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Tittel

Exploration in Meråker North-Eastern Ore Field, 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
Meråker	Sør-Trøndelag		17211 17222	Trondheim

Fagområde	Dokument type	Forekomster (forekomst, gruvefelt, undersøkelsesfelt)
Geologi Geofysikk Geokjemi		Meråker østgruvefelt, Fjergen vest, Fjergen nord, Funnsjoen
Råstoffgruppe: Malm/metall	Råstofftype: Zn Cu	

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse

None of the targets in Meråker North East ore field warrants any immediate follow up. In case some targets in the same geological environment in Meråker South Eastern ore field give some positive results, the targets in Meråker North Eastern ore field should be reassessed.

The meråker area hosts Zn mineralizations of very high quality and Zn content. It is often medium to coarsegrained with low content of Pb and Cd. The sphalerite mineralizations will yield modest to insignificant EM anomalies, wich should be kept in mind for all further follow up.

EXPLORATION IN

MERÅKER NORTH-EASTERN ORE FIELD, RØROS

NORWAY

2001 Bernt Røsholt,
Rune Wilberg

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1. Summary of results of ore samples from Meråker North-East ore field 1998
2. Assay results 2000 of Auger soil samples, Meråker.
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4. VLF and Mag survey, no 99 Funnsjøen target, NGU.
5. Assay results 2000 of stream sediment samples samples, Meråker.
6. Field reports Wilberg Sept and Nov 2000.

Røros-Meråker District

Fig. 1

Overview of the Exploration in Meråker NE Ore field, Røros 1998-2001

Summary, background.

This paper gives a presentation of the Meråker North-East ore field. First a short history of the mining is given, followed by a description of the geological setting regionally and locally. In 1998 an exploration campaign was started with a detailed mapping and sampling of all mines and prospects of the area. This basic study was followed up in 2000 by reprocessing of a helicopter survey from 1992 (NGU Norwegian Geological Survey) covering 820 km^2. The helicopter survey produced several combined EM/Mag anomalies over known mineralizations, close to known mineralizations and in virgin areas. Some of the anomalies have been followed up by geophysical ground surveys and deep soil sampling in 2000 and 2001. This report describes the targets up to the drilling stage or to a conclusive status.

The Meråker North-East ore field, Røros, is located in the Røros-Meråker Mining Province, Central Norway; see fig. 1. This ore field, fig. 3, is located 110-130 km NNE of Røros Town. None of the described claims are significant, but the ore field is regarded to host a Zn potential and the ore type also contain some elevated gold contents. The seven claims from Meråker NE ore field are listed as follows, (See fig 3 and Enclosure no 1): 81 Stadåsen, 82 Geitberget (Fallslettet), 83 Statsåsgrubba, 84 Skarbekken, 85 Hammerskallen, 86 Skomakermoen and 87 Øyan.

The Meråker area is also covered by some 1600 soil samples collected by NGU (Norwegian Geological Survey), which were sampled in a 2x0,5 km grid. No precious elements assays are conducted on the samples. Sample pulps are still available. See fig 2.

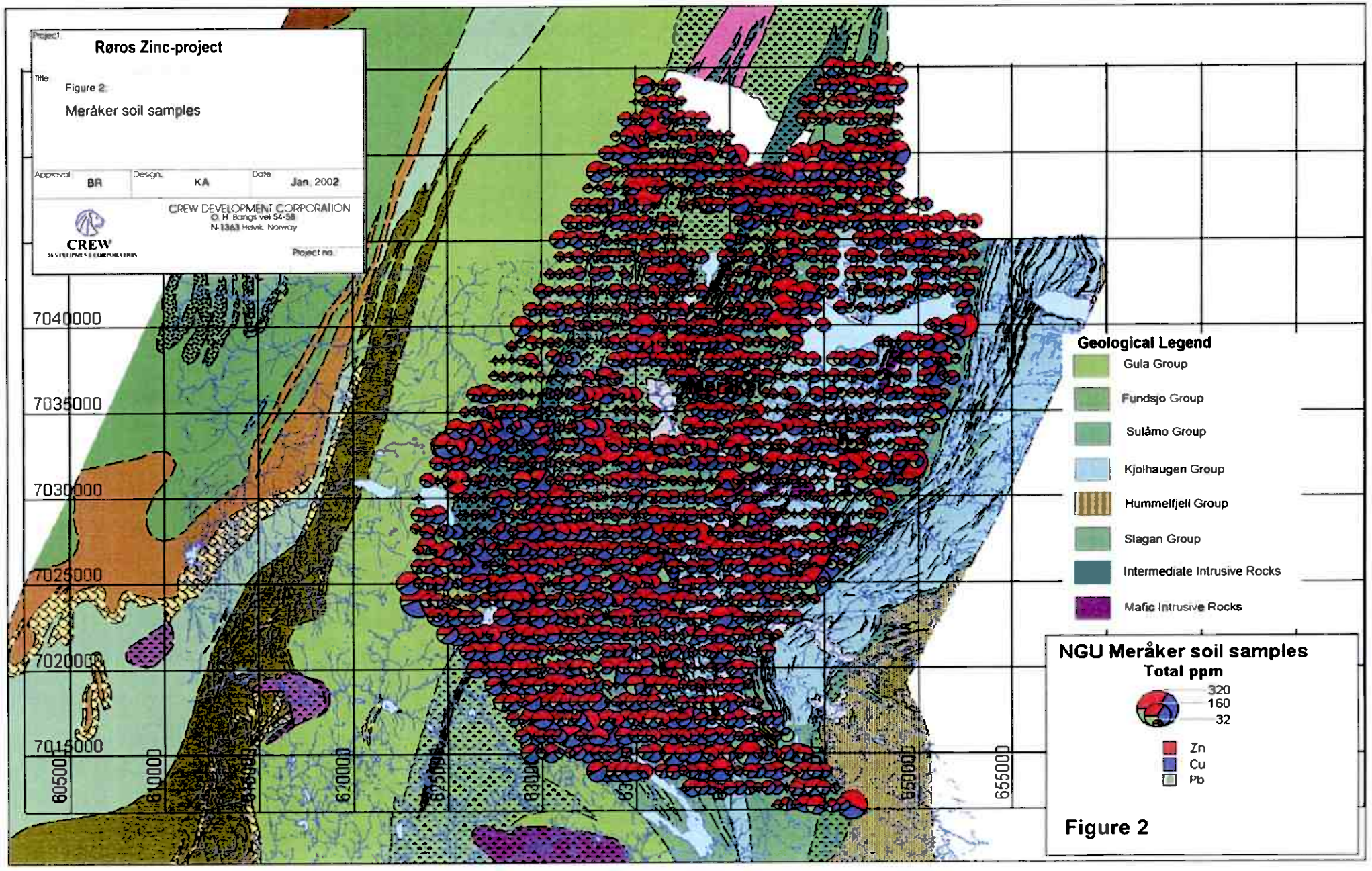
Meråker Østgruvefelt (Meråker East Mining Field), northern part, with sediment- and volcanic-hosted, Zink-Copper deposits.

The Meråker district is a part of the Røros-Meråker Mining Province, Central Norway (fig. 1), and contains a number of Cu-Zn deposits which have been exploited since mid 1700. The entire length of the Meråker Østgruvefelt is approx. 30 km, and is here divided in a northern and southern part. The Meråker Vestgruvefelt (Meråker West Mining Field) include deposits bound to the Fundsjø Group greenstone belt, and is not included here, apart from target no 99, Funnsjøen.

History.

The first mine in Meråker started its production in 1747 (Dronningens mine (102), and in the years to come several deposits were detected. Lillefjell (97), which has been the main producing mine, was found in 1751. Production lasted from 1760 to 1920, and totally about 120 000 tons containing 6.5 % Cu was extracted. The northern part of Østgruvefeltet has been of minor importance concerning ore contribution, although the Hammerskallen mineralization (85) was found as early as 1769, and operated until 1775. Minor test mining occurred in 1885.

In 1991 the Meråker area was covered by airborne geophysics, conducted by the Geological Survey of Norway (Mogaard & Blokkum 1992, Walker 1992). They followed-up selected AEM anomalies by ground geophysics (Dalsegg & Lauritsen 1992). Noranda reprocessed the Meråker dataset in 2000.


Project
Røros Zinc-project
Title
Figure 2
Meråker soil samples
Approval
BR
Design
KA
Date
Jan. 2002
CREW DEVELOPMENT CORPORATION
O. H. Bangs vei 54-58
N-1363 Høvik, Norway
CREW
Project no.
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81000
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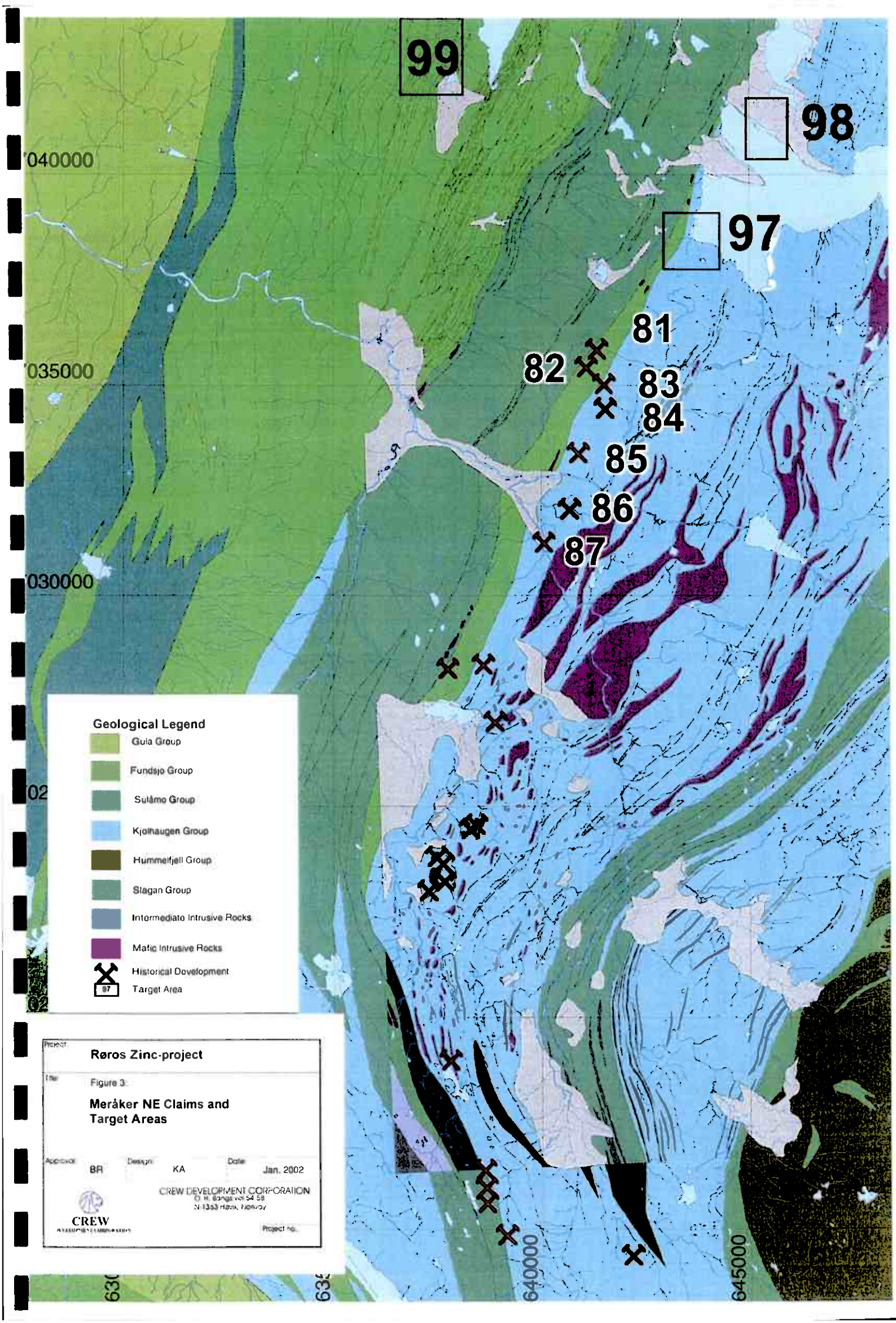
65000
Geological Legend
Gula Group
Fundsjo Group
Sulåmo Group
Kjolhaugen Group
Hummelfjell Group
Slagan Group
Intermediate Intrusive Rocks
Mafic Intrusive Rocks
NGU Meråker soil samples
Total ppm
320
160
32
Zn
Cu
Pb
Figure 2


99
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030000
640000
645000
Geological Legend
Guia Group
Fundsjø Group
Sulåmo Group
Kjølhaugen Group
Hummelfjell Group
Slagan Group
Intermediate Intrusive Rocks
Mafic Intrusive Rocks
Historical Development
Target Area
97
Project
Røros Zinc-project
Title
Figure 3
Meråker NE Claims and
Target Areas
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Jan. 2002
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Project no.

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

The Slågan Group is overlain by the *Kjølhaug Group*, correlated with the Røros Formation in the Røros district, consisting of a thick sequence of calcareous, grey to greenish phyllite and greywacke, which is heavily invaded by pre-metamorphic gabbro-sills.

Overlying the Kjølhaug Group / Røros Formation is the *Sulåmo Group* (correlated with the Dalsbygda Group in the Røros district), which consists of phyllites, metasandstone, marble, conglomerate, and three greenstone units.

The *Fundsjø Group,* which is the northern continuation of 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 Fundsjø Group of probable Lower Ordovician age.

It is probable, although not proven, that the rocks of the Gula Group have been overturned, and belong 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 overturned 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 the Hummelfjell are considered metasediments of Ordovician age. The Dalsbygda, Fundsjø and Aursund groups plus the upper Åsli Formation (Gula Group) 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 the Hummelfjell units are not recognized. The tectono-stratigraphy of the area thereby is greatly simplified.

Most rocks in the area are metamorphosed in greenschist facies. In Meråker the metamorphic grade increases from the SE to the NW. 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.

All the known sulfide occurrences in the Meråker Østgruvefelt occur in the Kjølhaug Group and in the Turifoss greenstone of the Sulåmo Group.

The Kjølhaug Group comprise of a thick sequence of grey-green phyllites, phyllitic greywackes, greywackes, and conglomerates. The sediments are generally banded in cm- to dm-scale, with alternating greywacke and schist bands. Quartz bands concordant with the bedding are common. Major minerals in the greywacke-dominated metasediments are quartz and feldspar, with varying and subordinate amounts of chlorite, muscovite, biotite, sphene and various opaque minerals. Carbonate occurs occasionally as cement in the greywacke, but is less abundant in the Kjølhaug Group than in the correlated Røros Formation to the south. The sediments are frequently intruded by gabbro sills of variable size, numerous small bodies in the south and extensive, concordant sills to the north.

The contact between the Kjølhaug Group and the Sulåmo Group is tectonic, while the contact between the Kjølhaug and Slågan groups is gradational, probably of primary depositional character.

The Sulåmo Group is mainly a metasedimentary succession, containing three greenstone units. Its basis is defined by a 10 m thick conglomerate, whose matrix and pebbles are derived from the lithologically underlying (structurally overlying) volcanic rocks of the Fundsjø Group, indicative of a general inversion. Over (lithologically) the conglomerate follows a thick phyllitic unit, named the *Meråker Phyllite* (Wolff 1973). Graphite occurs in variable, occasionally in significant amounts, leading to blackschist.

Overlying the Meråker Phyllite is a heterogeneous greywacke unit, the Brenna Formation, followed by the *Turifoss Greenstone* at the contact to the Kjølhaug Group. The Turifoss Greenstone has depositional contact to the Brenna Formation, and strongly deformed, mylonitic contact to the Kjølhaug Group. The greenstone unit is about 1000 m thick and can be followed over 25 km length.

The stratigraphically lower part of the greenstone unit is developed as pillow lava, and the upper part is greenschist, probably tuffs or tuffites (Birkeland et al. 1996).

The finegrained Turifoss greenstone consists of hornblende and/or actinolite, epidote, feldspar, chlorite, calcite and quartz as major minerals, and has a tholeiitic, ocean ridge affinity.

Ore deposits. How do they occur, and where to look for new ones?

Characteristic for the Kjølhaug Group is that it contains numerous small, polymetallic sulfide mineralizations, the most significant being the Lillefjell mine (97), has produced in excess of 100 000 tons of Cu-Zn ore. The occurrences contain variable amounts of Po, Cpy, Sl and Py, and are occasionally very Cu- and/or Zn-rich. Only the Lillefjell deposit has a well developed wallrock alteration, the other mineralizations are characterized by very limited chloritization and in some cases by silicification and sericitization.

With few exceptions (eg the Gilså deposit (101), (See report Meråker SE Ore field), which could be a mud-flow type mineralization) they are spatially associated with gabbros. It is not yet understood what is the gabbro bodies role in the formation of the ore bodies. The mineralizations occur invariably structurally below the gabbros, which means stratigraphically above in the inverted succession. One possible interpretation is that the gabbro magma has acted as a heat source in a convection cell, running the hydrothermal solutions, resulting in both exhalative sulfide depositions and their related feeder zones. One would then expect Zn-rich portions to be deposited distally away from the heat source. Although this scenario has not general applicability, it is indicated in some of the deposits, eg. at Anna (93) and Duddu (95), (See report Meråker SE Ore field), with Cu-pyrrhotitic feeder zone type mineralization proximal to the gabbro, and banded Zn-rich mineralization distally.

The gabbro bodies might have influenced the emplacement and morphology of the sulfide occurrences by deformation. During deformation the gabbros have acted as competent bodies in the sedimentary succession, creating low-pressure zones in areas of local tension, creating loci for migrating remobilized sulfides. This is in accordance with field observations: the sulfides are strongly deformed and frequently occur in zones of deformation at the contact to gabbro.

The gabbro bodies in the southern part of the area are frequently exposed in small hills, while the surrounding sediments are covered, and potential mineralizations away from the gabbros have subsequently been hard to detect for the early prospectors. It is however experienced that a very Zn-rich mineralization (0.5 m thick) is hosted in the sediments away from gabbro east of Husmannsberget. This mineralization gave no geophysical signature, and was accidentally exposed because of a tree fall. This demonstrates the importance of geochemical screening in combination with geophysics.

Independent of the genetic model favored, priority should be to focus on the earlier mentioned extensive (several km long) gabbro sills occurring centrally and to the north in the Østgruvefelt. This could lead to discoveries of potentially larger deposits, even though no sulfide occurrences are so far registered associated to these extensive sills. In the Røros Mining Field to the south, the major deposits (eg. Kongens and Storwartz) are associated with significant gabbro sills.

The sulfide mineralizations in the Turifoss Greenstone (Sulåmo Group) are volcanogenic, stratabound and stratiform hydrothermal / exhalative deposits. Sagskjerpet prospect (88), (See report Meråker SE Ore field), is a 1 m thick massive, banded Py-Sl-Cpy mineralization. One channel sample assays 1.0 % Zn and 0.5 % Cu. The sulfide-impregnated hangingwall greenschist is enriched in Cu and Au compared to the stratiform mineralization. Like Sagskjerpet, the Geitberget prospect (82) to the north is a massive, banded pyrite mineralization. It is Zn-rich; samples

assay about 20 % Zn and 0.5 % Cu. While these mineralizations are considered exhalative depositions, the Stadåsen prospect (81) just north of Geitberget resembles a feeder / stringer zone. The mineralizations at Geitberget and Stadåsen are emplaced at the transition between pillow lava and tuff.

No sulfide deposits are known to occur in the sediments of the Sulåmo Group in the Meråker area, except sulfide-disseminated, graphitic horizons in the Meråker Phyllite. In the Røros area however, phyllites of the Dalsbygda Group (correlated with the Sulåmo Group) host sulfide deposits, eg. the Hesjedal, Rognså and Storvoll mines, which produced copper ore periodically between 1750 to 1918.

Two places in the Meråker Phyllite horizons of magnetite-quartzite with Mn-rich garnets and subordinate Po, Cpy and graphite are found. Samples assay up to 0.24 % Cu, 0.23 % As and 1.01 % Mn. This could be distal exhalites associated with base metal deposits.

1998 Exploration Campaign.

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.

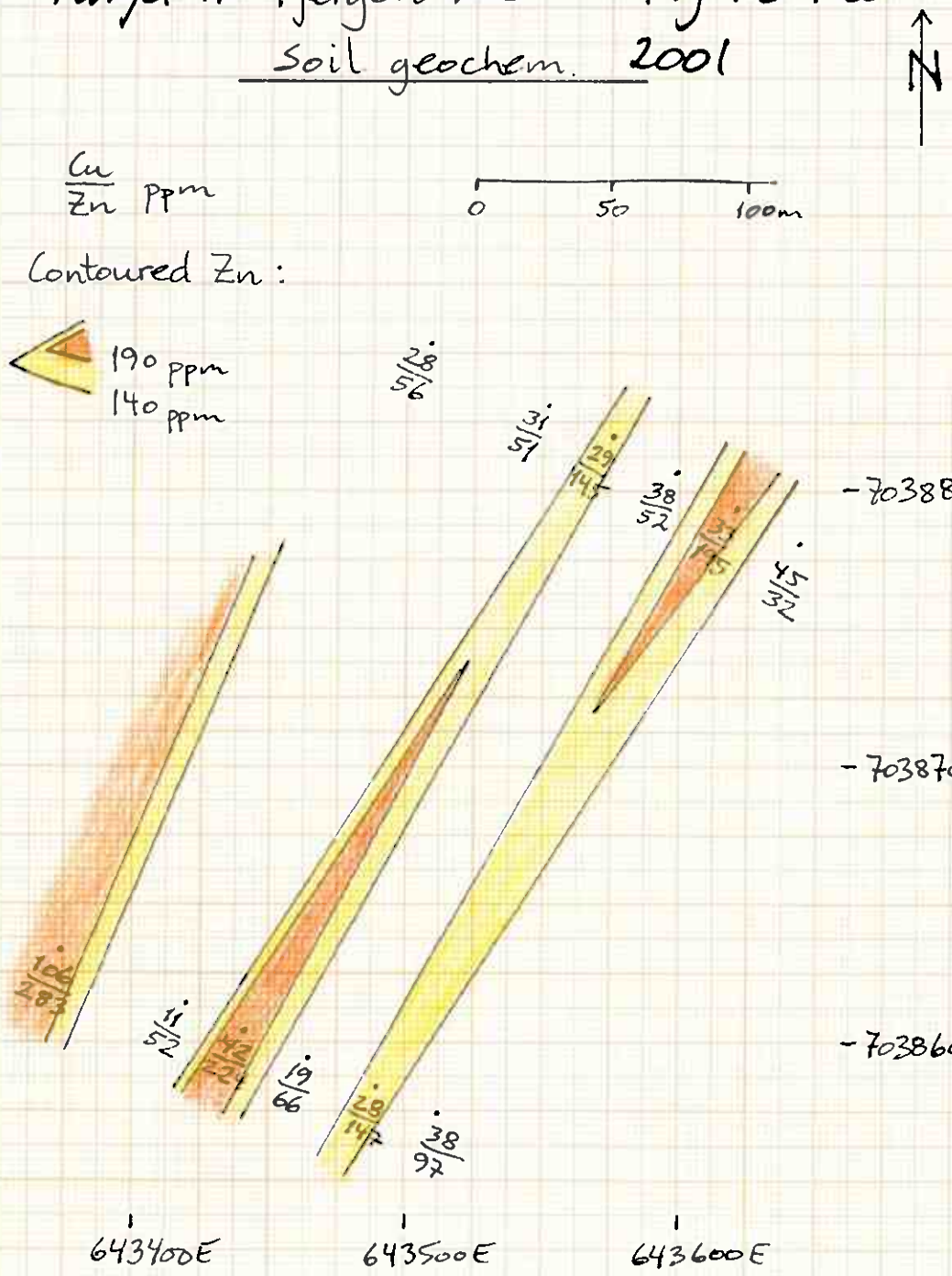
2000 and 2001 Reconnaissance Survey.

Crew / Noranda conducted autumn 2000 reconnaissance geology and prospecting, and sediment sampling at targets outlined by the airborne survey in 1991 (Wilberg 2000, enclosure no 6), three of which are located in the northern part of Meråker Østgruvefelt. Additional DOB sampling was conducted over two of the targets in the winter season of 2001.

Target 97. Fjergen West. UTM area: 642800-643800E/7038000-7039200N.
Located on the west side of lake Fjergen, in the Kjølhaug Group sediments close to the Turifoss Greenstone, appears an about 750 m long conductive trend. The sediments are distinctly banded, in cm- to dm-scale, with alternating massive greywacke and more schistose, green bands. Gabbro lenses with a wide size range, from > 500 m long to small nodules, are common, and they seem to play an important controlling role for mineralization. Limited Cpy-Po disseminations bound to gabbro margins, and in the strike extensions of gabbro lenses, are frequently encountered along the shoreline north of the anomaly, and close to the southern part of the anomaly. 2 samples from the latter assay 1.3 % Cu. A reconnaissance soil profile over the southern end of the conductor failed to upgrade the target. See fig no 4 and enclosure no 2 pp 2-3 and 5-6, FN and FW. The assay results returned no anomalous results, and it was therefore decided to conduct some DOB sampling under winter conditions in 2001. It was collected 12 DOB samples in two profiles. These samples are plotted at fig no 4 and enclosure no 3 pp 1-2 and 4-5. It can be seen that the DOB samples respond quite good to the EM anomaly trend with Zn contents up to 283 ppm (Sample FW 59).

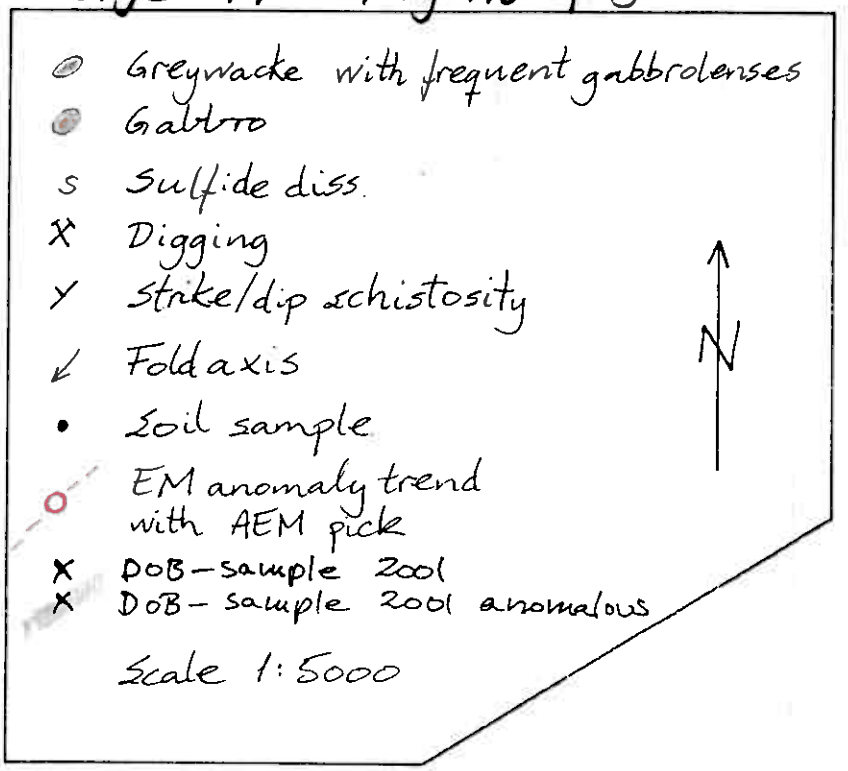
Target 97 Fjergen west Fig no 4a

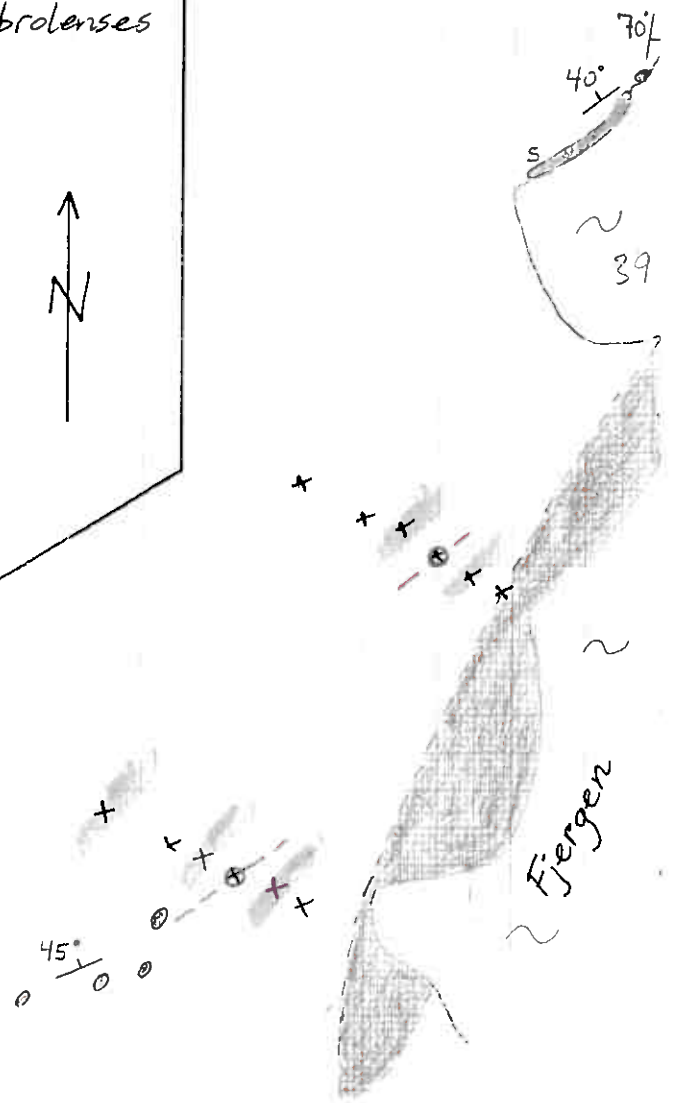
Soil geochem. 2001

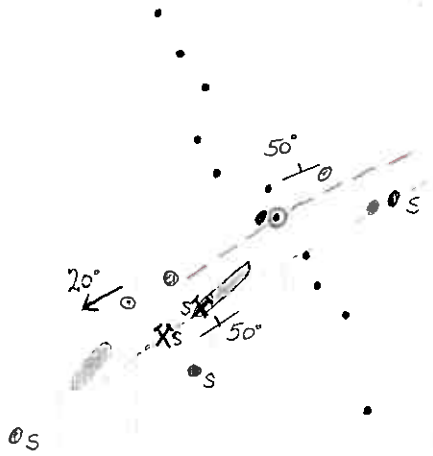


Fjergen West

Target 97 Fig no 4b







70380

S

443000 100 200 300 400 500 600 700

The frequent sulfide mineralizations found in this area (disseminations bound to small gabbro lenses), genetically and size wise, are discouraging. Two grab samples collected at the diggings assayed 1.3 % Cu.

It is proposed that a possible follow up of the Fjergen W combined EM/DOB soil anomaly is postponed until the follow up of Fossvatnet S in Meråker SE ore field has been completed. If Fossvatnet turns out positive, the anomaly at Fjergen West should be reconsidered for further follow up work.

Target 98. Fjergen North. UTM area: 645000-645800E/7040700-7042000N.
Located between the lakes Fjergen and Langen, this conductor is entirely covered by thick swamp. The target is most likely located in the Kjølhaug group. Silt samples, 23, were collected where practically possible, in connection to swampy ponds. They show no coinciding geochemical anomaly with the EM trend, but the sample quality is considered unreliable. See enclosure no 2 pp 2-3 and 5-6. It was therefore decided to conduct a DOB sampling program, also covering a weaker anomaly with gossan about 500 m to the SE. A total of 26 DOB samples were collected in four profiles and assay results exhibited in enclosure no 3 pp 1 and 4. See fig no 5. No anomalies confirmed. No further follow up proposed.

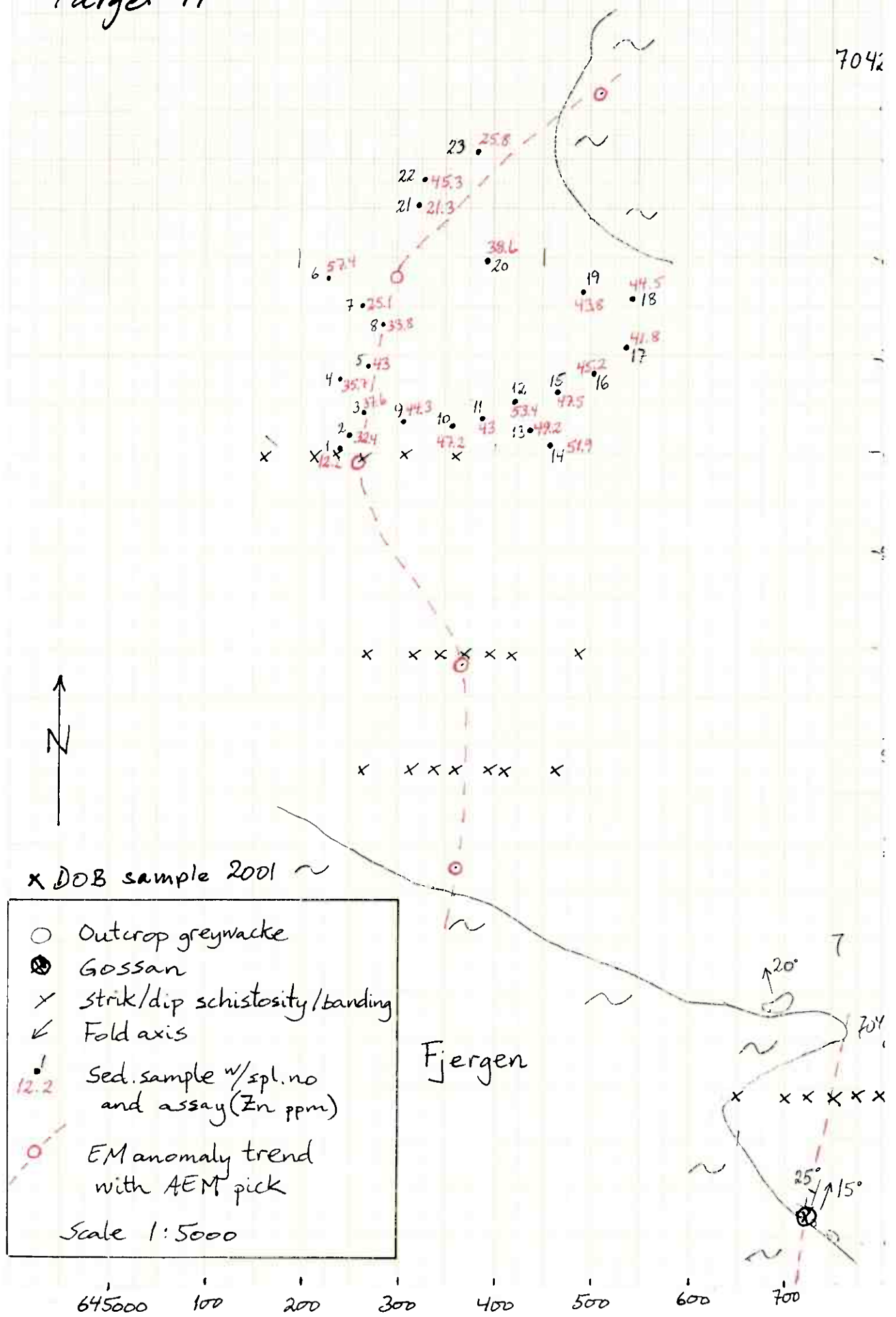
Target 99. Funnsjøen W. UTM area: 637000-638000E/7042000-7044000N.
Funnsjøen rocks comprising of greenstones with felsic layers, rhyolites and graphitic schist is located in the Fundsjø Group
West of Funnsjøen at Meråker, a strong AEM anomaly is occurring over a length of about 1,5 km. The anomaly is also Mag and VLF ground surveyed by NGU 1993. See copy of NGU field measurements. Enclosure no. 4.
The anomaly is explained by a zone of pyrrhotite mineralization occurring along the geophysical anomaly. See fig 6.
Sample no 400090 Funnsjøen E, loc. UTM 0637812 7042820 is a felsic tuffite and rhyolite with mafic fragments. Py and Cpy. Foliation $185^0/60^0$ W. Some places abundant Cpy, but hard to sample. The sample contains traces of gold and a little Cu (1388ppm). For details, see below.
Sample no 400091 Funnsjøen W, loc.UTM 0637515 7042815 about 300m west of the previous location, is a greenstone with rusty patches. Between the two localities, the area is covered by bog. This sample has elevated base metals contents.

Element	Au30	Ag	Cu	Pb	Zn
Units	Ppb	ppm	ppm	ppm	ppm
LRL	5	0.2	1	2	1
URL	10000	200	10000	10000	10000
400090	13	0.9	1388	7	53
400091	<5	<0.2	661	8	30

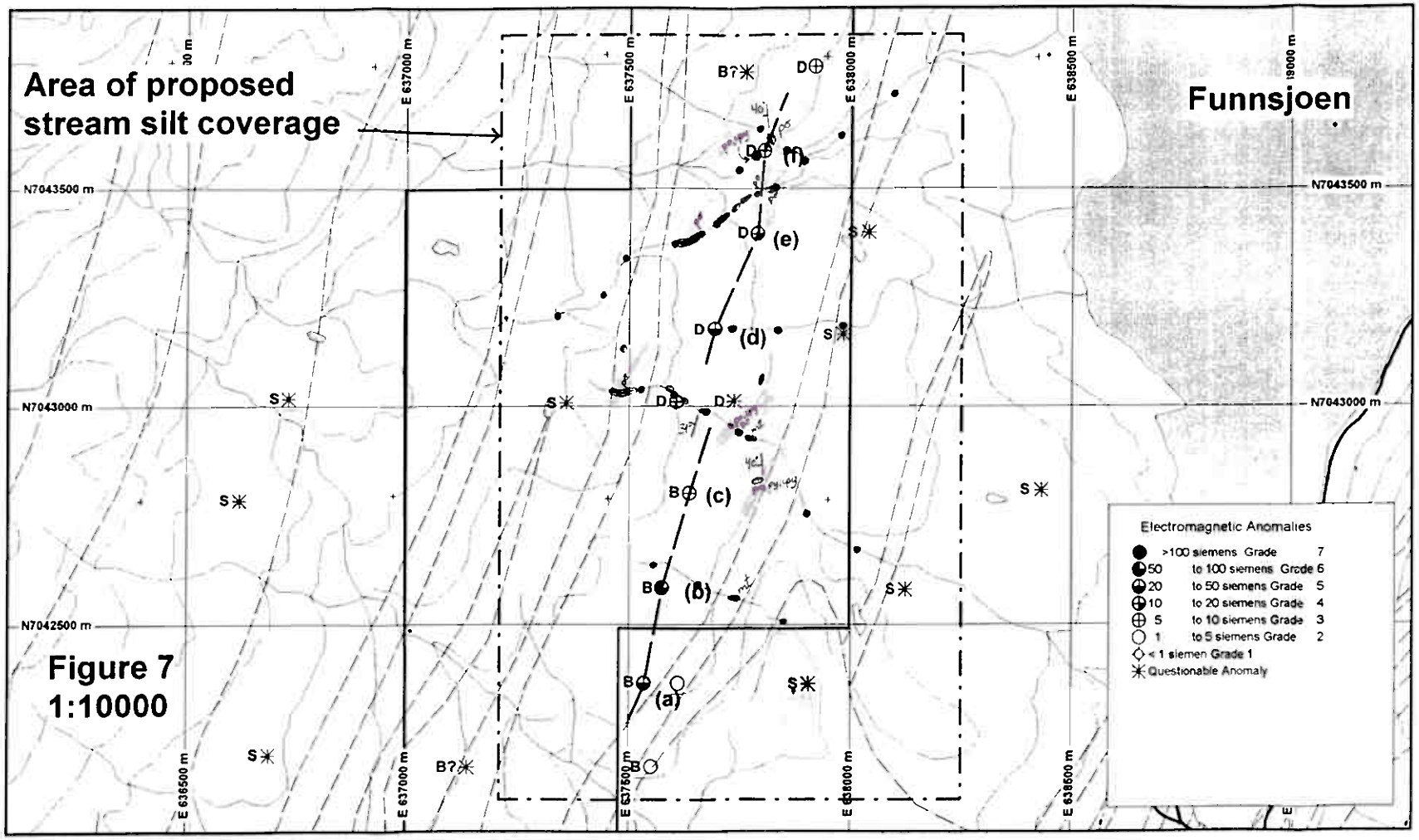
A stream sediment-sampling program was carried out at this target in 2000, and a number of 24 samples were collected. See enclosure no 5, SSU 1-24. The stream-sediments did not upgrade the target. No more follow up is recommended.

Fjergen North, fig. 5

Target 97



Funnsjoen, fig. 6



Dom. mafic tuffs with minor interclations of felsic tuffs, mafic flows and marble

Stream silt sample

fig 6

Conclusions.

None of the targets in Meråker North Eastern ore field warrants any immediate follow up. In case some targets in the same geological environment in Meråker South Eastern ore field gives positive results, the targets in Meråker North Eastern ore field should be reassessed.

The Meråker area hosts Zn mineralizations of very high quality and Zn content. It is often medium to coarsegrained with low content of Pb and Cd. The pure sphalerite mineralizations will yield modest to insignificant EM anomalies, which should be kept in mind for all further follow up.

Below is a reference list of some relevant literature to the district.

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ENCLOSURES

Encl. no 1

Summary of results of ore samples from Meråker NE area:

81. Stadåsen (Faldslettet nord) UTM 0641355 7035901

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
399944	89	18,4	81600	64	40100	7	> 10.00
399945	528	5,6	25100	15	30600	8	> 10.00
399946	114	2,8	9009	7	27400	< 5	> 10.00
399947	174	8,7	28900	9	37200	6	> 10.00

82. Geitberget (Faldslettet) UTM 0641093 7035490

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
399948	41	6,6	3506	42	216600	14	> 10.00
399949	78	10	5484	241	183900	30	> 10.00
399950	42	6,5	4606	52	27800	12	> 10.00

83. Statsåsgrubba (Faldslettet) UTM 0641521 7035086

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
399951	18	5,2	4773	763	71400	< 5	> 10.00
399952	30	1,1	4029	19	21200	< 5	6,01
399953	63	4,9	15100	79	4137	8	6,24

84. Skarbekken (Faldslettet syd) UTM 0641556 7034502

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
399954	90	10	31400	15	949	32	> 10.00
399955	85	3,4	16200	9	356	< 5	8,37

85. Hammerskallen (Hammerskallen) UTM 0640904 7033446

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
399956	112	3,2	18400	24	1187	< 5	> 10.00
399957	600	0,5	6388	7	202	< 5	6,03
399958	46	3,6	19600	5	850	< 5	> 10.00
399959	294	1,8	14400	6	704	< 5	8,84
399960	66	7,8	38600	13	2224	< 5	> 10.00

86. Skomakermoen (Skomakermoen) UTM 0640694 7032104

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
399932	35	3,9	5469	970	116100	7	> 10.00
399933	44	2,4	4505	621	117200	12	> 10.00
399934	40	4,4	17400	447	83000	8	> 10.00
399935	28	3,6	10500	683	78100	< 5	> 10.00
399936	29	3,1	9312	556	98000	6	> 10.00

87. Øyan UTM 0640065 7031317

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
399982	27	4,1	25800	50	1225	25	6,86
399983	32	1,6	12900	14	267	11	5,41
399984	80	4,2	19600	288	1033	13	> 10.00

Results Auger sediment samples Meraker 2000

Sample Ident	UTM E	UTM N	Description	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co
Scheme Code				ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Analysis Unit				ppm	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	%	ppm
Detection 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
AN 01	637695	7023794	light grey+brown silt	-0.5	-0.01	0.22	0.54	0.02	0.03	0.07	0.8	0.09	20	21	53	0.91	2
AN 02	637720	7023793	brown+light grey silt	-0.5	-0.01	0.22	0.65	-0.01	0.02	0.04	0.8	0.11	18	17	50	1.03	2
AN 03	637747	7023791	light greybrown silt	-0.5	-0.01	0.51	0.99	0.02	0.01	0.09	1.2	0.09	32	37	722	1.72	7
AN 04	637778	7023792	grey silt	-0.5	-0.01	0.32	0.54	0.04	0.04	0.16	0.7	0.06	16	75	98	0.88	4
AN 05	637803	7023796	brownish grey silt	-0.5	-0.01	0.34	0.6	0.02	0.02	0.09	0.6	0.08	18	16	59	0.93	3
AN 06	637828	7023794	light grey+redbrown silt	-0.5	-0.01	0.16	0.44	-0.01	0.02	0.03	-0.5	0.09	20	11	47	1.19	3
AN 07	637851	7023792	grey silt	-0.5	-0.01	0.35	0.54	0.01	0.02	0.08	0.8	0.13	27	18	56	0.93	4
AN 08	637876	7023790	brown silt	-0.5	-0.01	0.51	0.92	0.02	0.05	0.16	1.3	0.1	28	24	114	1.69	5
AN 09	637898	7023793	grey silt and sand	-0.5	-0.01	0.08	0.15	-0.01	0.01	0.04	-0.5	0.12	19	7	19	0.27	-1
AN 10	637671	7023792	grey+green mica-chl-rich silt (sampl. Impossible at 637650)	-0.5	0.01	0.78	1.27	0.01	0.16	0.2	1.7	0.18	53	63	148	1.8	10
AN 11	637625	7023793	dark brown silt/soil	-0.5	-0.01	0.79	1.15	0.02	0.21	0.07	1.6	0.15	32	55	103	1.8	5
AN 12	637601	7023791	brown silt	-0.5	0.01	0.76	1.33	0.06	0.11	0.22	2.7	0.07	31	35	145	1.66	7
AN 13	637575	7023794	light greybrown silt	-0.5	-0.01	0.16	0.51	0.01	0.03	0.04	0.8	0.07	18	16	35	0.5	3
AN 14	637552	7023791	light greybrown silt+green, chl-rich matr. (further W: swamp)	-0.5	-0.01	0.23	0.4	-0.01	0.06	0.06	0.8	0.09	16	18	37	0.48	3
AN 15	637727	7023576	greybrwn silt+fragm of ch. Sch. (bog iron smelting place 5m to the S)	-0.5	0.01	0.83	1.21	0.08	0.16	0.23	2.7	0.06	29	33	370	1.95	12
AN 16	637754	7023578	grey silt+fragm of chloritic sch (sampl. Impossible at 637775)	-0.5	0.01	0.43	0.95	0.02	0.04	0.09	1.4	0.11	28	30	98	0.99	6
AN 17	637800	7023576	grey silt+green, chl-rich matr	-0.5	0.01	0.88	1.28	0.07	0.14	0.34	2.6	0.09	30	41	140	2.34	12
AN 18	637825	7023575	brown silt/soil+green, chl-rich matr. Low qual. Spl	0.6	0.01	1.04	1.77	0.05	0.1	0.13	3.3	0.09	47	103	792	5.75	34
AN 19	637849	7023577	brownish grey silt	-0.5	-0.01	0.59	1.13	0.03	0.06	0.11	2.6	0.1	33	34	345	1.72	7
AN 20	637875	7023576	brownish grey silt+mica sch fragm	-0.5	-0.01	0.72	1.09	0.01	0.09	0.07	1.6	0.14	35	64	605	1.97	10
AN 21	637900	7023576	grey sand (+silt)	-0.5	0.01	0.3	0.49	0.05	0.05	0.18	1.1	0.05	14	20	68	0.69	4
AN 22	637927	7023575	grey silt	-0.5	-0.01	0.09	0.24	-0.01	0.02	0.04	0.6	0.09	15	13	18	0.26	2
AN 23	637701	7023575	brown to redbrown silt	-0.5	-0.01	0.5	1.36	0.02	0.04	0.06	1.8	0.12	45	39	110	2.91	6
AN 24	637672	7023577	light grey silt	-0.5	-0.01	0.01	0.1	-0.01	0.01	0.01	-0.5	0.07	9	7	5	0.05	-1
AN 25	637650	7023575	light greybrown to redbrown silt	-0.5	-0.01	0.94	1.59	0.05	0.1	0.14	2.6	0.09	32	43	219	2.3	10
AN 26	637625	7023575	grey+brown silt	-0.5	-0.01	0.56	1.21	0.04	0.05	0.11	2.1	0.07	21	31	85	1.17	5
AN 27	637605	7023576	brown silt+soil+chl-rich matr. Low qual. Spl	-0.5	-0.01	0.48	0.84	0.04	0.07	0.12	2.1	0.08	24	29	80	1	7
AN 28	637570	7023576	grey silt	-0.5	-0.01	0.29	0.58	0.02	0.03	0.07	0.8	0.07	12	16	51	0.58	2
AN 29	637551	7023576	greybrown silt (5m SE of bog iron smelting place)	-0.5	-0.01	0.44	0.78	0.03	0.03	0.1	1.2	0.07	19	27	93	1.1	6
AN 30	637526	7023574	redbrown silt	-0.5	0.01	0.71	1.45	0.04	0.03	0.11	2	0.09	41	42	564	2.73	11
FO 01	636741	7025376	grey silt	-0.5	0.02	0.65	1.03	0.08	0.04	0.3	1.8	0.06	25	28	180	1.65	8
FO 02	636720	7025377	grey silt	-0.5	0.02	0.67	1.2	0.07	0.06	0.26	2	0.06	29	37	185	1.82	10
FO 03	636697	7025377	dark greygreen silt	-0.5	0.01	1.16	1.7	0.04	0.04	0.22	2.6	0.09	79	212	330	3.48	20
FO 04	636675	7025377	grey silt	-0.5	0.01	0.29	0.58	0.03	0.04	0.13	1.2	0.07	18	17	67	0.66	4
FO 05	636650	7025376	browngrey silt	-0.5	-0.01	1.02	1.51	0.03	0.2	0.14	1.5	0.13	55	53	173	2.75	10
FO 06	636625	7025376	grey silt	-0.5	0.01	0.49	0.86	0.04	0.05	0.15	1.4	0.08	26	25	111	1.08	6
FO 07	636600	7025375	light brown silt	-0.5	-0.01	0.38	0.85	0.04	0.04	0.14	1.6	0.08	22	72	87	0.92	4
FO 08	636769	7025376	grey silt	-0.5	0.02	0.62	1	0.08	0.07	0.26	1.7	0.05	22	28	148	1.35	8
FO 09	636796	7025378	grey silt	-0.5	0.01	0.53	0.85	0.07	0.06	0.23	1.4	0.06	21	24	135	1.21	6
FO 10	636825	7025378	grey silt	-0.5	0.01	0.27	0.51	0.03	0.02	0.13	1.1	0.06	15	16	82	0.65	3
FO 11	636850	7025379	grey+minor brown silt	-0.5	0.01	0.56	0.92	0.06	0.06	0.21	1.4	0.06	23	35	204	1.4	7
FO 12	636876	7025375	light redbrown silt	-0.5	0.02	0.45	1.15	0.02	0.06	0.13	2	0.09	25	26	139	2.04	6

Encl no 2

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FO 13	636900	7025375	dark brown silt, minor soil	-0.5	0.01	0.27	0.64	0.04	0.03	0.25	2	0.06	14	18	79	0.72	6
FO 14	636120	7026600	redbrown silt/soil	-0.5	0.01	0.26	1.56	0.04	0.02	0.12	1.9	0.06	23	30	168	2.32	5
FO 15	636095	7026604	redbrown silt/soil	-0.5	-0.01	0.39	1.33	0.03	0.04	0.09	1.9	0.11	45	38	195	3.77	6
FO 16	636070	7026600	redbrown silt/soil	-0.5	-0.01	0.45	1.18	0.02	0.06	0.06	1.5	0.13	54	39	515	4.91	6
FO 17	636040	7026600	redbrown silt/soil (5m W of bog iron smelter)	-0.5	0.01	0.27	1.4	0.03	0.05	0.07	1.9	0.1	36	36	162	3.4	4
FO 18	636015	7026600	brownish grey silt	-0.5	-0.01	0.18	0.62	0.02	0.03	0.05	1.3	0.08	19	14	44	0.72	5
FO 19	636145	7026598	redbrown silt/soil	-0.5	-0.01	0.25	0.54	0.02	0.05	0.05	-0.5	0.13	50	31	419	3.02	6
FO 20	636171	7026603	redbrown silt/soil	-0.5	-0.01	0.15	0.56	0.02	0.03	0.05	-0.5	0.12	44	22	863	3.71	6
FO 21	636196	7026594	browngrey silt/soil	-0.5	-0.01	0.18	0.51	0.02	0.03	0.05	0.5	0.08	23	16	502	1.92	7
FO 22	636216	7026600	redbrown silt/soil	-0.5	-0.01	0.15	0.41	0.01	0.02	0.05	-0.5	0.11	46	17	226	1.9	4
GF 01	636758	7016790	grey silt	-0.5	0.01	0.48	0.77	0.05	0.06	0.19	1.6	0.07	20	36	113	1.13	5
GF 02	636782	7016791	greybrown silt	-0.5	0.01	1.12	1.6	0.04	0.41	0.15	3.4	0.15	51	72	167	2.67	8
GF 03	636802	7016792	light brown sand+silt	-0.5	0.01	0.23	1.11	0.05	0.13	0.11	2.4	0.08	19	23	59	1.13	4
GF 04	636826	7016790	greenish grey silt	-0.5	0.01	0.83	1.32	0.06	0.25	0.22	1.6	0.1	31	88	146	1.65	8
GF 05	636850	7016793	browngreen silt	-0.5	0.02	0.72	1.15	0.07	0.18	0.26	2	0.08	28	38	145	1.45	9
GF 06	636875	7016791	light greengrey silt	-0.5	0.02	0.46	0.73	0.07	0.11	0.25	2.8	0.05	21	138	102	0.88	7
GF 07	636900	7016790	brown silt	-0.5	0.01	0.51	0.99	0.07	0.13	0.19	1.8	0.06	20	30	111	1.2	5
GF 08	636731	7016791	greybrown silt	0.6	-0.01	1.6	1.89	0.03	0.39	0.11	4.9	0.12	61	360	248	2.82	16
GF 09	636704	7016791	brown sand+gravel+silt	0.6	-0.01	1.2	1.93	0.08	0.33	0.19	3.5	0.1	49	91	709	3.34	23
GF 10	636676	7016790	brown silt	0.7	-0.01	1.65	2.34	0.05	0.55	0.14	3.8	0.13	53	137	714	3.53	24
GF 11	636650	7016790	grey silt	-0.5	0.01	0.65	1.02	0.07	0.06	0.2	2.2	0.06	20	41	125	1.26	8
GF 12	636625	7016790	light greybrown silt	0.9	0.01	1.88	2.52	0.05	0.73	0.15	4.9	0.2	54	106	283	3.08	20
GF 13	636600	7016790	grey silt	0.7	-0.01	1.85	2.42	0.05	0.68	0.1	3	0.15	47	88	441	3.83	20
GT 01	634480	7021175	greengrey silt	-0.5	0.01	0.85	1.37	0.06	0.22	0.2	2.4	0.08	30	61	162	1.84	10
GT 02	634501	7021184	greengrey silt	-0.5	0.01	0.82	1.21	0.03	0.18	0.11	2	0.1	26	68	138	1.39	6
GT 03	634456	7021179	bluegrey silt	-0.5	-0.01	0.3	0.45	-0.01	0.04	0.02	-0.5	0.08	17	14	33	0.53	-1
GT 04	634429	7021171	brown soil+silt. Low qual. Spl	-0.5	-0.01	0.33	0.78	0.03	0.05	0.02	-0.5	0.05	21	15	50	3.46	2
GT 05	634397	7021173	light brown silt	-0.5	-0.01	0.32	1.04	0.02	0.03	0.07	1.5	0.09	20	27	147	1.94	8
GT 06	634375	7021172	light brown silt	-0.5	-0.01	0.37	0.98	0.02	0.04	0.07	1.7	0.1	28	36	90	1.72	4
GT 07	634350	7021386	light brown silt	-0.5	-0.01	0.45	1.12	0.05	0.09	0.12	1.6	0.08	30	36	127	1.91	5
GT 08	634324	7021386	light brown silt	-0.5	-0.01	0.19	0.79	0.01	0.02	0.04	1.3	0.06	17	29	39	1.32	3
GT 09	634310	7021383	grey silt+brown sand	-0.5	-0.01	0.34	0.73	0.04	0.06	0.09	1.2	0.07	20	24	75	1.43	6
FN 01	645239	7041605	light brownish grey silt	-0.5	-0.01	0.23	0.57	0.02	0.03	0.09	1.1	0.06	17	13	54	0.63	5
FN 02	645249	7041617	greenish browngrey silt	-0.5	-0.01	0.58	1.22	0.06	0.07	0.19	1.9	0.05	24	25	106	1.38	7
FN 03	645265	7041640	greenish browngrey silt	-0.5	0.01	0.5	1	0.05	0.07	0.18	1.8	0.07	24	26	122	1.37	8
FN 04	645240	7041675	greenish silt	-0.5	0.01	0.55	0.96	0.07	0.07	0.21	1.7	0.04	19	20	100	1.26	7
FN 05	645271	7041689	greenish silt	-0.5	0.01	0.71	1.25	0.06	0.08	0.2	2.2	0.05	27	27	123	1.72	7
FN 06	645228	7041779	greenish silt	-0.5	-0.01	0.95	1.43	0.07	0.07	0.2	2.2	0.06	30	34	161	2.22	8
FN 07	645264	7041751	brown silt	-0.5	0.01	0.56	1.21	0.06	0.08	0.18	2.1	0.05	27	26	96	1.25	21
FN 08	645284	7041732	greenish silt	-0.5	0.01	0.63	1.23	0.06	0.07	0.17	1.9	0.05	26	26	111	1.49	7
FN 09	645306	7041632	greenish silt	-0.5	-0.01	0.63	0.97	0.07	0.11	0.24	2.2	0.04	22	23	117	1.49	8
FN 10	645357	7041628	bluegrey silt	-0.5	-0.01	0.66	0.96	0.07	0.12	0.25	2.2	0.04	23	25	130	1.58	9
FN 11	645387	7041636	bluegrey silt	-0.5	-0.01	0.58	0.88	0.07	0.12	0.25	2.1	0.03	22	22	116	1.43	9
FN 12	645423	7041653	bluegrey silt	-0.5	-0.01	0.65	1.08	0.06	0.12	0.21	2.4	0.05	24	27	129	1.61	9
FN 13	645437	7041624	greenish silt	-0.5	-0.01	0.83	1.43	0.07	0.1	0.2	2.6	0.06	31	33	143	2.05	12
FN 14	645456	7041609	bluegrey silt	-0.5	0.01	0.79	1.24	0.07	0.11	0.24	2.6	0.04	27	28	143	1.83	10

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FN 15	645464	7041662	bluegrey silt	-0.5	0.01	0.67	1.07	0.07	0.12	0.24	2.3	0.04	23	25	125	1.58	9
FN 16	645503	7041681	greenishgrey silt	-0.5	0.01	0.82	1.24	0.08	0.09	0.22	2.3	0.04	28	31	130	1.82	11
FN 17	645536	7041707	grey silt	-0.5	0.01	0.56	0.89	0.07	0.1	0.24	2.1	0.04	20	44	113	1.34	8
FN 18	645541	7041759	grey silt	-0.5	0.01	0.68	1.07	0.07	0.13	0.25	2.2	0.04	21	24	126	1.53	9
FN 19	645492	7041765	grey silt	-0.5	0.01	0.4	0.76	0.06	0.13	0.26	1.9	0.05	19	18	106	1.14	8
FN 20	645391	7041798	brownish grey silt	-0.5	-0.01	0.5	0.98	0.07	0.06	0.2	1.5	0.05	22	21	107	1.3	6
FN 21	645320	7041853	greenishgrey silt	-0.5	-0.01	0.27	0.75	0.06	0.05	0.2	1.4	0.04	16	16	65	0.76	4
FN 22	645328	7041880	grey sand+minor silt	-0.5	-0.01	0.4	0.99	0.01	0.09	0.06	1.6	0.11	38	24	89	1.16	59
FN 23	645382	7041909	greenishgrey silt	-0.5	-0.01	0.38	0.85	0.06	0.06	0.17	1.5	0.04	16	17	73	0.9	5
FW 01	643095	7038195	brown silt	-0.5	-0.01	0.63	1.43	0.04	0.09	0.13	2.1	0.09	31	43	113	1.55	8
FW 02	643088	7038213	greybrown silt+soil	-0.5	-0.01	0.36	0.71	0.03	0.08	0.12	1.9	0.07	21	23	69	0.74	4
FW 03	643053	7038223	light brown silt	-0.5	-0.01	0.57	1.07	0.07	0.14	0.18	2.1	0.06	20	34	87	1.11	6
FW 04	643040	7038245	browngreen silt	-0.5	0.01	0.6	0.98	0.06	0.09	0.18	2	0.06	26	31	139	1.24	7
FW 05	643046	7038280	brown silt/soil	-0.5	0.01	0.42	0.91	0.06	0.06	0.19	2	0.05	18	22	68	0.86	3
FW 06	643028	7038302	brown silt/soil	-0.5	0.01	0.41	0.91	0.03	0.07	0.12	1.5	0.07	19	24	73	0.98	5
FW 07	643013	7038329	grey sand+silt	-0.5	0.02	0.67	1.17	0.07	0.18	0.34	2.3	0.08	33	29	234	2.27	17
FW 08	643113	7038171	brown silt	-0.5	-0.01	0.28	0.75	0.03	0.04	0.11	1.6	0.06	14	20	53	0.6	3
FW 09	643122	7038150	grey silt	-0.5	0.01	0.34	0.57	0.06	0.08	0.28	1.9	0.05	20	17	89	0.82	6
FW 10	643139	7038130	brown silt	-0.5	0.01	0.43	0.9	0.05	0.08	0.17	1.5	0.06	19	23	82	1.15	5
FW 11	643156	7038067	browngrey silt	-0.5	0.01	0.29	0.64	0.04	0.06	0.16	1.3	0.07	19	16	67	0.87	3

Meråker NE ore field:

FN	Fjergen North, Target no 98
FW	Fjergen West, Target no 97

Meråker SE ore field:

AN	Husmannsberget, target no 86
FO	Fossvatnet S, Target no 87
GF	Gåsvollfjell S, target no 88
Gt	Gåstjern NW

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Sample Ide	UTM E	UTM N	Ni	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W	Pb	Bi
Scheme Code			ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	IP 70
Analysis Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit			1	0.5	0.5	3	0.5	0.5	0.5	1	0.2	1	10	5	1	0.5	10	2	5
AN 01	637695	7023794	6	6.4	17.9	-3	3.7	1.6	2.2	-1	-0.2	-1	-10	-5	6	4.4	-10	8	-5
AN 02	637720	7023793	5	3.4	12.8	-3	2.9	3.3	1	-1	-0.2	-1	-10	-5	5	4.3	-10	7	-5
AN 03	637747	7023791	11	79.3	108	-3	5.9	5.6	2	1	0.2	-1	-10	-5	10	9.5	-10	8	-5
AN 04	637778	7023792	39	4.1	17.2	-3	6	2.4	-0.5	-1	-0.2	-1	-10	-5	9	4.4	-10	4	-5
AN 05	637803	7023796	8	3.9	17.1	-3	5.1	2	-0.5	-1	-0.2	-1	-10	-5	9	3.7	-10	5	-5
AN 06	637828	7023794	5	2.7	8.7	-3	2.7	1.4	1.9	-1	-0.2	-1	-10	-5	6	3.2	-10	5	-5
AN 07	637851	7023792	8	4.1	15.6	-3	4.8	1.9	0.8	-1	-0.2	-1	-10	-5	9	3	-10	7	-5
AN 08	637876	7023790	11	10.5	25	-3	6.9	3.4	2.5	-1	-0.2	-1	-10	-5	10	6	-10	5	-5
AN 09	637898	7023793	2	0.9	4.6	-3	2.8	1.2	0.8	-1	-0.2	-1	-10	-5	6	2.2	-10	4	-5
AN 10	637671	7023792	20	4.5	57	-3	7	2.3	1.5	-1	-0.2	-1	-10	-5	36	4.6	-10	5	-5
AN 11	637625	7023793	20	6	37.4	-3	5.8	2.5	2.5	-1	-0.2	-1	-10	-5	18	4.6	-10	7	-5
AN 12	637601	7023791	20	14.6	36.7	-3	9.7	6.1	3.8	-1	-0.2	-1	-10	-5	31	12.9	-10	4	-5
AN 13	637575	7023794	6	4.2	8.4	-3	3.1	2	1.3	-1	-0.2	-1	-10	-5	5	4.6	-10	5	-5
AN 14	637552	7023791	6	1.2	10.4	-3	4.2	1.7	1.7	-1	-0.2	-1	-10	-5	9	3	-10	5	-5
AN 15	637727	7023576	29	43.1	43.1	-3	10.3	8.2	10	-1	-0.2	-1	-10	-5	27	16.3	-10	9	-5
AN 16	637754	7023578	12	13.6	80.8	-3	5.1	3.8	1.8	-1	-0.2	-1	-10	-5	12	7	-10	6	-5
AN 17	637800	7023576	27	32	593	-3	11.5	8.9	3.5	1	-0.2	-1	-10	-5	22	17.9	-10	5	-5
AN 18	637825	7023575	93	19.6	151	-3	6.5	14	8.1	2	-0.2	-1	-10	-5	59	28.5	-10	7	-5
AN 19	637849	7023577	18	17.1	32	-3	6	10.2	2.6	-1	-0.2	-1	-10	-5	14	21.3	-10	6	-5
AN 20	637875	7023576	42	6.8	39.3	-3	4.3	3.2	2.3	-1	-0.2	-1	-10	-5	12	4.1	-10	6	-5
AN 21	637900	7023576	8	7.9	21.4	-3	7.2	3	0.5	-1	-0.2	-1	-10	-5	15	4.5	-10	-2	-5
AN 22	637927	7023575	2	1.8	5.3	-3	3.6	1.3	-0.5	-1	-0.2	-1	-10	-5	7	2.7	-10	6	-5
AN 23	637701	7023575	14	18.8	28.9	-3	4.7	4.6	3.4	-1	-0.2	-1	-10	-5	10	8.4	-10	5	-5
AN 24	637672	7023577	2	0.8	1.6	-3	1.2	-0.5	1.4	-1	-0.2	-1	-10	-5	4	1.5	-10	11	-5
AN 25	637650	7023575	26	23.3	48.6	-3	7.8	6.8	2.5	-1	-0.2	-1	-10	-5	16	14.7	-10	6	-5
AN 26	637625	7023575	15	9.9	24.3	-3	6.1	5.1	2.5	-1	-0.2	-1	-10	-5	11	9.4	-10	4	-5
AN 27	637605	7023576	15	17.7	22.8	-3	6.2	7.9	3	-1	-0.2	-1	-10	-5	16	15.4	-10	6	-5
AN 28	637570	7023576	7	14	22.7	-3	4.3	2.7	1.5	-1	0.2	-1	-10	-5	7	5	-10	8	-5
AN 29	637551	7023576	21	18.8	36.8	-3	5.9	3.3	0.9	2	-0.2	-1	-10	-5	9	5.3	-10	5	-5
AN 30	637526	7023574	17	22.3	65.1	-3	5.9	7.3	1.3	1	-0.2	-1	-10	-5	13	7.4	-10	8	-5
FO 01	636741	7025376	24	22.1	50.5	-3	10.4	5.7	1.5	-1	-0.2	-1	-10	-5	25	10.9	-10	-2	-5
FO 02	636720	7025377	22	19.7	48.1	-3	9.8	6.1	1.3	-1	-0.2	-1	-10	-5	33	12	-10	2	-5
FO 03	636697	7025377	103	30.4	68.6	-3	5.2	13.4	3.3	-1	-0.2	-1	-10	-5	20	31.6	-10	5	-5
FO 04	636675	7025377	7	7.9	16.2	-3	5.9	3.5	1.8	-1	-0.2	-1	-10	-5	13	5.7	-10	5	-5
FO 05	636650	7025376	29	9.9	43.6	-3	5.4	3.1	2.2	-1	0.3	-1	-10	-5	47	6.7	-10	3	-5
FO 06	636625	7025376	14	18	26.8	-3	6.4	3.5	1.8	-1	-0.2	-1	-10	-5	15	6.2	-10	3	-5
FO 07	636600	7025375	47	16.6	25.4	-3	5.7	3.8	2.5	-1	-0.2	-1	-10	-5	11	7	-10	4	-5
FO 08	636769	7025376	20	28	40.1	-3	8.9	5.1	1.2	-1	-0.2	-1	-10	-5	23	10.2	-10	2	-5
FO 09	636796	7025378	15	17.2	32.2	-3	8.2	4.1	1.7	-1	-0.2	-1	-10	-5	15	7.5	-10	4	-5
FO 10	636825	7025378	7	10.8	15.9	-3	5.9	3.5	1.2	-1	-0.2	-1	-10	-5	9	6.1	-10	5	-5
FO 11	636850	7025379	25	32.5	36.5	-3	8.6	4.3	2	-1	-0.2	-1	-10	-5	21	7.7	-10	-2	-5
FO 12	636876	7025375	14	27.9	26.9	-3	7.5	6.2	3.4	-1	-0.2	-1	-10	-5	16	8.8	-10	3	-5

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FO 13	636900	7025375	10	21.7	21.9	-3	10.4	5.1	1.7	-1	-0.2	-1	-10	-5	29	6.5	-10	-2	-5
FO 14	636120	7026600	11	10.2	34	-3	5.8	3.9	3.1	-1	-0.2	-1	-10	-5	12	6.9	-10	-2	-5
FO 15	636095	7026604	12	10.4	41.7	-3	5	3.3	4.1	-1	-0.2	-1	-10	-5	15	7.6	-10	9	-5
FO 16	636070	7026600	12	8.5	46.2	-3	4.4	2.6	4.6	-1	-0.2	-1	-10	-5	16	7	-10	9	-5
FO 17	636040	7026600	7	11.1	28.7	-3	4.2	4.3	3.8	-1	-0.2	-1	-10	-5	14	8.4	-10	6	-5
FO 18	636015	7026600	7	14.2	15.1	-3	3.3	8	0.5	-1	-0.2	-1	-10	-5	10	14.5	-10	6	-5
FO 19	636145	7026598	10	4.7	20	-3	3.4	1.3	2.4	-1	-0.2	-1	-10	-5	11	4.4	-10	10	-5
FO 20	636171	7026603	4	4.3	15.5	-3	3.4	1.9	2.2	-1	-0.2	-1	-10	-5	9	5.7	-10	6	-5
FO 21	636196	7026594	4	4.2	14.3	-3	3.4	1.8	1.3	-1	-0.2	-1	-10	-5	10	4.9	-10	6	-5
FO 22	636216	7026600	4	2.9	12.9	-3	3.2	1.5	1	-1	-0.2	-1	-10	-5	8	3.8	-10	7	-5
GF 01	636758	7016790	27	18.1	22.9	6	7.5	10.4	2	2	-0.2	-1	-10	-5	9	21.4	-10	4	-5
GF 02	636782	7016791	42	12.3	41.1	6	6.1	4.8	2.8	-1	-0.2	-1	-10	-5	49	10.7	-10	5	-5
GF 03	636802	7016792	11	28.3	17.9	-3	4.5	14	3.5	-1	-0.2	-1	-10	-5	29	27.2	-10	6	-5
GF 04	636826	7016790	73	15.3	38.8	-3	7.7	6.8	4.6	-1	-0.2	-1	-10	-5	28	18.4	-10	6	-5
GF 05	636850	7016793	33	30	38.7	-3	9.8	8.1	5.9	-1	-0.2	-1	-10	-5	36	19.4	-10	5	-5
GF 06	636875	7016791	93	44.8	29.9	-3	9.9	11.6	7.7	-1	-0.2	-1	-10	-5	29	21	-10	4	-5
GF 07	636900	7016790	21	25.9	27.4	-3	6.8	6	4.8	-1	-0.2	-1	-10	-5	22	13.8	-10	4	-5
GF 08	636731	7016791	132	52	40.8	52	5.2	7.1	2.7	-1	0.5	-1	-10	-5	33	13.7	-10	14	-5
GF 09	636704	7016791	70	54.1	58.4	10	6.1	20.6	10.7	-1	-0.2	-1	-10	-5	42	45.6	-10	12	-5
GF 10	636676	7016790	122	38.7	65.3	3	5.6	10.8	8.4	-1	-0.2	-1	-10	-5	39	28.9	-10	10	-5
GF 11	636650	7016790	53	50.3	36.9	-3	7	16	4.2	-1	-0.2	-1	-10	-5	19	29.5	-10	7	-5
GF 12	636625	7016790	138	26	52.4	-3	4.8	7.4	13.9	-1	-0.2	-1	-10	-5	35	12	-10	-2	-5
GF 13	636600	7016790	129	42.8	73.5	-3	2.4	9.4	14.7	-1	-0.2	-1	-10	-5	26	19.3	-10	9	-5
GT 01	634480	7021175	60	44.9	44.7	-3	8	10.7	7.4	-1	-0.2	-1	-10	-5	27	24.7	-10	7	-5
GT 02	634501	7021184	32	9.1	31.9	-3	4.7	4.8	4.4	-1	-0.2	-1	-10	-5	17	12.4	-10	6	-5
GT 03	634456	7021179	2	2.6	18.4	-3	1.4	2.9	5.7	1	-0.2	-1	-10	-5	5	11.5	-10	8	-5
GT 04	634429	7021171	7	17.8	26.4	-3	1.8	5.9	8.2	-1	0.2	-1	-10	-5	7	19.5	-10	15	-5
GT 05	634397	7021173	15	15.9	25	-3	3.7	14.1	2.7	-1	-0.2	-1	-10	-5	10	21.3	-10	4	-5
GT 06	634375	7021172	22	17	18.4	-3	3.5	8.9	4.5	-1	-0.2	-1	-10	-5	9	18.6	-10	6	-5
GT 07	634350	7021386	19	10.6	23	-3	5.2	3.6	4.6	-1	-0.2	-1	-10	-5	16	10.3	-10	6	-5
GT 08	634324	7021386	10	7.4	10.1	-3	1.8	5.6	2.7	-1	-0.2	-1	-10	-5	4	12.5	-10	4	-5
GT 09	634310	7021383	23	10.1	18.5	-3	4	6.1	5.1	3	0.2	-1	-10	-5	7	16.4	-10	3	-5
FN 01	645239	7041605	9	5.3	12.2	-3	6.4	5.1	2.5	-1	-0.2	-1	-10	-5	15	11.1	-10	4	-5
FN 02	645249	7041617	22	20.7	32.4	-3	9.3	7.2	4.1	-1	-0.2	-1	-10	-5	20	17.3	-10	9	-5
FN 03	645265	7041640	23	14.3	37.6	-3	8.5	9.6	3.9	2	-0.2	-1	-10	-5	21	21.2	-10	5	-5
FN 04	645240	7041675	19	21.9	35.7	-3	10	6.9	5.3	-1	-0.2	-1	-10	-5	18	16.3	-10	8	-5
FN 05	645271	7041689	25	27.3	43	-3	10.2	7.9	6.7	-1	-0.2	-1	-10	-5	28	17.1	-10	8	-5
FN 06	645228	7041779	25	17	57.4	-3	8.9	6.6	5.5	-1	0.2	-1	-10	-5	11	14.4	-10	4	-5
FN 07	645264	7041751	19	20	25.1	-3	9.1	6.5	6.3	-1	-0.2	-1	-10	-5	23	14.2	-10	8	-5
FN 08	645284	7041732	22	17.9	33.8	5	8.7	6.5	4.2	-1	-0.2	-1	-10	-5	25	14.8	-10	8	-5
FN 09	645306	7041632	24	29.4	44.3	-3	14.7	9.7	9.1	-1	-0.2	-1	-10	-5	26	20	-10	7	-5
FN 10	645357	7041628	25	28.5	47.2	-3	13.3	9.4	14.9	-1	-0.2	-1	-10	-5	33	18.7	-10	6	-5
FN 11	645387	7041636	24	26.8	43	-3	13.8	9.3	15.4	-1	-0.2	-1	-10	-5	26	19.1	-10	8	-5
FN 12	645423	7041653	25	28.9	53.4	-3	10.8	9.8	12.7	-1	-0.2	-1	-10	-5	37	20.7	-10	7	-5
FN 13	645437	7041624	34	27.5	49.2	-3	9.4	9	8	-1	-0.2	-1	-10	-5	35	20.1	-10	7	-5
FN 14	645456	7041609	30	35.8	51.9	-3	12.2	8.7	11.7	-1	-0.2	-1	-10	-5	47	19.3	-10	8	-5

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FN 15	645464	7041662	25	29.2	47.5	-3	14.6	9.6	10.9	-1	-0.2	-1	-10	-5	33	19.2	-10	7	-5
FN 16	645503	7041681	33	22.9	45.2	-3	10.5	8	7.7	-1	-0.2	-1	-10	-5	24	18	-10	9	-5
FN 17	645536	7041707	34	25.2	41.8	-3	12.9	9.1	8.4	-1	-0.2	-1	-10	-5	24	18.6	-10	6	-5
FN 18	645541	7041759	25	33.5	44.5	-3	13.4	10.4	14.5	-1	-0.2	-1	-10	-5	25	20.1	-10	10	-5
FN 19	645492	7041765	18	23.9	43.8	-3	14.6	9.3	9.1	-1	-0.2	-1	-10	-5	46	18.1	-10	7	-5
FN 20	645391	7041798	19	11.1	38.6	-3	9.4	5.2	4.7	1	-0.2	-1	-10	-5	21	11.6	-10	6	-5
FN 21	645320	7041853	11	12.9	21.3	-3	7.8	6	2.6	-1	0.4	-1	-10	-5	12	11.6	-10	5	-5
FN 22	645328	7041880	16	14.9	45.3	-3	3.7	9.7	5.5	1	0.2	-1	-10	-5	16	19.5	-10	9	-5
FN 23	645382	7041909	15	23.1	25.8	-3	8	5.9	3	-1	-0.2	-1	-10	-5	14	13.3	-10	7	-5
FW 01	643095	7038195	20	19.3	52.3	-3	5.8	17.6	4.1	-1	-0.2	-1	-10	-5	30	23.4	-10	5	-5
FW 02	643088	7038213	9	8.4	18.1	-3	8.4	7.3	2.9	2	0.3	-1	-10	-5	20	12.6	-10	4	-5
FW 03	643053	7038223	17	13.5	28.7	-3	8.3	6.5	4.4	-1	0.3	-1	-10	-5	21	19.1	-10	5	-5
FW 04	643040	7038245	20	10	26.3	-3	7.7	8.4	4.6	-1	-0.2	-1	-10	-5	30	17.1	-10	5	-5
FW 05	643046	7038280	13	9.1	19.3	-3	7.1	6	3.8	-1	-0.2	-1	-10	-5	13	12.6	-10	3	-5
FW 06	643028	7038302	11	5.4	18.9	-3	5.3	3.9	2.8	-1	-0.2	-1	-10	-5	16	7.2	-10	3	-5
FW 07	643013	7038329	25	21.8	57.2	-3	13.5	56.6	7	-1	-0.2	-1	-10	-5	46	31	-10	9	-5
FW 08	643113	7038171	8	4.8	14.4	-3	6.4	4.3	2.8	-1	-0.2	-1	-10	-5	9	7.7	-10	5	-5
FW 09	643122	7038150	10	13.6	24.7	-3	10.2	38.8	4.8	-1	-0.2	-1	-10	-5	16	20.2	-10	-2	-5
FW 10	643139	7038130	14	8.8	24.8	-3	8.4	5.8	5	-1	-0.2	-1	-10	-5	20	12.6	-10	4	-5
FW 11	643156	7038067	8	5.6	15.7	-3	7.4	5.5	1.8	-1	-0.2	-1	-10	-5	16	9.9	-10	5	-5

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Deep soil samples Røros 2001

Meråker

Spl.no	UTM E	UTM N	Depth	Target	Description	Smpl. Id	Be	Na	Mg	Al	P	K	Ca	Sc	Ti
						Sch Code	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
						Ana Unit	ppm	%	%	%	%	%	%	ppm	%
						Det Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.01
FN50	645267	7041383	3.4	Fjergen N	grey silt	FN 50	-0.5	0.03	0.54	0.88	0.05	0.23	1.36	1.6	0.05
FN51	645317	7041383	3.4	Fjergen N	grey silt	FN 51	-0.5	0.04	0.66	1.11	0.05	0.35	1.6	2.9	0.06
FN52	645342	7041383	2.7	Fjergen N	grey silt	FN 52	-0.5	0.04	0.66	1.31	0.05	0.4	0.5	2.4	0.07
FN53	645367	7041380	2.8	Fjergen N	grey silt with fragm. and plug of finegrained greywacke	FN 53	-0.5	0.04	0.64	1.37	0.05	0.41	0.34	2.9	0.07
FN54	645392	7041383	3.8	Fjergen N	grey silt	FN 54	-0.5	0.03	1.04	1.48	0.06	0.47	0.94	2.8	0.08
FN55	645417	7041383	3.8	Fjergen N	rustybrown, greenish-grey silt with chlorite matr.	FN 55	-0.5	0.02	1.03	1.47	0.07	0.27	0.29	3.6	0.08
FN56	645467	7041383	0.5	Fjergen N	light grey silt with fragm of chloritic mica schist	FN 56	-0.5	0.02	0.15	0.43	-0.01	0.03	0.04	1	0.08
FN57	645262	7041591	3.3	Fjergen N	grey silt with fragm. (endplug?) of greygreen sed	FN 57	-0.5	0.03	0.61	0.91	0.07	0.15	1.39	2	0.04
FN58	645162	7041591	3.5	Fjergen N	grey silt	FN 58	-0.5	0.03	0.71	1.06	0.06	0.3	1.4	2.7	0.05
FN59	645212	7041591	4.2	Fjergen N	dark grey silt	FN 59	-0.5	0.03	0.8	1.18	0.05	0.39	1.85	3	0.06
FN60	645237	7041591	3.8	Fjergen N	dark grey silt, plug of dark grey sed. with qtz-veins	FN 60	-0.5	0.03	0.66	1.02	0.06	0.29	2.27	2	0.05
FN61	645362	7041591	3.8	Fjergen N	grey silt	FN 61	-0.5	0.03	0.67	0.99	0.06	0.25	2.01	2	0.05
FN62	645312	7041591	3.7	Fjergen N	dark grey silt	FN 62	-0.5	0.03	0.76	1.18	0.06	0.35	1.87	2.4	0.06
FN63	645364	7041275	3	Fjergen N	greenish-grey silt with plug of greenish-grey sed. (greywacke)	FN 63	-0.5	0.03	0.52	0.89	0.06	0.19	1.13	2.3	0.05
FN64	645264	7041275	3	Fjergen N	grey silt	FN 64	-0.5	0.03	0.46	0.73	0.06	0.13	0.8	2.5	0.04
FN65	645314	7041275	3.2	Fjergen N	grey silt, plug of grey sed.	FN 65	-0.5	0.04	0.56	0.98	0.06	0.22	1.66	2.8	0.08
FN66	645339	7041275	2.9	Fjergen N	grey silt	FN 66	-0.5	0.04	0.64	1.04	0.06	0.25	1.81	2.4	0.08
FN67	645464	7041275	1.9	Fjergen N	browngrey silt	FN 67	-0.5	0.05	0.83	1.77	0.06	0.26	0.34	3	0.1
FN68	645414	7041275	3.6	Fjergen N	grey silt	FN 68	-0.5	0.03	0.46	0.81	0.06	0.18	0.73	2.2	0.05
FN69	645389	7041275	3.8	Fjergen N	brownish greengrey silt	FN 69	-0.5	0.02	0.41	0.81	0.06	0.16	0.27	2.1	0.04
FN70	645750	7040940	1.6	Fjergen N	browngrey chlorite matr.	FN 70	-0.5	0.02	1.04	1.51	0.06	0.17	0.2	1.8	0.05
FN71	645700	7040940	1	Fjergen N	matr. and plug of chloritic greywacke, minor humus	FN 71	-0.5	0.02	2.29	2.88	0.07	0.23	0.23	3.3	0.08
	645650	7040940		Fjergen N	not possible										
FN72	645725	7040940	0.7	Fjergen N	mainly humus, rusty chlorite schist in end plug. LQS	FN 72	-0.5	0.02	0.29	0.52	0.03	0.05	0.23	1.1	0.04
FN73	645850	7040940	1.5	Fjergen N	brownish-green chloritic matr.	FN 73	-0.5	0.03	1.12	1.59	0.07	0.1	0.27	2	0.05
FN74	645800	7040940	1.3	Fjergen N	greengrey matr. of chloriterich greywacke	FN 74	-0.5	0.02	1.19	1.58	0.08	0.15	0.28	2.6	0.05
FN75	645775	7040940	0.6	Fjergen N	humus, plug of chlorite schist. LQS	FN 75	-0.5	0.03	1.34	1.84	0.06	0.33	0.23	3.6	0.12
						DUP-FN 58	-0.5	0.03	0.73	1.09	0.06	0.31	1.44	3.2	0.06
						DUP-FN 70	-0.5	0.02	1.03	1.49	0.06	0.17	0.21	1.7	0.05
Spl.no	UTM E	UTM N	Depth	Target	Description	Smpl. Id	Be	Na	Mg	Al	P	K	Ca	Sc	Ti
						Sch Code	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
						Ana Unit	ppm	%	%	%	%	%	%	ppm	%
						Det Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.01
FW50	643599	7038807	4.3	Fjergen W	greygreen silt with fragm. of amphibolite (gabbro)	FW 50	-0.5	0.02	0.75	1.16	0.06	0.18	0.21	2.4	0.05
FW51	643576	7038820	3.6	Fjergen W	grey silt	FW 51	-0.5	0.03	1.29	1.53	0.07	0.59	0.39	2.5	0.15
FW52	643552	7038831	3.5	Fjergen W	grey sandy silt	FW 52	-0.5	0.03	0.88	1.31	0.06	0.26	0.3	3.8	0.08
FW53	643509	7038853	1	Fjergen W	humus, minor grey silt at end. LQS	FW 53	-0.5	0.02	1.09	1.66	0.03	0.46	0.19	-0.5	0.11
FW54	643621	7038793	2.3	Fjergen W	grey silt	FW 54	-0.5	0.03	1.44	1.97	0.06	0.57	0.25	2.3	0.1
FW55	643644	7038781	4.5	Fjergen W	grey silt, minor humus	FW 55	-0.5	0.02	0.33	0.54	0.06	0.08	0.26	1.5	0.03
				Fjergen W	50m further ESE not possible										
FW56	643464	7038594	1.5	Fjergen W	greybrown silt	FW 56	-0.5	0.02	0.63	1.21	0.06	0.2	0.2	1.8	0.07
FW57	643442	7038604	1.4	Fjergen W	grey silt	FW 57	-0.5	0.03	0.89	1.47	0.05	0.25	0.25	2.9	0.09
FW58	643420	7038614	0.3	Fjergen W	humus, plug of greywacke. LQS	FW 58	-0.5	0.02	0.61	1.17	0.03	0.06	0.12	1.9	0.12

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FW59	643374	7038633	0.9	Fjergen W	grey + rustybrown silt	FW 59	-0.5	0.02	1.15	1.82	0.05	0.43	0.22	1.5	0.1
FW60	643489	7038584	3.6	Fjergen W	grey silt	FW 60	-0.5	0.03	0.83	1.27	0.06	0.32	0.64	2.3	0.06
FW61	643513	7038574	4	Fjergen W	grey silt	FW 61	-0.5	0.02	0.77	1.1	0.07	0.25	0.24	1.6	0.05
				Fjergen W	50m further ESE not possible										
						DUP-FW 56	-0.5	0.02	0.62	1.2	0.05	0.2	0.2	1.9	0.08
Spl.no	**UTM E**	**UTM N**	**Depth**	**Target**	**Description**	**Smpl. Id**	**Be**	**Na**	**Mg**	**Al**	**P**	**K**	**Ca**	**Sc**	**Ti**
						Sch Code	**ICP70**	**ICP70**	**ICP70**	**ICP70**	**ICP70**	**ICP70**	**ICP70**	**ICP70**	**ICP70**
						Ana Unit	**ppm**	**%**	**%**	**%**	**%**	**%**	**%**	**ppm**	**%**
						Det Limit	**0.5**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.5**	**0.01**
FO50	637020	7026600	2	Fossvatnet S	green, partly rustybrown silt + matr. and plug of fineg. amph + qtz-fragments	FO 50	-0.5	0.03	0.74	1.16	0.06	0.17	0.27	2.8	0.08
FO51	637070	7026600	4.5	Fossvatnet S	browngrey silt, minor sand, fragm. of rusty amphibolite + plug of qtz	FO 51	-0.5	0.03	0.57	0.86	0.06	0.09	0.25	2.4	0.07
FO52	637095	7026600	5	Fossvatnet S	browngreen silt with fragm. + plug of hbl schist	FO 52	-0.5	0.03	1.16	1.67	0.07	0.27	0.32	3.1	0.11
FO53	637120	7026600	3.4	Fossvatnet S	rusty-browngreen silt with fragm. + plug of partly rusty hbl schist	FO 53	-0.5	0.03	1.05	1.51	0.05	0.31	0.21	3.3	0.1
FO54	637145	7026600	5.1	Fossvatnet S	browngrey silt with fragm. + plug of amphibolite	FO 54	-0.5	0.03	1.16	1.6	0.06	0.28	0.22	2	0.07
FO55	637170	7026600	4.1	Fossvatnet S	greygreen silt w. fragm. of greensch, plug of graphite-rich greensch w. min sulf.	FO 55	-0.5	0.02	0.94	1.18	0.05	0.05	0.24	2.6	0.09
FO56	637220	7026580	3.9	Fossvatnet S	browngreen silt + matr. of amphibolite, both partly rusty	FO 56	-0.5	0.04	1.28	1.79	0.1	0.44	0.41	3	0.15
FO57	637170	7026450	3.7	Fossvatnet S	greygreen silt + matr. of hbl schist, partly with minor mica	FO 57	-0.5	0.03	0.88	1.03	0.05	-0.01	0.32	1.9	0.14
FO58	637120	7026450	3.2	Fossvatnet S	greygreen silt + matr. of finegrained, schisty amphibolite	FO 58	-0.5	0.03	0.81	1.14	0.06	0.07	0.38	2.9	0.12
FO59	637095	7026450	2.7	Fossvatnet S	greygreen silt + matr. of finegrained, schisty amphibolite	FO 59	-0.5	0.03	0.77	1.22	0.07	0.22	0.24	2.7	0.08
FO60	637070	7026450	3.7	Fossvatnet S	greygreen silt + matr. of finegrained, schisty amphibolite	FO 60	-0.5	0.03	0.6	0.76	0.05	0.03	0.39	1.6	0.14
FO61	637045	7026450	6.2	Fossvatnet S	greygreen silt + matr. of fineg., schisty amphibolite + minor sand in upper part	FO 61	-0.5	0.03	0.79	1.14	0.06	0.13	0.34	2.6	0.11
FO62	637020	7026450	7.1	Fossvatnet S	greygreen silt + matr. of fineg., schisty amphibolite + minor sand in upper part	FO 62	-0.5	0.03	0.52	0.67	0.07	0.07	1.08	2.1	0.08
FO63	637990	7026450	5.6	Fossvatnet S	greygreen silt + matr. of finegrained, schisty amphibolite	FO 63	-0.5	0.03	0.81	1.15	0.07	0.07	0.38	2.8	0.09
FO64	637060	7026180	2.5	Fossvatnet S	grey and brown silt + fragm. and plug of mica schist	FO 64	-0.5	0.05	1.17	1.62	0.07	0.12	0.51	4	0.13
FO65	637010	7026180	2.5	Fossvatnet S	greygreen, minor rustybrown silt, rel. mica-rich	FO 65	-0.5	0.04	0.77	1.15	0.05	0.1	0.33	2.1	0.08
FO66	636985	7026180	0.7	Fossvatnet S	greygreen, minor rustybrown silt	FO 66	-0.5	0.05	0.45	0.71	0.04	0.02	0.52	2.4	0.19
FO67	636960	7026180	1.8	Fossvatnet S	greygreen silt, plug of finegrained amphibole schist	FO 67	-0.5	0.05	1.03	1.49	0.06	0.32	0.49	3.6	0.14
FO68	636935	7026180	1.6	Fossvatnet S	greygreen silt, plug of finegrained amphibole schist	FO 68	-0.5	0.05	0.92	1.34	0.07	0.18	0.47	3.2	0.11
FO69	636910	7026180	0.7	Fossvatnet S	dark rustybrown silt and rock matr. + plug of chloritic amphibole schist	FO 69	-0.5	0.04	1.26	1.9	0.06	0.23	0.32	4.2	0.11
FO70	636860	7026180	2.1	Fossvatnet S	dark greybrown silt and minor sand, fragm. of amphibolite	FO 70	-0.5	0.02	0.68	1.07	0.06	0.15	0.24	1.7	0.06
FO71	637010	7026000	1.2	Fossvatnet S	browngrey silt (minor contamination from steel shavings)	FO 71	-0.5	0.05	1.11	1.76	0.07	0.27	0.43	4.6	0.13
FO72	636960	7026000	3.2	Fossvatnet S	greybrown silt, partly greenish, with fragm. + plug of amph-mica schist	FO 72	-0.5	0.03	1.42	2.01	0.07	0.37	0.38	4	0.16
FO73	636935	7026000	1.9	Fossvatnet S	greygreen silt with fragm. + plug of amph schist	FO 73	-0.5	0.03	0.77	1.16	0.06	0.21	0.29	2.5	0.09
FO74	636910	7026000	1.9	Fossvatnet S	greygreen silt with fragm. + plug of amph schist	FO 74	-0.5	0.03	0.33	0.57	0.07	0.06	0.27	1.4	0.04
FO75	636885	7026000	5.6	Fossvatnet S	greybrown silt with fragm. of amphibolite and qtz	FO 75	-0.5	0.03	1.09	1.5	0.07	0.25	0.39	2.9	0.1
FO76	636860	7026000	3.8	Fossvatnet S	dark brown, partly rustyred silt with amph fragm.	FO 76	-0.5	0.03	0.73	1.03	0.06	0.16	0.37	2.7	0.07
	636810	7026000		Fossvatnet S	not possible (densely forested steep slope)										
FO77	636670	7025500	4.6	Fossvatnet S	grey silt	FO 77	-0.5	0.04	0.43	0.58	0.07	0.14	1.26	1.7	0.04
FO78	636720	7025500	3.8	Fossvatnet S	grey silt	FO 78	-0.5	0.03	0.56	0.77	0.07	0.18	0.51	1.7	0.05
FO79	636745	7025500	1.8	Fossvatnet S	grey silt	FO 79	-0.5	0.03	1.03	1.49	0.07	0.11	0.34	2.7	0.06
FO80	636770	7025500	4.3	Fossvatnet S	grey silt	FO 80	-0.5	0.03	0.52	0.71	0.06	0.15	1.3	1.8	0.05
FO81	636795	7025500	4	Fossvatnet S	grey silt	FO 81	-0.5	0.04	0.65	0.92	0.07	0.26	1.59	1.9	0.06
FO82	636820	7025500	2.8	Fossvatnet S	grey silt with bio sch fragm.	FO 82	-0.5	0.04	0.85	1.12	0.07	0.29	1.26	1.6	0.07
	636870	7025500		Fossvatnet S	not possible (densely forested steep slope)										
FO83	636642	7025377	3.6	Fossvatnet S	greygreen silt (minor contamination from steel shavings)	FO 83	-0.5	0.05	0.54	0.76	0.06	0.23	1.39	1.7	0.06
FO84	636692	7025377	3.1	Fossvatnet S	greygreen silt	FO 84	-0.5	0.04	0.57	0.79	0.07	0.22	1.66	1.9	0.05
FO85	636717	7025377	2.7	Fossvatnet S	greygreen silt	FO 85	-0.5	0.05	0.66	0.97	0.06	0.28	1.42	2	0.07
FO86	636742	7025377	2.6	Fossvatnet S	greygreen silt	FO 86	-0.5	0.04	0.63	0.88	0.07	0.27	1.5	2.3	0.06
FO87	636767	7025377	1.2	Fossvatnet S	greygreen silt	FO 87	-0.5	0.02	0.87	1.28	0.07	0.15	0.31	3.5	0.06

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FO88	636792	7025377	4.3	Fossvatnet S	grey silt with fragm. of assumed greywacke	FO 88	-0.5	0.03	0.71	0.91	0.07	0.2	1.56	1.8	0.05
FO89	636842	7025377	4	Fossvatnet S	grey silt with fragm. of greywacke	FO 89	-0.5	0.03	0.58	0.78	0.07	0.17	1.59	1.4	0.04
						DUP-FO 50	-0.5	0.03	0.77	1.2	0.06	0.17	0.28	2.6	0.08
						DUP-FO 62	-0.5	0.04	0.56	0.74	0.06	0.06	1.16	2.1	0.09
						DUP-FO 74	-0.5	0.03	0.36	0.6	0.07	0.06	0.29	1.3	0.05
						DUP-FO 86	-0.5	0.04	0.61	0.88	0.06	0.27	1.48	2	0.06

Deep soil samples Røros 2001

Spl.no	Target	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W	Pb	Bi	Li
		ICP70	ICP70	ICP70	ICP70	ICP7	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP7	ICP70	ICP70
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		2	1	2	0.01	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	1
FN50	Fjergen N	19	21	332	1.6	11	25	23.2	57.7	-3	35.9	8.5	11.5	-1	-0.2	3	-10	18	53	15.9	30	6	9	10
FN51	Fjergen N	26	29	331	1.84	7	27	26.6	37.3	-3	36.9	9.3	15.4	-1	-0.2	-1	-10	9	63	16.4	-10	7	-5	12
FN52	Fjergen N	30	27	248	1.91	9	23	20	37.5	-3	18.9	9.1	16.1	-1	-0.2	-1	-10	-5	77	13.8	-10	5	-5	13
FN53	Fjergen N	24	27	195	1.95	7	24	19.7	35.7	3	16.4	10	14.6	-1	0.8	3	-10	-5	75	20.2	-10	7	-5	10
FN54	Fjergen N	34	46	285	2.54	7	37	20.3	47.9	-3	23.8	11	18.2	-1	-0.2	-1	-10	-5	69	18.6	-10	6	-5	20
FN55	Fjergen N	34	46	188	2.75	12	40	28.7	54.5	5	14	16.4	16.1	2	-0.2	-1	-10	37	38	27.6	-10	10	-5	22
FN56	Fjergen N	26	17	29	0.81	-1	6	1.4	9.2	-3	3.4	1.5	3.1	-1	-0.2	-1	-10	15	8	1.1	-10	14	-5	3
FN57	Fjergen N	19	22	248	1.59	5	27	30.5	47.6	-3	39.1	8.9	12.2	2	-0.2	1	-10	-5	39	19.3	-10	8	-5	11
FN58	Fjergen N	20	25	353	1.81	10	25	23.2	43.8	-3	37.5	10.5	19.1	1	-0.2	-1	-10	-5	56	19.3	-10	7	-5	12
FN59	Fjergen N	24	27	366	1.99	8	29	23.4	47	-3	47.3	10.6	17.2	1	-0.2	1	-10	15	65	19.4	-10	7	-5	14
FN60	Fjergen N	22	23	363	1.94	7	31	26	47.1	-3	57.1	11.2	19	4	-0.2	-1	-10	10	60	18.2	-10	8	9	13
FN61	Fjergen N	21	23	336	1.8	14	25	23.5	38.3	-3	52	10.2	14.7	-1	-0.2	4	-10	-5	43	16.9	-10	2	-5	13
FN62	Fjergen N	23	28	369	2.02	8	29	26	50.6	-3	50.1	10.7	17.2	2	-0.2	2	-10	-5	62	18.8	-10	7	-5	13
FN63	Fjergen N	18	18	437	1.72	5	20	23.7	44.6	6	32.5	9.7	10.7	-1	-0.2	-1	-10	28	48	13.3	-10	7	-5	9
FN64	Fjergen N	14	17	153	1.3	4	22	24.9	41.7	-3	21.3	10.7	11.4	2	-0.2	-1	-10	-5	31	18.9	-10	10	-5	11
FN65	Fjergen N	23	22	310	1.65	5	23	22.9	41.1	12	44.4	10.7	16.7	-1	-0.2	2	-10	-5	51	20.5	-10	7	-5	10
FN66	Fjergen N	24	27	412	1.78	8	25	20.8	41.7	-3	45.3	11.1	15.3	2	-0.2	1	-10	-5	50	21.1	-10	7	-5	11
FN67	Fjergen N	31	38	386	2.16	9	35	28.7	45.4	6	18	10.4	12.6	1	-0.2	-1	-10	-5	60	18.4	-10	6	-5	13
FN68	Fjergen N	19	18	371	1.59	6	21	22.6	35.9	6	23.6	9.8	13.4	-1	-0.2	-1	-10	-5	48	19.9	14	11	-5	9
FN69	Fjergen N	17	17	153	1.62	9	22	23.3	44.3	8	14.3	10.3	11.8	1	-0.2	3	-10	11	43	16.1	-10	12	6	8
FN70	Fjergen N	26	36	167	2.12	6	29	16.9	63.7	-3	10.3	5.9	6.7	1	-0.2	-1	-10	8	24	11	-10	12	-5	20
FN71	Fjergen N	39	52	261	4.59	20	65	19.8	84	-3	8.9	5	23.1	2	-0.2	-1	-10	-5	26	12.3	-10	8	12	27
	Fjergen N																							
FN72	Fjergen N	7	18	38	0.62	-1	9	5.8	20.6	12	15.1	2.6	3.2	1	-0.2	-1	-10	-5	11	2.6	-10	5	-5	6
FN73	Fjergen N	28	45	167	2.35	9	35	24.4	49.8	-3	13	9.2	10.4	-1	-0.2	-1	-10	-5	18	23	19	12	-5	20
FN74	Fjergen N	27	38	151	2.45	9	36	18.8	51.1	7	13.8	7.6	9.3	-1	1.7	-1	-10	-5	19	22.2	-10	11	7	18
FN75	Fjergen N	41	66	182	2.94	14	42	21.1	60.5	-3	9.9	6.5	10.2	-1	0.4	-1	-10	16	30	13.9	10	6	-5	18
		19	25	364	1.66	9	25	23.8	44.3	-3	38.5	10.5	17.9	2	-0.2	-1	-10	-5	55	17.1	-10	5	-5	11
		29	34	170	2.09	5	30	15.1	51.6	5	10.4	6.5	8	-1	-0.2	-1	-10	8	21	9.5	-10	11	-5	19

Spl.no	Target	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W	Pb	Bl	Li
		ICP70	ICP70	ICP70	ICP70	ICP7	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP7	ICP70	ICP70
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		2	1	2	0.01	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	1
FW50	Fjergen W	23	34	464	1.89	12	29	37.7	52.1	-3	10.4	17.1	8.4	2	-0.2	2	-10	-5	52	29.4	13	15	-5	11
FW51	Fjergen W	32	58	424	2.28	18	66	29.1	145	16	13.5	10.2	13.4	-1	-0.2	-1	-10	-5	189	12.5	13	4	-5	12
FW52	Fjergen W	27	35	215	1.9	6	28	31.1	50.6	11	13.9	12.8	13	-1	-0.2	-1	-10	-5	66	22	-10	4	-5	9
FW53	Fjergen W	56	24	220	2.09	16	18	28.3	55.9	-3	6.1	3.9	4	1	-0.2	-1	-10	8	265	8	-10	5	-5	9
FW54	Fjergen W	49	64	287	2.76	9	43	32.5	195	7	9.6	11	13.9	1	0.5	-1	-10	-5	137	15.5	-10	5	-5	20
FW55	Fjergen W	11	14	78	0.77	-1	13	14.6	31.9	12	11.8	9.6	4.8	-1	-0.2	-1	-10	-5	26	17.4	-10	7	-5	6
	Fjergen W																							
FW56	Fjergen W	23	29	106	1.27	4	20	19	65.6	-3	9	5.4	5.7	1	-0.2	-1	-10	-5	34	10.2	-10	8	-5	10
FW57	Fjergen W	32	33	184	1.79	7	27	42.2	224	-3	13	8.5	11.4	1	-0.2	-1	-10	-5	56	14.1	-10	12	-5	11
FW58	Fjergen W	38	35	573	2.76	14	17	11.3	51.9	-3	5.6	4.1	5.7	-1	-0.2	2	-10	-5	33	5.2	18	5	-5	6

Prepared by Bernt Røsholt 11/26/01

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FW59	Fjergen W	32	60	496	2.58	9	31	106	383	6	8.2	9.5	10.9	-1	-0.2	-1	-10	7	85	16.8	-10	3	-5	11
FW60	Fjergen W	29	33	244	2.12	6	32	27.5	147	5	22.5	11.3	15.5	-1	-0.2	-1	-10	-5	58	24.4	-10	4	-5	13
FW61	Fjergen W	24	32	150	1.78	5	26	37.5	96.5	-3	10.8	9.5	11.5	-1	-0.2	-1	-10	-5	42	17.1	-10	3	-5	12
	Fjergen W																								
		26	30	106	1.26	5	19	19.1	75.1	-3	8.7	5.5	5.1	-1	-0.2	-1	-10	-5	32	11.4	-10	7	-5	10
Spl.no	**Target**	**V**	**Cr**	**Mn**	**Fe**	**Co**	**Ni**	**Cu**	**Zn**	**As**	**Sr**	**Y**	**Zr**	**Mo**	**Ag**	**Cd**	**Sn**	**Sb**	**Ba**	**La**	**W**	**Pb**	**Bi**	**Li**
		ICP70	**ICP70**	**ICP70**	**ICP70**	**ICP7**	**ICP70**	**ICP70**	**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**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
		2	**1**	**2**	**0.01**	**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**	**1**
FO50	Fossvatnet S	29	33	182	1.95	13	29	91.4	82.5	4	6.8	8.7	1.3	2	-0.2	2	-10	-5	23	12.8	-10	5	-5	9
FO51	Fossvatnet S	20	24	389	2.68	24	33	123	119	-3	6.9	8	6.3	2	0.9	-1	-10	-5	23	9.9	-10	5	-5	5
FO52	Fossvatnet S	40	53	375	3.22	16	41	71.3	80.4	-3	10.1	8.9	10.5	2	0.5	1	-10	27	42	15.9	13	9	-5	13
FO53	Fossvatnet S	38	43	675	2.53	9	35	31.7	324	6	8.8	10.3	12	-1	-0.2	1	-10	-5	44	19	-10	10	9	14
FO54	Fossvatnet S	40	52	246	2.76	18	44	114	311	-3	7.7	8	4.2	2	-0.2	-1	-10	-5	41	13	-10	9	-5	12
FO55	Fossvatnet S	33	32	256	2.54	16	29	160	327	-3	5.1	7.6	4.7	1	-0.2	2	-10	-5	19	5.2	12	-2	6	3
FO56	Fossvatnet S	56	40	335	3.46	18	34	48.5	300	-3	11.2	12.3	9.2	3	1.2	3	-10	-5	86	12.5	-10	10	8	15
FO57	Fossvatnet S	33	32	198	1.85	21	25	96.7	223	-3	4.3	4.1	-0.5	1	0.4	-1	-10	-5	8	-0.5	-10	2	-5	3
FO58	Fossvatnet S	33	30	219	1.98	12	30	127	95.1	6	6.9	8.2	5	-1	-0.2	2	-10	-5	21	10.3	-10	4	-5	4
FO59	Fossvatnet S	28	29	173	1.83	9	29	56.7	98.8	-3	7.6	7.3	2.2	-1	-0.2	-1	-10	13	30	13.3	-10	10	-5	10
FO60	Fossvatnet S	26	21	162	1.96	16	27	108	104	4	5.6	5.6	3.1	3	-0.2	1	-10	24	11	6.4	-10	3	-5	4
FO61	Fossvatnet S	34	31	201	1.88	11	30	96.1	60.8	-3	8.7	7.4	2.3	2	0.2	3	-10	13	24	18.8	-10	6	-5	6
FO62	Fossvatnet S	20	18	224	1.15	7	16	39.7	57.8	-3	24	7.1	3.8	-1	-0.2	-1	-10	6	16	7.1	-10	2	-5	4
FO63	Fossvatnet S	30	31	205	1.77	11	27	100	74.1	-3	12.7	7.8	7	-1	1	1	-10	-5	27	11.6	-10	3	-5	6
FO64	Fossvatnet S	51	53	426	2.86	13	33	28.2	150	-3	8.9	9.3	6.9	3	-0.2	-1	-10	-5	22	11	-10	23	-5	10
FO65	Fossvatnet S	28	33	147	1.87	6	22	30.2	143	-3	6.9	4.6	2.5	-1	-0.2	2	-10	-5	18	7.9	-10	5	-5	10
FO66	Fossvatnet S	38	18	186	1.49	6	13	10.3	96.9	4	4.4	4.6	-0.5	1	-0.2	-1	-10	33	7	1.3	-10	4	-5	4
FO67	Fossvatnet S	49	41	380	2.47	12	32	44.7	155	-3	7	7.4	4.8	3	-0.2	1	-10	-5	48	4.1	-10	7	-5	8
FO68	Fossvatnet S	47	39	400	2.59	30	40	79.5	114	-3	8.4	7.3	5.9	2	0.7	-1	-10	-5	27	10.1	-10	7	-5	7
FO69	Fossvatnet S	44	55	499	3.11	17	36	36.5	174	-3	9.1	8.3	7.1	3	0.2	2	-10	-5	35	17.7	-10	13	-5	13
FO70	Fossvatnet S	24	30	158	1.46	8	20	43.5	54	-3	9.4	5.2	4.7	-1	-0.2	-1	-10	-5	39	11.4	-10	7	-5	8
FO71	Fossvatnet S	52	63	762	2.75	19	33	26.9	456	-3	8.9	9.2	4.1	3	-0.2	-1	-10	16	55	11.9	-10	12	-5	12
FO72	Fossvatnet S	49	56	448	3.52	18	46	126	111	-3	11.2	12.4	8.8	2	-0.2	-1	-10	-5	49	33	-10	4	-5	13
FO73	Fossvatnet S	32	43	143	1.54	2	17	45.1	110	-3	6.7	5.3	4	2	-0.2	-1	-10	9	24	9.7	-10	3	-5	5
FO74	Fossvatnet S	16	14	92	0.74	3	13	54	45.3	-3	6.2	4.8	3.3	2	-0.2	-1	-10	6	15	9.8	-10	2	-5	5
FO75	Fossvatnet S	38	43	350	2.58	7	38	61.9	144	-3	14.2	12.1	6.9	1	-0.2	-1	-10	-5	45	20.6	-10	8	-5	12
FO76	Fossvatnet S	32	33	1090	1.98	14	27	62.5	83.8	6	9.6	12.3	4.2	2	-0.2	4	-10	6	43	22.5	-10	10	-5	8
	Fossvatnet S																							
FO77	Fossvatnet S	18	17	235	1.15	6	17	27	126	-3	30.4	6.4	7.1	-1	-0.2	2	-10	14	25	9.5	-10	3	-5	5
FO78	Fossvatnet S	23	23	192	1.42	7	19	40.6	72.9	-3	14.5	6.6	6.6	-1	-0.2	-1	-10	-5	35	10.8	-10	4	-5	4
FO79	Fossvatnet S	32	42	278	2.37	15	31	57.8	63.4	-3	12.2	7.5	5.5	-1	0.4	-1	-10	-5	39	16.3	-10	5	-5	5
FO80	Fossvatnet S	19	19	240	1.33	4	17	33.7	125	-3	30.9	6.7	5.7	-1	-0.2	-1	-10	7	30	11.6	-10	2	-5	6
FO81	Fossvatnet S	25	27	336	1.63	8	21	32.4	184	-3	38.4	8	5.4	2	-0.2	2	-10	23	50	14.2	-10	5	-5	9
FO82	Fossvatnet S	24	35	300	1.91	4	25	26.6	253	-3	31.7	7.6	7.9	2	-0.2	2	-10	14	47	14.2	10	-2	-5	7
	Fossvatnet S																							
FO83	Fossvatnet S	19	22	521	1.91	5	20	26.7	673	-3	38.3	8.2	3.7	1	-0.2	-1	-10	-5	35	14.7	-10	6	-5	6
FO84	Fossvatnet S	22	21	279	1.49	7	18	31.7	142	6	40.4	7.4	7.3	1	-0.2	-1	-10	-5	38	13.3	14	4	-5	7
FO85	Fossvatnet S	26	29	266	1.9	10	21	31.5	283	-3	33.1	7.9	5.4	-1	-0.2	-1	-10	-5	55	16.3	-10	-2	-5	7
FO86	Fossvatnet S	21	25	278	1.7	4	20	32.2	140	4	36.6	7.5	10.8	-1	-0.2	-1	-10	-5	54	17.7	-10	6	-5	8
FO87	Fossvatnet S	33	35	271	2.05	8	27	62.3	70.1	-3	10.5	6.5	7.5	-1	-0.2	3	-10	28	38	20.2	-10	6	5	6

Deep soil samples Røros 2001

FO88	Fossvatnet S	21	24	317	1.63	7	21	45.9	69.9	-3	36.9	7.3	6.2	-1	-0.2	3	-10	-5	30	12.1	-10	6	-5	6
FO89	Fossvatnet S	19	21	269	1.33	6	18	27.3	36.5	-3	36.5	7	5	2	-0.2	2	-10	13	30	11.3	-10	-2	-5	8
		29	34	186	2	13	28	78.6	95.4	-3	7.2	8.7	1	-1	-0.2	2	-10	-5	25	14.6	-10	4	-5	8
		24	19	248	1.33	8	16	45.2	64.4	-3	25.5	7.6	4.4	1	-0.2	-1	-10	-5	14	7.6	-10	-2	-5	4
		18	14	99	0.8	2	13	53.6	47.5	-3	6.7	5.1	3.3	-1	-0.2	-1	-10	-5	14	10.2	-10	-2	-5	6
		24	25	272	1.67	3	20	32.4	128	6	35.8	7.9	11.9	-1	-0.2	-1	-10	-5	51	14.9	-10	7	-5	7

Enclosure 4

Bent

Lykke til

Einar

TARGET 99

FUNNSJØEN

MERÅKER

~~1:10000~~

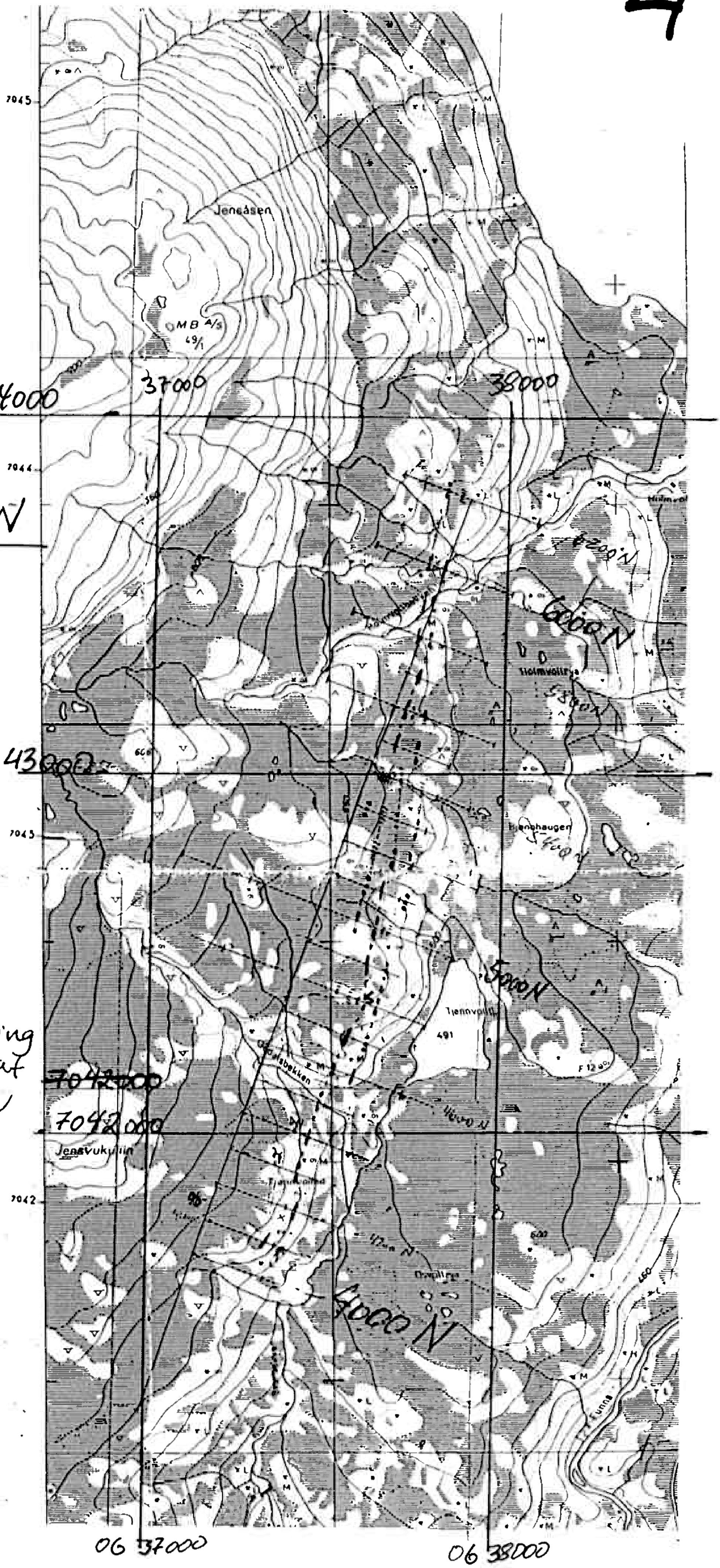
VLF + MAG

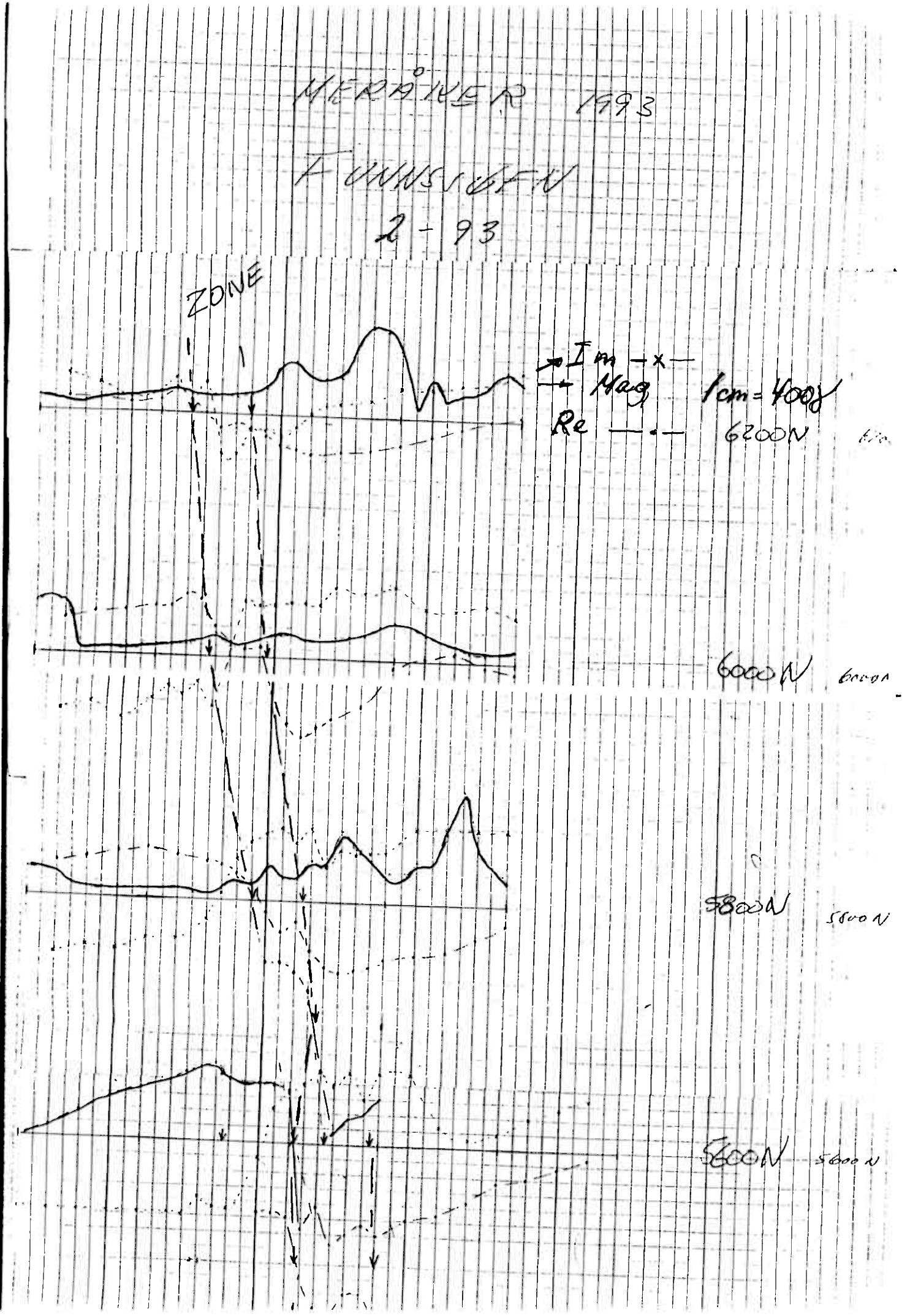
by NGU 1993

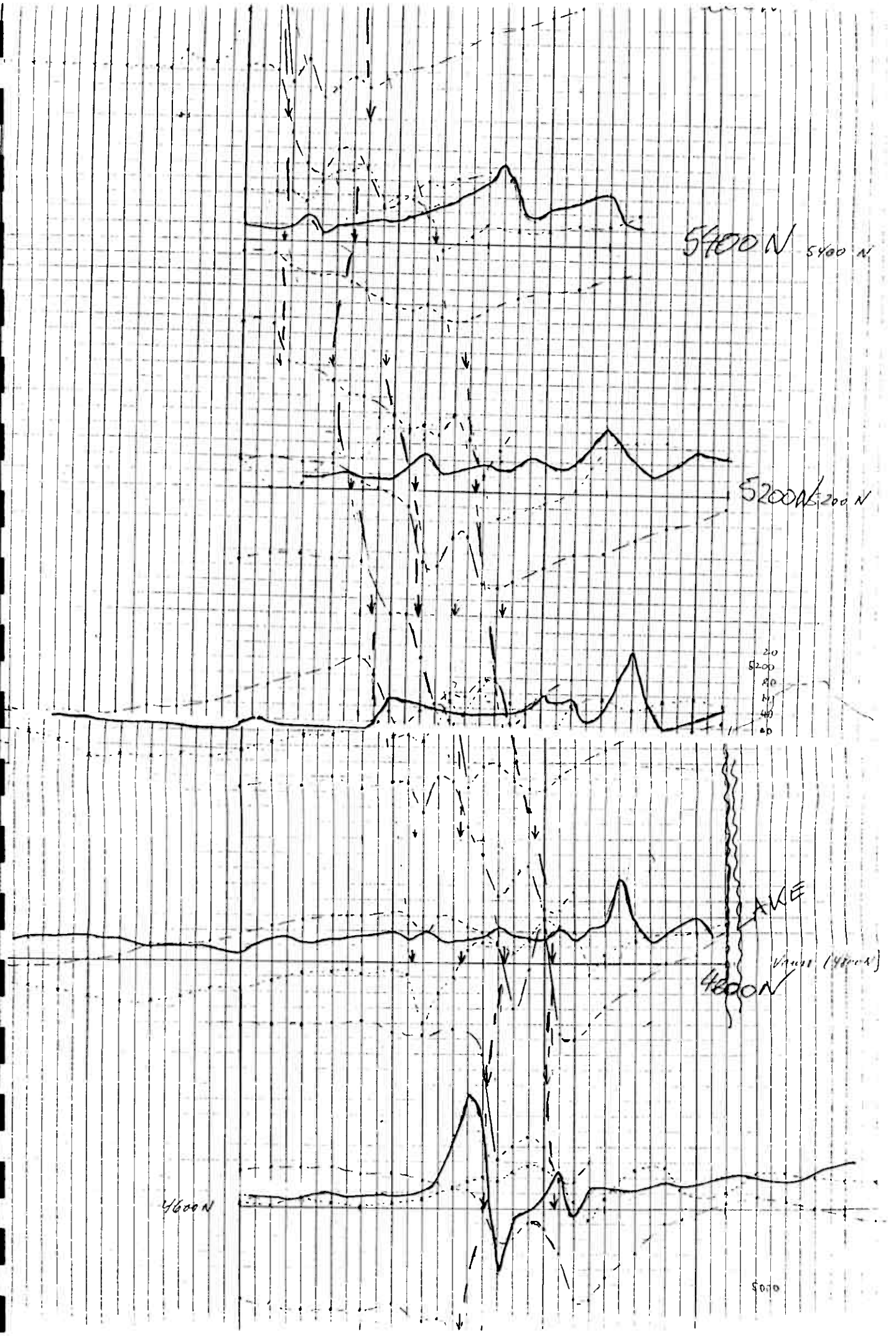
Bent.

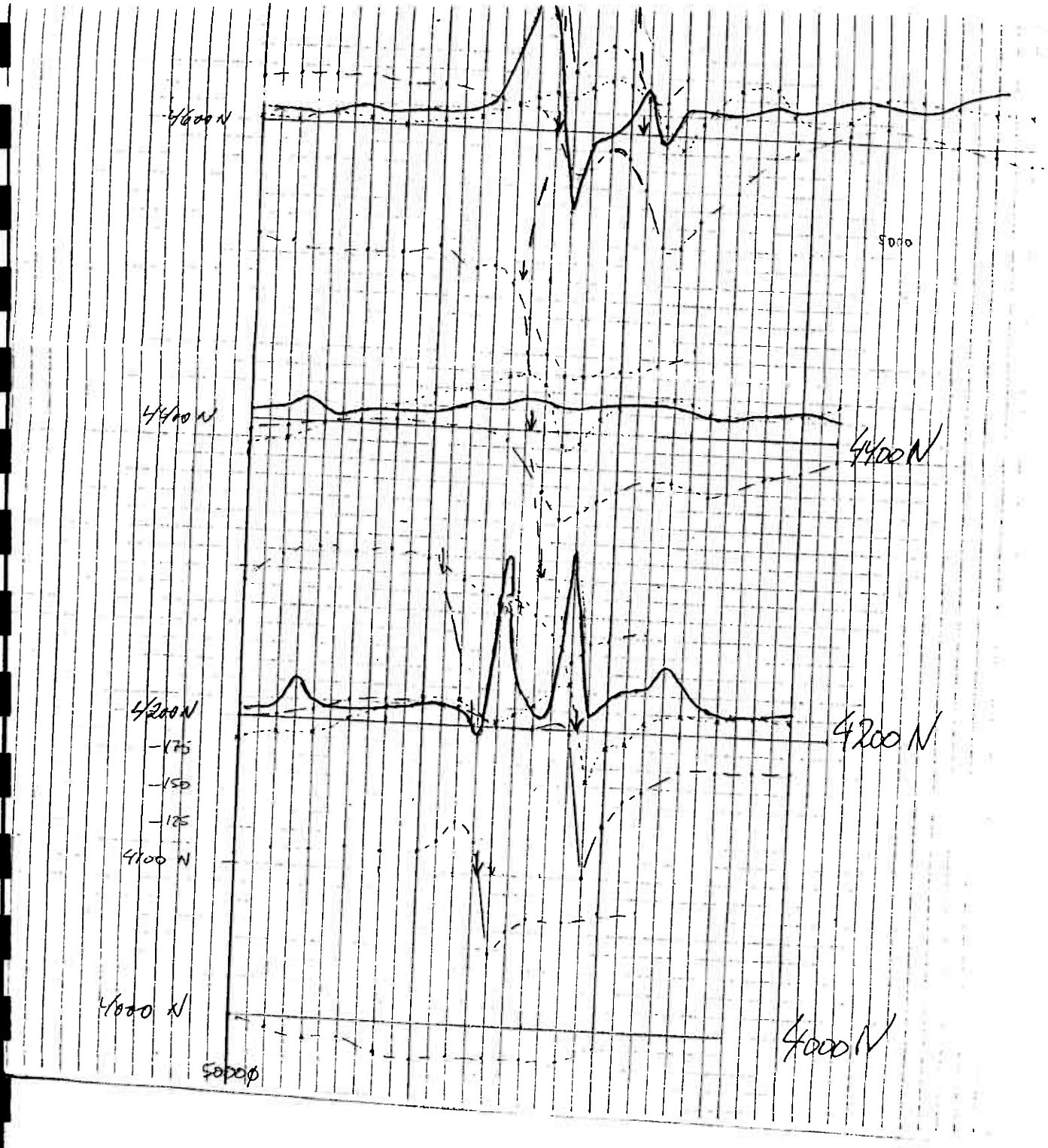
4100 N - 5166 E
4200 N - 5230 E
4700 N - 5203 E
4800 N - 5254 E
5000 N - 5178 E
5600 N - 5030 E

Responding Zone at Shallow depth




MERMER 1993
FRASER-N
2-93
ZONE
Im
Mag
Re
1cm = 400γ
6200N
6000N
5800N
5600N


5400N
5400 N
5200N
5200 N
LAKE
4600N
4600 N


4600 N
5000
4400 N
4400 N
4200 N
4200 N
-175
-150
-125
4100 N
4000 N
4000 N
50000

Results stream sediment samples Meraker 2000

Sample Ident	UTM E	UTM N	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd
Scheme Code			ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Analysis Unit			ppm	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection 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	0.5	0.5	3	0.5	0.5	0.5	1	0.2	1
SSU01	637748	7042937	-0.5	-0.01	1.07	1.44	0.04	0.03	0.37	2	0.08	51	53	1850	3.72	32	46	57.4	42.3	-3	6	3.9	1.7	-1	-0.2	-1
SSU02	637678	7042983	0.6	-0.01	1.25	1.57	0.04	0.09	0.3	1.7	0.08	81	110	2000	9.44	42	50	23.1	78	30	7.1	5.8	4.7	-1	-0.2	4
SSU03	637604	7043030	-0.5	-0.01	0.87	1.22	0.05	0.06	0.34	2.1	0.07	57	89	1260	4.26	24	57	17	57.8	-3	7.7	5.4	4	-1	-0.2	1
SSU04	637530	7043029	-0.5	-0.01	1.26	1.49	0.04	0.03	0.16	2.3	0.08	52	47	328	2.74	11	18	21	49.3	-3	3.7	5.1	2.4	-1	-0.2	-1
SSU05	637343	7043203	-0.5	0.01	0.35	0.64	0.04	0.05	0.14	1.4	0.04	21	34	97	1.07	5	22	8.8	21	-3	6.6	4.6	3.1	-1	-0.2	-1
SSU06	637445	7043247	-0.5	0.01	0.51	0.91	0.05	0.11	0.23	1.8	0.05	32	24	1470	2.8	26	18	12.6	40.9	-3	10.1	7	4.8	-1	-0.2	-1
SSU07	637497	7043337	-0.5	-0.01	0.45	0.74	0.05	0.08	0.17	1.5	0.04	25	31	397	1.79	12	23	11.5	27.2	-3	7.1	5	4.1	-1	-0.2	-1
SSU08	637604	7043354	-0.5	0.01	0.47	0.79	0.05	0.07	0.17	1.6	0.04	29	21	928	2.22	24	14	12.7	30.5	-3	7.6	6.6	4.1	-1	-0.2	-1
SSU09	637700	7043409	-0.5	0.01	0.48	0.78	0.04	0.08	0.19	1.5	0.05	27	22	369	1.62	10	13	11.5	31.4	-3	7.8	5.2	3.5	-1	-0.2	-1
SSU10	637836	7043498	-0.5	0.01	0.95	1.24	0.06	0.08	0.35	2.4	0.07	52	76	269	2.18	14	42	29	51.2	-3	8.3	4.3	3	-1	-0.2	-1
SSU11	637907	7043555	-0.5	-0.01	0.85	1.15	0.06	0.08	0.27	2.2	0.07	51	45	1170	2.73	21	26	23.7	51.3	-3	9.5	4.6	3	-1	-0.2	-1
SSU12	637990	7043601	-0.5	-0.01	1.03	1.32	0.05	0.08	0.25	2.1	0.08	59	54	1310	2.97	23	27	32.2	55.2	-3	8	3.7	1.7	-1	-0.2	-1
SSU13	638115	7043704	-0.5	-0.01	0.88	1.11	0.05	0.07	0.22	1.6	0.06	42	41	1320	2.42	21	21	14.6	50.2	-3	7.1	3.4	2	1	-0.2	-1
SSU14	638013	7042675	-0.5	-0.01	0.52	0.95	0.02	0.02	0.12	1.4	0.06	49	37	709	2.4	14	15	10.2	33.2	-3	4.5	4.2	2.3	-1	-0.2	-1
SSU15	637902	7042755	-0.5	-0.01	0.81	1.18	0.03	0.05	0.14	1.4	0.07	55	47	1250	3.91	23	23	15.3	61	3	4.2	3.7	3	-1	-0.2	-1
SSU16	637727	7043177	-0.5	-0.01	1.4	2.17	-0.01	0.03	0.23	4.1	0.26	120	167	371	4.06	49	71	81	48.3	-3	4.6	4.5	3	-1	-0.2	1
SSU17	637837	7043163	-0.5	-0.01	0.44	1.04	0.03	0.03	0.19	1.4	0.07	32	108	155	1.61	11	66	8.8	45.7	-3	6.9	5.5	2.1	-1	-0.2	-1
SSU18	637985	7043183	-0.5	0.02	0.55	1.07	0.05	0.09	0.23	2.1	0.1	27	25	118	1.53	7	14	12.5	32.1	-3	8.8	6.2	3.2	-1	-0.2	-1
SSU19	637858	7043587	-0.5	0.01	0.9	1.25	0.06	0.09	0.31	1.9	0.08	47	64	1570	3	24	40	32	51.4	-3	9.1	5.1	2.4	-1	-0.2	-1
SSU20	637749	7043543	-0.5	0.01	0.39	0.73	0.04	0.07	0.17	1.3	0.05	21	19	452	1.66	8	11	7.2	27.7	-3	7.9	4.8	2.4	-1	-0.2	-1
SSU21	637801	7043638	-0.5	0.01	1.3	1.68	0.05	0.1	0.4	2.3	0.11	76	69	1920	3.39	27	37	34.5	49.9	-3	6.3	4.3	1.2	-1	-0.2	-1
SSU22	637556	7042634	-0.5	0.01	0.38	0.64	0.07	0.09	0.27	5.9	0.04	41	25	123	1.34	14	52	43.2	31.1	-3	9.6	10.4	8.2	-1	-0.2	-1
SSU23	637654	7042594	-0.5	-0.01	1.71	2	0.05	0.13	0.35	1	0.1	67	80	654	5.35	21	44	42.2	54	-3	6.5	2.4	1.8	-1	0.4	-1
SSU24	637839	7042504	-0.5	-0.01	0.32	0.59	0.07	0.08	0.21	1.1	0.04	11	13	83	0.82	4	14	7.1	20.2	-3	8.6	4.4	2.9	-1	-0.2	-1
SSF01	636876	7025998	0.6	0.01	0.67	1.17	0.06	0.1	0.29	4.7	0.06	43	50	1280	8.8	24	29	49.3	73.9	-3	8.8	48.6	12.1	2	0.3	2
SSF02	636945	7025918	1	-0.01	0.69	1.38	0.05	0.07	0.38	2.7	0.07	53	36	1480	>15	50	28	23.3	100	-3	17.5	14.5	7	4	0.3	5
SSF03	636874	7026078	-0.5	0.01	0.45	1.59	0.07	0.05	0.31	2.2	0.07	39	42	222	2.42	15	23	18.5	67.3	-3	8.4	9.6	1.6	1	-0.2	-1
SSF04	636857	7026161	-0.5	0.01	0.7	1.3	0.08	0.12	0.29	1.9	0.08	34	76	634	2.8	20	47	17.8	71.3	-3	9.5	5.7	1.4	-1	-0.2	-1
SSF05	636795	7026242	-0.5	0.01	0.76	1.49	0.06	0.1	0.32	2.5	0.07	33	36	903	2.83	17	23	27.3	86.4	-3	12.2	6.5	1.4	-1	-0.2	-1
SSF06	636994	7026190	-0.5	-0.01	0.11	0.32	0.02	0.01	0.07	0.9	0.05	14	14	109	0.33	2	3	6.8	8.2	-3	3.6	1.9	1	-1	-0.2	-1
SSF07	637116	7026055	-0.5	0.01	0.11	0.32	0.02	0.01	0.08	0.6	0.1	51	39	536	2.03	10	21	5.9	13.9	-3	3.8	1.7	1.1	-1	-0.2	-1
SSF08	636930	7026275	-0.5	0.01	0.33	0.59	0.06	0.06	0.19	0.9	0.07	53	35	12710	5.09	96	31	13.7	50.6	-3	9.2	2.9	1.7	-1	0.7	-1
SSF09	636951	7026370	-0.5	0.01	0.59	0.99	0.04	0.09	0.17	1.4	0.08	44	29	4910	5.32	55	21	16.4	59.1	-3	7.1	4	2.6	-1	-0.2	-1
SSF10	636941	7026481	-0.5	0.01	0.53	0.88	0.03	0.07	0.17	1.7	0.07	24	27	1090	1.71	14	17	20.3	46.7	-3	7.1	4.6	2.4	-1	-0.2	-1

Meråker NE ore field	SSU	Funnsjøen, Target no 99
Meråker SE ore field	SSF	Fossvatnet S, Target no 87

Prepared by Bernt Røsholt 1/14/02

Encl. no 5.

Sn	Sb	Ba	La	W	Pb	Bi
ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	IP 70
ppm	ppm	ppm	ppm	ppm	ppm	ppm
10	5	1	0.5	10	2	5
-10	-5	40	6.6	-10	4	-5
-10	-5	48	*INF	-10	12	-5
-10	-5	32	8.9	-10	13	-5
-10	-5	9	5.8	-10	2	-5
-10	-5	16	10	-10	8	-5
-10	-5	34	13.4	-10	14	-5
-10	-5	18	11	-10	9	-5
-10	-5	22	12.8	-10	11	-5
-10	-5	22	10.2	-10	9	-5
-10	-5	21	8.7	-10	8	-5
-10	-5	30	8.6	-10	8	-5
-10	-5	29	6.5	-10	15	-5
-10	-5	27	6	-10	5	-5
-10	-5	18	7.6	-10	8	-5
-10	-5	31	7.5	-10	12	-5
-10	-5	39	4.1	-10	-2	-5
-10	-5	18	11.3	-10	4	-5
-10	-5	23	14.4	-10	4	-5
-10	-5	30	9.7	-10	9	-5
-10	-5	17	9.9	-10	12	-5
-10	-5	53	7.4	-10	7	-5
-10	-5	30	14.8	-10	5	-5
-10	-5	35	8.3	-10	4	-5
-10	-5	19	8.8	-10	39	-5
-10	-5	37	*INF	-10	8	-5
-10	-5	51	*INF	-10	8	-5
-10	-5	23	20.8	-10	6	-5
-10	-5	27	11.6	-10	5	-5
-10	-5	26	10.9	-10	6	-5
-10	-5	8	4	-10	4	-5
-10	-5	9	3.9	-10	15	-5
-10	-5	78	8.3	-10	24	-5
-10	-5	45	10.8	-10	13	-5
-10	-5	29	11	-10	7	-5

Prepared by Bernt Røsholt 1/14/02

Encl. 6.

Sept. 16 2000

6. Fjergen West

It was expected, based on existing geological maps, that this conductor is hosted in the Turifoss Greenstone, but even though most of the area is covered, scattered outcrops in the southern part show that the area is underlain by sediments, belonging to the Kjølhaug Group. The structures in the target area also deviate from the prevailing strike direction given on the existing map. The rocks are striking ENE-WSW, dipping NNW.
The sediments are distinctly banded, in cm to dm scale, with alternating massive greywacke and more schistose, green bands. Gabbro lenses with a wide size range, from >500m long to small nodules, are common, and here, like so many other examples regionally, they seem to play an important controlling role for mineralization. Because of the restricted exposure, this is not proved (all the picks are covered), but rather insignificant cpy-po-disseminations bound to gabbro margins (and in the strike extension of gabbro lenses), are seen several places.
As such mineralizations are encountered at separate structural levels west of Fjergen, also the anomaly picks seem to occur at apparently different levels. Folding, with WSW-plunging axis, could explain this.
Observations along the trend:

- 643044 7038134: Small exposure. Tiny blast (<<1m3) in a 20-50cm thick rust-lens, with cpy-po-diss. in silicyfied greywacke and in hydrothermal quartz (sample 400631). A small (10x5cm2) nodule of finegrained amphibolite occur in the sulfide zone. Sch: 237°/50°. From the blast, scattered outcrops of sediment along an apparently higher structural level to 643075 7038165.
- 643018 7038116: Few floats derived from a complitely refilled, tiny "digging". They show silicyfied sediment/quartzite with weak cpy-po-diss. (sample 400632), hydrothermal quartz with rich cpy-diss. (sample 400633), and finegrained amphibolite with weak cpy as fracture filling and minor as diss. Susc. 10-60K at the floats.
- 643025 7038151: Finegrained greywacke with dm- to 1m thick bands/lenses of finegrained amphibolite.
- 642996 7038138: Folded, banded greywacke, axis 242°/20°.
- 642980 7038110: Gabbro, at least 3m thick, continues 12m SW-wards, with folded, banded sediment, containing small gabbro lenses, along the NW-contact. Almost continuous exposure to 642958 7038082.
- 642920 7038050: Small outcrop. Narrow rust-band in the sediment along margin of a 30cm thick gabbro lens. Close by, several, up to 1m wide gabbro lenses in the sediment.
- 642843 7037978: Two, 2-3m thick gabbro lenses (finegrained amphibolite) with rusty sediment along the contacts.
- 643039 7038094: Tiny outcrop of gabbro/finegrained amphibolite with po-cpy-diss. (sample 400635). 3m to the north: small sediment outcrop.
- 643084 7038194: Tiny outcrop of banded sediment with dm-thick gabbro lenses. Pick a is covered, but seem to occur at an apparently higher structural level than the mineralization at the blast.
- 643126 7038224: Folded, banded (banding 246°/50°) sediment.
- 643160 7038201: Small outcrop of medium grained gabbro.
- 643173 7038207: 10-20cm thick sheared schist zone with hydrothermal quartz and weak cpy-po-diss. between two 1m-thick gabbro-lenses. This is apparently about the same structural level as the mineralization at the blasting. Covered NE-wards, until:
- 643323 7038511: Tiny outcrop of gabbro.
- 643374 7038523: Exposed 10m thickness of banded greywacke with few gabbro-lenses. Sch: 247°/45°.

- 643750 7038900: Extensive (approx. 500m long) gabbro lens exposed along the shoreline.
- 643403 7038529: Banded greywacke.
- 643412 7038564: Banded greywacke.
- Covered northwards, until 643727 7039108, where, along the shoreline, is exposed banded (cm-dm scale) greywacke and green tuffitic(?) layers. Banding: 235°/40°. Only 15m NE, separate outcrop of same rock, but with banding 10°/70°. Just north of here can be observed mylonite zones with discordant relationships. In the southern part of the outcrop at 643727 7039108 (just north of the stream) appears a gabbro lens with a few-cm thick po-cpy-diss. along the margin.
- Weak anomaly pick at 643858 7039430: 2.5m thick gabbro lens with up to 10-15cm thick rustzones, consisting of sheared and mylonitic schist rich in hydrothermal quartz and nodules of gabbro, plus cpy-po-diss., along both margins. The gabbro lens wedge out, but the rustzone (with incorporated gabbro nodules) continues northwards into the lake. Also a few-cm hick shearzone in the gabbro lens.
- Anomaly pick at 644314 7041405: Along the shoreline and partly under the waterline can be seen a rusty schistzone, 3m thick in the south, squized to 10cm thickness between two, at least 5m thick gabbro-lenses.

Here can be mentioned the quarried gabbro in Dalådalen, which in places is significantly rusty, carrying po(-cpy)-diss. (sample 400634).

Soil samples are collected along a profile crossing anomaly pick a (FW01-11). To obtain soil samples around anomaly picks b and c, machine powered DOB sampling is necessary.

7. Fjergen North

This conductor is completely covered, located in a swampy terrain, where soil sampling by hand auger is prevented by the thickness of the bog. Surprisingly enough, it proved possible to reach down to silt in the northern part of the area, mainly in connection with small ponds and creeks, consequently the sampled sediments could almost be characterized as stream silts. The samples (FN01-23) are collected erratically, where practically possible.
Grid lines are found crossing the conductor, expectedly NGU has conducted ground geophysics here in 1993.

SE of this conductor, is a weak anomaly pick at 645723 7040823, where it proved to be a small gossan at the shoreline. 35m to the SE is exposed a folded, banded sediment; alternating layers of greywacke and green, tuffitic(?), chloritic phyllite, with frequent, few-cm thick quartz bands, often rusty, with associated po and cpy. Exposure of same 10m SE of the gossan, here isoclinally folded, axis 20°/15°. Banding generally 200°/25°. 3-10m west of the gossan, outcrop of carbonaceous greywacke with green bands and quartz bands.

8. Funnsjøen

This anomaly appears in the Fundsjø Group volcanics, here dominated by intercalated mafic and felsic tuffs with minor massive, basaltic flows and a few thin marble layers.
The approximately 1.5km long conductor is exposed only in the northern end, in two stream intersections (very few outcrops can be found except in the stream cuts). The conductive unit is here a 4m thick felsic to intermediate tuff with po-diss. (about 5% po), with few-cm-thick sulfide bands where po is enriched to 20-50%.

Felsic tuff and quartz keratophyre (white quartz-albite rock) are occasionally found to host thin po-cpy-disseminated horizons.
In the footwall rocks of the anomaly, thin massive to semimassive layers of magnetite in felsic to intermediate tuffs, are observed in two stream cuts, and can well be connected.
As most of the conductor is covered, the crossing streams are used as a geochemical screen.
24 stream silt samples are collected (SSU01-24).
Geophysical ground measurements are conducted in 1993 by NGU.
Following observations are done, mainly along stream cuts:

- From 637799 7042830 to 637782 7042825: Greenschist with epidote nodules/lenses (from <1cm to 6-7cm size)(susceptibility 10-20K, occasionally up to 100-120K). Intercalated, up to few-dm thick felsic layers (contains mm-sized quartz eyes), with up to 160K, then with po-py-diss. 40cm thick felsic layer with cpy-diss. in the upper 5cm (5-25K), capped by 10cm thick chlorite schist (up to 130K). Sch: 175°/40°.
- 637762 7042920 and 20m downstream: Alternating (chloritic) greenschist (occasionally with weak py-diss., 50-80K) and felsic to intermediate layers (in places with weak po-diss.).
- 637770 7042918: 5cm thick layer of massive magnetite (15000-30000K, sample 400624) in light green felsic to intermediate tuff with mt-diss. Similar tuff 4m stratigraphically higher (up to 2800K), underlain by mixed mafic-felsic tuffs (5-90K).
- 6377487042937: Tiny outcrop of at least 30cm thick greenish, felsic to intermediate tuff with po-diss. (100-150K, sample 400625).
- 637726 7042953: Hosted in chloritic greenschist (40-60K), 10cm thick white quartz keratophyre (quartz-albite rock) with po(-cpy)-diss. (40-70K, sample 400626), underlain by 5cm thick marble.
- 637670 7042986: Dom. greenschist (40-140K) with felsic layers (5-10K). Sch: 195°/31°.
- 637621 7043011: Greenscist (40-50K).
- 637593 7043035: Greenschist (30K).
- 637496 7043019: 1m thick "magnetic", massive, felsic layer with up to 1mm sized blue-quartz eyes and weak po-diss. (200-1500K). Footwall: 2m thick schistose felsic tuff (0-10K), underlain by at least 15m thick greenschist (30-40K). Hangingwall: Dom. felsic tuff with minor greenschist (5-10(-50)K). 25m upstream, another 1m thick "magnetic" felsic layer (300-500K), overlain by at least 10m thick mixed tuffs.
- 637489 7043136: Small outcrop of massive, finegrained amphibolite (80-90K).
- From 637604 7043354 to 637666 7043377: Mixed tuffs (0-20K).
- 637666 7043377: 10cm thick weakly rusty chlorite schist with po-diss. (up to 500K).
- 637700 7043409: Chloritic greenschist (40-90K). Scattered outcrops of greenschist downstream to:
- 637783 7043496: 4m thick light green felsic tuff (quartz-sericite schist) with approx. 5% po (400-1100K, sample 400628). Cm-thick bands are enriched to ca. 20% po, and contain traces of graphite. Chloritic greenschist (40-60K) above and below.
- 637819 7043490: 0.5m thick layer in chloritic greenschist contains po-diss. (100-400K, sample 400627).
- 637830 7043495: Felsic tuff.
- 637794 7043061: Low hill with exposed massive mafic flow, with footwall of greenschist with felsic layers.
- 637835 7043623: Vertical wall exposing 4-5m thick felsic to intermediate tuff with po-diss. (200-700K). Po is enriched to semimassive in few-mm thick layers. One band is fold-thickened to 6cm semimassive po (2000K, sample 400629); immediate wallrock is light quartz-feldspar-muscovite schist. Intercalated marble layers (less than 2cm thick) and –nodules/lenses (up to 50x20cm2). Sch: 172°/40°.
- 637788 7043565: Exposed 0.5m thick, white quartz keratophyre with po-cpy-diss.(sample 400630), where cpy is limited to the margins of up to 10cm thick quartz lenses.
- 637736 7042563: Chloritic greenschist to chlorite schist (with intercalated minor mm-cm-thick felsic layers) with few-mm-thick massive, finegrained magnetite-bands (2000-10000K).

Sept.16.2000.
Rune Wilberg

Addition to report by Sept. 16. 2000

Meråker area

Crew-Noranda

Conclusions and recommendations:

1. Husmannsberget (fig. 1)

The historical showings Anna, Duddu, and Ebba responds to the airborne geophysics. The small Gøsta showing and the Anna Zn-showing show no response. These latter two seem to occur in more or less same structural level, with py-disseminated greywacke exposed between them. The most interesting trend, which demands some follow-up, is a burried conductor approx. 100 m east of the known gabbro-contact-related showings.
In the cases where mineralization has been found away from the gabbros (the sediments are rarely exposed, contrary to the elevated gabbro bodies), like at the Anna Zn-showing and at the Duddu adit, they seem to be more Zn-rich than the Cu-dominated mineralizations along the gabbro-contact. This could meen that the Cu-pyrrhotitic, often brecciated, mineralizations rooted along the gabbro-contacts represent feeder-zones to more distal, Zn-rich, banded pyritic mineralizations. Both ore types occur at Anna and Duddu, with this spatial relation to gabbro (see 1998 rep.). This model favours the buried conductor, which is believed to be hosted in sediments away from known gabbro.
The two soil sample profiles show that this conductor has coinciding Zn(-Cu) geochemical anomaly. Poisoned drainage is also positive indicator related to this conductor (fig. 1). It was found a couple of shallow, regrown trenches in the overburden close to this conductor (fig. 1).
First step in the follow-up should be to dig up some info from the 1970`s ELKEM survey.

2. Fossvatnet North and South (fig. 2)

Since the ground north and south of Fossvatnet is heavily covered, soil- and stream geochem. are essential for upgrading the target(s). Geochem. was not conducted in the area north of Fossvatnet, and prospecting proved no mineralization. South of the lake, the positive fact is that we know that massive Sl-Cpy mineralization (assaying 12.3 % Zn and 2.3 % Cu) is intersected by a hydropower shaft. The dimensions are possibly small, though. A weak AEM pick shows up 60 m NNE of the shaft, with weak continuation southwards (possibly faulted, like the b-c-d conductor to the west); while the NGU ground geophysics give no response here.
The trend through b, c and d is tested with two soil profiles and two stream silt profiles, which gave slightly elevated Zn- and Cu-contents coinciding with the conductor. Since the recognitional geochem. gave some indication of mineralization, and with the conductor from the NGU survey in mind, systematic DOB sampling should be considered.

3A. Gåsvollfjellet North

No geochem. conducted. Graphite-related.

3B. Gåsvollfjellet South

The southern part of this trend is proved to be related to py-bearing graphite schist. The soil profile over the covered northern extension do not indicate any other reason for the anomaly; the slightly elevated Zn-contents occur up-slope, west of the conductor.

4. Svartåtjern NW

No geochem. conducted. Graphite-related.

5. Gåstjønna NW

Recce soil samples did not upgrade this target, which is believed to be graphitic phyllite with traces of sulfides.
The last mentioned 4 targets are hosted in the "Meråker Phyllite" in the Sulåmo Group, which seem to hold limited potential for massive base metal sulfides. Most of the AEM anomalies, if not all, are seen to be related to graphitic sediments.

6. Fjergen West (fig. 3)

The recce soil profile failed to upgrade. It could be considered to DOB-sample the swampy area around pick b and c, Although, the frequent sulfide mineralizations found in this area (disseminations bound to small gabbro lenses), genetically and sizewise, are discouraging. Two grab samples collected at the diggings assayed 1.3 % Cu.

7. Fjergen North (fig. 4)

The silt samples show no coinciding anomaly with the EM trend, but their reliability are questionable in this swampy area, and DOB-sampling should be considered, also covering the EM-anomaly with gossan to the SE (fig. 4). Check with NGU for ground geophysics from 1993.

8. Funnsjøen (fig. 5)

This anomaly should be left with a negative conclusion, based on the combined prospecting and geochemical (stream sed.) efforts. It is believed that the entire 1.5 km long conductive trend is caused by a 4-5 m thick, po-disseminated, felsic to intermediate tuff, with "no" base metals (up to 287 ppm Cu and 84 ppm Zn). The susceptibility in this zone, and in one, or more massive magnetite-layers in the footwall, can explain the mag-anomalies coinciding with the AEM trend. Minor sulfides are seen to be dispersed in a thick volcanic unit, above and below the main conductive trend; mainly as weak po-disseminated tuff layers and a few, cm-thin cpy-disseminated felsic tuff-layers.

None of the sampled sulfide-disseminations assayd more than 0.1 % combined base metals. Neither do the stream silt assays support further follow-up.

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