. sch. with cpy-diss.
400121	Moavollen	0616057 6974902	Semimass. po-py-cpy in finegr. amphibolite
400125	Storhøgda	0617357 6965174	Two-mica sch. with py-diss.
400126	Storhøgda	0617357 6965174	Graphite sch. with py-po-diss.
400127	Storhøgda	0617357 6965174	Gray micacheous sch. with py-diss.
400130	Litlskarven	0627631 6963953	Finegr. silicyfied amphibolite and fels with cpy-py-diss.
400131	Litlskarven	0628435 6963409	Float: gnt.-amph. sch.with cpy-py-po-diss.
400132	Molingdalsskarv	0629204 6962155	Gnt.-chl.-amph.-bio. sch. with cpy-diss.
400133	Storskarven	0630558 6963203	Finegr. gabbro with po-diss. (ptl?)
400134	Storbekkhøgda	0632190 6961464	Mica sch. with py-diss.

Field report Røros pr. 15/8 2000.
Rune Wilberg

Productive work the last three weeks has consisted of mapping in the grids Svartbekken, Jensåsbekken, Rødalen, additional work at Storskarven; and follow-up reconnaissance of selected airborne-geophysics.

Storskarven

Additional work at Storskarven has consisted of a continuation eastwards from the earlier mapped and reported western part of the grid (10000E-10700E), with systematic mapping along the profiles 10800E and 10900E, and reconnaissance mapping (emphazise on structural measurements) from 11000E to 11700E, and some reconnaissance outside the grid.
It has been proved that most of the mineralizations (cpy-diss.) are related to gabbro sills and –dykes. They seem, judged from what is outcropping, rather insignificant and low-grade. This yields the earlier rep. anomalies B (Molingdalsskarven), C (Storskarven), D (Litlskarven), the 47. Molingdalsskarven digging (1998-rep), the 48. Litlskarven showing (1998-rep), and the following mineralizations:

1. Conductor A: At 10505E 10545N appear a flatlying (27°/5-8°), rusty gnt-chl-sch with leached sulphides and capping gossan. Hangingwall is 2m thick gnt-amphibolite with malachite. Another gossan 45m to the west, at11465E 10525N, has outcropping amphibolite due NW, which at least at one locality is clearly crosscutting the schist. Conductor A is thus believed to be related to mafic dyke(s).
2. The anomaly indicated at 10300E 9306N, is found outcropping in the river at 10240E 9360N: Slightly discordant amphibolite (in garben-mica sch.) with 10cm thick band/lense(s) of coarsegr. pegmatitic qtz and carb., with ass., rel rich cpy-diss. (sample 400145) – coarse cpy in qtz-carb and finegr. cpy in the immediate amphibolite. Malachite.
3. 631184 6961029: Gnt-amph sch (±chl) with cpy-mt-diss. and traces of native Cu (sample 400144) bound to a few schisty, kinkfolded horizons (dm-thick) in the otherwise massive, finegr. amphibolite (2m thick). Malachite is seen at the contact to coarsegr. calcite vugs (up to 4-5cm thick). The footwall to the amphibolite is a distinctly banded schist; alt. mm-cm-thick bands of light, finegr greywacke (both with and without garben) and greengrey chlorite-containing layers.

Conductor B and C can not be explained in terms of outcropping mineralizations or gabbro/amphibolite, except for rusty chl sch with traces of py at anomaly B. However, a similar, 1m thick, weakly rusty chl sch, with only traces of py, which gives VLF anomaly at 10300E 9575N, shows up in the stream.
In addition to earlier observations (previous rep.) from anomaly A (Storbekkhøgda), 3-4mm thick mt-band(s) are obs. in the chloritic, py-disseminated mica sch at 632150 6961475 (sample 400140).
Mag anomaly at 10885E 10115N is explained by po-mt-diss. in the garben-mica sch.

Observations of amphibolite south of Storbekkhøgda:
632200 6960667: Low ridge with finegr. amphibolite. Approx. 100m to the south appears a 2-3m2 small coarsegr. gabbroic body with ofitic texture (feldspar laths).
632204 6961212: Flatlying, 1-2m thick finegr. amphibolite in finegr. sch.

RW field rep 1

Mapping in the grid:
Two additional rock types are distinguished in the eastern part of the grid: 1) Massive greywacke, and 2) Banded, probably tuffaceous rock of alternating (few-cm-20cm scale) light quartzo-feldspatic bands rich in hbl needles ("leuco garben sch"), amphibolitic bands, and greenish-grey garben sch.

Description of outcrops:

128. 2-mica sch, folded
129. Banded, tuffaceouc rock: Light feldspatic bands rich in hbl needles alternate with few-cm-thick amphibolite layers
130. Weakly rusty (traces py) chloritic mica sch, folded
131. Same as 129
132. Dom. leuco garben sch, minor amphibolitic and garben mica sch layers
133. Leuco garben sch
134. Garben mica sch
135. "
136. "
137. Same as 129, flatlying, undulating
138 "
139. Finegr, light, carb.cont. greywacke
140. Hydr.qtz
141. Light grey greywacke with minor finegr. hbl
142. "
143. Dom. garben greywacke
144. Mica sch
145. " , Sch: 225°/20°
146. Amphibolite
147. Mica sch
148. Carb. cont. mica sch (bio dom.), traces of py. Sch: 215°/20°
149. Chl-rich mica sch. Foldaxis: 165°/10°
150. Musc-dom. mica sch with 20cm thick layer of leuco garben rock with weak py-diss. Sch: 165°/22°
151. Finegr., light grey mica sch
152. Massive leuco garben rock, weak rust/py
153. Same as 152
154. Same as 152
155. Mica sch, sch: 170°/20°
156. Same as 152. Sch: 300°/50°
157. Finegr amphibolite, sch: 310°/20°
158. Same as 157
159. Same as 157
160. Same as 157, sch: 340°/20°
161. Chloritic garben mica sch. Small folds
162. Same as 161
163. Rusty amphibolite
164. Same as 163
165. Mediumgr. Gabbro
166. Garben mica sch
167. Med.gr. amphibolite

168. Same as 167
169. Same as 167
170. Same as 167
171. Same as 167
172. Quartzitic garben mica sch, py-filled crack
173. Garben mica sch, sch: 210°/50°
174. Same as 173
175. Finegr amphibolite
176. Same as 173 with m-thick lens of finegr amphibolite. N-S strike/W-dip
177. Amphibolite
178. Garben mica sch
179. Same as 178
180. Same as 178, N-S strike
181. Same as 178
182. Leuco garben sch
183. Amphibolite
184. Amphibolite
185. Musc-dom. mica sch, carb.cont., flatlying
186. Mica sch, sch: 320°/25°
187. Mica sch
188. Mica sch
189. Same as 185, foldaxis: 160°/2°
190. Same as 185
191. Same as 185
192. Same as 185
193. Same as 185
194. Leuco garben sch
195. 2-mica sch
196. Same as 129
197. Same as 129
198. Same as 129
199. Dom. leuco garben sch
200. Leuco garben sch, weakly greenish
201. Garben mica sch with po-mt-diss. Undulating, dipping N and W
202. Garben mica sch, weakly rusty
203. Garben mica sch
204. Same as 203
205. Same as 203
206. Same as 203
207. Leuco garben rock
208. Med.gr. gabbro with underlying garben-greywacke
209. Same as 129
210. Carb.cont. amphibolite
211. Garben mica sch, foldaxis: 335°/15°
212. Leuco garben rock
213. Same as 212
214. Folded mica sch, axis: 170°/horizontal
215. Kinkfolded mica sch
216. Same as 215
217. Same as 215

218. Same as 215
219. Amphibolite
220. Leuco garben rock. Sch: 145°/30°
221. Garben mica sch. Sch: 165°/70°
222. Kinkfolded chloritic mica sch. Running 175°
223. Same as 222. Sch: 350°/20°
224. Hydr.qtz
225. Garben mica sch, bio-dom. Sch: 180°/10°
226. Chloritic mica sch. Lin. and foldaxis: 165°/5°
227. Same as 226. Lin. and foldaxis: 170°/10°. Sch: 155-160°/50° (var.)
228. Qtz-rich greywacke with hbl. Sch: 185°/20°
229. Chloritic mica sch
230. 2-mica sch. Foldaxis and lin.: 170°/5-10°. Sch: 160°/var. dip
231. Kinkfolded chloritic mica sch
232. Rel. massive greywacke. Sch: 155°/35°
233. Mica sch
234. Mica sch
235. Mica sch. Sch: 160°/45°
236. Gossan, see above
237. Gossan, see above
238. Amphibolite/gabbro
239. Same as 238
240. Same as 238, crosscutting
241. Garben mica sch. Sch: 160°/40°
242. Local rusty floats and floats of gossanmatr. immediately below outcropping musc.dom. mica sch. Sch: 355°/60°
243. (10115E 10125N) Leuco garben sch. Sch: 155°/17-40°

Follow-up of airborne EM/Mag anomalies (24-27/8):

Gjårdvola (map sheets Ålen and Stuggusjøen)

A number of singel-line picks in the area Gjårdvola-Gaulhåvola-Stømnbekken are prospected, a majority of which proved to be related to cpy-diss., and a few are tested by small, historical diggings.
Amphibolite/gabbro sills are frequently encountered when approaching the conductors, and like many of the Storskarven mineralizations, the sulfide-disseminations seem to be genetically linked to gabbro.

638026 6967881: At the bottom of a steep wall is partly exposed (at least) 1m thick, white quartzo-feldspatic sch with sericite and biopb., and sericite sch with biopb. Dusty po(-cpy)-diss in both (5-10% sulf, sample 399590). Sch: 135°/12°.
30-40m to the south: few, assumed local boulders of rusty, felsic tuff, similar to what was found at Storskarven and Jensåsbekken, but with the unoriented hbl only in a few layers, otherwise only feldspar and qtz. Almost cherty in some layers. Frequently biotite lamellae. Rel. rich in cpy(-po)-diss. (sample 399591). Observed one 3cm thick layer of semimassive cpy with minor sl and po in one float. Intercalated hydrothermal qtz bands/lenses, also with cpy(-po)-diss.
Also floats of gossanous matr. in the same area.

With respect to the host rock, this conductor seems more interesting than the others in this area.

638028 6967096: Exposed 10-15m long, NW-SE-running gabbro sill.
From 637882 6967152 to 637917 6967123: Exposed finegr., porphyritic amphibolite (anhedral, 5-10mm sized feldspar porphyres).

638208 6967153 (east of the pick): 2 insignificant pits. Lower (eastern) pit: Calcareous bio sch. Upper pit (1m strat. higher): No outcrop. Floats show light, chloritic and sericitic sch with biopb. and dusty po-diss. (traces of cpy) (3-5% sulf). 50m to the NW: 2 small gabbro-outcrops, and one between here and next loc.

638331 6967085: Dryed-out stream with lot of local, rusty floats of chl-ser-bio sch with cpy-po-diss. (2-4% sulf). Sample 399592. The rusty floats can be followed towards:

638387 6966884: 1m deep pit (1.5m3 dump). Approx 30cm thick, dark bio sch with cpy-stringers and –bands up to 1cm thick (sample 399593), in lighter bio sch, both with minor hbl. Slightly dipping towards west. Two phases open folds, flat axis 140° and 195°.

638391 6966807: Small digging (<1m3 dump) in the same horizon. Only traces of cpy.
10m to the south, 5 gabbro cusps exposed in a 50x30m2 area.

638533 6966469: Exposed gabbro.

638906 6965698: Chl sch with coarse gnt and unoriented biopb, and cpy-diss/stringers over at least 20cm thickness. Outcrop of the same, rusty gnt-chl sch at the pick, 639020 6965630.

Covered at the pick. 639330 6965780. Small digging (1m3 dump) at 639452 6965663. No otcrop. Dump: quartzo-feldspatic sch with large, unoriented biopb., partly sericitic. Rusty, leached, gossanous dump samples rich in cpy (semimassive) +sl? (sample 399594).

Pick at 638900 6967550 covered.

638837 6967776: Exposed gabbro.
More or less outcropping gabbro from 638744 6967831, via 638642 6968057, to 638493 6968239.

Storbekktjønnan:
AEM pick approx. 1.5km NNW of the Storhøgda digging, at 641400 6962850. The few outcrops in the area can not explain the anomaly, but som tiny floats of strongly rusty and leached matr. are found, plus one larger boulder of phyllitic sch with po-diss.

Storovlingen/Litlvola (map sheet Stuggusjøen)
Completely covered. Some floats of garben phyllite with traces of py. Roadcut at 641520 6976810: Bio sch, in places rusty with 1-2% po. Crosscutting, few m thick trondhjemite dyke.

Møsjødalsvola (map sheet Stuggusjøen)
Rel. much overburden, no min. to be seen. Anomaly related to the thrust zone?

Langsvola (map sheet Stuggusjøen)
Northern part of the anomaly possibly structurally related, follows depression – crosscutting schistosity/layering. Southern part: Few floats of dark phyllite with po-dust. Mylonite zone due east.

Storovlingen W (map sheet Stuggusjøen)
Thick overburden, no sign of min.

Grønvola (map sheet Stuggusjøen)
Mainly finegr., light greygreen mica sch (ser, musc, chl) with biopb. in the area. At 639571 6978918, amphibolite/hbl. sch, in places rusty. In the continuation northwards, floats of rusty chloritic sch with very weak py-diss.

Storhøgda east (west of Rien):
2km long AEM trend, 1km east of the Storhøgda digging (1998-rep), with coinciding Mag trend that extends all the way up to Tjønnvollmyran, partly ass. with mapped gabbro sill.
The conductivity and mag are caused by dark grey to black (traces of graphite) phyllite with po-diss., up to 20% po in cm-thick layers (reminding about the floats at the Stuggusjø anomaly (previous rep.)).
642844 6961399: At least 3m thick rusty, dark grey to, in certain layers, black (traces of graphite) phyllite, commonly with up to 1mm sized bio porfbl. Dusty po-diss. enriched to approx. 20% in up to 2-3cm thick layers (sample 400150, susc. 100-400K), and also weak diss. in the surrounding phyllite. Sch: 150°/26°. Hangingwall is rel. massive quartzitic greywacke (susc. 10K).
The rusty phyllite can be traced at least 50m southwards. To the north, the horizon reappears (possible fault in between) at 642720 6961876.
643080 6961576: Outcropping 1m thick, white, calcareous qtz-feldspar-ser sch with bio porfbl. (tuff?). Sch: 180°/25°. Above and below: calc., grey, phyllitic qtz-mica sch with bio porfbl. Few m above the ser sch is exposed 80cm thick hydr. qtz.

Samples for analysis:

Spl.no	Locality	Coord	Description
400130	Litlskarven	0627631 6963953	Finegr. silicyfied amphibolite and fels with cpy-py-diss.
400131	Litlskarven	0628435 6963409	Float: gnt.-amph. sch.with cpy-py-po-diss.
400132	Molingdalsskarv	0629204 6962155	Gnt.-chl.-amph.-bio. sch. with cpy-diss.
400133	Storskarven	0630558 6963203	Finegr. gabbro with po-diss. (ptl?)
400134	Storbekkhøgda	632190 6961464	Mica sch. with py-diss.
400140	Storbekkhøgda	632150 6961475	Chloritic mica sch with py-diss. and mt-band
400144	Storskarven	631184 6961029	Gnt-amph sch w/diss. of cpy, mt and traces nat. Cu
400145	Storskarven	10240E 9360N	Amph.ite w/hydr.qtz-carb-bands, cpy-diss. in both
400613	Storskarven	11308E 10350N	Gnt-amphibolite with cpy-diss.(float)
400614	Storskarven	11520E 10550N	Finegr gnt-chl-amph sch with cpy-diss.
400615	Storskarven	11520E 10550N	Finegr gnt-chl-amfsch,w/qtz-lens.w/semimass.cpy
400150	Storhøgda E	642844 6961399	Dark grey phyllite with po-diss.
400123	Stuggusjøen	647000 6980250	Floats: Mica schist with py diss.
400124	Langsvola	644200 6970550	Mylonite.

Samples for analysis (1):

Spl.no	Locality	Coord	Description
399589	Gjårdvola	637949 6968401	Coarse gnt-amphibolite with cpy-mt-diss.(float)
399590	Gjårdvola	638026 6967881	Qtz-fld-ser sch with po-cpy-diss.
399591	Gjårdvola	638026 6967881	Dacitic tuff with cpy-po-diss.(float)
399592	Gjårdvola	638331 6967085	Chl-ser-bio sch with cpy-po-diss.(float)
399593	Gjårdvola	638387 6966884	Bio sch with cpy-diss.
399594	Gjårdvola	639330 6965780	Leached dump sample of cpy(-sl)-min.

R. Wilberg, Field report, 2000

6. Storskarven grid and surrounding anomalies

The grid is mapped from prof. 10000E to 10700E in the scale 1:5000. 6 rock types can be distinguished in the mapped area:

1. Chlorite schist is so far detected only in two outcrops, associated with EM anomalies at the 10000E prof.
2. Garben mica schist, light grey.
3. Leuco garben schist: quartzo-feldspatic rock with unoriented hornblende and absence of mica (for descriptive purpose: resembles qtz keratophyr occurring in the greenstone belt, see later).
4. Two-mica schist (bio dom., seldom musc dom.).
5. Fine- to medgr. amphibolite, and medgr. gabbro.
6. Hydrothermal qtz.

The map contains so far few structural measurements. Open folds have axis trending N-S, plunging slightly in each direction. But in spite of the undulation, the general strike seem to be WNW-ESE, slightly dipping SSW-wards.

Yet no explanation is given for the present EM anomalies, except a few traces: the rusty chlorite schist with traces of py at 10000E 10225N, and in the extension of this, a) floats of rusty-yellow quartz-sericite schist with carbonate-rich layers and diluted py(?)(resembles exhalite) at 10200E 10220N, and b) floats of rusty chlorite-muscovite schist and ochre at 10280E 10225N.

The conductors are assumed to be associated with chlorite schist, and they seem to follow low depressions in the terrain, and are covered.

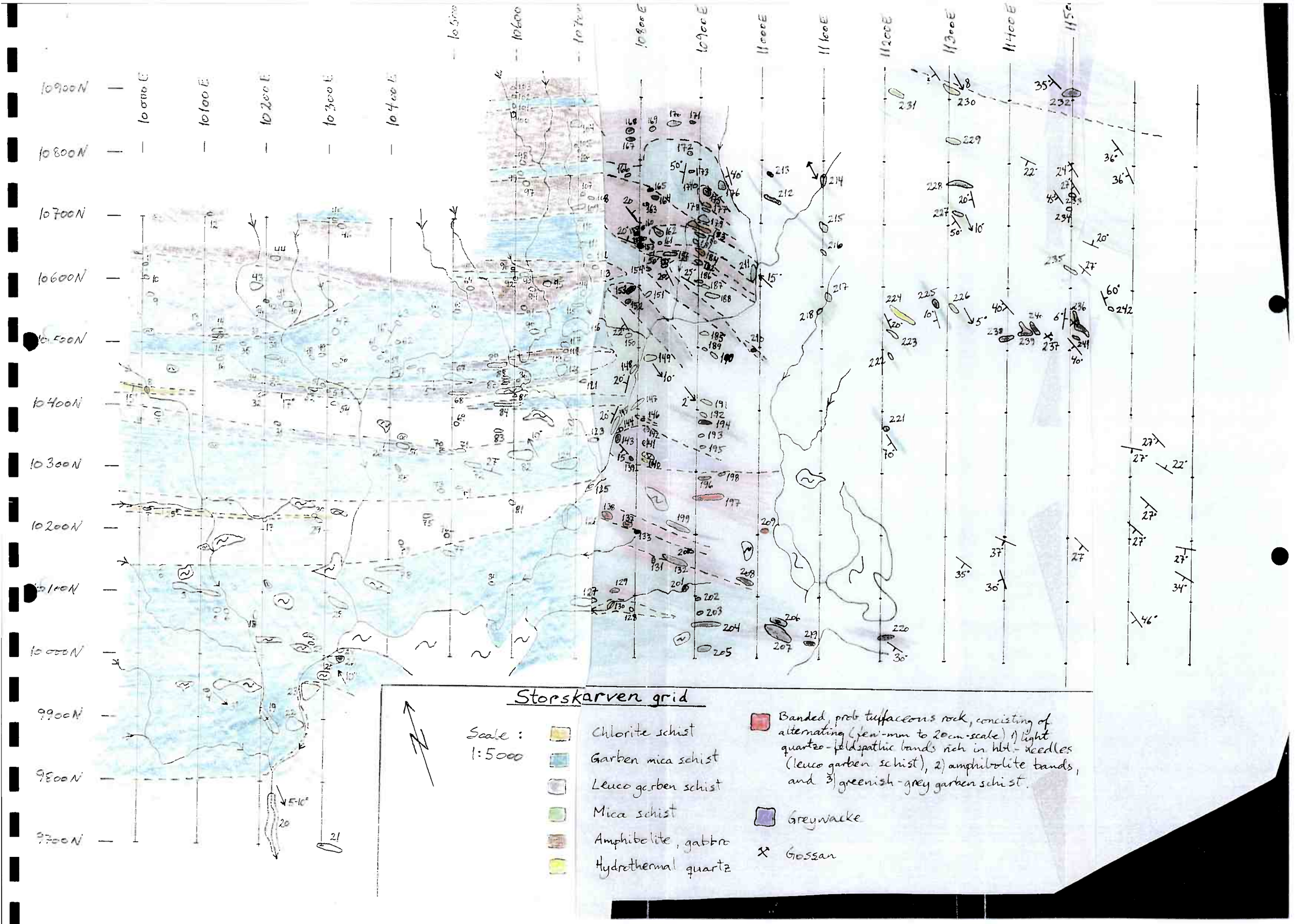
Short description of the outcrops:

1. Rusty chl sch. Traces of py. 0.5m thickness exposed. Sch: 106°/25°.
2. Rusty gnt-qtz-hbl sch (garben) with weak cpy(-py)-diss.
3. Light gray garben mica sch. Few mm-thick darker bands. Variable strike/dip; part of a fold.
4. Same as 3. Fold axis: 147°/flat.
5. Gray garben mica sch, bio dom. Var strike/dip.
6. Same as 5.
7. Slightly rusty leuco garben sch.
8. Chl-mica sch. 5m to the N, mica sch. Sch: 120°/15°.

9. Leuco garben sch.
10. " "
11. Hydrot. qtz.
12. Finegr. amphibolite.
13. Leuco garben.
14. " "
15. Gray garben mica sch.
16. Gray mica sch.
17. Floats of isoclinally folded, rusty-yellow qtz-ser sch. with carb-rich layers and diluted py (exhalite).
18. Same as 5.
19. Gray garben mica sch. with two m-thick layers of finegr. amphibolite (x). Rel. flat; undulating.
20. Folded (axis 175°/5-10°) mica sch. Var. from two-mica sch. rich in musc to bio-rich sch.
21. Massive graywacke to mica sch. with carb spots.
22. Garben mica sch.
23. Folded, silvergray mica sch. (musc dom., minor chl).
24. Folded (axis 350°/10°) garben mica sch.
25. " " "
26. Fine- to medgr. gabbro
27. Same as 24.
28. Same as 24.
29. Light gray sch with mm-bands of dark min.
30. Floats of rusty chl-musc sch and rusty-red soil.
31. Mica sch (bio dom.).
32. " " with carb. Sch: 113°/17°.
33. Leuco garb.
34. Light gray garben mica sch.
35. " "
36. " "
37. " "
38. " "
39. Finegr.amphibolite.
40. Leuco garb.
41. " "
42. " "
43. " "
44. Medgr. amphibolite.
45. Gray garben mica sch.
46. Finegr. amphibolite.
47. Bio sch, weak garben.
48. Light gray garben mica sch.
49. " "
50. " "
51. Mica sch.

52. Leuco garb.
53. " "
54. Bio sch.
55. Hydrot. qtz, at least 1m thick.
56. Leuco garb. Sch: 115°/26°.
57. Light garben mica sch.
58. " "
59. Light gray garben mica sch.
60. " "
61. " "
62. Garben mica sch, more bio.
63. " " , weak garben. 226°/16°.
64. Medgr. amphibolite/gabbro.
65. Light garben mica sch.
66. " "
67. " " . Sch: 105°/5°.
68. Leuco garb.
69. Mica sch.
70. Leuco garb.
71. Light gray garben mica sch.
72. " " . Sch: 305°/27°.
73. Chloritic mica sch (musc-rich) with qtz lenses.
74. " " "
75. Mica sch (musc dom.).
76. " "
77. Light gray garben mica sch.
78. " "
79. Mica sch.
80. Garben mica sch (weak garben).
81. Chloritic mica (musc dom.) sch.
82. Light gray garben mica sch. Fold axis: 350°/10°.
83. Mica sch.
84. Light gray garben mica sch.
85. Floats of rusty finegr.
86. Leuco garben.
87. " "
88. Light garben mica sch.
89. Leuco garb.
90. Same as 88.
91. Finegr. amphibolite, in places rusty.
92. " " "
93. Gray garben mica sch.
94. Finegr. amphibolite, weakly rusty, minor mica sch.
95. Finegr. amphibolite.
96. " "
97. " "

98. " "
99. Light gray garben mica sch.
100. Medgr.gabbro.
101. Light gray garben mica sch.
102. Finegr. amphibolite
103. " "
104. Medgr. gabbro.
105. Finegr. amphibolite.
106. " "
107. " "
108. " "
109. Same as 104.
110. Light gray garben mica sch.
111. " "
112. " "
113. Same as 105.
114. Same as 110.
115. "
116. " , weakly rusty, traces py.
117. Same as 110.
118. Same as 105.
119. Same as 110.
120. "
121. Chloritic mica sch.
122. Mica sch with carb spots.
123. Same as 110.
124. "
125. Chloritic mica sch.
126. Same as 110.
127. "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10500 E
10600 E
10700 E
10800 E
10900 E
11000 E
11100 E
11200 E
11300 E
11400 E
11500 E
Storskarven grid
Scale : 1:5000
Chlorite schist
Garben mica schist
Leuco garben schist
Mica schist
Amphibolite, gabbro
Hydrothermal quartz
Banded, prob tuffaceous rock, consisting of alternating (few-mm to 20cm-scale) 1) light quartzo-feldspathic bands rich in hbl-needles (leuco garben schist), 2) amphibolite bands, and 3) greenish-grey garben schist.
Greywacke
Gossan

field #	lab smpl nbr	UTM X	UTM Y	% org	% silt	% sand/gravel	colour	comments	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn
									ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
									ppm	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
									0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.01	2	1	2	0.01	1	1	0.5	0.5
SS001	RØR SED 400201	623962	6959417				grey/brown		-0.5	0.02	0.30	0.42	0.03	0.05	0.13	1.0	0.03	11	24	273	0.85	4	21	7.7	37.6
SS002	RØR SED 400202	623854	6959612	20			brown		-0.5	0.02	0.33	0.73	0.02	0.05	0.16	1.4	0.02	16	32	137	1.28	5	27	11.2	29.8
SS003	RØR SED 400203	623686	6959664	30					-0.5	0.02	0.36	0.69	0.03	0.08	0.25	1.4	0.03	16	33	629	1.34	7	39	16.1	64.0
SS004	RØR SED 400204	623516	6959597	15	50	35			-0.5	0.02	0.51	0.93	0.04	0.11	0.19	1.8	0.04	26	43	2670	2.51	23	73	20.0	127.0
SS005	RØR SED 400205	623381	6959640	30	50	20	brown		-0.5	0.02	0.46	0.90	0.04	0.10	0.27	2.0	0.03	28	51	3350	2.61	23	82	25.2	124.0
SS006	RØR SED 400206	623236	6959638	35	45	20	brown		-0.5	0.02	0.34	0.72	0.04	0.06	0.25	1.7	0.03	20	33	1820	1.92	18	46	22.7	87.6
SS007	RØR SED 400207	623111	6959731	50	40	10			-0.5	0.02	0.33	0.69	0.04	0.04	0.14	1.6	0.03	17	21	131	1.19	4	14	8.7	33.9
SS008	RØR SED 400208	624125	6957780	10	25	65	browngrey		-0.5	0.02	0.34	0.75	0.04	0.04	0.19	1.5	0.03	30	30	1490	2.28	18	46	6.7	72.3
SS009	RØR SED 400209	624040	6957841	30	60	10	brown		-0.5	0.02	0.36	0.89	0.04	0.04	0.26	1.8	0.03	35	46	843	2.59	13	42	8.1	55.9
SS010	RØR SED 400210	623870	6957805	50	25	25	brown		-0.5	0.02	0.38	0.96	0.04	0.04	0.23	2.1	0.03	31	57	604	1.54	9	45	11.0	69.3
SS011	RØR SED 400211	623669	6957744	35	35	30	brown		-0.5	0.02	0.28	0.58	0.03	0.04	0.10	1.3	0.02	34	27	708	1.85	11	34	5.8	50.0
SS012	RØR SED 400212	623573	6957886	50	20	30	brown	not good spl.	-0.5	0.02	0.35	0.66	0.04	0.05	0.26	1.8	0.02	23	32	182	0.94	7	31	7.9	38.7
SS013	RØR SED 400213	623247	6957929	30	50	20			-0.5	0.02	0.39	0.66	0.05	0.08	0.17	1.5	0.02	14	24	159	1.09	7	26	14.8	58.3
SS014	RØR SED 400214	623348	6957802	10	70	20	grey	sampled at the bank	-0.5	0.02	0.52	0.81	0.04	0.09	0.15	1.9	0.03	17	33	82	1.13	5	27	13.8	29.0
SS015	RØR SED 400215	623376	6957640	15	50	35	brown, grey		-0.5	0.02	0.51	0.82	0.05	0.12	0.24	2.0	0.03	18	29	790	1.66	11	42	17.3	87.0
SS016	RØR SED 400216	623441	6957491	10	50	40	grey		-0.5	0.02	0.45	0.62	0.05	0.09	0.21	1.8	0.03	15	25	537	1.22	8	32	11.7	54.8
SS017	RØR SED 400217	623590	6957414	10	60	30	grey		-0.5	0.02	0.45	0.65	0.05	0.08	0.20	1.6	0.02	14	26	321	1.11	7	30	11.0	51.2
SS018	RØR SED 400218	623565	6957300	10	35	55	grey		-0.5	0.02	0.64	1.09	0.04	0.08	0.20	2.7	0.04	26	36	372	1.79	10	28	13.7	60.0
SS019	RØR SED 400219	623678	6957338	10	30	60	grey		-0.5	0.02	0.57	0.85	0.04	0.09	0.19	2.2	0.04	21	32	424	1.50	9	32	15.5	58.6
SS020	RØR SED 400220	623827	6957236	10	45	45	grey		-0.5	0.02	0.56	0.82	0.04	0.09	0.21	2.2	0.04	20	32	189	1.33	7	26	15.3	43.0
SS021	RØR SED 400221	624020	6957185	15	40	45	brownish, grey		-0.5	0.02	0.59	0.89	0.05	0.09	0.23	2.3	0.04	21	32	394	1.59	8	31	14.1	51.0
SS022	RØR SED 400222	624031	6959277	15	60	25	brown		-0.5	0.02	0.48	0.84	0.03	0.07	0.16	1.6	0.04	21	35	706	1.85	8	34	8.3	54.7
SS023	RØR SED 400223	623806	6959272	20	50	30	brown, grey		-0.5	0.02	0.23	0.44	0.02	0.03	0.11	0.9	0.02	12	21	1580	1.57	10	33	4.9	40.4
SS024	RØR SED 400224	623645	6959275	15	25	60	brown, grey		-0.5	0.02	0.32	0.77	0.04	0.08	0.19	1.1	0.02	24	32	15240	7.33	51	196	10.9	139.0
SS025	RØR SED 400225	623475	6959282	15	65	20	brown, grey		-0.5	0.02	0.19	0.43	0.02	0.03	0.14	1.0	0.02	11	21	1710	1.57	11	46	5.7	55.8
SS026	RØR SED 400226	623312	6959298	15	65	20	grey brown	little act. sed.	-0.5	0.02	0.15	0.47	0.03	0.03	0.10	0.9	0.03	13	21	1720	1.30	12	18	3.9	33.5
SS027	RØR SED 400227	623361	6959080	30	50	20	grey brown		-0.5	0.02	0.32	0.51	0.04	0.04	0.18	1.0	0.02	16	22	377	1.78	8	19	5.1	36.4
SS028	RØR SED 400228	623662	6959190	20	60	20	brownish grey		-0.5	0.02	0.24	0.43	0.03	0.03	0.11	1.6	0.02	10	25	3740	1.53	5	50	10.0	19.1
SS029	RØR SED 400229	623864	6959181	30	60	10	brown		-0.5	0.02	0.23	0.54	0.03	0.03	0.08	1.0	0.02	14	24	435	1.41	6	20	7.0	23.0
SS030	RØR SED 400230	624004	6959167	20	40	40	brown		-0.5	0.02	0.28	0.57	0.04	0.03	0.15	1.2	0.02	15	25	1150	1.46	8	34	5.7	52.6
SS031	RØR SED 400231	623972	6958633	10	30	60	light brown		-0.5	0.02	0.32	0.64	0.03	0.07	0.10	1.1	0.03	15	25	2990	1.70	14	49	5.6	48.0
SS032	RØR SED 400232	623814	6958714	40	30	30	light brown		-0.5	0.02	0.32	0.58	0.04	0.06	0.15	1.3	0.02	12	26	235	1.20	5	23	5.4	24.0
SS033	RØR SED 400233	623572	6958226	20	30	50	dark grey		-0.5	0.02	0.28	0.47	0.02	0.04	0.17	1.2	0.02	15	26	619	1.37	13	62	4.7	29.5
SS034	RØR SED 400234	623733	6958224	20	50	30	greyish brown		-0.5	0.02	0.25	0.49	0.03	0.04	0.11	1.0	0.02	13	18	338	0.94	6	20	5.2	28.2
SS035	RØR SED 400235	624046	6958217	20	40	40	brown		-0.5	0.02	0.30	0.66	0.03	0.05	0.21	1.5	0.02	16	25	1130	1.75	7	52	8.2	68.2
SS036	RØR SED 400236	624045	6959846	10	70	20	brown, grey		-0.5	0.02	0.76	1.00	0.07	0.14	0.24	2.4	0.04	25	48	306	1.78	11	46	17.9	55.8
SS037	RØR SED 400237	623922	6959898	5	70	25	light grey		-0.5	0.02	1.76	2.09	0.08	0.43	0.27	4.6	0.08	48	86	502	3.39	17	114	41.2	82.5
SS038	RØR SED 400238	623756	6959962	10	50	40	brown		-0.5	0.02	0.87	1.17	0.06	0.16	0.26	2.6	0.05	29	51	739	2.25	12	56	18.1	75.1
SS039	RØR SED 400239	623558	6959965	10	40	50	brown		-0.5	0.02	0.79	1.05	0.06	0.15	0.22	2.3	0.05	26	45	607	1.96	11	49	18.1	59.3
SS040	RØR SED 400240	623433	6960072	5	50	45	grey brown		-0.5	0.02	1.04	1.27	0.07	0.21	0.27	3.0	0.05	31	56	667	2.29	15	66	25.6	66.4
SS041	RØR SED 400241	623281	6960105	20	40	40	grey brown		-0.5	0.02	0.38	0.58	0.03	0.06	0.11	1.2	0.02	15	28	1270	1.66	14	36	6.6	51.7
SS042	RØR SED 400242	623066	6960175	15	70	15	brown grey		-0.5	0.02	0.25	0.47	0.02	0.03	0.11	1.0	0.02	11	20	193	0.98	4	16	7.4	29.1
SS043	RØR SED 400243	622913	6960302	10	20	70	red-brown grey		-0.5	0.03	0.38	0.62	0.04	0.06	0.20	2.8	0.02	14	54	138	1.31	5	35	25.0	32.0
SS044	RØR SED 400244	623545	6960460	20	65	15	grey brown		-0.5	0.02	0.38	0.82	0.03	0.05	0.18	2.2	0.03	24	42	2330	3.60	17	68	11.3	72.3
SS045	RØR SED 400245	623604	6960377	60	20	20	brown	not good spl.	-0.5	0.02	0.79	1.24	0.05	0.10	0.28	3.0	0.05	35	54	1690	2.38	19	91	11.7	105.0
SS046	RØR SED 400246	623792	6960435	30	20	50	brown		-0.5	0.02	1.07	1.51	0.06	0.17	0.38	3.4	0.06	38	57	4610	4.92	35	144	21.6	195.0
SS047	RØR SED 400247	623949	6960361	40	30	30	blue grey (chlorite) to brown		-0.5	0.02	0.82	1.29	0.06	0.10	0.22	3.6	0.06	36	59	648	2.72	15	69	17.2	86.1
	GRO SED 399501								-0.5	0.02	0.27	0.49	0.04	0.02	0.17	1.2	0.03	11	14	137	0.83	4	11	9.3	33.3
	GRO SED 399502								-0.5	0.02	0.62	0.83	0.16	0.03	0.48	1.5	0.04	34	14	276	1.70	9	10	41.3	48.7
	GRO SED 399503								-0.5	0.02	0.24	0.48	0.04	0.02	0.19	1.2	0.04	10	6	109	0.85	5	4	126.0	15.8
	GRO SED 399504								-0.5	0.02	0.26	0.69	0.04	0.02	0.25	1.4	0.03	15	19	393	0.99	8	13	13.4	65.9
	GRO SED 399505								-0.5	0.02	0.29	0.59	0.05	0.02	0.17	1.3	0.03	17	11	213	1.12	6	7	14.5	29.7
	NIST 8606							standard	1.6	0.03	0.36	1.13	0.17	0.10	7.52	2.9	0.07	15	19	4110	4.66	5	15	42.1	44.7
	DUP-SED 400201							duplicate	-0.5	0.02	0.29	0.40	0.03	0.05	0.13	1.0	0.02	10	21	255	0.81	5	21	8.9	35.6
	DUP-SED 400213							duplicate	-0.5	0.02	0.38	0.64	0.04	0.07	0.16	1.5	0.02	14	23	153	1.06	6	25	14.3	57.4
	DUP-SED 400225							duplicate	-0.5	0.02	0.19	0.43	0.02	0.03	0.14	1.0	0.02	11	21	1670	1.59	12	47	6.1	56.7
	DUP-SED 400237							duplicate	-0.5	0.02	1.75	2.07	0.08	0.43	0.27	4.6	0.08	48	84	501	3.39	18	117	41.7	81.6
	DUP-SED 399501							duplicate	-0.5	0.02	0.25	0.47	0.05	0.02	0.18	1.1	0.02	11	14	131	0.80	5	12	9.5	33.0

Stream Sed Sample. Sjursvollen

Encl. 3

Stream Sediment samples, Sjursvollen

lab smpl nbr	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W	Pb	Bi	Au	Au	Na	Ca	Sc	Cr	Fe	Co	Ni	Zn	As	Se	Br
	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	FA301	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	3	0.5	0.5	0.5	1	0.2	1	10	5	1	0.5	10	2	5		5	500	1	1	10	0.1	5	100	50	2	5	1
RØR SED 400201	-3	3.5	2.8	2.4	-1	-0.2	-1	-10	-5	20	5.8	-10	2	-5		-5	12000	1	6	300	2.1	9	-100	-50	-2	-5	5
RØR SED 400202	-3	4.0	6.6	1.3	-1	-0.2	-1	-10	-5	27	11.2	-10	-2	-5		-5	9900	-1	7	240	2.3	9	-100	-50	3	-5	13
RØR SED 400203	-3	6.1	6.7	2.1	-1	-0.2	-1	-10	-5	41	10.9	-10	11	-5		-5	9400	-1	6	240	2.2	13	120	68	4	-5	27
RØR SED 400204	3	5.3	9.2	2.1	-1	-0.2	-1	-10	-5	122	14.7	-10	12	-5		-5	12000	1	9	240	4.1	34	-100	150	12	-5	20
RØR SED 400205	5	7.2	11.5	2.3	-1	-0.2	-1	-10	-5	129	16.5	-10	9	-5		-5	10000	1	9	270	3.9	31	120	150	12	-5	34
RØR SED 400206	-3	7.5	11.5	1.2	-1	-0.2	-1	-10	-5	70	16.7	-10	11	-5		-5	11000	1	8	150	2.9	20	-100	97	6	-5	27
RØR SED 400207	-3	4.6	5.2	0.9	-1	-0.2	-1	-10	-5	15	11.2	-10	7	-5		-5	11000	-1	8	94	2	7	-100	-50	-2	-5	15
RØR SED 400208	8	6.8	6.5	1.4	1	-0.2	-1	-10	-5	60	11.2	-10	7	-5		-5	11000	-1	8	170	3.6	24	-100	94	16	-5	17
RØR SED 400209	9	8.6	7.1	0.8	2	-0.2	-1	-10	-5	58	9.7	-10	6	-5		-5	11000	1	8	140	3.5	16	-100	58	14	-5	30
RØR SED 400210	7	7.3	11.9	0.6	2	-0.2	-1	-10	-5	44	17.3	-10	6	-5		-5	12000	1	8	160	2.3	12	-100	66	11	-5	20
RØR SED 400211	12	3.5	5.4	-0.5	2	0.3	-1	-10	-5	45	9.2	-10	8	-5		-5	13000	1	8	130	3	15	-100	75	18	-5	15
RØR SED 400212	4	7.5	7.1	1.8	-1	-0.2	-1	-10	-5	44	11.0	-10	5	-5		-5	12000	1	8	140	1.9	11	-100	56	6	-5	19
RØR SED 400213	-3	4.5	5.5	0.7	-1	-0.2	-1	-10	-5	30	10.1	-10	13	-5		-5	9900	-1	7	150	2.2	10	-100	83	-2	-5	12
RØR SED 400214	-3	4.3	5.6	3.1	-1	0.3	-1	-10	-5	43	12.0	-10	3	-5		-5	10000	-1	8	110	1.8	7	-100	-50	-2	-5	3
RØR SED 400215	-3	6.5	7.0	1.5	-1	-0.2	-1	-10	-5	49	12.1	-10	9	-5		-5	9800	-1	7	130	2.5	12	-100	86	3	-5	30
RØR SED 400216	-3	5.6	5.1	2.2	-1	-0.2	-1	-10	-5	36	9.5	-10	7	-5		-5	11000	-1	7	160	2.3	11	-100	69	-2	-5	14
RØR SED 400217	-3	5.2	5.0	1.9	-1	0.2	-1	-10	-5	37	10.5	-10	6	-5		7	9900	-1	7	210	2.4	9	-100	60	-2	-5	12
RØR SED 400218	-3	5.9	7.2	1.7	-1	-0.2	-1	-10	-5	24	13.5	-10	5	-5		-5	14000	1	10	150	3	12	-100	68	-2	-5	14
RØR SED 400219	-3	5.3	6.1	2.3	-1	-0.2	-1	-10	-5	32	12.0	-10	8	-5		-5	12000	1	9	200	2.7	12	-100	94	-2	-5	13
RØR SED 400220	-3	4.9	7.9	2.1	-1	-0.2	-1	-10	-5	21	14.3	-10	6	-5		-5	12000	-1	8	170	2.3	9	-100	-50	-2	-5	11
RØR SED 400221	-3	5.1	8.1	2.5	-1	0.4	-1	-10	-5	23	14.9	-10	7	-5		6	11000	-1	9	140	2.6	11	-100	55	-2	-5	16
RØR SED 400222	-3	6.0	5.2	0.9	-1	-0.2	-1	-10	-5	52	8.7	-10	6	-5		-5	11000	-1	8	160	2.7	10	-100	-50	3	-5	22
RØR SED 400223	-3	4.3	4.2	0.6	-1	-0.2	-1	-10	-5	65	8.0	-10	6	-5		-5	10000	-1	5	140	2.1	11	-100	67	5	-5	17
RØR SED 400224	71	12.9	20.3	4.0	2	0.8	2	-10	-5	1050	24.7	-10	11	-5		-5	8800	1	7	170	8.1	50	220	130	88	-5	17
RØR SED 400225	-3	5.8	4.7	0.9	-1	0.3	-1	-10	-5	84	8.0	-10	11	-5		-5	10000	-1	6	120	2.4	14	-100	53	6	-5	22
RØR SED 400226	-3	4.3	3.0	0.7	-1	-0.2	-1	-10	-5	51	6.8	-10	10	-5		6	10000	-1	7	90	2	13	-100	53	3	-5	19
RØR SED 400227	-3	6.1	2.9	1.3	-1	0.3	-1	-10	-5	36	6.4	-10	9	-5		-5	11000	1	7	130	2.7	10	-100	53	4	-5	13
RØR SED 400228	-3	4.6	8.2	1.3	-1	-0.2	-1	-10	-5	70	13.5	-10	-2	-5		-5	12000	-1	6	98	2	6	-100	-50	4	-5	8
RØR SED 400229	-3	3.8	3.9	1.3	-1	-0.2	-1	-10	-5	29	8.1	-10	10	-5		-5	11000	-1	6	120	2.1	7	-100	-50	5	-5	16
RØR SED 400230	-3	6.4	5.0	-0.5	-1	-0.2	-1	-10	-5	67	8.7	-10	6	-5		-5	10000	-1	6	170	2.4	10	-100	71	4	-5	20
RØR SED 400231	-3	4.5	4.2	1.8	-1	-0.2	-1	-10	-5	89	9.0	-10	5	-5		-5	8900	-1	5	140	2.3	15	-100	-50	3	-5	12
RØR SED 400232	-3	5.3	5.1	0.7	-1	-0.2	-1	-10	-5	30	10.4	-10	2	-5		-5	9500	-1	6	180	1.9	7	-100	-50	-2	-5	8
RØR SED 400233	-3	7.6	9.2	0.6	2	-0.2	-1	-10	-5	41	14.9	-10	5	-5		-5	12000	-1	7	120	2.3	16	-100	-50	3	-5	7
RØR SED 400234	-3	5.3	3.5	-0.5	-1	-0.2	-1	-10	-5	29	6.3	-10	7	-5		-5	11000	-1	7	99	1.9	8	-100	-50	-2	-5	15
RØR SED 400235	-3	8.6	6.9	1.0	-1	-0.2	-1	-10	-5	63	10.6	-10	7	-5		-5	10000	-1	7	150	2.7	12	-100	73	3	-5	21
RØR SED 400236	-3	7.3	6.9	3.4	-1	-0.2	-1	-10	-5	38	12.9	-10	4	-5		10	14000	1	11	250	3.2	14	-100	63	-2	-5	9
RØR SED 400237	-3	8.9	11.0	14.9	-1	-0.2	-1	-10	-5	70	19.3	-10	5	-5		-5	17000	1.4	18	250	5	24	-100	110	3	-5	4
RØR SED 400238	-3	8.3	7.4	4.4	-1	-0.2	-1	-10	-5	46	12.4	-10	7	-5		-5	14000	1	11	280	3.6	18	-100	90	3	-5	18
RØR SED 400239	-3	7.2	6.4	3.6	-1	-0.2	-1	-10	-5	44	11.3	-10	6	-5		-5	14000	1	10	250	3.3	16	-100	75	2	-5	10
RØR SED 400240	-3	7.4	10.4	5.7	-1	-0.2	-1	-10	-5	46	20.0	-10	7	-5		-5	14000	1	12	250	3.6	18	-100	59	3	-5	13
RØR SED 400241	-3	4.2	3.8	1.3	-1	-0.2	-1	-10	-5	56	7.6	-10	9	-5		-5	10000	-1	7	180	2.5	17	-100	55	4	-5	9
RØR SED 400242	-3	3.7	4.5	1.8	-1	-0.2	-1	-10	-5	24	8.1	-10	6	-5		-5	10000	-1	6	110	1.9	7	-100	-50	2	-5	13
RØR SED 400243	-3	6.4	13.4	2.7	1	-0.2	-1	-10	-5	24	24.8	-10	5	-5		-5	9300	-1	8	350	2.4	8	-100	-50	4	-5	19
RØR SED 400244	4	5.5	15.1	1.6	-1	0.3	-1	-10	-5	61	22.5	-10	6	-5		-5	11000	-1	8	150	4.2	20	-100	72	7	-5	18
RØR SED 400245	-3	8.2	8.9	2.7	-1	-0.2	-1	-10	-5	86	16.6	-10	3	-5		-5	12000	-1	9	160	3	18	110	110	4	-5	13
RØR SED 400246	-3	12.2	11.3	3.2	-1	0.4	-1	-10	-5	156	20.7	-10	7	-5		-5	12000	1	12	200	5.6	36	250	200	5	-5	26
RØR SED 400247	-3	6.1	12.3	3.4	-1	-0.2	-1	-10	-5	43	23.4	-10	4	-5		-5	15000	1	12	180	3.8	17	-100	110	-2	-5	11
GRO SED 399501	25	10.1	2.8	0.7	1	-0.2	-1	-10	-5	10	6.6	-10	9	-5	5	-5	16000	3	18	110	4.2	14	-100	83	30	-5	9
GRO SED 399502	17	54.3	3.7	1.3	12	-0.2	-1	-10	-5	26	11.5	-10	12	-5	2	-5	16000	5	33	96	7.1	29	-100	90	23	-5	8
GRO SED 399503	-3	32.9	4.3	0.9	26	-0.2	-1	-10	-5	18	8.5	-10	10	-5	18	110	24000	2	16	46	2.9	10	-100	-50	4	-5	5
GRO SED 399504	41	13.0	3.3	-0.5	2	-0.2	-1	-10	-5	14	6.1	-10	36	-5	2	-5	15000	4	17	110	4.1	16	-100	97	50	-5	45
GRO SED 399505	6	7.2	3.3	1.9	3	0.3	-1	-10	-5	7	6.4	-10	10	-5	2	43	17000	3	23	100	5.2	17	-100	68	9	-5	11
NIST 8606	-3	4.3	14.0	17.0	1010	0.4	-1	14	-5	9	23.1	546	14	-5		-5	4900	14	8	37	9.4	13	-100	120	-2	-5	14
DUP-SED 400201	-3	3.4	2.8	1.7	-1	-0.2	-1	-10	-5	18	5.4	-10	2	-5		-5	12000	1	7	320	2.2	8	-100	-50	-2	-5	6
DUP-SED 400213	-3	4.3	5.3	1.1	-1	-0.2	-1	-10	-5	30	9.9	-10	12	-5		-5	9700	-1	7	150	2.2	10	105	69	-2	-5	12
DUP-SED 400225	-3	5.8	4.8	0.5	-1	0.3	-1	-10	-5	81	8.1	-10	9	-5		-5	10000	-1	6	120	2.3	14	-100	57	5	-5	21
DUP-SED 400237	-3	8.8	11.0	15.7	-1	-0.2	-1	-10	-5	69	19.3	-10	5	-5		-5	17000	1.5	17	240	4.8	23	120	96	3	-5	5
DUP-SED 399501	23	10.0	3.0	0.7	-1	-0.2	-1	-10	-5	9	6.1	-10	7	-5	4	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000

lab smpl nbr	Rb	Sr	Mo	Ag	Sb	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Ir	Hg	Th	U
	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
	30	500	5	5	0.2	3	100	1	3	10	0.5	0.2	0.5	0.5	0.05	1	1	4	20	1	0.5	0.5
RØR SED 400201	44	-500	-5	-5	-0.2	-3	240	12	26	12	2.3	0.6	-0.5	1.7	0.23	8	2	-4	-20	-1	3.5	1.5
RØR SED 400202	54	-500	-5	-5	-0.2	3	340	20	43	22	3.9	0.9	-0.5	2.2	0.27	8	1	-4	-20	-1	4.8	4.1
RØR SED 400203	40	-500	-5	-5	-0.2	-3	320	19	40	19	3.5	0.8	-0.5	2	0.26	9	1	-4	-20	-1	4.3	4.3
RØR SED 400204	62	-500	-5	-5	-0.2	-3	420	25	64	26	4.5	1	0.7	2.5	0.3	7	2	-4	-20	-1	5.8	4.8
RØR SED 400205	43	-500	-5	-5	0.2	3	430	25	62	27	4.6	0.9	0.7	2.6	0.33	7	2	-4	-20	-1	5.5	6
RØR SED 400206	34	-500	-5	-5	-0.2	-3	360	28	51	25	5.1	1.1	0.9	2.6	0.33	7	1	-4	-20	-1	4.6	6.6
RØR SED 400207	39	-500	-5	-5	-0.2	5	330	21	36	23	4	0.9	-0.5	2	0.26	7	2	-4	-20	-1	4.7	3.1
RØR SED 400208	45	-500	-5	-5	-0.2	-3	350	20	51	19	3.9	0.9	-0.5	2.4	0.3	10	2	-4	-20	-1	4.6	6.5
RØR SED 400209	38	-500	-5	-5	-0.2	3	380	18	40	18	3.4	0.6	0.5	2.2	0.28	8	1	-4	-20	-1	4.9	11
RØR SED 400210	46	-500	-5	-5	-0.2	-3	280	25	60	25	4.5	1.1	-0.5	2.4	0.3	8	-1	-4	-20	-1	4.8	12
RØR SED 400211	34	-500	-5	-5	-0.2	-3	300	18	44	18	3.3	0.8	0.8	2	0.26	7	1	-4	-20	-1	3.6	5.8
RØR SED 400212	-30	-500	-5	-5	-0.2	-3	270	18	39	17	3.5	0.8	0.8	2.1	0.26	7	2	-4	-20	-1	3.8	8.5
RØR SED 400213	60	-500	-5	-5	-0.2	-3	320	20	46	18	3.7	0.9	-0.5	2.1	0.27	8	2	-4	-20	-1	5.3	2.8
RØR SED 400214	74	-500	-5	-5	-0.2	-3	360	20	44	18	3.6	0.8	-0.5	1.8	0.24	5	1	-4	-20	-1	5.3	1.6
RØR SED 400215	61	-500	-5	-5	0.2	-3	380	20	50	20	3.8	0.9	-0.5	2.1	0.26	6	2	-4	-20	-1	5.5	2.6
RØR SED 400216	60	-500	-5	-5	-0.2	-3	300	18	43	20	3.5	0.7	0.7	2	0.26	7	2	-4	-20	-1	5.2	1.9
RØR SED 400217	55	-500	-5	-5	-0.2	-3	310	20	41	20	3.7	0.8	-0.5	2.2	0.28	10	2	-4	-20	-1	5.6	2.3
RØR SED 400218	55	-500	-5	-5	-0.2	3	300	24	55	24	4.5	1	0.9	2.4	0.31	7	2	-4	-20	-1	6.5	3.2
RØR SED 400219	49	-500	-5	-5	-0.2	-3	320	20	46	19	3.7	1	0.5	2	0.27	7	2	-4	-20	-1	5.5	2.3
RØR SED 400220	40	-500	-5	-5	-0.2	-3	290	22	45	19	4	0.9	0.8	2.1	0.27	7	2	-4	-20	-1	5.2	2.4
RØR SED 400221	58	-500	-5	-5	-0.2	3	360	24	53	23	4.6	1	0.5	2.2	0.28	7	2	-4	-20	-1	6.1	2.8
RØR SED 400222	46	-500	-5	-5	-0.2	-3	300	16	47	16	3.1	0.5	-0.5	2	0.25	7	2	-4	-20	-1	4.8	1.9
RØR SED 400223	46	-500	-5	-5	-0.2	-3	350	14	39	16	2.8	0.6	-0.5	1.8	0.24	8	2	-4	-20	-1	3.1	1.3
RØR SED 400224	54	-500	-5	-5	0.2	-3	1200	30	100	29	5.2	1	0.7	3.2	0.47	7	-1	-4	-20	-1	4.3	3.5
RØR SED 400225	40	-500	-5	-5	-0.2	-3	390	15	40	17	2.9	0.5	-0.5	1.8	0.25	6	1	-4	-20	-1	3.4	2.8
RØR SED 400226	48	-500	-5	-5	-0.2	-3	300	14	35	15	2.6	0.7	-0.5	1.5	0.21	7	1	-4	-20	-1	3.7	2.3
RØR SED 400227	41	-500	-5	-5	-0.2	-3	290	13	28	15	2.6	0.4	-0.5	1.7	0.22	7	1	-4	-20	-1	3.5	1.8
RØR SED 400228	42	-500	-5	-5	-0.2	-3	370	21	45	22	3.9	0.9	0.9	2.1	0.27	7	1	-4	-20	-1	3.8	2.4
RØR SED 400229	48	-500	-5	-5	-0.2	-3	310	15	44	16	3	0.6	-0.5	1.6	0.22	7	2	-4	-20	-1	3.7	1.8
RØR SED 400230	52	-500	-5	-5	-0.2	-3	330	17	47	17	3.2	0.7	-0.5	1.9	0.24	7	1	-4	-20	-1	3.9	1.6
RØR SED 400231	59	-500	-5	-5	-0.2	-3	400	15	43	16	2.8	0.5	-0.5	1.6	0.21	7	2	-4	-20	-1	3.7	1.5
RØR SED 400232	50	-500	-5	-5	-0.2	-3	360	19	46	21	3.6	0.8	0.5	2	0.26	10	2	-4	-20	-1	4.6	2.4
RØR SED 400233	42	-500	-5	-5	-0.2	-3	340	25	57	23	3.8	0.8	-0.5	2.4	0.32	9	1	-4	-20	-1	3.4	4.3
RØR SED 400234	43	-500	-5	-5	-0.2	-3	280	15	37	16	3.1	0.7	-0.5	2	0.25	9	2	-4	-20	-1	3.7	1.8
RØR SED 400235	57	-500	-5	-5	-0.2	-3	360	19	44	21	3.8	0.8	-0.5	2.2	0.3	8	1	-4	-20	-1	4.4	2.8
RØR SED 400236	47	-500	-5	-5	-0.2	-3	280	21	49	20	4	0.8	0.6	2.3	0.29	7	2	-4	-20	-1	6.3	2.1
RØR SED 400237	91	-500	-5	-5	-0.2	5	420	29	71	29	5.7	1.3	1.3	2.8	0.35	6	2	-4	-20	-1	11	2.6
RØR SED 400238	49	-500	-5	-5	0.2	-3	330	20	54	20	4	0.9	1	2.4	0.31	8	2	-4	-20	-1	8.8	2.3
RØR SED 400239	51	-500	-5	-5	-0.2	-3	270	19	47	19	3.7	0.8	-0.5	2.2	0.28	7	1	-4	-20	-1	6.3	2.2
RØR SED 400240	56	-500	-5	-5	-0.2	-3	310	30	56	29	5.4	1.1	0.8	2.6	0.33	7	2	-4	-20	-1	7.2	2.6
RØR SED 400241	44	-500	-5	-5	-0.2	-3	320	13	31	14	2.5	0.6	-0.5	1.5	0.2	6	1	-4	-20	-1	3.4	1.9
RØR SED 400242	41	-500	-5	-5	-0.2	-3	260	15	33	17	2.8	0.6	-0.5	1.6	0.23	6	-1	-4	-20	-1	3.4	2.4
RØR SED 400243	38	-500	-5	-5	-0.2	-3	260	29	36	30	5.3	1.1	0.8	2.7	0.33	7	2	-4	-20	-1	4.2	5.2
RØR SED 400244	49	-500	-5	-5	-0.2	-3	330	31	57	33	6.1	1.3	0.8	2.8	0.36	6	-1	-4	-20	-1	5	6.6
RØR SED 400245	40	-500	-5	-5	-0.2	-3	350	23	67	25	4	0.8	0.7	2	0.25	5	1	-4	-20	-1	5.6	6.4
RØR SED 400246	53	-500	-5	-5	-0.2	4	440	25	59	26	4.6	0.9	0.7	2.4	0.29	5	2	-4	-20	-1	7.2	4.4
RØR SED 400247	43	-500	-5	-5	-0.2	4	310	34	88	35	6.2	1.2	1.2	2.7	0.33	6	2	-4	-20	-1	9.3	4.8
GRO SED 399501	-30	-500	-5	-5	0.4	-3	190	19	41	20	4.1	1.1	0.9	3.5	0.46	7	2	-4	-20	-1	3.6	2.7
GRO SED 399502	-30	-500	-5	-5	0.5	-3	280	40	90	45	9.3	2.4	1.3	4.2	0.52	8	2	-4	-20	-1	7.1	5.5
GRO SED 399503	32	-500	22	-5	0.3	-3	350	22	44	23	4.2	1.3	-0.5	3.3	0.41	6	2	-4	-20	-1	5.6	7.4
GRO SED 399504	-30	-500	-5	-5	0.6	-3	190	18	39	19	4	1	0.8	3.4	0.44	7	-1	-4	-20	-1	3.4	3
GRO SED 399505	-30	-500	-5	-5	0.3	-3	160	20	40	20	4.5	1.2	0.7	5.1	0.66	15	2	-4	-20	-1	3.5	2.9
NIST 8606	37	-500	1090	-5	-0.2	-3	230	36	48	26	5.7	1.5	1	2.7	0.32	9	-1	976	-20	-1	8.9	9.4
DUP-SED 400201	40	-500	-5	-5	-0.2	-3	280	12	27	13	2.4	0.6	-0.5	1.8	0.24	9	2	-4	-20	-1	3.6	1.8
DUP-SED 400213	51	-500	-5	-5	-0.2	-3	320	20	46	20	3.6	0.8	-0.5	2	0.27	8	2	-4	-20	-1	5.4	2.6
DUP-SED 400225	42	-500	-5	6	-0.2	-3	350	15	38	16	2.8	0.6	-0.5	1.8	0.24	7	1	-4	-20	-1	3.4	2.5
DUP-SED 400237	95	-500	-5	-5	-0.2	5	380	28	69	26	5.5	1.1	1.2	2.7	0.33	6	2	-4	-20	-1	11	2.3
DUP-SED 399501	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000

Encl. no 3.
Stream sediment samples
Sjursvollen, RØROS.

Spl.no	UTM E	UTM N	Depth	Target	Description
DOB302	623996	6957485	3.6	Sjursvollen	grey silt with mica and qtz fragm.
DOB303	624019	6957501	1.7	Sjursvollen	brown grey silt
DOB304	624035	6957515	1.1	Sjursvollen	greybrown silt, rusty
DOB305	624053	6957528	2.7	Sjursvollen	greybrown silt, rusty
DOB306	624073	6957543	2.8	Sjursvollen	greybrown silt with mica sch fragm.
DOB307	624092	6957556	2.5	Sjursvollen	greybrown silt with fragm. of schist and qtz
DOB308	624112	6957575	1.7	Sjursvollen	greybrown silt with fragm. of schist and qtz
DOB309	624131	6957587	4.1	Sjursvollen	greybrown silt
DOB310	624149	6957602	6.9	Sjursvollen	greybrown silt
DOB311	624188	6957625	10.9	Sjursvollen	greybrown silt, weakly rusty
DOB312	624237	6957561	1.9	Sjursvollen	greybrown silt with schist fragm.
DOB313	624200	6957527	1.3	Sjursvollen	greybrown silt, rusty
DOB314	624183	6957513	2.5	Sjursvollen	greybrown silt
DOB315	624166	6957497	2.7	Sjursvollen	greybrown silt
DOB316	624146	6957485	1.7	Sjursvollen	greybrown silt
DOB317	624125	6957467	3	Sjursvollen	greybrown silt
DOB318	624108	6957453	5.2	Sjursvollen	brown silt
DOB319	624089	6957436	8.3	Sjursvollen	grey silt
DOB320	624072	6957419	13.1	Sjursvollen	rust brown mix of sand and coarse gravel
DOB321	624056	6957400	8	Sjursvollen	grey sand and gravel
DOB322	624018	6957368	3.1	Sjursvollen	grey silt and rustybrown sand
DOB323	624094	6957311	1	Sjursvollen	rustybrown sand and manor silt
DOB324	624114	6957321	1	Sjursvollen	rustybrown silt
DOB325	624135	6957337	0.9	Sjursvollen	grey silt/sand
DOB326	624156	6957353	0.8	Sjursvollen	greybrown silt
DOB327	624179	6957367	4.7	Sjursvollen	grey silt
DOB328	624199	6957379	6.2	Sjursvollen	greybrown silt
DOB329	624218	6957392	5.1	Sjursvollen	greybrown silt/sand
DOB330	624238	6957409	1.9	Sjursvollen	greybrown sand
DOB331	624259	6957421	1.8	Sjursvollen	grey silt/greybrown sand
DOB332	624293	6957454	3.2	Sjursvollen	greybrown silt/sand
DOB333	624313	6957469	3.1	Sjursvollen	greybrown silt
DOB334	624330	6957478	1.8	Sjursvollen	greybrown silt
DOB335	623775	6958210	2.2	Sjursvollen	greybrown silt/sand
DOB336	623825	6958230	1	Sjursvollen	greybrown silt/sand
DOB337	623850	6958230	0.6	Sjursvollen	greybrown sand/gravel and soil, LOS
DOB338	623875	6958230	0.9	Sjursvollen	greybrown sand/gravel
DOB339	623900	6958230	1.3	Sjursvollen	greybrown sandy gravel with mica sch fragm.
DOB340	623925	6958230	4.4	Sjursvollen	greybrown sand
DOB341	623975	6958220	1.4	Sjursvollen	rustybrown silt

Smpl. Id	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	Spl.no	Target	V	Cr	Mn	Fe	Co	Ni	C
Sch Code	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70			ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	IC
Ana Unit	ppm	%	%	%	%	%	%	ppm	%			ppm	ppm	ppm	%	ppm	ppm	Pl
Det Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.01			2	1	2	0.01	1	1	0.
DOB302	0.5	0.01	1.98	2.41	0.09	0.86	0.35	7.5	0.11	DOB302	Sjursvollen	48	58	178	3.31	18	27	5
DOB303	0.5	0.01	0.71	1.1	0.03	0.14	0.12	1.7	0.05	DOB303	Sjursvollen	22	32	193	1.65	2	31	2
DOB304	0.5	0.01	1.63	1.95	0.07	0.42	0.3	5.1	0.09	DOB304	Sjursvollen	49	95	558	2.94	14	92	2
DOB305	0.5	0.02	1.47	1.89	0.07	0.65	0.33	5.8	0.08	DOB305	Sjursvollen	51	64	376	2.84	10	59	3
DOB306	0.5	0.02	1.44	1.89	0.08	0.42	0.37	4.9	0.07	DOB306	Sjursvollen	41	53	447	2.87	12	41	2
DOB307	0.5	0.01	1.54	2	0.06	0.59	0.23	5.1	0.09	DOB307	Sjursvollen	45	69	842	3.18	18	69	4
DOB308	0.5	0.01	1.2	1.4	0.06	0.36	0.19	2.9	0.05	DOB308	Sjursvollen	29	49	726	2.4	11	102	3
DOB309	0.5	0.01	1.68	1.77	0.06	0.35	0.24	5	0.07	DOB309	Sjursvollen	46	98	1060	3.94	28	196	9
DOB310	0.5	0.01	1.33	1.43	0.06	0.39	0.24	3.6	0.05	DOB310	Sjursvollen	30	51	538	2.5	9	112	3
DOB311	0.5	0.01	1.54	1.59	0.06	0.46	0.22	4.6	0.07	DOB311	Sjursvollen	40	74	161	2.39	11	88	6
DOB312	0.5	0.02	1.37	1.73	0.07	0.35	0.33	5.5	0.06	DOB312	Sjursvollen	45	53	342	2.58	13	48	3
DOB313	0.5	0.01	1.1	1.46	0.04	0.2	0.21	4.9	0.05	DOB313	Sjursvollen	42	54	485	2.15	9	32	1
DOB314	0.5	0.02	1.74	2.2	0.06	0.83	0.54	6.4	0.11	DOB314	Sjursvollen	49	55	800	3.7	18	83	3
DOB315	0.5	0.01	1.31	1.75	0.08	0.51	0.3	7.4	0.07	DOB315	Sjursvollen	45	48	603	2.94	10	58	4
DOB316	0.5	0.01	1.13	1.59	0.07	0.4	0.22	6.9	0.07	DOB316	Sjursvollen	41	44	830	2.94	16	87	4
DOB317	0.5	0.01	1.05	1.1	0.05	0.17	0.19	2.3	0.05	DOB317	Sjursvollen	23	42	470	1.83	4	70	2
DOB318	0.5	0.01	0.94	1.13	0.06	0.25	0.2	3.1	0.05	DOB318	Sjursvollen	23	36	329	1.78	7	57	2
DOB319	0.5	0.01	0.7	0.79	0.04	0.22	0.13	2.1	0.04	DOB319	Sjursvollen	17	28	78	1.1	15	106	1
DOB320	0.5	0.01	1.96	1.75	0.06	0.54	0.41	4.6	0.07	DOB320	Sjursvollen	39	97	1370	5.64	26	321	3
DOB321	0.5	0.01	2.1	1.55	0.05	0.44	1.66	3.8	0.05	DOB321	Sjursvollen	32	58	458	2.71	10	171	3
DOB322	0.5	0.01	1.83	2.1	0.07	0.35	0.18	5.8	0.09	DOB322	Sjursvollen	55	82	1810	3.22	26	138	2
DOB323	0.5	0.01	1.4	1.94	0.06	0.31	0.22	7	0.07	DOB323	Sjursvollen	45	55	685	3.3	17	52	4
DOB324	0.5	0.01	0.8	1.87	0.06	0.21	0.22	3.3	0.04	DOB324	Sjursvollen	26	35	405	1.87	7	36	2
DOB325	0.5	0.01	1.23	1.81	0.07	0.44	0.29	4.9	0.07	DOB325	Sjursvollen	35	47	562	2.46	14	51	3
DOB326	0.5	0.04	1.18	1.35	0.05	0.04	0.29	5.1	0.02	DOB326	Sjursvollen	36	54	779	1.98	7	32	1
DOB 327	0.5	0.02	0.78	1	0.06	0.35	0.2	2.4	0.06	DOB327	Sjursvollen	28	35	123	1.48	7	44	3
DOB 328	0.5	0.02	0.85	1.05	0.05	0.3	0.18	2.9	0.07	DOB328	Sjursvollen	29	40	244	1.92	12	55	3
DOB 329	0.5	0.02	1.4	1.33	0.06	0.49	0.16	3.9	0.08	DOB329	Sjursvollen	40	67	553	2.48	16	128	3
DOB 330	0.5	0.02	2.53	1.17	0.04	0.28	0.09	3	0.04	DOB330	Sjursvollen	29	85	616	2.67	25	283	2
DOB 331	0.5	0.02	1.42	1.34	0.05	0.28	0.1	4	0.06	DOB331	Sjursvollen	33	73	860	2.58	25	125	5
DOB 332	0.5	0.02	0.88	0.99	0.05	0.4	0.24	2.6	0.06	DOB332	Sjursvollen	28	36	389	1.77	11	57	3
DOB 333	0.5	0.02	0.88	1.08	0.05	0.28	0.1	2.6	0.06	DOB333	Sjursvollen	28	39	375	1.77	9	63	3
DOB 334	0.5	0.02	0.84	1.03	0.05	0.3	0.19	2.4	0.06	DOB334	Sjursvollen	28	38	368	1.69	9	52	3
DOB 335	0.5	0.02	0.67	0.94	0.06	0.18	0.16	2.5	0.04	DOB335	Sjursvollen	26	44	101	1.7	7	41	2
DOB 336	0.5	0.02	0.58	0.9	0.04	0.16	0.17	1.9	0.04	DOB336	Sjursvollen	22	50	171	1.52	6	38	2
DOB 337	0.5	0.02	0.92	1.17	0.04	0.12	0.11	2.3	0.03	DOB337	Sjursvollen	29	62	5520	2.46	24	111	1
DOB 338	0.5	0.02	0.92	0.99	0.06	0.15	0.15	1.5	0.02	DOB338	Sjursvollen	21	57	321	1.98	8	53	1
DOB 339	0.5	0.02	1.04	0.88	0.05	0.3	0.16	2.7	0.04	DOB339	Sjursvollen	25	61	539	1.77	13	108	3
DOB 340	0.5	0.02	0.87	0.86	0.04	0.16	0.16	1.9	0.04	DOB340	Sjursvollen	24	55	396	1.56	10	58	3
DOB 341	0.5	0.02	0.55	0.94	0.03	0.15	0.07	1.5	0.03	DOB341	Sjursvollen	18	63	211	1.27	5	49	1

Spl.no	UTM E	UTM N	Depth	Target	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W	Pb	Bi	Li
					ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
					0.5	0.5	3	0.5	0.5	0.5	1	0.2	1	10	5	1	0.5	10	2	5	1
DOB302	623996	6957485	3.6	Sjursvollen	54.4	76.1	8	11	11.6	8.8	1	0.2	1	10	8	60	30.2	10	7	5	25
DOB303	624019	6957501	1.7	Sjursvollen	21.1	85.4	3	5.2	5.9	3.2	1	0.2	1	10	5	23	13.2	10	9	5	11
DOB304	624035	6957515	1.1	Sjursvollen	29.8	101	3	7.9	7.7	6	1	0.2	1	10	8	58	17.7	10	12	5	24
DOB305	624053	6957528	2.7	Sjursvollen	33.5	144	3	10.2	11.3	15.2	1	0.2	1	10	5	76	25.3	10	2	5	20
DOB306	624073	6957543	2.8	Sjursvollen	28.1	98.8	3	10.5	12.9	9.3	1	0.2	1	10	5	58	27.3	10	2	5	22
DOB307	624092	6957556	2.5	Sjursvollen	43.6	139	3	8.5	13.3	13	1	0.2	1	10	9	70	24.8	10	2	5	25
DOB308	624112	6957575	1.7	Sjursvollen	12.9	120	3	6.4	7.1	10.6	1	0.6	2	10	5	53	17.6	10	10	6	12
DOB309	624131	6957587	4.1	Sjursvollen	44.6	72.4	4	7.4	15.3	14.4	2	1.1	1	10	5	79	21.3	10	8	5	22
DOB310	624149	6957602	6.9	Sjursvollen	33.5	130	5	7.9	11.2	13.8	1	0.2	1	10	9	53	20.5	10	7	5	15
DOB311	624188	6957625	10.9	Sjursvollen	67.2	84.1	3	7.3	12.1	9.7	1	0.2	1	10	5	64	19.6	10	13	5	16
DOB312	624237	6957561	1.9	Sjursvollen	30.6	98.7	3	7.4	11.3	2.8	1	0.2	1	10	5	39	20.2	10	3	5	19
DOB313	624200	6957527	1.3	Sjursvollen	13.1	33	8	5.3	6.8	4.4	1	0.9	1	10	5	28	10.9	10	2	5	14
DOB314	624183	6957513	2.5	Sjursvollen	32.8	66.8	3	10.4	12.5	8.2	1	0.4	1	10	5	70	23.8	10	2	5	21
DOB315	624166	6957497	2.7	Sjursvollen	44.9	55.2	6	8.5	12.7	7.8	1	0.2	1	10	7	55	25.2	10	6	5	20
DOB316	624146	6957485	1.7	Sjursvollen	44.5	49.6	10	5.5	13.5	8.7	1	0.2	1	10	5	66	21.7	10	5	5	15
DOB317	624125	6957467	3	Sjursvollen	22.4	35.3	4	6.2	8.4	6.8	1	0.2	1	10	5	32	14.3	10	6	5	12
DOB318	624108	6957453	5.2	Sjursvollen	19.7	37.9	3	6.5	7.7	8.1	1	0.2	1	10	5	38	17.3	10	7	5	15
DOB319	624089	6957436	8.3	Sjursvollen	16.9	27.7	3	5.2	8.1	4.2	1	0.2	1	10	5	37	13.7	10	2	5	8
DOB320	624072	6957419	13.1	Sjursvollen	34	61.3	18	9.7	18.5	19.7	2	0.2	1	10	5	81	26.5	10	8	6	18
DOB321	624056	6957400	8	Sjursvollen	30.6	51.8	13	31.1	10.2	11	1	0.2	1	10	5	53	21.3	10	8	5	18
DOB322	624018	6957368	3.1	Sjursvollen	29.4	65.4	15	6.6	12.6	11.8	1	0.2	1	10	5	80	19.6	10	10	5	24
DOB323	624094	6957311	1	Sjursvollen	40	57.5	3	5.5	11	6.9	1	0.2	1	10	5	44	18.6	10	3	5	24
DOB324	624114	6957321	1	Sjursvollen	25.5	33.3	12	6.4	8.6	7.7	1	0.5	1	10	5	31	15	10	4	5	12
DOB325	624135	6957337	0.9	Sjursvollen	32	45.5	6	8.4	9.3	6.4	1	0.2	1	10	8	50	19.8	10	2	5	18
DOB326	624156	6957353	0.8	Sjursvollen	15.6	25.9	3	4.1	6.7	2	1	0.2	1	10	5	13	12.4	10	3	5	11
DOB327	624179	6957367	4.7	Sjursvollen	38.8	37.5	21	16.6	4.8	5.2	1	0.2	1	10	5	35	8.8	10	7	5	12
DOB328	624199	6957379	6.2	Sjursvollen	91	98	26	5.7	8.5	9.4	1	0.2	1	10	5	39	20.1	10	8	5	12
DOB329	624218	6957392	5.1	Sjursvollen	37.3	49.8	28	6	10.2	9.2	2	0.2	1	10	5	58	17.6	10	22	5	15
DOB330	624238	6957409	1.9	Sjursvollen	24.8	37.8	22	4.5	7.4	6.9	1	0.2	1	10	5	47	16.6	10	10	5	15
DOB331	624259	6957421	1.8	Sjursvollen	14.9	32.4	28	3.9	11.4	4.1	1	0.2	1	10	5	54	15	10	9	5	14
DOB332	624293	6957454	3.2	Sjursvollen	30	39.8	20	7.9	7.9	8.1	1	0.2	1	10	5	40	13	10	8	5	12
DOB333	624313	6957469	3.1	Sjursvollen	12.3	28.2	24	4.3	9.2	7	1	0.2	1	10	5	27	13.6	10	9	5	12
DOB334	624330	6957478	1.8	Sjursvollen	9.4	34.1	24	5.2	8.2	6.5	1	0.2	1	10	5	35	14.3	10	9	5	12
DOB335	623775	6958210	2.2	Sjursvollen	25.1	35.3	18	5.4	7.7	9.4	1	0.2	1	10	5	48	16.2	10	10	5	10
DOB336	623825	6958230	1	Sjursvollen	14.3	38.1	19	5.8	5.2	6.7	2	0.2	1	10	5	42	10.2	10	6	5	12
DOB337	623850	6958230	0.6	Sjursvollen	12.8	49.6	26	4.4	5.9	6.1	3	0.2	1	10	5	103	12.7	10	10	5	17
DOB338	623875	6958230	0.9	Sjursvollen	14.4	35.3	20	6.8	7.1	10.6	1	0.2	1	10	5	29	16.4	10	7	5	13
DOB339	623900	6958230	1.3	Sjursvollen	35.9	32.4	19	6.1	9.5	10.6	1	0.2	1	10	5	60	16.4	10	12	5	9
DOB340	623925	6958230	4.4	Sjursvollen	9.1	31	19	4.7	6.7	7.8	1	0.2	1	10	5	32	11.4	10	5	5	7
DOB341	623975	6958220	1.4	Sjursvollen	17	19.2	17	2.9	5.2	7.5	1	0.2	1	10	5	35	13	10	8	5	8

Sjursv. DOB 2001

Storskarven DOB samples results

Sample_ID	Easting	Northing	UTM_East	UTM_North	Depth	Description
SK001	10700	10150	630850.53	6961489.89	0.15	Dark brown to red humus-rich and grey to green chloritic silty material. Few rock fragments
SK003	10700	10140	630847.09	6961480.46	0.3	Brown humus with lower 1/4 bleached silt
SK006	10700	10160	630853.98	6961499.31	0.2	Dark brown humus in upper half with rusty brown sand in bottom
SK007	10700	10170	630857.43	6961508.73	0.6	Bron. Hum. W/ lower half of light brown to grey sand with frags of qtz-rich rock & chl. Sch.
SK008	10700	10525	630979.74	6961843.12	0.3	Upper portion is brown-grey humus with the lower half brown to grey sandy material
SK010	10700	10515	630976.29	6961833.7	0.2	Upper is dark brown humus with the lower comprised of bleached silty material and red-brown sand
SK012	10700	10535	630983.18	6961852.54	0.2	Rich in humus, some bleached silt and rusty brown material with rusty mica in lower portion of sample
SK015	10900	10512	631163.64	6961761.97	0.3	Brown to red brown humus with red green rock powder at the bottom
SK018	10900	10506	631161.57	6961756.32	0.4	Red brown soil with fragments of schist and quartz & some grey green rock powder
SK017	10900	10525	631168.12	6961774.22	1	Light grey green rock powder with fragments of chlorite schist and some brown humus and brown silt
SK025	11000	10200	631150.37	6961433.63	0.9	Smpl 1 upper part grey org. W/ lower grey rock powder;Smpl 2 brown silt/soil w/fragm. W/ chl-amph sch.
SK027	11000	10190	631146.92	6961424.21	0.5	Brown soil and grey brown silt and a few rock fragments
SK029	11000	10282	631178.61	6961510.87	1.2	Brown soil and grey brown silt
SK030	11000	10292	631182.06	6961520.3	2.2	Grey green silt and sand
SK020	10900	10175	631047.55	6961444.53	0.8	Grey silt and minor brown humus(difficult sampling boulders)
SK022	10900	10185	631051	6961453.96	1.3	Grey green silt with some rock fragments
SK024	10900	10195	631054.44	6961463.37	0.9	Grey and rusty yellow silt and sand with fragments of chl-musc schist
SK036	11000	10490	631250.26	6961706.81	0.7	Light yellow brown silt
SK037	11000	10465	631241.65	6961683.26	0.5	Light yellow brown silt and humus
SK034	11000	10560	631274.37	6961772.74	0.9	Grey brown silt
SK033	11000	10535	631265.75	6961749.2	0.4	Brown and light grey sand and gravel
SK032	11000	10517	631259.56	6961732.24	0.9	Grey brown silt
SK039	10300	10422	630567.49	6961883.93	0.9	Brown sand
SK040	10300	10450	630577.13	6961910.3	0.9	Grey green and brown sand with minor rock fragments
SK041	10300	10475	630585.75	6961933.85	1.6	Grey sand (greenish and brown intercalations) with few rock fragments
SK042	10300	10400	630559.9	6961863.21	0.6	Broen sand and soil
SK043	10300	10350	630542.67	6961816.11	0.8	Grey brown sand and silt with a few rock fragments
SK044	10300	10037	630434.79	6961521.28	0.8	Grey brown sand
SK045	10300	10050	630439.27	6961533.53	0.5	Dominantly dark brown humus and minor grey silt and rock powder
SK047	10100	10562	630427.36	6962084.72	0.6	Grey brown gravel and humus
SK048	10100	10537	630418.74	6962061.17	0.5	Light grey brown sand
SK049	10100	10512	630410.12	6962037.63	1.6	Smpl 1 Light bleached silt and humus: smpl 2 grey sand with endplug of green rock
SK050	10100	10484	630400.47	6962011.25	0.4	Brown humus with black organics and some brown sand
SK051	10100	10456	630390.83	6961984.89	0.15	Brown-black humus and minor brown gravel: LQS
SK052	10100	10425	630380.14	6961955.68	0.3	Humus and grey brown silt with endplug of chl-mica schist.

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Storskarven DOB samples results

SK053	10100	10400	630371.52	6961932.14	0.6	Red brown soil/sand and dark brown humusand grey green sand
SK056	10100	10250	630319.82	6961790.86	0.4	Brown grey sand and a few rock fragments
SK057	10100	10225	630311.2	6961767.3	0.2	Dark brown soil and sand + humus
SK059	10100	10200	630302.58	6961743.76	0.4	Humus and grey green rock powder endplug of greywacke
SK060	10100	10150	630285.35	6961696.66	2.1	Greygreen silt and rock powder with an endplug of greygreen schist (greywacke)
SK061	10100	10100	630268.11	6961649.57	0.4	Dark brown soil/humus LQS
SK062	10100	10075	630259.5	6961626.01	2.1	Brownish greygreen sand with fragments of chlorite schist
SK063	10100	10050	630250.88	6961602.47	1.1	Greyblue silt
SK065	10300	9200	630146.27	6960732.73	0.3	Grey and and material reflecyting bedrock musc-bio schist(endplug) Some humus
SK066	10300	9250	630163.51	6960779.84	0.45	Brown mixed sand/humus with some mica rich fragments
SK067	10300	9275	630172.13	6960803.4	0.65	Brown mixed humus sand
SK069	10300	9325	630189.36	6960850.51	0.2	Dark brown to black humus LQS
SK070	10300	9350	630197.99	6960874.06	0.75	Dark brown to black humus LQS
SK072	10300	9475	630241.07	6960991.84	0.65	Brown mixed sand/soil
SK073	10300	9525	630258.32	6961038.94	0.5	Dark brown to black humus and minor grey sand. LQS
SK074	10300	9550	630266.93	6961062.5	0.7	Brown humus and sand.
SK075	10300	9575	630275.55	6961086.05	0.6	Humus and grey silt
SK076	10300	9600	630284.17	6961109.61	0.3	Humus and grey silt and endplug of chlorite-mica schist
SK077	10300	9625	630292.78	6961133.15	1	Grey silty mica chloritic material.
SK078	10300	9675	630310.02	6961180.26	0.5	Humus and minor brown silt LQS
SK071	10300	9400	630215.22	6960921.17	0.8	Brown grey silt and humus
SK080	10300	10525	630602.98	6961980.95	0.35	Mica rich silty material with an endplug of mica schist
SK081	10900	10150	631038.94	6961420.98	0.2	Humus and minor brown sand LQS (Tried several times machinetrouble
SK082	10500	10550	630799.97	6961935.58	0.5	Brown to redbrown soil and minor silt with some rockk fragments
SK083	10500	10500	630782.74	6961888.48	0.3	Dark brown soil and minor sand
SK084	10500	10475	630774.13	6961864.93	0.3	Dark brown soil and minor sand LQS
SK085	10500	10155	630663.86	6961563.51	0.4	Brown soil minor silt with an endplug of Gabbro???
SK086	10500	10105	630646.63	6961516.41	0.9	Light brown silt sand
SK087	10500	10080	630638.01	6961492.86	0.2	Humus and brown sand.
SK002	10700	10145	630848.81	6961485.17	0.4	Brown humus, lower 1/3: bleached silt
SK004	10700	10155	630852.26	6961494.6	0.2	Dom. dark brown humus. Light gravel and chloritic matr. (fragm. and fine grained) at the bottom
SK005	10700	10156	630852.6	6961495.54	0.5	Brown, partl. redbrown humus. Lower part: light grey, finegr. matr., min. rusty br. sand,fragm.of chl.
SK009	10700	10520	630978.01	6961838.41	0.2	Brown-black organic matr. LQS
SK011	10700	10530	630981.46	6961847.83	0.2	Humus, and lower 2-3 cm: redbrown sand incl. rusty-yellow mica, and light grey silt
SK013	10700	10750	631057.25	6962055.04	0.5	Light rusty brown to light grey silt
SK014	10700	10755	631058.97	6962059.75	0.3	Humus and rusty brown silt with mica

Storskarven DOB samples results

SK016	10900	10517	631165.36	6961766.68	0.3	Dark brown and black org., with greygreen rock powder at the bottom
SK019	10900	10500	631159.5	6961750.68	0.4	Dark brown to redbrown humus and rock fragm. (quartzite and schist). LQS
SK021	10900	10180	631049.27	6961449.24	1.4	Grey silt with some rock fragm. (Diff. sampling; boulders)
SK023	10900	10190	631052.72	6961458.67	0.8	Brown (partly rusty-brown) silt and gravel, with fragm. of amph.-bio. rock
SK026	11000	10195	631148.64	6961428.92	0.5	Dom. brown soil, grey silt at the bottom
SK028	11000	10287	631180.33	6961515.59	1.7	Green silt and fragm. of green finegr. sch. (hbl.+chl.)
SK031	11000	10512	631257.84	6961727.53	0.8	Upper part: Humus. Lower: Light brown silt
SK035	11000	10507	631256.11	6961722.82	0.9	Light yellowbrown silt
SK038	10300	10412	630564.04	6961874.51	0.6	Yellowbrown sand and minor humus
SK046	10100	10612	630444.59	6962131.81	0.8	Humus and minor greenish rock powder in the lower part. LQS. Boulders?
SK054	10100	10350	630354.29	6961885.05	0.7	Brown sand and minor humus
SK055	10100	10325	630345.67	6961861.49	0.8	Browngrey sand/silt
SK058	10100	10212	630306.72	6961755.06	0.7	Brownish greengrey sand with greygrn. rockpowder in lower part, end plug of greygreen schist (greyw.)
SK064	10100	9975	630225.02	6961531.82	0.3	Brown soil/sand
SK079	10300	10300	630525.44	6961769.02	0.4	Brown silt and humus
SK068	10300	9300	630180.75	6960826.96	0.5	Brownish grey sand

Storskarven DOB samples results

Smpl_Id	Cu	Pb	Zn	Ag	Wt_80	Wt_80_2	Au	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	As	Sr	Y	Zr	Mo	Cd	Sn	Sb	Ba	La	W	Bi
SK001	2.2	7	19	-0.2	47.1	24.4	10	-0.5	0	0.5	0.8	0	0.1	0.1	1.9	0	40	36	61	1.5	3	27	6	5	3.9	5.6	2	-1	-10	-5	22	7.5	-10	-5
SK003	23.9	6	25.6	-0.2	22.1	13.1	4	-0.5	0	0.5	0.9	0	0.1	0.1	1.7	0.1	41	41	100	1.8	5	27	-3	3	2.5	3.3	2	-1	-10	-5	18	6.1	-10	-5
SK006	47.1	-2	24.8	-0.2	56.9	38	7	-0.5	0	0.8	1.4	0.1	0.1	0.1	2.3	0	36	42	101	2.1	5	25	-3	4.3	8.4	3.5	1	-1	-10	-5	21	13	-10	-5
SK007	16.5	3	30.4	-0.2	57.2	30.3	5	-0.5	0	0.8	1.4	0.1	0.1	0.1	2.9	0	38	46	86	1.8	6	28	-3	6.1	7.5	3.5	1	1	-10	5	27	16	-10	-5
SK008	132	-2	101	-0.2	28	9.2	9	-0.5	0	0.5	0.8	0.1	-0	0.1	1.2	-0	21	42	117	1.6	7	12	-3	3.5	2.5	1.4	-1	-1	-10	6	11	2.9	-10	-5
SK010	280	7	32.8	-0.2	27	15.4	-1	-0.5	0	0.6	1.3	0.1	0.2	0.1	2.3	0.1	40	46	83	1.8	4	22	-3	2.8	7.1	3.2	1	-1	-10	-5	24	22	-10	-5
SK012	130	6	49.7	-0.2	61.7	28.3	5	-0.5	0	0.5	1	0	0.1	0	1.7	0.1	51	36	107	1.6	5	19	-3	2.1	2.5	3.7	-1	-1	-10	-5	24	3.7	-10	-5
SK015	10.1	2	33.3	-0.2	49.7	25.6	6	-0.5	0	0.8	1.5	0.1	0.3	0.1	2.4	0.1	43	46	170	2.2	6	30	-3	4	3.5	4.1	1	-1	-10	6	31	7.1	-10	8
SK018	22.6	7	38.1	-0.2	71.9	46.4	10	-0.5	0	1	1.7	0.1	0.4	0.2	3.7	0.1	46	65	263	2.3	10	38	-3	6.2	6.6	5.6	2	-1	-10	-5	50	13	-10	-5
SK017	26	4	49.9	-0.2	72.3	40.5	20	-0.5	0	1.3	2.2	0.1	0.8	0.2	4.5	0.2	63	64	427	2.9	11	43	-3	5.2	12	3.5	-1	1	-10	-5	82	14	-10	6
SK025	108	4	104	-0.2	65	23.5	3	-0.5	0	1.7	2.5	0.1	0.7	0.2	4.7	0.1	91	64	504	3.7	18	46	-3	5.5	6	7.2	4	-1	-10	-5	70	9.1	-10	9
SK027	13.5	2	16.4	-0.2	57.7	26.1	3	-0.5	0	0.5	0.8	0	0.1	0.1	1.4	0	37	43	87	1.6	5	18	-3	2	3.6	2.8	-1	-1	-10	-5	9	6.5	-10	-5
SK029	199	4	61.1	-0.2	27.3	21.7	7	-0.5	0	1.5	2.2	0.1	0.3	0.2	7.3	0.1	70	64	186	3.2	11	38	4	4.6	19	5.2	2	-1	-10	-5	46	21	-10	-5
SK030	82.4	-2	98.7	-0.2	43.6	23	7	-0.5	0	1.8	2.4	0.1	0.5	0.2	8.9	0.1	83	74	215	3.6	11	45	-3	4.9	16	7.3	3	-1	-10	-5	73	22	-10	9
SK020	68	-2	27.9	-0.2	42.9	14.2	6	-0.5	0	0.8	1.2	0.1	0.1	0.1	2.9	0.1	30	36	86	1.5	7	26	3	4.7	10	5.6	-1	-1	-10	-5	35	16	-10	-5
SK022	124	-2	40.2	-0.2	71.8	37.4	9	-0.5	0	1.1	1.6	0.1	0.2	0.2	4.8	0.1	52	59	142	2.2	9	31	3	5.1	21	8.1	3	-1	-10	-5	57	33	-10	6
SK024	46.3	4	60.9	-0.2	37	23	4	-0.5	0	1.1	1.7	0.1	0.2	0.1	3.6	0.1	41	51	294	2.7	7	28	-3	3.4	10	5.2	2	-1	-10	-5	27	15	-10	5
SK036	26	2	22.5	-0.2	49.7	10.9	10	-0.5	0	0.6	1	0.1	0.2	0.2	2.3	0.1	23	27	221	1.3	6	23	-3	6.6	9.2	7.5	-1	-1	-10	-5	24	16	-10	-5
SK037	0.6	2	27.8	-0.2	49.5	12.5	6	-0.5	0	0.8	1.2	0	0.4	0.1	1.6	0.1	51	74	256	2	7	27	7	4.3	2.7	2.8	-1	-1	-10	-5	120	6.2	-10	-5
SK034	48.1	4	44.9	-0.2	37.4	33	7	-0.5	0	1.2	1.8	0.1	0.6	0.2	3.9	0.1	51	62	349	2.4	10	40	-3	5.7	16	6.3	2	-1	-10	-5	109	20	-10	-5
SK033	6.4	7	28.4	-0.2	61.9	51.9	11	-0.5	0	0.8	1.3	0	0.2	0.1	2.3	0.1	38	39	256	1.9	7	32	-3	3.8	4	5.6	1	-1	-10	-5	27	7.7	-10	-5
SK032	22.4	3	27.5	-0.2	46.7	21.2	3	-0.5	0	0.8	1.2	0.1	0.3	0.1	2.7	0.1	30	39	355	1.7	8	35	-3	4.8	6.7	6.9	-1	-1	-10	-5	35	13	-10	-5
SK039	77	6	78.1	-0.2	60.5	12	6	-0.5	0	1.2	1.7	0.1	0.5	0.3	3.3	0.1	75	72	420	3	18	21	-3	3.8	7.9	2	3	-1	-10	-5	234	4.2	-10	9
SK040	54.7	5	125	-0.2	50.9	20.2	7	-0.5	0	1.3	2	0.1	0.6	0.2	8.7	0.1	89	80	210	3.3	9	37	-3	3.1	9.4	5.5	3	-1	-10	-5	363	16	-10	10
SK041	92.9	3	133	-0.2	47	27	4	-0.5	0	1	1.4	0.1	0.2	0.2	3.8	0.1	44	48	164	1.9	8	30	-3	6.2	12	5.8	-1	-1	-10	-5	73	23	-10	-5
SK042	12.8	-2	17.1	-0.2	38.6	8.4	19	-0.5	0	0.4	0.8	0.1	0.1	0.1	1.5	0	18	21	158	1	4	18	-3	4.2	4.4	3.1	-1	-1	-10	-5	18	9.4	-10	-5
SK043	26.7	2	24.6	-0.2	46.4	20.8	14	-0.5	0	0.7	1.1	0.1	0.3	0.2	3.3	0.1	31	38	445	1.7	7	31	-3	6	9.9	5.7	-1	-1	-10	5	45	17	-10	-5
SK044	4.4	3	12.7	-0.2	34.1	20.4	7	-0.5	0	0.7	1	0.1	0.2	0.1	3	0	32	36	116	1.5	4	27	-3	4	5.3	4	1	-1	-10	-5	22	10	-10	7
SK045	4.1	-2	12.8	-0.2	62.4	52.7	2	-0.5	0	0.8	1.6	0	0.2	0.1	4.5	0.1	46	46	114	1.9	6	29	-3	2.2	7	5.2	-1	-1	-10	-5	23	13	-10	-5
SK047	28.2	2	38	-0.2	34	31.6	2	-0.5	0	0.8	1.4	0.1	0.2	0.1	3.2	0.1	33	42	98	1.4	6	30	-3	4.7	9	4.3	-1	-1	-10	-5	49	18	-10	-5
SK048	65.4	3	38.8	-0.2	60.9	64	3	-0.5	0	0.6	1.1	0.1	0.2	0.2	2.4	0.1	39	31	75	1.6	7	24	-3	4.1	9.7	4.2	-1	-1	-10	9	35	15	-10	-5
SK049	37.5	3	43.7	-0.2	54.9	71.2	7	-0.5	0	0.6	0.9	0.1	0.1	0.1	1.9	0.1	27	38	90	1.1	5	24	7	3.8	5.7	4	1	-1	-10	-5	36	9.9	-10	-5
SK050	22.7	-2	40.8	-0.2	67.3	45.4	3	-0.5	0	0.4	1	0	0.1	0	1.6	0.1	42	35	117	1.7	5	21	-3	1.8	2.2	4.7	2	-1	-10	7	24	5.5	-10	-5
SK051	3.3	5	8.4	-0.2	24.6	11.8	5	-0.5	0	0	0.3	0	0.1	0	0.5	0	16	16	40	0.5	3	13	-3	2.1	0.7	3.1	1	-1	-10	-5	17	1.7	-10	-5
SK052	8.9	9	34.5	-0.2	59.8	32.6	8	-0.5	0	0.8	1.4	0.1	0.3	0.1	2.4	0.1	48	48	517	2.2	10	30	-3	4.2	3.4	3	-1	-1	-10	-5	45	6.8	-10	-5

Storskarven DOB samples results

SK053	0.5	4	39.5	-0.2	83.7	16.7	5	-0.5	0	0.9	1.9	0	0.6	0.1	3.9	0.2	80	118	436	3.4	10	26	-3	3.9	8.2	4.2	2	-1	-10	-5	128	16	-10	8
SK056	233	15	614	0.6	45.6	29.6	8	0.8	0.2	10	15	0.5	4.8	1.6	34	0.7	451	399	###	20	78	260	-3	42	77	33	27	-1	-10	6	502	134	22	6
SK057	55.8	25	83.9	-0.2	24.9	16.6	5	-0.5	0	0.9	1.4	0.1	0.2	0.1	3.4	0.1	45	43	113	1.9	10	27	-3	3.9	9.7	2.9	2	-1	-10	6	46	19	-10	-5
SK059	62.2	5	25.9	-0.2	57.6	24.9	3	-0.5	0	0.6	1	0.1	0.1	0.1	2.2	0	36	39	61	1.5	3	17	-3	2.6	6.9	2.1	1	-1	-10	-5	18	13	-10	6
SK060	43.7	-2	30.5	-0.2	61.2	16.4	10	-0.5	0	0.9	1.2	0.1	0.1	0.2	3.1	0	36	48	89	1.7	5	26	-3	4.2	7.9	4.1	1	1	-10	-5	22	16	-10	8
SK061	18.5	3	12.4	-0.2	27.1	18.9	7	-0.5	0	0.4	1	0	0.1	0.1	1.3	0.1	43	42	47	1.7	2	13	-3	28	5.3	2.8	1	-1	-10	-5	46	15	-10	-5
SK062	7.5	4	12	-0.2	36.4	20.2	5	-0.5	0	1.3	1.7	0.1	0.5	0.2	4.6	0.1	61	69	296	2.5	11	41	-3	3.7	15	6.5	2	-1	-10	-5	53	25	-10	-5
SK063	12.1	5	18.8	-0.2	66.6	43.6	5	-0.5	0	1.1	1.7	0.1	0.4	0.2	5.4	0.1	50	56	103	2.1	9	38	-3	3.9	17	9.2	1	1	-10	-5	68	28	-10	5
SK065	17.9	6	53.1	0.2	36.4	12.5	13	-0.5	0	1	1.6	0.1	0.6	0.2	2.5	0.2	64	68	577	2.9	12	30	-3	5.6	3	3.5	2	2	-10	-5	82	7.4	-10	5
SK066	18.6	6	54.9	-0.2	49.4	18.6	9	-0.5	0	1	1.9	0	0.3	0.1	4.3	0.1	57	61	326	2.6	10	35	-3	4.8	17	3.4	2	-1	-10	-5	56	37	-10	8
SK067	15.1	5	49.5	-0.2	33.9	13.2	7	-0.5	0	1.3	2.5	0.1	0.3	0.2	3.5	0.2	67	78	199	3.3	11	46	-3	7.8	7.4	3.6	2	1	-10	-5	66	14	-10	6
SK069	7.9	16	68.4	0.4	9.7	3.4	8	-0.5	0	0.1	0.4	0.1	0.1	0.1	1.1	-0	3	12	24	0.3	1	10	-3	8.9	0.8	2.4	-1	1	-10	-5	28	2.8	-10	-5
SK070	8.8	9	30.7	-0.2	22.2	7.9	8	-0.5	0	0.6	1.1	0	0.3	0.1	1.7	0.1	44	41	128	1.6	5	22	-3	4.6	2.2	3.5	-1	1	-10	-5	36	6.4	-10	-5
SK072	17	5	45.1	-0.2	22.1	5.3	7	-0.5	0	1	1.8	0.1	0.6	0.2	2.7	0.1	47	72	256	2.3	11	39	-3	7.6	4.5	4.5	2	-1	-10	-5	68	12	-10	8
SK073	4.8	19	38.9	-0.2	12	5	10	-0.5	0	0.3	0.5	0.1	0.3	0.2	1	0.1	23	29	159	0.8	2	15	-3	7.5	1.4	2.5	-1	1	-10	-5	50	2.2	-10	-5
SK074	8.6	10	34.6	-0.2	34	12.9	4	-0.5	0	0.6	1.2	0.1	0.3	0.1	1.7	0.1	52	49	227	2.3	7	27	-3	5.3	2	2.9	2	-1	-10	-5	35	3.9	-10	-5
SK075	1	10	26.1	0.2	15.5	5.5	6	-0.5	0	0.3	0.5	0	0.1	0.1	0.8	0.1	26	39	116	1.2	3	18	-3	4.1	1.4	2.6	1	2	-10	-5	27	2.4	-10	-5
SK076	5.3	6	34.8	0.2	25.3	7.4	7	-0.5	0	0.8	1.4	0	0.5	0.1	1.9	0.2	57	51	190	2.3	6	27	-3	3.2	1.5	2.6	2	1	-10	6	61	2.9	-10	8
SK077	14.3	5	46.3	-0.2	41.7	13.2	8	-0.5	0	1.2	1.8	0.1	0.8	0.2	3.3	0.1	50	60	134	2.5	11	39	-3	7.6	8.1	5.3	2	-1	-10	-5	77	19	-10	6
SK078	0.7	5	25.6	-0.2	27.3	4.9	10	-0.5	0	0.5	0.8	0	0.3	0.1	1.3	0.2	56	53	146	1.7	4	19	-3	4.9	2	2.3	-1	-1	-10	-5	40	4.1	-10	-5
SK071	1.3	10	7.8	0.4	22.4	5.2	5	-0.5	0	0.1	0.2	0	0.1	0	0.6	0.1	22	17	196	0.3	1	7	-3	1.9	-1	0.9	-1	-1	-10	-5	32	1.2	-10	-5
SK080	11	-2	107	-0.2	40.9	10	12	-0.5	0	1.3	1.6	0.1	0.3	0.1	4.5	0.1	79	65	232	2.5	6	32	-3	2.2	5.8	2.2	1	-1	-10	-5	127	6.7	-10	-5
SK081	5	4	14.5	-0.2	22.9	5.5	7	-0.5	0	0.3	0.7	0.1	0	0.3	2.1	0	45	30	50	1.3	4	12	-3	3.4	8.2	1.6	1	-1	-10	-5	15	7.4	-10	-5
SK082	70.7	5	29.7	-0.2	44.1	15.8	8	-0.5	0	0.6	1.3	0.1	0.1	0.1	2.1	0.1	33	40	150	2	3	20	-3	4.3	5.2	4.8	2	1	-10	-5	20	14	-10	-5
SK083	18.7	10	52.7	-0.2	23.8	6.4	7	-0.5	0	1.4	2	0.1	1	0.1	7.8	0.2	98	91	391	3	13	41	5	5.8	8.5	4.7	2	-1	-10	-5	298	15	-10	-5
SK084	29.2	14	30.4	-0.2	17.3	3	8	-0.5	0	0.8	1.8	0.1	0.1	0.1	3.3	0.1	43	49	85	1.4	6	29	4	4	9.2	5.4	3	-1	-10	-5	31	21	-10	7
SK085	-0.5	4	21.2	-0.2	39.1	10	7	-0.5	0	0.8	1.2	0	0	0	1.5	0	47	46	68	2	4	23	-3	2.6	4.3	2.1	2	1	-10	-5	11	6.3	-10	-5
SK086	20.6	4	26.3	0.3	46.5	20.4	6	-0.5	0	0.7	1	0.1	0.2	0.2	2.5	0	24	26	258	1.5	6	26	-3	4.9	7.5	8.7	1	-1	-10	12	28	12	-10	-5
SK087	11.5	4	38.4	-0.2	27.9	12.6	10	-0.5	0	1	1.7	0.1	0.2	0.1	3.5	0.1	47	62	89	2.1	5	26	-3	3.3	5	4.2	1	1	-10	-5	66	9.8	-10	-5
SK002	4.4	4	14	0	0	0	0	-0.5	0	0	0.2	0	0.1	0.1	-1	0	5	6	23	0.2	-1	6	-3	5.6	0.6	1	1	-1	-10	-5	31	0.7	-10	-5
SK004	20.8	8	33.6	0	0	0	0	-0.5	0	0.8	1.3	0.1	0.1	0.1	2.7	0.1	44	64	138	2.4	7	32	-3	4.3	5.6	2.6	3	-1	-10	-5	25	6.1	-10	-5
SK005	51.3	6	37.1	0	0	0	0	-0.5	0	1.1	1.5	0.1	0.1	0.2	2.9	0.1	56	80	129	2.7	9	33	-3	4.7	6.3	3	1	-1	-10	-5	34	7.9	-10	-5
SK009	65.7	5	20.4	0	0	0	0	-0.5	0	0.1	0.7	0.1	0	0.1	1.1	0	15	15	17	0.7	2	8	-3	5.6	2.6	1.9	-1	-1	-10	-5	19	9.7	-10	-5
SK011	57	3	61.4	0	0	0	0	-0.5	0	0.7	1.1	0.1	0.2	0.1	2.5	0.1	42	59	173	2.1	6	21	-3	11	3.4	2.8	-1	-1	-10	-5	26	6.2	-10	-5
SK013	36	7	40	0	0	0	0	-0.5	0	1	1.5	0.1	0.3	0.2	2.9	0.1	36	63	121	2.1	8	34	-3	7.1	8.5	6.4	-1	-1	-10	-5	38	16	-10	-5
SK014	14.9	6	42.5	0	0	0	0	-0.5	0	1	1.7	0	0.2	0.1	2.5	0.1	69	59	107	3	8	32	-3	4.3	5.2	4.1	-1	-1	-10	-5	22	11	-10	-5

Storskarven DOB samples results

SK016	43.2	5	29.9	0	0	0	0	-0.5	0	0.4	0.7	0	0.2	0.1	1	0.1	28	49	126	1.1	3	15	-3	3.8	3.2	3.3	-1	-1	-10	-5	59	7.6	-10	-5
SK019	16.5	6	33.8	0	0	0	0	-0.5	0	0.7	1.4	0	0.2	0.1	2.1	0.1	39	56	190	2.1	5	23	-3	3.4	4.6	3.2	-1	-1	-10	-5	34	8.6	-10	-5
SK021	33	-2	38.7	0	0	0	0	-0.5	0	1.1	1.4	0.1	0.2	0.2	4.5	0.1	43	57	142	2	7	33	-3	4.7	12	8.8	2	-1	-10	-5	35	24	-10	-5
SK023	32.4	10	79.4	0	0	0	0	-0.5	0	1.4	2	0.1	0.3	0.2	5.2	0.1	85	92	362	3.5	12	30	-3	3.9	5.4	4.3	2	-1	-10	-5	59	6.2	-10	-5
SK026	19.8	4	35.5	0	0	0	0	-0.5	0	0.9	1.4	0	0.2	0.1	2.6	0.1	44	56	110	2.1	6	27	-3	2.8	4.1	2.9	-1	-1	-10	-5	22	9.9	-10	-5
SK028	119	5	76.8	0	0	0	0	-0.5	0	2.1	2.6	0.1	0.3	0.2	8.8	0.1	92	96	261	3.9	18	58	-3	5.2	13	6	-1	-1	-10	-5	47	20	-10	-5
SK031	21.3	5	30.2	0	0	0	0	-0.5	0	0.8	1.2	0.1	0.2	0.2	2.3	0.1	29	39	259	1.7	6	27	-3	5.7	7.5	5.1	-1	-1	-10	-5	31	14	-10	-5
SK035	15.5	3	24.7	0	0	0	0	-0.5	0	0.7	1	0.1	0.3	0.1	1.8	0.1	28	33	186	1.3	4	20	-3	4.6	5.1	3.7	-1	-1	-10	-5	50	12	-10	-5
SK038	11.6	6	44.3	0	0	0	0	-0.5	0	1	1.6	0.1	0.5	0.2	3.2	0.1	52	76	127	2.3	7	29	-3	5.4	6.5	3.7	1	-1	-10	-5	82	11	-10	-5
SK046	26.2	-2	24.2	0	0	0	0	-0.5	0	0.7	1.2	0.1	0.1	0.1	3.6	0	36	44	96	1.3	8	21	-3	3.4	9.6	2	-1	-1	-10	-5	36	16	-10	-5
SK054	26.6	4	64.4	0	0	0	0	-0.5	0	0.8	1.1	0.1	0.3	0.1	2.4	0.1	30	42	141	1.6	6	24	-3	4.2	4.8	3	-1	-1	-10	-5	48	8.6	-10	-5
SK055	49.2	5	68.7	0	0	0	0	-0.5	0	1.2	1.6	0.1	0.4	0.2	4	0.1	41	48	238	2.2	11	38	-3	5.1	9.3	4.7	2	-1	-10	-5	40	13	-10	-5
SK058	58.4	-2	53.1	0	0	0	0	-0.5	0	1.2	1.5	0.1	0.2	0.2	5	0	53	60	151	2.3	11	35	-3	4.6	7.1	2.6	-1	-1	-10	-5	37	14	-10	-5
SK064	18.4	-2	21.7	0	0	0	0	-0.5	0	1.1	1.5	0.1	0.3	0.2	4.9	0.1	56	53	114	2.4	9	34	-3	4.4	14	4.9	-1	-1	-10	-5	51	23	-10	-5
SK079	13.6	6	39.9	0	0	0	0	-0.5	0	0.9	1.5	0	0.2	0.1	2.4	0.1	52	44	111	2.7	5	25	-3	2.5	3.2	2.1	-1	-1	-10	-5	24	5.3	-10	-5
SK068	1.1	5	5.9	-0.2	39.1	31	3	-0.5	0	0.1	0.3	0	0.1	0	0.5	0	9	12	42	0.5	1	10	-3	2.7	2.6	2.2	1	-1	-10	-5	19	5.3	-10	-5

Storskarven Soil samples results

Sample Ident	Description	Grid E	Grid N	UTM E	UTM N	UTM_E_	UTM_N_	Be ppm by	Na % by	Mg % by	Al % by	P % by	K % by	Ca % by	Sc ppm by	Ti % by	V ppm by	Cr ppm by
						recalcul.	recalcul.	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70
SK 100	dark brown silty sand	11600	10785			631918 3	6961760.86	-0.5	0 02	0.78	1.69	0 03	0 21	0.05	3.3	0.07	45	56
SK 101	dark brown sandy silt	11600	10735			631900.09	6961714.14	-0.5	0.02	0.82	1.42	0.05	0.2	0.15	3.1	0.06	37	50
SK 102	dark brown sandy silt	11600	10710			631890.98	6961690 78	-0.5	0.02	0.64	1.36	0 04	0.15	0.08	2.8	0.06	33	45
SK 103	light brown fine sand	11600	10685			631881.87	6961667.42	-0.5	0 02	0.7	1.09	0.05	0.12	0.12	2.5	0.05	31	36
SK 104	light brown some dark spots coarse sand-silt	11600	10660			631872.76	6961644.06	-0.5	0 02	0.95	1.5	0.05	0.17	0.12	2.7	0.05	32	43
SK 105	light brown-beige fine sand-silt	11600	10635			631863 66	6961620.69	-0.5	0 02	1.05	1.71	0.04	0 23	0.08	3.3	0.05	41	51
SK 106	brown coarse-fine sand	11600	10600			631850 91	6961587.99	-0.5	0.02	0 84	1.34	0 04	0.19	0.09	2.6	0.06	32	44
SK 107	dark brown sandy	11600	10550			631832.7	6961541.27	-0.5	0.02	0.85	1.59	0.05	0.16	0.07	3.3	0.05	34	46
SK 108	light brown coarse-med sand	11600	10525			631823.59	6961517.9	-0.5	0.02	1	1.47	0.06	0.22	0.14	3	0.05	32	44
SK 109	light brown coarse sand	11600	10500			631814 48	6961494.55	-0.5	0.02	0.68	1.09	0.05	0.14	0.13	2.2	0.05	24	34
SK 110	light brown coarse sand	11600	10450			631796.26	6961447.82	-0.5	0.02	0.9	1.33	0.06	0.17	0.13	2.6	0.05	30	41
SK 111	dark brown fine-med sand	11600	10425			631787.16	6961424.46	-0.5	0.02	0.83	1.62	0.04	0.19	0.04	3 2	0 1	45	62
SK 112	light brown fine sand-silt	11600	10395	631769	6961390	631776.24	6961396.43	-0.5	0.02	0.81	1.18	0.06	0.15	0.14	2.3	0.04	26	36
SK 113	light brown (coarse) sand	11600	10370			631767.12	6961373.06	-0.5	0.02	0.87	1.28	0.06	0.19	0.14	2.7	0.05	30	39
SK 114	dark brown sandy silt	11600	10320	631743	6961312	631748.91	6961326 33	-0.5	0.02	0.56	1.09	0.02	0.13	0.04	2.3	0.07	36	41
SK 115	brown sandy	11600	10262	631724	6961264	631727.78	6961272.13	-0.5	0 02	1.05	1.51	0.04	0.2	0 09	2.7	0.05	34	49
SK 116	dark brown sandy silt	11600	10245			631721.59	6961256 25	-0.5	0.02	0.66	1.95	0 04	0 19	0.03	3.5	0 11	62	98
SK 117	light brown sandy silt	11600	10220			631712 48	6961232.88	-0.5	0.02	0.98	1.46	0.06	0.25	0.13	3	0.05	31	42
SK 118	dark brown silt	11600	10187			631700 46	6961202.05	-0.5	0.02	0.83	1.36	0.04	0.15	0.09	3.9	0.05	44	47
SK 119	dark brown sandy	11600	10162			631691.35	6961178.68	-0.5	0.02	0.6	1.06	0.05	0.08	0.09	3.5	0.05	39	45
SK 122	dark brown clay silt	11600	10312			631746	6961318 86	-0.5	0.02	1.24	2.04	0.06	0.21	0.05	7	0.05	65	68
SK 123	dark brown clay silt	11600	10362			631764.21	6961365.58	-0.5	0.02	0.74	1.47	0.04	0.14	0.08	2.7	0.06	31	44
SK 124	dark brown fine sand	11500	11000			631903.17	6961998.18	-0.5	0.02	0.87	1.5	0.04	0.2	0.13	3.3	0.07	41	51
SK 125	dark brown sandy silt	11500	10975			631894.07	6961974.81	-0.5	0.02	1.46	2.54	0.05	0.29	0.2	6.7	0.12	82	80
SK 126	dark brown sandy	11500	10950			631884.97	6961951.45	1	0.02	0.5	1.07	0.03	0.1	0.03	2.4	0.06	28	33
SK 127	light brown fine sand	11500	10925	631853	6961929	631875.85	6961928.1	-0.5	0.02	0.77	1.19	0.06	0.19	0 13	3.4	0.05	28	34
SK 128	dark brown sandy	11500	10900			631866.75	6961904.73	-0.5	0.02	0.65	1.12	0.04	0.14	0.09	2.3	0.05	26	34
SK 129	dark brown coarse to fine sand	11500	10875			631857.64	6961881 38	-0.5	0.02	0.45	0.86	0.02	0.09	0.03	1.4	0.06	30	27
SK 130	brown sandy silt	11500	10865			631854	6961872.03	-0.5	0.02	0.84	1.44	0.02	0.2	0.04	2.4	0.08	43	48
SK 131	dark brown sandy	11500	10850			631848.54	6961858.02	0.5	0.02	0.79	1.35	0.03	0.22	0.06	2.2	0.07	39	47
SK 132	dark brown sandy silt	11500	10825			631839.43	6961834.66	-0.5	0.02	0.68	1.58	0.06	0.15	0.05	2.8	0.05	36	47
SK 133	brown coarse sand	11500	10790	631802	6961809	631826.68	6961801.96	-0.5	0.02	0.51	0.89	0.04	0.11	0 1	1.6	0.04	19	26
SK 134	brown sandy silt	11500	10765			631817.57	6961778.6	-0.5	0.02	0.53	0.9	0.04	0.11	0.09	1.7	0.06	23	30
SK 135	dark brown medium sand	11500	10740			631808.47	6961755.23	-0.5	0.02	0 46	0.86	0.02	0.07	0 03	1.8	0 06	27	30
SK 136	dark brown sandy	11500	10715			631799.36	6961731.88	-0.5	0.02	0 69	1.32	0 03	0.15	0.03	2.5	0.06	33	45
SK 137	brown coarse sand	11500	10690			631790.25	6961708.51	-0.5	0.02	0.82	1.37	0.05	0.15	0.11	3.1	0.05	34	42
SK 138	dark brown silty	11500	10675			631784.79	6961694.5	-0.5	0.02	0.71	1.12	0.03	0.16	0.05	2 5	0.05	35	41
SK 139	dark brown coarse sand	11500	10650			631775 68	6961671.14	-0.5	0.02	0 89	1.45	0.06	0.2	0 13	3.1	0.07	35	51
SK 140	brown clay silt	11500	10625			631766.57	6961647.78	-0 5	0.02	0 64	1.13	0.02	0.13	0 03	2.1	0.06	34	39
SK 141	brown sandy silt	11500	10600			631757.47	6961624.42	-0.5	0.02	1 16	2.04	0.03	0.26	0.06	3.5	0.07	44	59
SK 142	dark brown sandy silt	11500	10575	631730	6961600	631748 36	6961601 06	-0 5	0 02	0 62	1.58	0 03	0.1	0 03	2.9	0 06	38	46
SK 143	light brown sandy	11500	10550			631739.25	6961577.7	-0.5	0.02	1.18	1.84	0.05	0.28	0.1	3.8	0.07	39	53
SK 144	light brown silty	11500	10525			631730.14	6961554.34	-0.5	0.02	0 84	1.21	0.05	0.15	0.13	2 8	0.05	29	39
SK 145	dark brown coarse sand	11500	10475			631711.93	6961507.62	-0.5	0.02	1.1	1.87	0.06	0.23	0.13	3.2	0.06	37	54
SK 146	brown sandy	11500	10537			631734 51	6961565.55	-0.5	0 02	0 98	1.43	0.06	0 17	0.14	3.1	0.06	34	44
SK 147	dark brown medium sand	11500	10562			631743.62	6961588.91	-0.5	0.02	0 84	1.41	0.05	0.16	0.09	3.5	0.06	33	45
SK 148	dark brown sandy silt-clay	11500	10587			631752.73	6961612.27	-0.5	0 02	0 62	1.35	0.03	0.13	0.05	3.1	0.05	31	42
SK 149	brown sand	11500	10612			631761.84	6961635.63	-0.5	0.02	0.63	1.43	0.02	0,1	0.03	2.4	0.05	25	37
SK 150	dark brown fine silt	11500	10637	631751	6961663	631770 94	6961658.99	-0.5	0.02	0 61	1.13	0.03	0.12	0.04	2.5	0.06	38	40
SK 151	brown-dark brown clay silt	11500	10662			631780.05	6961682.35	-0.5	0.02	0.72	1.29	0.03	0.13	0.06	2.4	0.05	29	40
SK 152	brown coarse sand	11400	11012			631814 12	6962045 81	-0.5	0.02	0 67	1.16	0.04	0.28	0.16	2	0.08	32	68
SK 153	light brown coarse-fine sand	11400	10987			631805 01	6962022.45	-0 5	0 02	0 53	1.01	0.05	0.11	0 1	2.2	0 04	23	28

Encl. no 5

Storskarven Soil samples results

SK 154	brown (medium) sand-silt	11400	10962			631795.9	6961999.1	-0.5	0.02	0.63	1.01	0.05	0.14	0.1	2.1	0.05	24	30
SK 155	brown sand	11400	10912	631770	6961962	631777.69	6961952.37	-0.5	0.02	0.74	1.22	0.05	0.15	0.12	2.5	0.04	26	33
SK 156	dark brown sandy silt	11400	10887			631768.58	6961929.02	-0.5	0.02	0.6	1.21	0.02	0.11	0.03	2	0.06	31	33
SK 157	dark brown coarse-fine sand	11400	10862			631759.47	6961905.66	-0.5	0.02	0.65	1.61	0.04	0.15	0.08	2.8	0.06	27	36
SK 158	dark brown sand+silt	11400	10837			631750.36	6961882.3	-0.5	0.02	0.63	1.23	0.03	0.14	0.04	2.3	0.05	29	37
SK 159	dark brown fine sand-silt	11400	10655			631684.06	6961712.24	-0.5	0.02	0.76	1.32	0.03	0.24	0.05	2.8	0.11	45	66
SK 160	dark brown silt+clay	11400	10630			631674.95	6961688.88	-0.5	0.02	0.11	1.5	0.09	0.02	0.02	3.3	0.02	7	29
SK 161	dark brown silty	11400	10605			631665.85	6961665.52	-0.5	0.02	0.65	1.27	0.03	0.16	0.05	2.5	0.06	31	38
SK 162	brown-dark brown silty	11400	10580			631656.74	6961642.16	-0.5	0.02	0.85	1.38	0.04	0.16	0.1	2.6	0.05	32	41
SK 163	dark brown fine sand+silty	11400	10555	631627	6961624	631647.63	6961618.8	-0.5	0.02	1.02	1.77	0.04	0.24	0.04	3.2	0.08	55	56
SK 164	brown fine sand-silt	11400	10530			631638.52	6961595.44	-0.5	0.02	1.02	2.2	0.07	0.14	0.07	5.3	0.04	42	52
SK 165	greyish medium sand	11400	10505			631629.41	6961572.08	-0.5	0.02	1.42	1.77	0.08	0.39	0.18	4.9	0.08	62	67
SK 166	brown medium sand silt	11400	10480			631620.31	6961548.72	-0.5	0.02	0.76	1.52	0.03	0.1	0.06	2.7	0.05	29	42
SK 167	dark brown sandy	11400	10455			631611.2	6961525.35	-0.5	0.02	0.72	1.25	0.02	0.16	0.05	1.7	0.06	35	51
SK 168	dark brown-black claiy silt	11400	10312			631559.1	6961391.73	-0.5	0.02	0.12	1.01	0.06	0.03	0.03	1.7	0.02	12	26
SK 169	brown sandy silt	11400	10287			631549.99	6961368.36	-0.5	0.02	0.59	0.91	0.05	0.11	0.13	1.8	0.04	19	27
SK 170	light brown-brown sandy	11400	10262			631540.87	6961345	0.6	0.02	0.84	1.29	0.05	0.16	0.12	2.3	0.05	28	41
SK 171	brown silty sand	11400	10237	631522	6961322	631531.77	6961321.63	-0.5	0.02	0.77	1.3	0.04	0.15	0.07	2.9	0.06	38	49
SK 172	light brown silt	11400	10212			631522.66	6961298.28	-0.5	0.02	0.82	1.21	0.06	0.15	0.15	2.8	0.04	27	39
SK 173	redbrown sandy soil	11565	10575			631809.1	6961577.38	-0.5	0.02	0.78	2.17	0.06	0.24	0.06	5.6	0.07	57	54

Storskarven Soil samples results

Mn ppm by	Fe % by	Co ppm by	Ni ppm by	Cu ppm by	Zn ppm by	As ppm by	Sr ppm by	Y ppm by	Zr ppm by	Mo ppm by	Ag ppm by	Cd ppm by	Sn ppm by	Sb ppm by	Ba ppm by	La ppm by	W ppm by	Pb ppm by	Bi ppm by	Au ppb by	Na ppm by	Ca % by
ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	ICP 70	NA-BAS	NA-BAS	NA-BAS
229	2.25	9	31	21.1	47.1	-3	3.8	10.6	3.6	2	0.2	-1	-10	-5	30	17.5	-10	6	-5	-5	16000	1
182	1.81	9	30	37.8	147	-3	6.6	9.7	3	-1	-0.2	-1	-10	-5	51	18	-10	7	-5	-5	17000	2
111	1.59	5	21	13.6	31.4	-3	4.6	6.5	3.9	-1	-0.2	-1	-10	-5	26	15.7	-10	4	-5	-5	14000	1
171	1.54	7	24	12.4	27.9	-3	5	6.5	4.3	-1	-0.2	-1	-10	-5	19	13.1	-10	2	-5	-5	16000	-1
127	1.86	9	30	32.2	36.7	-3	6	7.7	5.5	-1	-0.2	-1	-10	-5	29	15.9	-10	5	-5	-5	13000	-1
188	2.61	10	40	18.8	40.4	-3	4.7	7.9	9.5	-1	-0.2	-1	-10	-5	44	17	-10	6	-5	-5	11000	-1
116	1.67	7	28	14.6	34.9	-3	5.3	6.3	4.3	-1	-0.2	-1	-10	-5	32	12.2	-10	4	-5	-5	15000	-1
102	1.58	6	29	23.7	31.3	-3	4.4	15.6	3.9	-1	-0.2	-1	-10	-5	29	26.4	-10	6	-5	-5	14000	-1
242	1.91	9	40	23.5	39.7	-3	7.1	8.7	10.3	-1	-0.2	-1	-10	-5	40	15.5	-10	5	-5	-5	14000	1
117	1.35	5	25	20.7	27.3	-3	5.8	8	4.6	-1	-0.2	-1	-10	-5	21	13.6	-10	4	-5	-5	14000	-1
147	1.76	5	33	15.3	33.5	-3	6.4	8.4	6	-1	-0.2	-1	-10	-5	27	15.5	-10	4	-5	-5	13000	-1
101	2.27	6	26	9.8	34.8	-3	3.5	6.4	3.9	2	-0.2	-1	-10	-5	25	13.3	-10	8	-5	-5	16000	-1
120	1.52	6	28	15.1	30.8	-3	6.1	8	7.1	-1	-0.2	-1	-10	-5	26	14.1	-10	-2	-5	-5	16000	-1
223	1.7	8	34	23.8	32.2	-3	6	8.7	7.7	-1	-0.2	-1	-10	-5	31	14.5	-10	4	-5	-5	15000	1
115	1.77	4	19	15	23.8	-3	3.1	6.9	2.3	1	-0.2	-1	-10	-5	20	16.5	-10	5	-5	-5	13000	1
149	2.21	8	36	17	39.9	-3	5.5	7.6	5.2	-1	-0.2	-1	-10	-5	32	13.4	-10	6	-5	-5	12000	-1
36	2.99	9	18	10.8	13.4	-3	1.8	8.1	3.7	-1	-0.2	-1	-10	-5	20	11.3	-10	3	-5	-5	18000	1
286	1.91	9	39	26.1	37.8	-3	6.9	9.2	9.7	-1	-0.2	-1	-10	-5	48	15.2	-10	4	-5	-5	14000	-1
182	1.96	8	27	10	23.4	-3	4.2	7.5	2.8	-1	-0.2	-1	-10	-5	22	14.2	-10	-2	-5	-5	17000	-1
91	1.46	6	20	2.2	14.1	-3	3.3	7.1	2.1	-1	-0.2	-1	-10	-5	18	17.5	-10	2	-5	-5	24000	-1
89	2.39	10	39	20.4	12.7	-3	1.4	9.7	3.3	-1	-0.2	-1	-10	-5	28	24.9	-10	-2	-5	-5	26000	2
110	1.7	6	26	13.6	29.3	-3	4.7	6.8	3.5	-1	-0.2	-1	-10	-5	25	14.2	-10	5	-5	-5	13000	-1
165	2.06	7	30	13.1	37.5	-3	5.6	14.2	2.6	1	-0.2	-1	-10	-5	43	17.4	-10	4	6	-5	16000	1
328	3.25	14	50	11.8	73	-3	6.3	14.3	3	-1	-0.2	-1	-10	-5	61	19.1	-10	4	-5	-5	18000	2
104	1.38	5	16	14.1	28.7	-3	3.3	6	3.6	2	-0.2	-1	-10	-5	19	10.1	-10	5	-5	-5	14000	-1
237	1.55	8	31	31.2	36.8	-3	5.6	10.8	6.4	1	-0.2	-1	-10	-5	36	15.2	-10	4	-5	-5	16000	-1
96	1.27	5	22	14.5	25.7	-3	4.6	6.2	2.6	-1	-0.2	-1	-10	-5	23	11.8	-10	6	-5	-5	15000	-1
75	1.83	3	13	3.7	18.5	-3	2.9	2.5	2.7	-1	-0.2	-1	-10	-5	15	6.1	-10	6	-5	-5	12000	-1
148	1.94	8	26	10.3	34.1	-3	3.7	3.5	2.8	-1	-0.2	-1	-10	-5	33	7.5	-10	5	-5	-5	17000	1
123	1.79	6	25	11.7	31.5	-3	6.3	4.2	3.1	-1	-0.2	-1	-10	-5	58	9.3	-10	7	-5	-5	15000	-1
148	1.89	6	24	13.9	33.2	-3	3.9	8	2.2	-1	-0.2	-1	-10	-5	30	17	-10	5	-5	-5	12000	-1
99	1.1	4	17	8.9	25.5	-3	5.1	5.1	3.1	-1	-0.2	-1	-10	-5	18	9.9	-10	4	-5	-5	12000	1
81	1.17	4	16	7.9	30	-3	5	3.8	2.6	-1	-0.2	-1	-10	-5	20	9.2	-10	4	-5	-5	14000	-1
66	1.15	3	14	11.8	24.6	-3	3	3.5	1.7	1	-0.2	-1	-10	-5	15	7.7	-10	3	-5	-5	14000	-1
99	1.59	5	22	15.2	27.8	-3	3.4	3.9	2.7	-1	-0.2	-1	-10	-5	24	8.6	-10	5	-5	-5	14000	-1
199	2	8	30	20.1	33.8	-3	5.1	9.2	4.3	2	-0.2	-1	-10	-5	25	16.5	-10	3	-5	-5	13000	-1
101	1.56	6	24	7.6	25.8	-3	3.1	3.6	2.2	-1	0.2	-1	-10	-5	23	7.6	-10	4	-5	-5	16000	1
109	1.93	8	32	32.2	35.9	-3	6	10.1	8.6	1	-0.2	-1	-10	-5	41	16.2	-10	5	-5	-5	14000	-1
89	1.47	5	21	4.8	24.1	-3	2.9	3	2.6	-1	-0.2	-1	-10	-5	19	7	-10	3	-5	-5	13000	-1
138	2.43	9	43	19.7	49.8	-3	4.2	7.4	4.8	2	-0.2	-1	-10	-5	47	14.4	-10	6	9	-5	11000	-1
106	1.89	6	20	13.4	27.7	-3	4.3	5	3.2	-1	-0.2	-1	-10	-5	23	11	-10	10	-5	-5	13000	-1
215	2.29	10	44	325	125	-3	6.2	8.3	9.7	-1	0.2	-1	-10	-5	41	15.1	-10	18	-5	-5	12000	-1
114	1.7	7	26	233	59.4	-3	6.5	8	4.8	-1	-0.2	-1	-10	-5	24	14.4	-10	7	-5	-5	15000	-1
311	2.36	12	46	39.9	44.2	-3	6.4	9.2	6.5	1	-0.2	-1	-10	-5	42	20.1	-10	7	-5	-5	13000	-1
189	2.01	8	36	399	164	-3	7.1	8.4	7.1	-1	-0.2	-1	-10	-5	25	15.5	-10	10	-5	-5	14000	-1
109	1.87	6	28	274	100	-3	4.9	7.6	3.1	-1	-0.2	-1	-10	-5	22	13	-10	12	-5	-5	15000	-1
98	1.66	6	22	14.3	32.1	-3	3.8	6.5	3.4	3	0.2	-1	-10	-5	29	13.2	-10	4	-5	-5	14000	-1
112	1.86	5	20	8.4	27.2	-3	3.1	6.6	3	1	-0.2	-1	-10	-5	18	11.1	-10	5	-5	-5	12000	1
104	1.76	6	20	9.1	23	-3	3.1	4.2	2.2	-1	-0.2	-1	-10	-5	19	8.4	-10	4	-5	-5	14000	-1
124	1.72	5	24	10.1	28.1	-3	4.3	4.8	3	-1	-0.2	-1	-10	-5	21	10.6	-10	3	-5	-5	13000	-1
119	1.52	6	21	9.8	26.5	-3	6.7	7.9	2.3	-1	-0.2	-1	-10	-5	89	12.8	-10	3	-5	-5	12000	1
147	1.28	6	17	14.1	38.5	-3	5.5	8.9	1.9	-1	-0.2	-1	-10	-5	21	14.7	-10	3	-5	-5	12000	-1

Storskarven Soil samples results

171	1.34	6	24	17.4	28.2	-3	5.6	7.1	4.1	-1	-0.2	-1	-10	-5	24	13.4	-10	6	-5	-5	14000	-1
179	1.52	7	26	23.2	30.5	-3	5.8	7.7	4.6	-1	-0.2	-1	-10	-5	29	12.9	-10	5	-5	-5	15000	-1
128	1.94	6	20	9	29	-3	3.3	6	2.8	-1	-0.2	-1	-10	-5	19	11.3	-10	5	-5	-5	12000	1
216	1.98	7	22	15.7	39.5	-3	4.6	10.7	4.7	-1	-0.2	-1	-10	-5	25	21.3	-10	6	-5	-5	11000	1
89	1.49	4	19	15.7	27.6	-3	2.8	4.4	2	-1	-0.2	-1	-10	-5	23	9.5	-10	5	5	-5	14000	-1
87	1.84	6	26	3.5	31.6	-3	3.6	3.2	3.2	-1	-0.2	-1	-10	-5	26	7.2	-10	3	-5	-5	17000	-1
16	0.24	2	6	16.6	5.5	-3	1.8	9.7	0.7	-1	-0.2	-1	-10	-5	8	24.6	-10	3	-5	-5	6100	-1
95	1.56	5	21	9.5	26.9	-3	3.9	4.9	3.8	-1	0.3	-1	-10	-5	34	11.7	-10	5	-5	-5	13000	-1
125	1.77	7	28	14.3	32	-3	5.7	6.8	4.5	-1	-0.2	-1	-10	-5	32	12.8	-10	3	-5	-5	14000	1
144	2.13	8	32	89	53.9	-3	4.2	4.5	2.3	-1	-0.2	-1	-10	-5	35	8.9	-10	3	-5	-5	15000	1
146	2.42	8	29	539	133	-3	4	14	2.1	2	0.2	-1	-10	-5	23	17.9	-10	5	-5	-5	12000	-1
152	2.67	7	34	366	83.8	-3	4.6	7.9	3	-1	-0.2	-1	-10	-5	82	14.7	-10	-2	-5	-5	33000	2
128	1.79	8	25	12.9	33.2	-3	4.2	8	2.8	-1	-0.2	-1	-10	-5	20	13.8	-10	4	-5	-5	14000	-1
111	1.69	6	22	11.4	56.8	-3	3.6	3.1	2.3	-1	-0.2	-1	-10	-5	35	7.3	-10	4	-5	-5	13000	-1
17	0.63	-1	7	11.7	7.7	-3	2	6.3	1.8	-1	-0.2	-1	-10	-5	13	16.7	-10	3	-5	-5	10000	-1
71	1.1	4	20	10.7	21	-3	5.6	6.8	4	-1	-0.2	-1	-10	-5	17	12	-10	3	-5	-5	14000	1
103	1.61	6	29	11.4	31.2	-3	5.8	7.3	4	-1	-0.2	-1	-10	-5	24	14.1	-10	-2	-5	-5	12000	-1
161	1.74	6	27	8.3	30.4	-3	3.7	5.4	2.2	2	0.2	-1	-10	-5	22	11.8	-10	4	-5	-5	14000	-1
98	1.51	7	29	12.7	28.6	-3	6.5	7.7	5.2	2	-0.2	-1	-10	-5	22	15.4	-10	5	-5	-5	15000	-1
139	5.25	3	8	491	236	-3	2.7	14.6	5.4	23	1.6	-1	-10	-5	30	23.4	-10	439	10	-5	24000	1

Storskarven Soil samples results

Sc ppm by	Cr ppm by	Fe % by	Co ppm by	Ni ppm by	Zn ppm by	As ppm by	Se ppm by	Br ppm by	Rb ppm by	Sr ppm by	Mo ppm by	Ag ppm by	Sb ppm by	Cs ppm by	Ba ppm by	La ppm by	Ce ppm by	Nd ppm by	Sm ppm by	Eu ppm by	Tb ppm by	Yb ppm by
NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS
12	110	3.3	-5	-100	130	3	-5	25	50	-500	-5	-5	-0.2	4	370	25	64	21	4.2	1	-0.5	2.1
11	92	3	-5	-100	260	-2	-5	12	54	-500	-5	-5	-0.2	-3	350	28	63	18	4.5	1	1.8	2.4
10	86	2.7	-5	-100	110	-2	-5	32	61	-500	-5	-5	-0.2	-3	290	25	47	20	3.7	0.4	-0.5	2.1
9	74	2.5	-5	-100	-50	-2	-5	10	32	-500	-5	-5	0.2	-3	290	21	47	15	3.3	0.8	-0.5	2
11	79	2.7	-5	-100	-50	-2	-5	14	78	-500	-5	-5	-0.2	-3	340	22	48	20	3.7	0.7	-0.5	2
10	84	3.4	-5	-100	-50	3	-5	13	72	-500	-5	-5	-0.2	-3	320	23	49	18	3.7	0.8	-0.5	1.8
11	87	2.6	-5	-100	120	-2	-5	10	68	-500	-5	-5	-0.2	-3	260	22	43	18	3.6	0.7	-0.5	2.2
11	83	2.3	-5	-100	130	-2	-5	7	51	-500	-5	-5	-0.2	-3	310	33	76	22	4.5	1	1.7	2.5
11	85	2.8	-5	-100	-50	-2	-5	5	79	-500	-5	-5	-0.2	3	450	23	51	21	4	-0.2	-0.5	2.4
9	72	2.1	-5	-100	-50	-2	-5	13	34	-500	-5	-5	-0.2	-3	270	22	53	19	3.8	0.8	-0.5	2.2
9	80	2.5	-5	-100	-50	-2	-5	8	46	-500	-5	-5	-0.2	-3	330	22	45	16	3.7	0.5	-0.5	2
12	120	3.4	-5	-100	110	-2	-5	22	51	-500	-5	-5	-0.2	4	410	20	43	19	3.2	0.7	-0.5	1.6
11	80	2.6	-5	-100	-50	-2	-5	5	48	-500	-5	-5	-0.2	4	400	23	49	21	4	0.8	-0.5	2.1
11	83	2.7	-5	-100	-50	-2	-5	6	53	-500	-5	-5	-0.2	4	270	22	48	24	3.9	0.5	1.3	2.2
10	80	2.7	-5	-100	-50	-2	-5	19	48	-500	-5	-5	-0.2	-3	250	26	48	20	3.9	0.8	0.8	1.8
11	96	3.2	-5	-100	110	-2	-5	10	78	-500	-5	-5	-0.2	3	390	21	40	15	3.5	0.6	-0.5	2
7	120	3.8	-5	-100	-50	-2	-5	38	41	-500	-5	-5	-0.2	-3	-100	17	39	13	2.8	0.6	-0.5	1.6
12	91	2.8	-5	-100	-50	-2	-5	5	62	-500	-5	-5	-0.2	-3	300	23	56	23	4.1	0.9	-0.5	2.6
11	83	3	-5	-100	-50	-2	-5	13	77	-500	-5	-5	-0.2	-3	230	21	40	18	3.3	0.7	-0.5	1.7
11	87	2.8	-5	-100	-50	-2	-5	20	-30	-500	-5	-5	-0.2	-3	130	23	41	16	3.4	0.6	-0.5	1.6
14	97	3.4	-5	-100	-50	-2	-5	28	-30	-500	-5	-5	-0.2	-3	140	27	44	17	3.5	1.6	-0.5	2
10	84	2.5	-5	-100	-50	-2	-5	25	51	-500	-5	-5	-0.2	-3	290	22	45	17	3.3	-0.2	-0.5	1.9
11	86	3	-5	-100	-50	-2	-5	15	-30	-500	-5	-5	-0.2	-3	400	26	65	22	4.9	1.1	-0.5	3
15	120	4.4	-5	-100	120	-2	-5	14	41	-500	-5	-5	-0.2	-3	220	26	91	23	4.6	1.2	-0.5	2.6
10	79	2.4	-5	-100	-50	-2	-5	18	41	-500	-5	-5	0.4	-3	270	19	39	16	3.2	0.8	-0.5	2
11	77	2.7	-5	-100	-50	-2	-5	5	36	-500	-5	-5	-0.2	-3	390	26	57	22	5	1.5	1.5	2.8
10	70	2	-5	-100	130	-2	-5	9	53	-500	-5	-5	-0.2	-3	320	21	46	16	3.4	0.9	-0.5	1.9
8	69	2.7	-5	-100	150	-2	-5	19	50	-500	-5	-5	-0.2	-3	270	14	27	13	2.1	0.5	-0.5	1.7
11	96	3	-5	-100	-50	-2	-5	14	-30	-500	-5	-5	-0.2	3	220	16	32	15	2.6	0.7	-0.5	1.6
10	89	2.8	-5	-100	-50	-2	8	14	-30	-500	-5	-5	-0.2	-3	340	19	40	13	3	-0.2	-0.5	1.9
9	81	2.5	-5	-100	100	-2	-5	22	52	-500	-5	-5	-0.2	-3	300	22	43	14	3.4	0.8	-0.5	1.7
7	56	1.8	-5	-100	-50	-2	-5	12	49	-500	-5	-5	-0.2	-3	300	18	37	16	2.8	0.7	-0.5	1.8
9	74	2.1	-5	-100	-50	-2	-5	9	87	-500	-5	-5	-0.2	-3	160	20	40	17	3.2	0.8	-0.5	2
9	71	2	-5	-100	110	-2	-5	11	59	-500	-5	-5	-0.2	-3	370	16	31	-10	2.5	0.4	-0.5	1.8
10	90	2.4	-5	-100	-50	-2	-5	21	32	-500	-5	-5	-0.2	-3	340	16	32	15	2.6	0.6	-0.5	1.6
10	82	2.9	-5	-100	-50	2	-5	16	55	-500	-5	-5	-0.2	-3	250	25	50	19	4.2	1.1	-0.5	2
10	78	2.6	-5	-100	-50	-2	-5	11	38	-500	-5	-5	-0.2	-3	300	14	30	10	2.4	0.6	-0.5	1.6
10	94	2.8	-5	-100	-50	-2	-5	11	76	-500	-5	-5	-0.2	4	430	24	49	15	4.1	1	1.2	2.3
9	72	2.3	-5	-100	-50	-2	-5	13	-30	-500	-5	-5	-0.2	-3	250	13	28	-10	2.3	0.6	-0.5	1.4
12	110	3.3	-5	-100	-50	-2	-5	19	60	-500	-5	-5	-0.2	3	370	22	44	19	3.5	0.6	-0.5	2
10	81	2.8	-5	-100	130	-2	-5	36	37	-500	-5	-5	-0.2	-3	240	16	34	15	2.9	0.4	-0.5	1.7
12	94	3.1	-5	-100	210	-2	-5	8	95	-500	-5	5	-0.2	-3	420	22	48	20	4.2	1	-0.5	2.2
11	83	2.7	-5	-100	120	-2	-5	6	60	-500	-5	-5	-0.2	-3	460	24	50	24	4.4	0.9	-0.5	2.3
12	100	3.4	-5	-100	-50	3	-5	20	63	-500	-5	-5	-0.2	4	330	28	81	23	4.5	1.1	-0.5	2
12	94	3	-5	-100	250	-2	-5	5	63	-500	-5	-5	-0.2	-3	390	25	55	23	4.4	0.8	-0.5	2.5
12	85	2.8	-5	-100	180	-2	-5	12	60	-500	-5	-5	-0.2	3	260	20	50	23	4.8	1.1	0.9	2.3
10	84	2.5	-5	-100	-50	-2	-5	27	62	-500	-5	-5	-0.2	-3	260	20	41	15	3.3	0.7	-0.5	1.5
9	78	2.8	-5	-100	-50	-2	-5	30	55	-500	-5	-5	-0.2	-3	330	18	50	16	3.2	0.5	-0.5	1.9
10	81	2.6	-5	-100	-50	-2	-5	18	51	-500	-5	-5	-0.2	-3	290	15	31	12	2.3	0.3	-0.5	1.6
10	82	2.7	-5	-100	-50	-2	-5	16	51	-500	-5	-5	-0.2	-3	230	18	41	18	3	0.7	-0.5	1.6
10	120	2.6	-5	-100	-50	-2	-5	12	34	-500	-5	-5	-0.2	-3	370	27	56	21	4.6	0.9	0.9	2.7
9	61	2.2	-5	-100	-50	-2	-5	11	56	-500	-5	-5	-0.2	-3	430	25	58	24	4.9	0.8	1.4	2.7

Storskarven Soil samples results

9	68	2.3	-5	-100	-50	-2	-5	9	60	-500	-5	-5	-0.2	-3	320	22	55	18	3.8	0.5	-0.5	2.3
10	70	2.5	-5	-100	-50	-2	-5	10	40	-500	-5	-5	-0.2	3	410	22	58	19	3.8	0.6	-0.5	2.2
9	70	2.9	-5	-100	-50	3	-5	20	36	-500	-5	-5	-0.2	-3	310	20	42	12	3.1	1.1	-0.5	2
10	68	2.8	-5	-100	-50	-2	-5	36	68	-500	-5	-5	-0.2	-3	370	32	84	24	5.1	1.2	-0.5	2.6
10	77	2.2	-5	-100	-50	-2	-5	21	38	-500	-5	-5	-0.2	-3	210	17	34	16	2.7	0.5	0.8	1.8
10	110	3	-5	-100	-50	3	-5	10	76	-500	-5	-5	-0.2	-3	240	15	28	12	2.3	0.8	0.8	1.4
7	44	0.7	-5	-100	-50	-2	-5	31	-30	-500	-5	-5	-0.2	-3	160	23	46	18	3	0.8	-0.5	0.9
10	78	2.4	-5	-100	-50	-2	-5	17	42	-500	-5	-5	-0.2	-3	250	20	41	17	3.2	0.7	-0.5	1.8
12	85	2.8	-5	-100	-50	-2	8	13	87	-500	-5	-5	-0.2	-3	370	22	48	20	3.8	0.8	-0.5	2.2
12	94	3.2	-5	-100	-50	-2	-5	23	38	-500	-5	-5	-0.2	-3	330	17	34	15	2.6	0.5	-0.5	1.4
15	90	3.5	-5	-100	180	-2	-5	41	33	-500	-5	-5	-0.2	4	180	23	62	24	7.2	1.3	-0.5	2.8
13	110	4.6	-5	-100	-50	-2	-5	13	-30	-500	-5	-5	-0.2	-3	220	23	52	23	4.3	1.3	-0.5	1.7
11	92	2.8	-5	-100	-50	-2	-5	25	45	-500	-5	-5	-0.2	-3	350	23	58	19	4.3	0.9	1.5	2.1
10	110	2.8	-5	-100	110	-2	-5	11	67	-500	-5	-5	-0.2	-3	290	15	33	13	2.5	0.6	-0.5	1.8
7	49	1	-5	-100	-50	-2	-5	39	31	-500	-5	-5	-0.2	-3	230	17	29	-10	2.4	0.5	-0.5	1.2
9	64	2	-5	-100	-50	-2	-5	4	54	-500	-5	-5	-0.2	-3	300	20	44	20	3.5	0.8	1.1	2
10	80	2.3	-5	-100	-50	-2	-5	8	58	-500	-5	-5	-0.2	-3	310	20	38	15	3.5	0.6	-0.5	1.9
10	89	2.6	-5	-100	-50	-2	-5	10	53	-500	-5	-5	-0.2	-3	320	18	34	15	2.8	0.5	-0.5	1.6
10	81	2.4	-5	-100	-50	-2	-5	6	59	-500	-5	-5	-0.2	-3	310	23	49	18	4.1	0.9	-0.5	2.2
13	95	6.4	-5	-100	330	2	18	38	35	-500	22	-5	-0.2	-3	190	29	57	18	5.3	1.2	0.9	2

Storskarven Soil samples results

Lu ppm by	Hf ppm by	Ta ppm by	W ppm by	Ir ppm by	Hg ppm by	Th ppm by	U ppm by
NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS	NA-BAS
0.33	6	1	-4	-20	-1	12	2.5
0.37	7	-1	-4	-20	-1	11	2.9
0.28	7	2	-4	-20	-1	11	2.3
0.34	7	1	-4	-20	-1	6.9	2.3
0.34	7	-1	-4	-20	-1	7.4	1.8
0.24	5	2	-4	-20	-1	9.3	3.1
0.32	8	2	-4	-20	-1	6.4	-0.5
0.37	6	-1	-4	-20	-1	8.8	3.5
0.3	7	2	-4	-20	-1	10	2.1
0.34	8	1	-4	-20	-1	8.7	1.8
0.31	6	-1	-4	-20	-1	6.8	1.1
0.27	6	-1	-4	-20	-1	11	4
0.35	8	2	-4	-20	-1	8.6	1.7
0.33	7	2	-4	-20	-1	10	1.9
0.27	7	2	-4	-20	-1	8.2	2.2
0.31	6	2	-4	-20	-1	7.7	1.3
0.23	7	-1	-4	-20	-1	15	2.9
0.37	7	-1	-4	-20	-1	9.2	2.3
0.21	5	1	-4	-20	-1	8	1.9
0.3	6	-1	-4	-20	-1	8.2	2.4
0.27	4	2	-4	-20	-1	9.4	4.1
0.29	7	-1	-4	-20	-1	9.2	2.6
0.43	8	2	-4	-20	-1	8.9	2.9
0.35	5	-1	-4	-20	2	11	3.4
0.3	8	1	-4	-20	-1	9.4	2.2
0.41	8	2	-4	-20	-1	11	3.4
0.29	6	2	-4	-20	-1	7.3	2
0.26	8	1	-4	-20	-1	5.5	2.6
0.27	7	2	-4	-20	-1	8.6	2.3
0.31	7	-1	-4	-20	-1	7.7	2.2
0.25	6	-1	-4	-20	-1	10	3.3
0.29	8	-1	-4	-20	-1	6.3	1.8
0.28	7	2	-4	-20	-1	6.2	1.6
0.26	8	2	-4	-20	-1	7	2.6
0.24	6	1	-4	-20	-1	8.2	2
0.32	8	-1	-4	-20	-1	9.1	3.5
0.26	7	1	-4	-20	-1	7.2	2.6
0.34	7	-1	-4	-20	-1	9.3	3
0.2	7	1	-4	-20	-1	6.8	1.8
0.29	6	1	-4	-20	-1	10	2.1
0.25	7	2	-4	-20	-1	10	-0.5
0.3	6	3	-4	-20	-1	9.1	2.5
0.35	7	1	-4	-20	-1	6.5	1.8
0.31	6	2	-4	-20	-1	11	2.4
0.35	8	-1	-4	-20	-1	10	1.9
0.32	7	-1	-4	-20	-1	10	3.4
0.27	7	2	-4	-20	-1	11	3
0.28	7	2	-4	-20	-1	10	2.2
0.24	7	-1	-4	-20	-1	7.4	1.9
0.27	6	1	-4	-20	-1	7.2	2.2
0.39	9	-1	-4	-20	-1	9.2	3.8
0.38	8	2	-4	-20	-1	8.9	2.7

Storskarven Soil samples results

0.33	7	-1	-4	-20	-1	8.7	2.1
0.29	6	-1	-4	-20	-1	9.1	1.8
0.28	7	-1	-4	-20	-1	9.2	2.2
0.37	8	-1	-4	-20	-1	14	1.9
0.22	6	1	-4	-20	-1	7.4	1.7
0.26	7	2	-4	-20	-1	5.5	2.2
0.14	2	-1	-4	-20	-1	7.1	3.7
0.24	7	2	-4	-20	-1	8.4	1.8
0.33	8	-1	-4	-20	-1	8.6	3.8
0.23	6	-1	-4	-20	-1	9.1	3.3
0.33	4	-1	-4	-20	-1	12	3.9
0.24	5	-1	-4	-20	-1	10	1.9
0.31	7	3	-4	-20	-1	10	2
0.27	7	1	-4	-20	-1	6.7	1.6
0.18	5	-1	-4	-20	-1	7.5	5
0.3	8	-1	-4	-20	-1	7	2
0.28	7	2	-4	-20	-1	6.1	2.2
0.25	7	-1	-4	-20	-1	6.9	3.4
0.31	8	3	-4	-20	-1	8	1.7
0.27	4	-1	-4	-20	-1	11	7.5

Klinkenberg-Storskarven Rock sample Results

Sample Iden	District	Prospect	Prospect no	UTM- E	UTM-N	Au	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe
Scheme Code						FA301	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Analysis Unit						ppb	ppm	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	%
Detection Limit						1	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.01	2	1	2	0.01
399589	Holtålen	Gjårdvola	39 Float	637949	6968401	267	-0.5	0.08	0.32	0.9	0.04	0.04	0.5	1.3	0.02	37	52	55	8.67
399590	Holtålen	Gjårdvola	39	638027	6967881	18	-0.5	0.05	1.95	2.26	0.08	1.25	0.2	5.5	0.1	70	163	262	4.81
399591	Holtålen	Gjårdvola	39 Float	638026	6967881	469	-0.5	0.06	1.48	1.75	0.04	1.16	0.11	8	0.1	78	148	338	5.19
399592	Holtålen	Gjårdvola	39 Float	638331	6967085	24	-0.5	0.05	3.41	4.58	0.15	2.37	0.33	7.4	0.24	185	231	492	7.17
399593	Holtålen	Gjårdvola	39	638387	6966884	482	-0.5	0.03	2.17	3.04	0.06	1.33	0.08	6.9	0.15	106	141	286	8.03
399594	Holtålen	Gjårdvola	39	639452	6965663	758	-0.5	-0.01	0.04	0.22	-0.01	0.01	-0.01	-0.5	-0.01	43	22	82	>15
400613	Røros E.	Storskarven	158 Float	631463	6961457	89	-0.5	0.05	2.49	3.21	0.15	0.02	0.5	6.9	0.05	140	171	280	6.75
400614	Røros E.	Storskarven	158	631736	6961573	30	-0.5	0.03	2.68	3.57	0.05	0.07	0.16	4.7	0.04	112	187	575	7.56
400615	Røros E.	Storskarven	158	631736	6961573	122	-0.5	0.02	0.82	1.15	-0.01	0.03	0.03	1.8	0.02	45	169	183	7.08
400130	Røros E	Litlskarven	158W	627631	6963953	95	-0.5	0.05	0.73	1.25	0.1	0.18	0.35	4.5	0.04	27	103	172	4.47
400131	Røros E	Litlskarven	158W	628435	6963409	-1	-0.5	0.03	3.43	5.19	0.09	0.02	0.32	7.1	0.03	246	250	297	12.6
400132	Røros E	Mold.skarv.	158SW	629204	6962155	88	-0.5	0.03	2.84	3.55	0.37	0.88	0.83	4	0.1	149	83	354	7.47
400133	Røros E	Storskarven	158	630558	6963203	-1	-0.5	0.11	0.54	0.72	0.11	0.05	0.93	5.1	0.11	68	89	275	2.45
400134	Røros E	Storb.hgd.	158SE	632190	6961464	-1	-0.5	0.02	1.77	2.18	0.05	0.3	0.13	4.8	0.04	57	172	545	4.3
400140	Røros E	Storb.hgd.	158SE	632150	6961475	-1	-0.5	0.02	2.83	3.79	0.11	0.76	0.19	12.7	0.09	252	115	437	8.39
400144	Røros E	Storskarven	158	631184	6961029	35	-0.5	0.08	2.2	3.1	0.11	2.06	0.39	7.7	0.24	185	150	204	7.58
400145	Røros E	Storskarven	158 loc.gr			185	-0.5	0.09	0.74	1.17	0.02	0.06	0.86	7.4	0.06	84	133	503	5.11

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Klinkenberg-Storskarven Rock sample Results

Co	Ni	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W	Pb	Bi	Ag	Cu	Zn	Ag
ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICAY50	ICAY50	ICAY50	AA73
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
1	1	0.5	0.5	3	0.5	0.5	0.5	1	0.2	1	10	5	1	0.5	10	2	5	0.01	0.01	0.01	0.3
35	6	>10000	2990	-3	2.1	2.5	5.2	-1	8.8	4	-10	-5	4	*INF	-10	40	*INF	-3000	-3000	1.34	18.3
24	104	1220	276	-3	8.7	5.4	8.1	2	0.7	-1	-10	-5	81	9.5	-10	25	*INF	-3000	-3000	-3000	-3000
17	15	>10000	1770	-3	4.6	8.8	11.3	12	5.8	5	-10	-5	75	21.9	-10	492	*INF	-3000	1.71	-3000	-3000
25	77	2490	1040	-3	8.9	4.3	7.6	1	3.8	2	-10	-5	312	7.8	-10	204	*INF	-3000	-3000	-3000	-3000
21	16	>10000	723	-3	4.8	3.7	7	2	9.9	3	-10	-5	149	*INF	-10	10	*INF	-3000	1.88	-3000	-3000
14	4	>10000	6300	-3	-0.5	2.6	19.6	4	>10	34	71	-5	1	*INF	-10	96	*INF	-3000	-3000	-3000	-3000
25	16	6680	476	-3	6.5	7.6	6.5	1	3.8	1	-10	-5	2	1.4	-10	4	*INF	-3000	-3000	-3000	-3000
28	59	5150	772	-3	5.5	4.1	6.5	28	4.9	2	-10	-5	9	6.7	-10	4	*INF	-3000	-3000	-3000	-3000
40	11	>10000	650	-3	2.1	1.2	4.5	15	>10	5	12	-5	2	0.6	-10	8	*INF	25.1	4.1	-3000	25.1
11	-1	8010	56.9	-3	5.8	36.9	2.7	8	1.6	-1	-10	-5	14	17.8	-10	-2	INF	-3000	-3000	-3000	-3000
124	101	1990	126	-3	2.5	4.4	2.4	1	0.2	7	-10	9	3	*INF	-10	-2	INF	-3000	-3000	-3000	-3000
42	13	>10000	5740	-3	7.8	9.5	1.8	-1	3.8	29	-10	-5	141	14.1	-10	-2	INF	-3000	1.14	-3000	-3000
21	55	216	53	-3	10.9	7.9	0.8	-1	0.2	-1	-10	-5	6	4.6	-10	-2	-5	-3000	-3000	-3000	-3000
21	32	2	48.6	-3	1.5	4.1	5.5	2	0.2	-1	-10	-5	23	10.3	-10	-2	-5	-3000	-3000	-3000	-3000
28	20	339	87	-3	1.4	5.4	2.3	1	0.2	3	-10	-5	86	*INF	-10	-2	-5	-3000	-3000	-3000	-3000
31	18	2870	39.2	-3	2.9	5.1	1.5	-1	1.2	3	-10	-5	203	15.8	-10	-2	INF	-3000	-3000	-3000	-3000
16	30	>10000	494	-3	7	3.4	1.1	-1	>10	6	-10	-5	5	8.9	-10	-2	INF	10	2.36	-3000	10.4