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Kommune Porsanger	Fylke Finnmark	Bergdistrikt Troms og Finnmark	1: 50 000 kartblad 20353 20344	1: 250 000 kartblad Karasjok Honningsvåg
Fagområde Geologi	Dokument type Rapport	Forekomster Karenhaugen Riita Porsvann Corgus Nesvatnet Fossestrand Dartijærvi		
Råstofftype Malm/metall	Emneord Au Ag Cu Pb Zn Ni Co W Bi As			
Sammendrag The gold potential of the Porsanger area south of Lakselv has been investigated within the framework of the N.H./BP Joint Venture agreement. The Porsanger area has been investigated several times during the last 80 years. In this area there are two types of sulphide deposits both associated with Svekokarelian metamorphosed basic/ultrabasic rocks: Type 1: Stratabound sedimentary pyrite-Pyrrhotite deposits low in copper. Type 2: Bornite -digenite-chalcocite deposits in metadolerites and ultrabasic rocks. 147 lithosamples and 209 stream sediment were analysed for Au, Ag, Cu, Pb, Zn, Ni, Co, W, Bi, and As. 49 lithosamples and 25 stream sediment samples returned detectable gold with highest value of 290 ppb in lithosample. The sample program has been concentrated in the most promising areas and the above mentioned highest value may accordingly be regarded as optimal for the investigated area. It is concluded that the precious metal potential of the Porsanger areamay be considered as negligible, and no further action is recomended.				



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The gold potential of the Porsanger area south of Lakselv has been investigated within the framework of the NH/BP Joint Venture agreement.

The Porsanger area has been investigated several times during the last 80 years. In this area there are two types of sulphide deposits both of which associated with Svecokarelian metamorphosed basic/ultrabasic rocks:

Type 1 Strata-bound sedimentary pyrite-pyrrhotite deposits low in copper and

Type 2 Bornite-digenite-chalcocite deposits in ?metadolerites and ultrabasic rocks. The main aims of the present investigation were to test the two types of mineralisation for gold with the aid of litho geochemistry and to test the gold potential of a larger area by stream sediment geochemistry. 147 lithosamples and 209 stream sediments were analysed for Au, Ag, Cu, Pb, Zn, Ni, Co, W, Bi and As.

49 lithosamples and 25 stream sediments returned detectable gold with a highest value of 290 ppb in lithosamples.

The sample program has been concentrated in the most promising areas and the above mentioned highest gold values may accordingly be regarded as optimal for the investigated area.

It is concluded that the precious metal potential of the Porsanger area may be considered as negligible, and no further action is recommended.

The J.V. claims have been abandoned.

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1. INTRODUCTION

In 1983 P.M. Ihlen carried out a comparative study between the Archean gold-bearing greenstone belts of the Abitibi-region in Canada and the Precambrian greenstone belt of Finnmarksvidda in northern Norway (Ihlen, 1983). Ihlen (op.cit.) concluded that the lithologies of the two regions do not compare easily but suggested nevertheless that the precious metal potential of known copper showings in the Porsanger area should be investigated. This suggestion was based on older reports that describe gold occurrences in the Porsanger area and the proximity of this area to the alluvial gold fields in the Karasjok region.

It was accordingly decided to investigate an area of 400 km² within the framework of the NH/BP JV agreement. This area was defined as a 16 km wide and 25 km long zone stretching from Lakselv in the north to Øvrevatn/Gaggajavri in the south (Fig.1). Three areas totaling 40.5 km² within this zone were claimed as they contain the greatest density of known copper showings. Approximately half of the JV-area consist of a military training ground, and 24,5 km² of the 40,5 km² claimed lie within this area. A written application concerning permission to prospect the military area was sent to the Defence Command but was refused. The main effort of the planned investigation was accordingly concentrated in the area to the north of the military zone.

2.

PREVIOUS WORK

The JV-area was mapped in the scale of 1:100.000 by Crowder (1959) and the area to the north of the military zone was mapped by Pharaoh (1981) in the scale of 1:50.000.

The Porsanger copper showings have been investigated intermittently since the beginning of this century but no economically interesting deposits have been defined. The first mining activity took place in 1907-08 and localized high gold values are reported from this period, including a 75,6 ppm Au-value from a 30 cm wide quartz-vein in the so-called "gold-shaft" (locality 122, Appendix 3). Later analysis from 1923 of samples from this locality returned considerably lower gold-values with a maximum of 2 ppm.

In 1931 the area was investigated again (Carlson, 1931). Rock samples from various localities including the above mentioned gold-showing were analysed and returned up to 2 ppm Au.

Assays of concentrates from flotation tests on copper ore (carried out in 1932) showed the presence of up to 0.7 ppm Au and a average of 50 ppm Ag. The waste contained no gold (i.e. less than 0.2 ppm) but average Ag-values of 2 ppm were detected. Assays of concentrates from flotation tests on pyrite mineralization from the area returned ca. 2 ppm Ag but no gold values above detection limit (i.e. 0.2 ppm).

The copper potential of the Porsanger area was reinvestigated in 1939 with the aid of geophysics and diamond drilling (Poulsen, 1939); no gold analysis are reported from this period.

In 1965-66 renewed interest in the area led to a NGU/SYDVARANGER joint venture project which included

detailed mapping and sampling of the copper- and pyrite showings (carried out by G.Juve and B.Røsholt). The results from this project, comprising field reports and sketchmaps, were obtained from G.Juve at the NGU.

An IP- and magnetometry survey was carried out in the Karenhaugen area (Fig.2) by the USB in 1979, but it failed to indicate the presence of potentially interesting copper mineralization.

3. REGIONAL GEOLOGY

The rocks of the JV area are assumed to be of early Proterozoic age. According to Crowder (1959) and Pharaoh (1981) the lithologies of the Lakselv district may be divided into three major tectonostratigraphic units:

- | | |
|--------------|--|
| Lower unit: | Amphibole schists with a few pyrite-bearing horizons. |
| Middle unit: | Micaschists with marble intercalations.
Massive amphibolites, greenstones, greenschists and ultramafic rocks. |
| Upper unit: | Banded meta-arenites.
Garnet-amphibolites and amphibole schists. |

The rocks have undergone a complex structural development including at least three fold phases that give rise to a complicated outcrop pattern.

3.1 The lower unit

This unit consists of a relatively homogenous sequence of finely banded amphibolites; the banding is at the scale of 0.1 cm to 10 cm and is defined by alternating layers of garnet-amphibolite- or amphibole schists and

quartz-biotite-hornblende- and quartz-epidote schists. In some areas this banded sequence grades into grey amphibole schists, i.e. the lighter coloured quartz-bearing component of the banded sequence becomes subordinate. These amphibole schists show local intercalations of dark, massive amphibolites (? meta-dolerites) which have been trenched here and there due to the presence of malachite stained joints. The transitional areas between the banded sequence and the grey amphibole schists are characterized by cm- to several m-thick intercalations of pyritic horizons, sericite schists and actinolite-epidote schists.

3.2

The middle unit

The main lithologies of this unit are garnet-biotite-, mica-, and quartz-sericite schists showing gradations into banded amphibole schists with bodies of schistose metagabbro. Intercalations of pink calcite marble occur locally and a number of bodies of massive, dark amphibolite carrying chalcocite-bornite mineralization have been noted.

The ultramafic rocks of the Karenhaugen massif occur tectonostratigraphically within the finely banded sequence of quartz-feldspar-mica schists and above the marble-bearing zone. The chalcocite-bornite-bearing ultramafic body consists of coarse- to medium grained uralite-actinolite rocks showing features in the central parts indicative of an eruptive origin; the outer parts of the body are schistose. Similar, although smaller bodies of ultramafic rocks occur elsewhere in this district.

3.3 The upper unit

The upper tectonostratigraphic unit is predominately present in the southwestern part of the JV-area and is bordered by a prominent WNW-SSE trending faultzone (Fig.3).

The metaarenites of this unit are laminated, reddish quartzites with varying amounts of feldspar and mica and exhibiting rare sedimentary structures. Individual layers within this unit show evidence of isoclinal folding and weakly foliated metadolerites transect these folds; these basic rocks are similar to the Cu-sulphide-bearing massive amphibolites.

To the south of the WNW-SSE trending faultzone (Fig.3) a major metagabbro intrusion and two smaller ultramafic/metagabbro bodies occur; the latter show gradations between metaperidotite-serpentine and metagabbro. Similar ultramafic rocks occur south of the military training ground. Other mafic rocks of this area include basic metavolcanites exhibiting rare primary structures.

4. MINERALIZATION

Two types of mineralization are present in the JV-area: pyrite-pyrrhotite dominated and Cu-sulphide dominated.

4.1 Pyrite-pyrrhotite mineralization

Stratabound, sedimentary/diagenetic pyrite-pyrrhotite mineralization is associated with quartz-sericite-, and quartz-biotite schists in the transitional areas between finely banded amphibolites and amphibole schists. The rusty mineralized horizons vary in thickness from a few cm to ca. 5 m and may be traced over several hundred meters along strike. The Fe-sulphides and subordinate

chalcopyrite and arsenopyrite occur in cm-thick quartz-rich schlieren in these layers which locally are graphite-bearing.

4.2 Cu-sulphide mineralization

Two main types of lithologies host the copper mineralization of the Porsanger area:

The metadolerites are characterized by numerous small fracture-bound bornite-digenite-chalcocite showings and a number of occurrences of bornite/chalcocite with varying amounts of chalcopyrite and subordinate molybdenite that occur in 0.1-1.5 m wide shear zones. Associated with this type of mineralization are up to 0.5 m wide concordant, semiconcordant and discordant layers, schlieren and veins of quartz, frequently with noticeable bornite-chalcocite mineralization. Approximately 500 test pits have been blasted on the copper mineralizations since the beginning of this century. This work was primarily guided by malachite staining, but also the presence of native copper, azurite and cuprite. The richest mineralization encountered occurs at Corgus, Dartijærvi and Porsvann.

The uralite-actinolite rocks of the Karenhaugen ultramafic body contain disseminations and veinlets of chalcocite and subordinate chalcopyrite; it was noted that chalcocite apparently is the predominant sulphide in near-surface areas.

5. SAMPLING

At the outset of this project the areas with known Cu-mineralization were considered to be the main target. Following reconnaissance work in the JV area and a registration of the copper-, and pyrite-pyrrhotite occurrences lithogeochemical sampling of these showings was accordingly carried out. At the same time stream

sediments were collected in the JV area in order to investigate the precious metal potential of areas remote from known mineralization.

5.1 Lithogeochemistry

A total of 253 samples were collected from the 500 old test pits mentioned above. Each sample consists of 8-10 kg of rock chips collected in one or more of the pits in such a way that the sample represents a profile of one or more specific horizons in the supracrustals. The sampling was biased with regard to visible mineralization, hydrothermal alteration in fracture zones, and late quartz enrichment with or without visible copper minerals. Localities with abundant quartz were sampled individually. A total of 147 samples out of the 253 were analysed at Mercury Analytical in Ireland; these samples are regarded as sufficient in number to give an impression of the precious metal potential of the area. The samples were treated in a jaw crusher in Karasjok, and a split of approximately 1 kg of 0.5 cm material was sent to the lab. where grinding and analysis for Au(50g), Ag, As, Bi, W, Ni, Co, Cu, Pb and Zn took place.

In the following the samples have been grouped on the basis of lithology and subareas. The latter division is solely an expression of geographical distance between clusters of samples; names of subareas are shown in Fig.2.

5.1.1 The stratabound Fe-sulphide mineralization

A total of 14 samples from this type of mineralization have been analysed (Appendix 1 p. 1-2). Gold has not been detected, silver values vary from 0.2 ppm to 2.5 ppm and copper is present in amounts of 100 ppm to 4.700 ppm.

Arsenic is present only in the northernmost showings at Fossestrand; localities 204 and 237 (appendix 3) contains 367 ppm and 118 ppm As respectively.

5.1.2 The ultramafic complexes to the south of the WNW-SSE trending border fault

Two stream sediment samples draining these ultramafic bodies returned 70 ppb and 12 ppb Au (samples 027 and 204. Appendix 4). Lithosamples from the ultramafics and gabbros returned, however, only one 12 ppb Au value (loc. 260, Appendix 3,). This sample is from a malachite stained area in the gabbro characterized by fragments of rocks from the marble-bearing zone; the Cu-value of this sample is 3000 ppm.

5.1.3 The Karenhaugen ultramafic complex

At the outset of this investigation the ultramafic complex at Karenhaugen gave rise to hopes of significant precious metal mineralization due to observations of ultramafic rocks with irregular chert/carbonate infillings. However, on closer examination the size of this complex turned out to be rather small (Fig. 3) and only 4 of the 8 samples from the complex returned detectable gold (289, 107, 63 and 29 ppb). The silver content was furthermore found to be low, i.e. maximum 1.3 ppm (Appendix 1, p.4).

5.1.4 Mineralization in metadolerites

A total of 120 samples of copper sulphide - bearing metadolerites were analysed and 45 returned detectable gold with a highest value of 290 ppb and a mean value of 28 ppb (Appendix 1 p.5-7). Silver is present in 116 samples with a highest value of 155 ppm and a mean of 8 ppm at a detection limit of 1 ppm. The Cu-contents vary widely due to the sampling procedure from a few ppm to

38%; a pronounced correlation exists between Cu and Ag (see fig. 4 and 5).

An attempt was made to discriminate between the subareas on the basis of geochemistry in order to detect large scale zoning patterns. However, the detected differences between individual subareas were shown to be without significance.

The remaining elements show the following variation:

As	16 samples > det. lim. max	18 ppm
Bi	3 " - " -	38 ppm
W	23 " - " -	3 ppm
Pb	with a single value of 1188 ppm excluded -	
		mean 30 ppm
Zn	max 392 ppm	" 60 ppm
Ni	" 469 "	" 60 ppm
Co	" 219 "	" 38 ppm

For the distribution of the elements Au, Ag, Cu, Pb, Zn, Ni, Co see i) histograms figs. 6 and 7, ii) all 120 samples and iii) figs. 8-11 for the subareas.

5.2 Stream sediment sampling

Stream sediment samples were collected from streams within the JV area to the north of the military training ground. At each of the 209 sample points two fractions, <0.2 mm and >0.2 mm <0.5 mm, were collected and all the <0.2 mm samples and 100 >0.2 mm <0.5 mm samples were analysed for Au, Ag, Cu, Pb, Zn, Ni, Co, As, W, Bi.

The results from the <0.2 mm samples are summarized in Appendix 2, p. 1-5. Anomaly maps in the scale of 1:50 000 for Au, Cu, Pb, Zn, Ni and Co are shown in Appendix 4. Histograms of the distribution of Au, Pb, Cu, Zn, As, Ni and Co are shown in figs. 12 and 13.

Of the 209 samples of the <0.2 mm fraction 25 returned detectable gold with a highest value of 156 ppb and with only 5 samples above 20 ppb. Silver was not detected. The lithosamples show a marked positive correlation between Cu and Ag so theoretically silver should show up in samples with high Cu values; however, the Cu-values are generally low with a mean of 60 ppm and this, in conjunction with a Ag detection limit of 0.1 ppm, probably explains the absence of Ag values. The remainder of the elements show the following distribution (see also Figs. 12 and 13 and Appendix 4).

As	106 samples with 1 ppm - max 5 ppm	det.lim. 1 ppm
Bi	7 - " - 1 ppm - max 1 ppm	det.lim. 1 ppm
W	< det.lim	det.lim. 1.ppm
Pb	max. 62 ppm	mean 10 ppm
Zn	" 582 "	" 50 "
Ni	" 253 "	" 45 "
Co	" 42 "	" 14 "

During the first run at the lab. 50 g of <0.2 mm material was analysed for gold. However, the majority of the <0.2 mm samples consist of more than 50 g of material and the remainder from each sample was later analysed for gold and 3 samples only returned detectable gold: Loc. 24 and 160 (20 ppb and 12 ppb; no gold in first run); Loc. 204 (4 ppb; 12 ppb in first run).

The results from the 100 samples of >0.2 mm <0.5 mm material were compared with the corresponding 100 samples of the <0.2 mm fraction. Plots of the elements Cu, Zn and Ni from the two fractions (figs. 14, 16 og 17) show good correlation, while less correlation is shown in the Pb and Co plots (Figs. 15 and 18); the latter may be caused by the overall low values of these elements.

The samples of the >0.2 mm <0.5 mm fraction returned no detectable gold.

6. CONCLUSIONS

6.1 Lithology

The described lithologies probably represent metamorphosed mafic- and acid tuffs, volcanoclastic sediments and sandstones with subordinate intercalations of limestone and argillaceous sediments and ultramafic intrusives/extrusives. These rocks were apparently laid down in a large ?shallow water basin characterized by deposition of products from bimodal volcanism and erosion products from the adjacent Archean continental crust. The entire sequence was later subjected to three phases of folding of which the most important gave rise to isoclinal recumbent folds. The massive amphibolites probably represent sills and/or dykes although their age is uncertain.

6.2 Mineralization

Stratabound, banded Fe-sulphide horizons occur in quartzitic- and schistose lithologies and consist of pyrite, pyrrhotite, chalcopyrite, arsenopyrite and graphite. They are interpreted as being related to both volcanogenic and biochemical processes. The 1983 analytical results of samples from these horizons are in accordance with the 1932 analysis of Cu-concentrates from these showings, and their precious metal potential is considered to be negligible.

The copper showings of the area characteristically occur as fracture fillings in competent mafic and ultramafic rock units. The showings exhibit many features indicative of an epigenetic origin which, in conjunction with the regional distribution, rules out a syngenetic origin. The presence of chalcocite, bornite and native copper furthermore suggests that supergene processes were active.

A characteristic feature of these deposits is their similarity to the Sjangeli Cu-showings in the Rombak area some 350 km to the south of Porsanger and to the Hovin deposits in the Telemark region (Foslie, 1933; Schønwandt, 1984). However, their content of precious metals is in general below 0.3 ppm Au and a mean of 8 ppm Ag. It should be noted that the sampling program has been concentrated in the most promising areas and that the precious metal analysis accordingly may be regarded as optimal.

Stream sediment Au-anomalies can be explained by the litho-sample results and it seems unrealistic to envisage areas with a precious-metal potential outside of the areas covered by litho-sampling.

In summary, the precious metal potential of the Porsanger area is considered negligible and no further action is recommended. In accordance with this the JV claims have been abandoned.

Oslo, 1.3.1984

Viggo Aggerholm

Viggo Aggerholm

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NH/BP JOINT VENTURE

MILITARY TRAINING GROUND

16

48

98

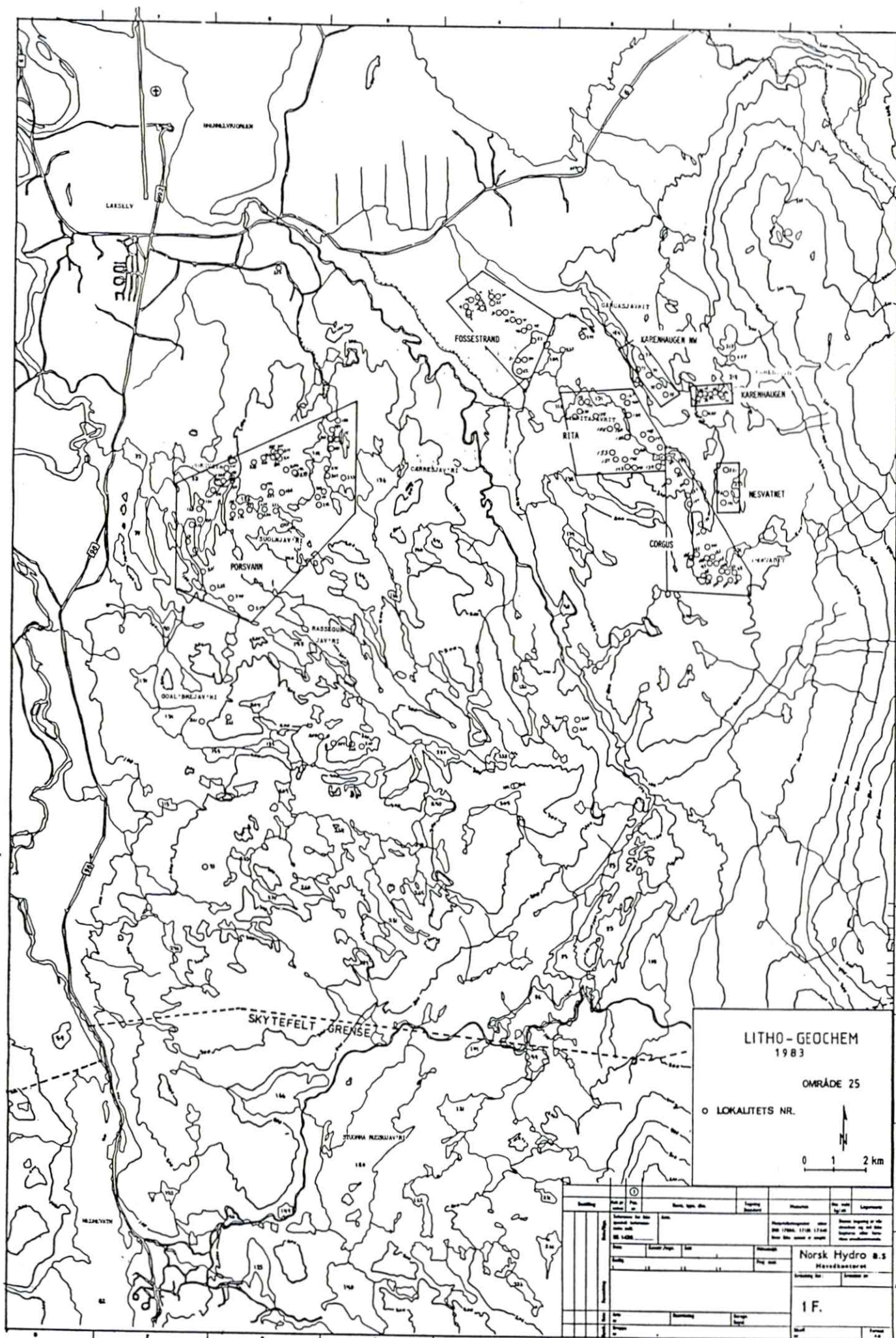


fig. 2

COPPER AND IRON SULPHIDE DEPOSITS OF PORSANGER

GEOLOGICAL MAP (SIMPLIFIED), NORTHERN PART OF LAKSELV VALLEY

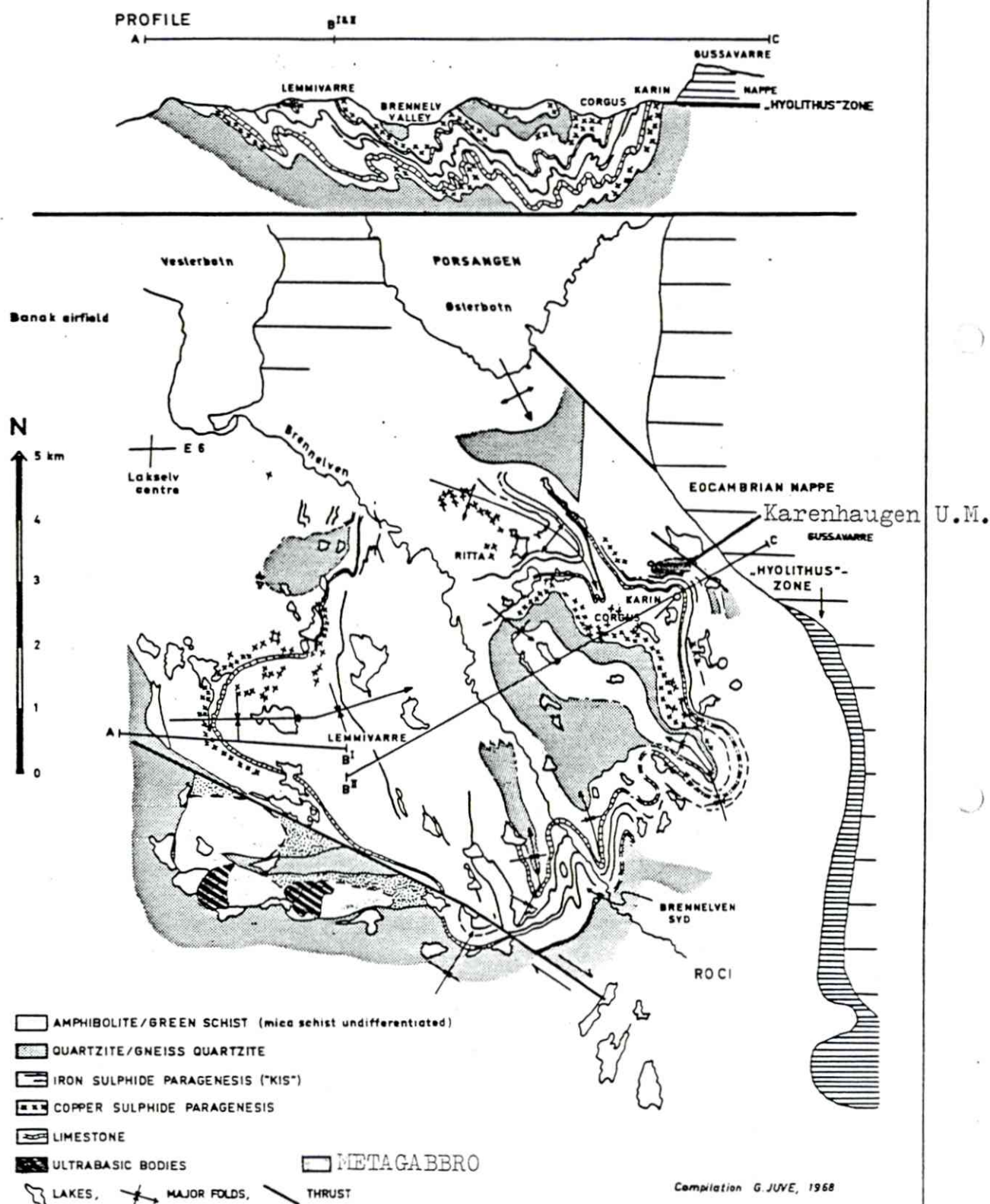
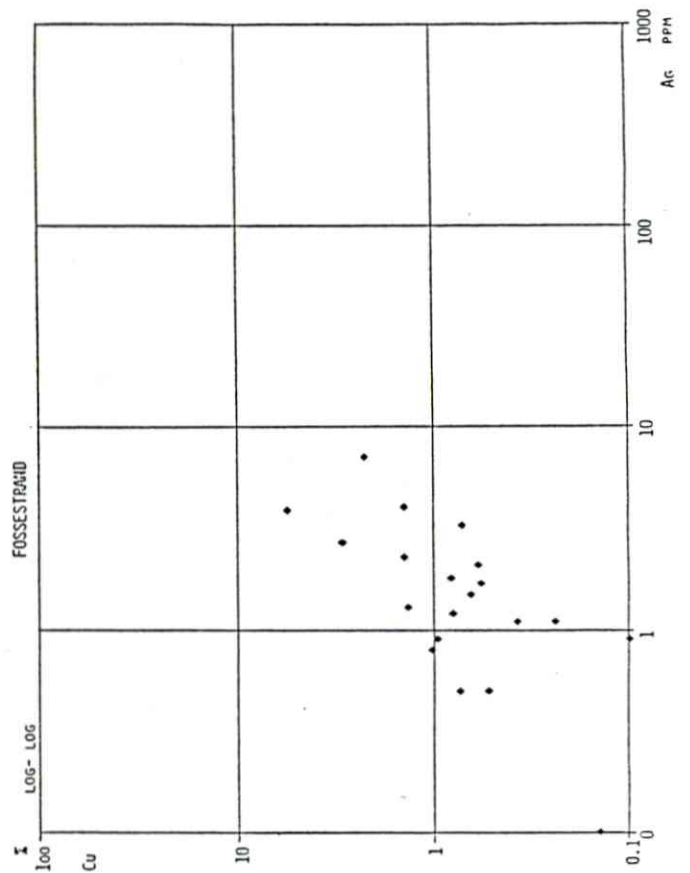
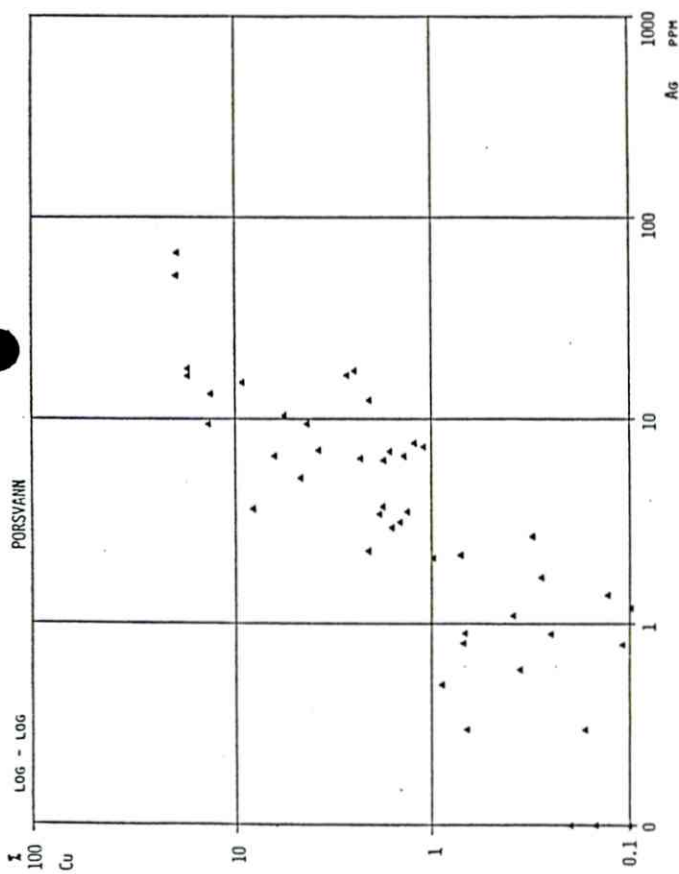
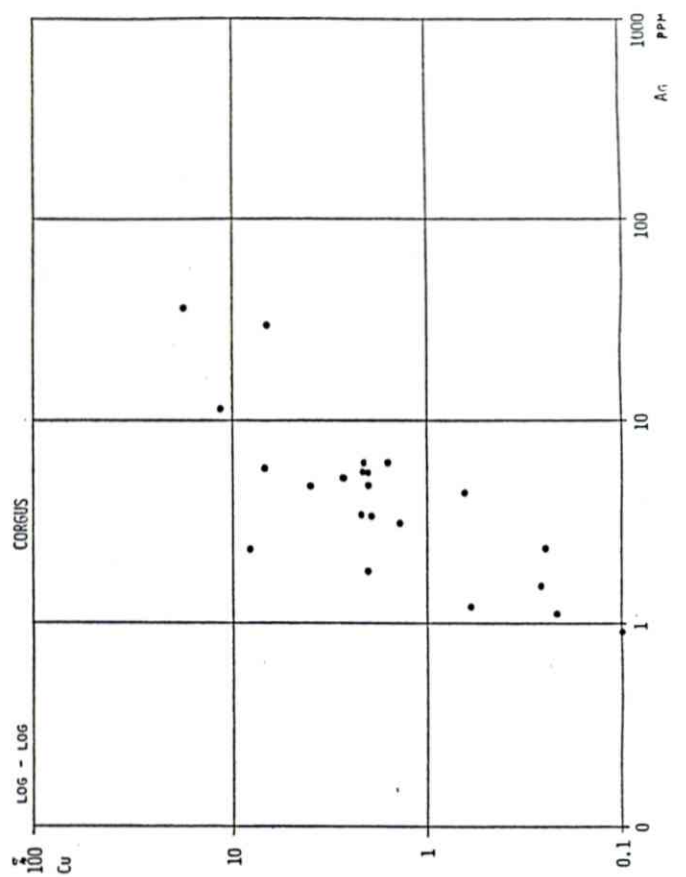
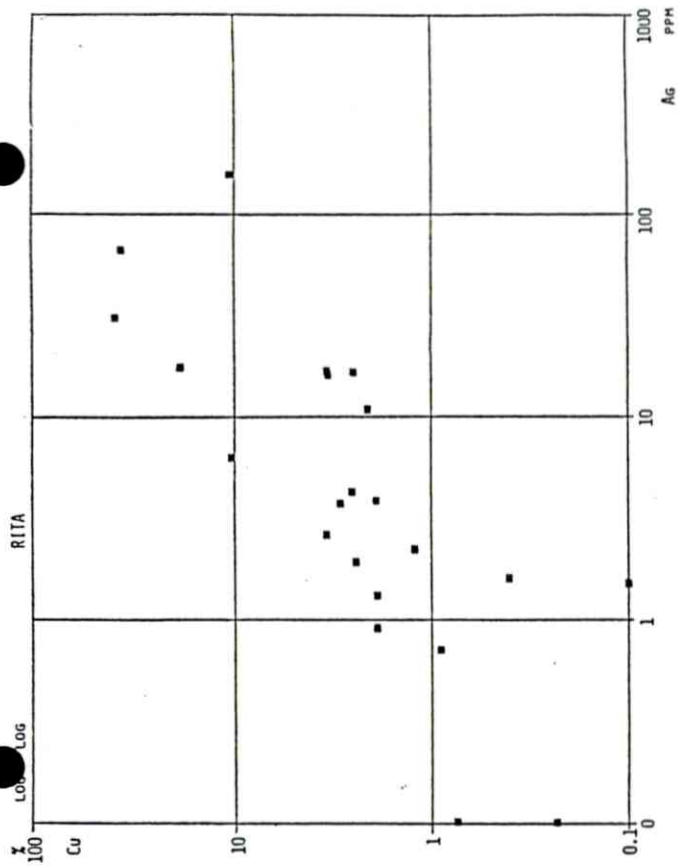
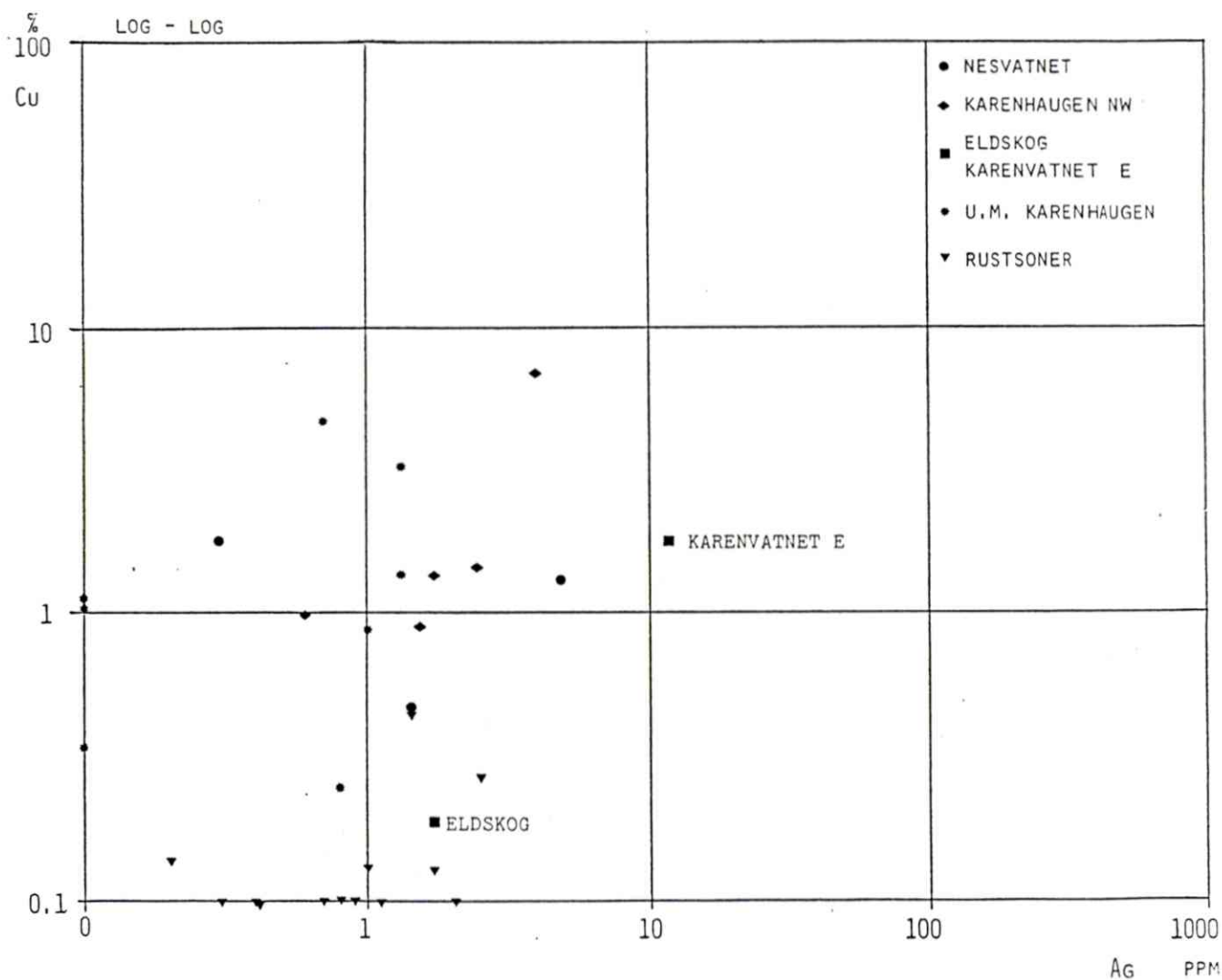


Fig. 3 Simplified geological map based on Juve(1968) with additional data on copper sulphide showings and U.M.- metagabbro bodies from the 1983 JV project.



Scatterdiagram for lithosamples from 4 subareas $\log \text{Ag}$ - $\log \text{Cu}$



Scatterdiagram for lithosamples Log Ag - Log Cu

B.

A.

ASIM3039

FORMA DE:
PASSE

ANTAL OBSERVATIONER : 120

KORRELATIONSMATRIS

	CU	CU	CU	PB	ZM	M1	CO	AC	U	AU	AS	B1
CU	1.000											
PB	-0.013	-0.013										
ZM	-0.085	1.000										
M1	-0.085	1.000										
CO	-0.026	0.70	0.194									
AC	0.581	0.37	-0.45	1.000								
U	-0.173	-0.43	0.196	0.699	-0.219	-0.123	1.000					
AU	0.176	-0.36	-0.118	0.106	-0.104	0.091	-0.881	1.000				
AS	-0.077	0.06	0.589	0.565	-0.641	-0.053	-0.279	-0.074	1.000			
B1	-0.039	-0.066	-0.011	0.032	-0.022	0.06	-0.050	-0.007	-0.024	1.000		

CORRELATIONSMATRIS

	CU	PR	ZN	NI	CO	MO	U	AU	AS	BI
MIN	37899.17	38.73	60.23	59.11	38.66	7.77	.23	18.81	1.43	3.52
Q1	64802.79	108.27	44.75	57.98	26.65	17.34	.53	20.92	2.03	4.80
Q2	1.72	2.12	.74	.98	.69	2.23	2.26	2.77	4.68	8.79
Q3										
MAX	1188.00	392.00	469.00	469.00	219.00	154.00	3.00	290.00	18.00	38.00
MIN FILE	100.00	0.00	6.00	2.00	3.00	.00	.00	.00	.00	.00

END OF FILE

 $\dot{C}$ $Au(\text{ppb})$

20140000

[illegible]

PROD: HIST NEWS: GCM

PERCUTANEOUS	10.81	57.60	29.92
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MEAN (CV)	5.0-2.3	37.000	44.75
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D.

Zn (ppm)

Time (sec)	Post-Sample Time
0	0
10	10
20	20
30	30
40	40
50	50
60	60
70	70
80	80
90	90
100	100
110	110
120	120
130	130
140	140
150	150
160	160
170	170
180	180
190	190
200	200
210	210
220	220
230	230
240	240
250	250
260	260
270	270
280	280
290	290
300	300
310	310
320	320
330	330
340	340
350	350
360	360
370	370
380	380
390	390
400	400
410	410
420	420
430	430
440	440
450	450
460	460
470	470
480	480
490	490
500	500
510	510
520	520
530	530
540	540
550	550
560	560
570	570
580	580
590	590
600	600
610	610
620	620
630	630
640	640
650	650
660	660
670	670
680	680
690	690
700	700
710	710
720	720
730	730
740	740
750	750
760	760
770	770
780	780
790	790
800	800
810	810
820	820
830	830
840	840
850	850
860	860
870	870
880	880
890	890
900	900
910	910
920	920
930	930
940	940
950	950
960	960
970	970
980	980
990	990
1000	1000

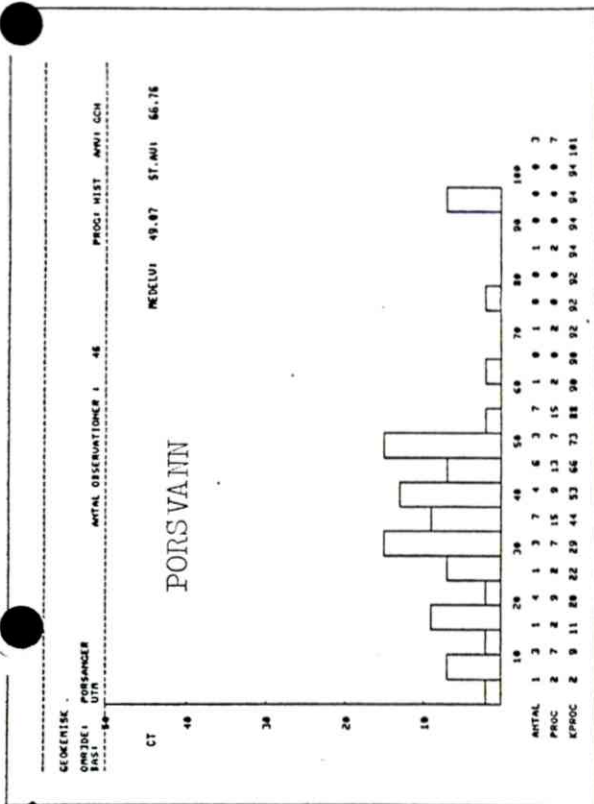
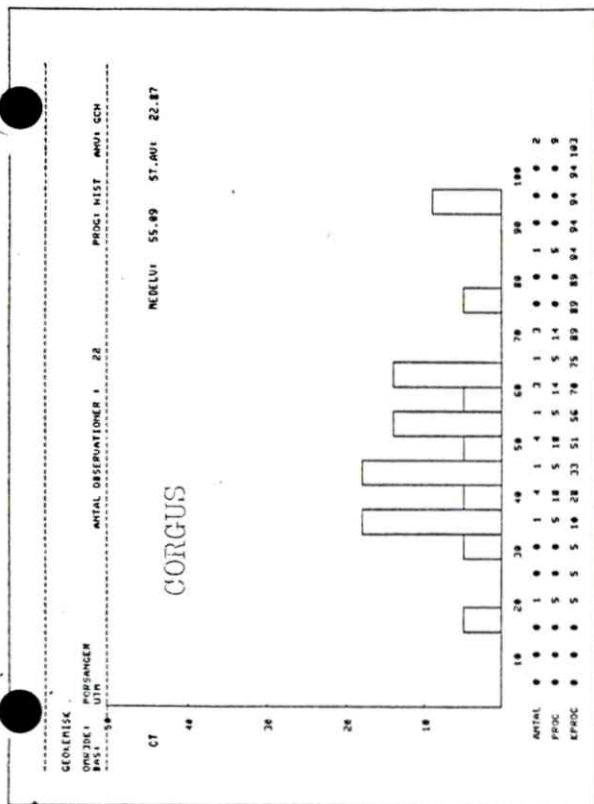
ENTAL OBSERVATIONS : 129

PROD: WIST AREA: CCM

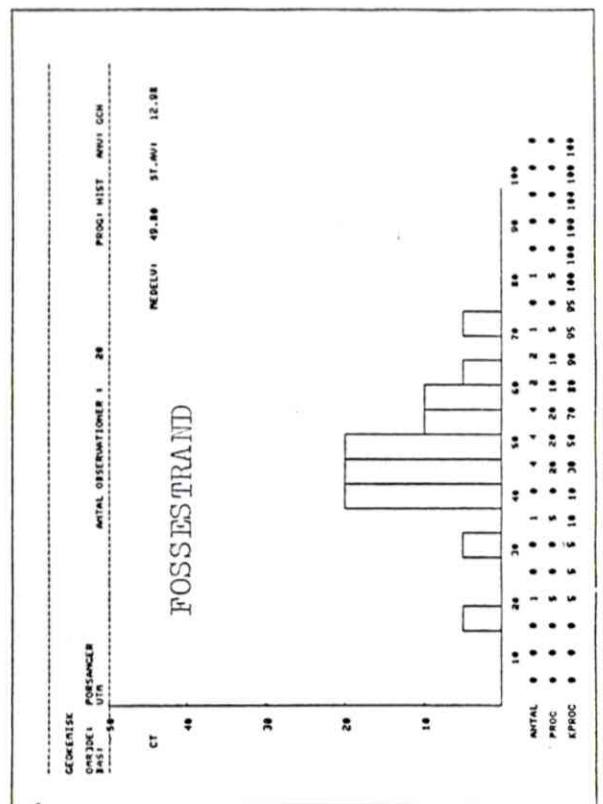
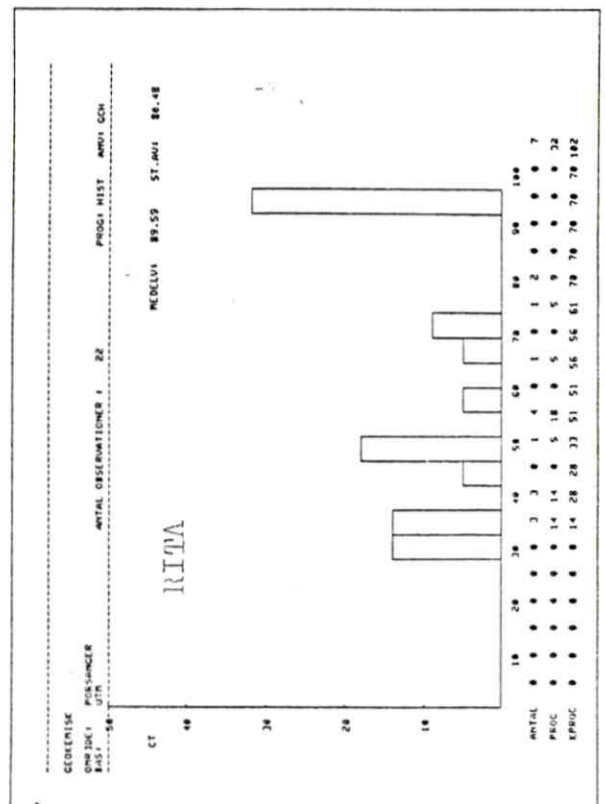
MEAN	60.23	57.00	44.75
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Fig. 6B-C-D

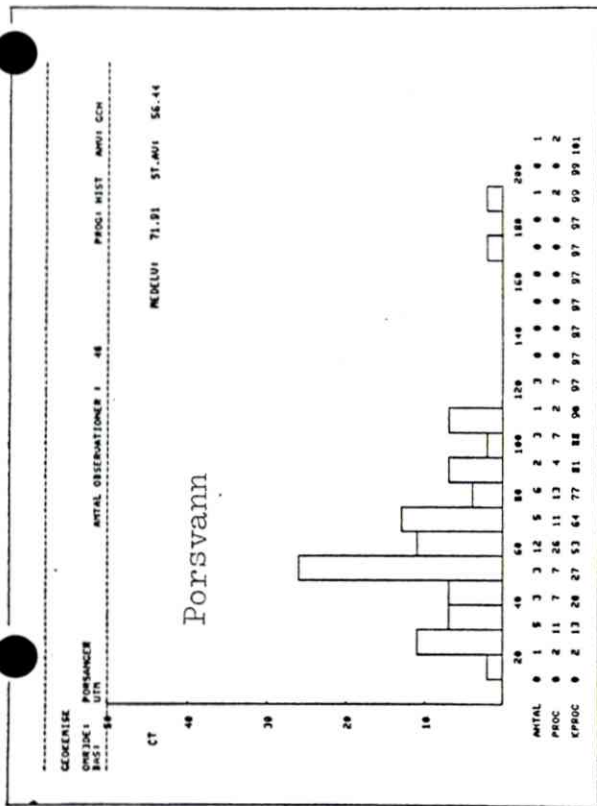
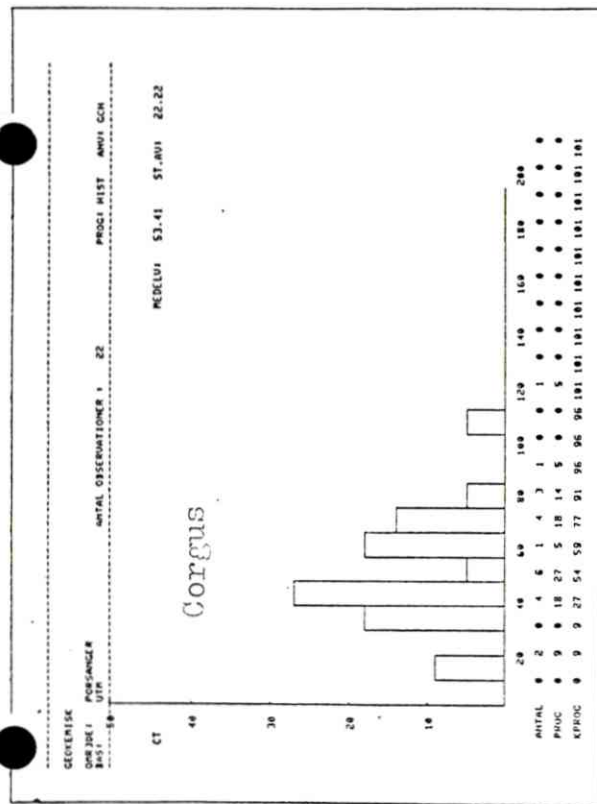
Histogram for 120 metadolerite-complex Pb-Ag-Zn



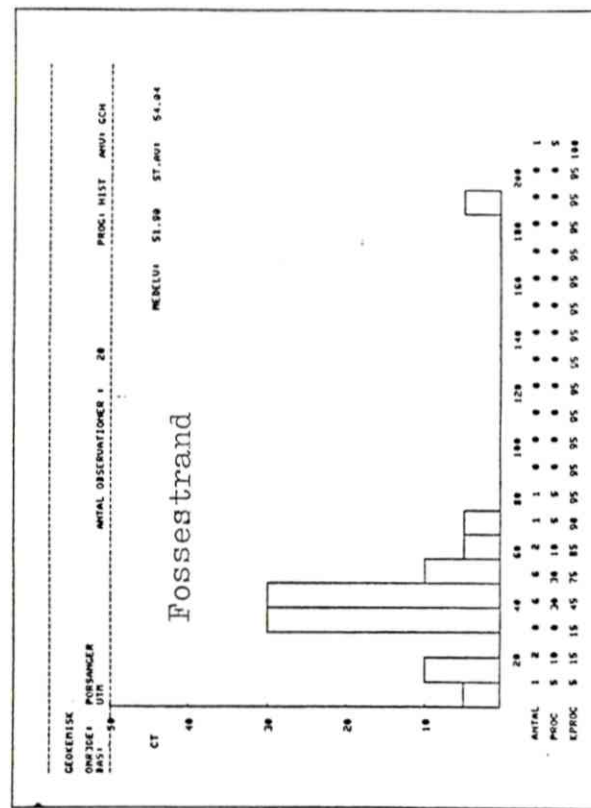
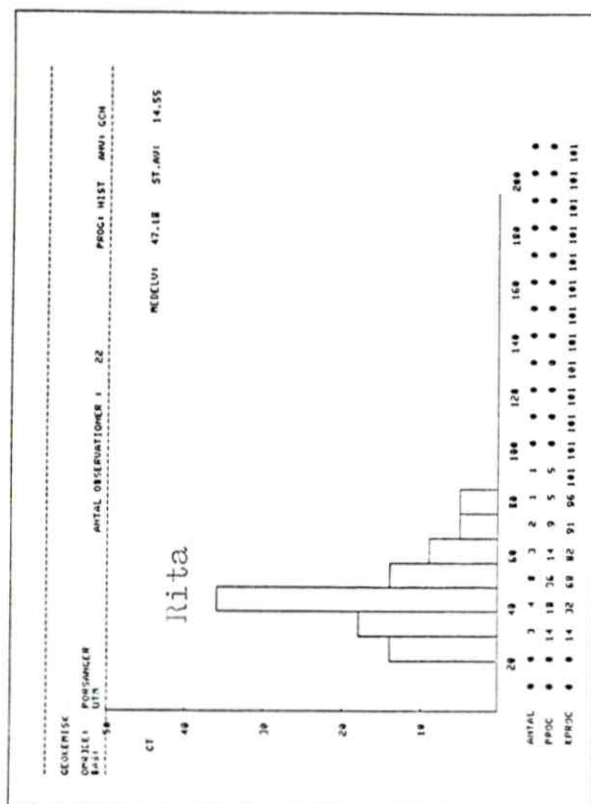
Ni (ppm)



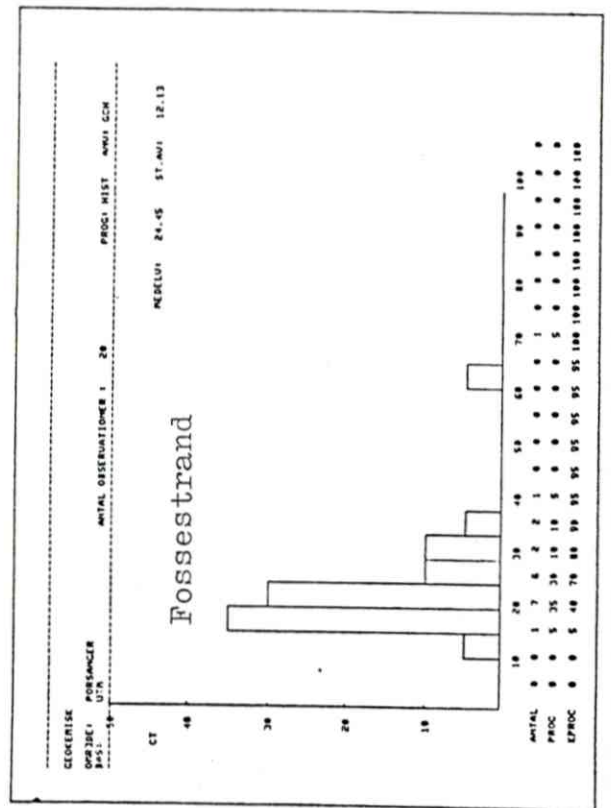
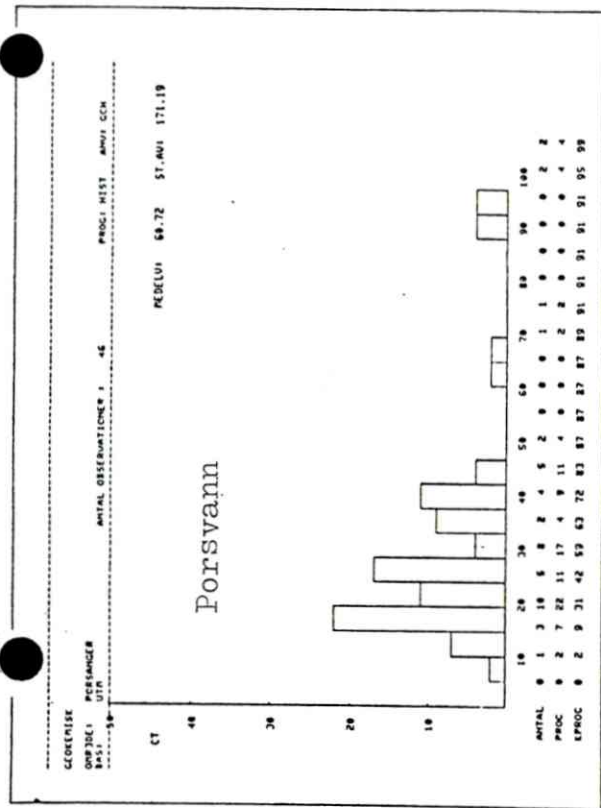
HISTOGRAMS FOR Ni IN METADOLERITES IN 4 SUBAREAS



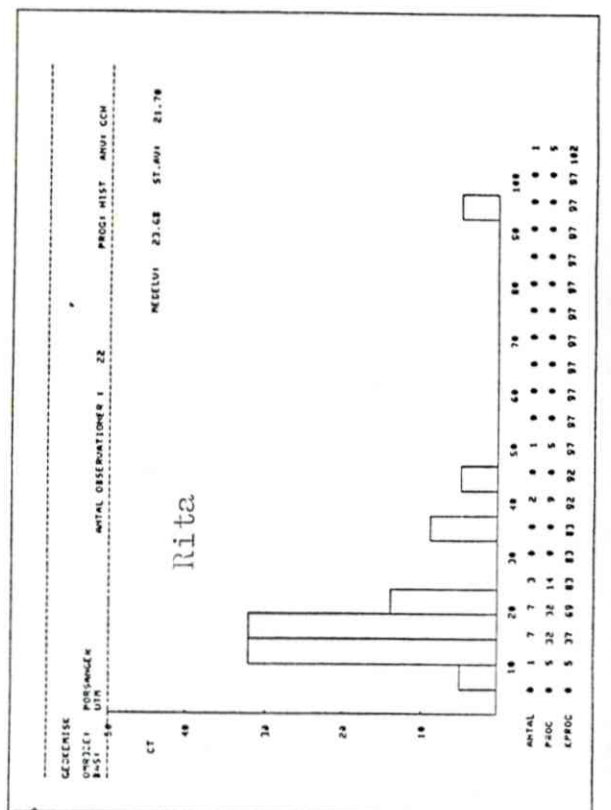
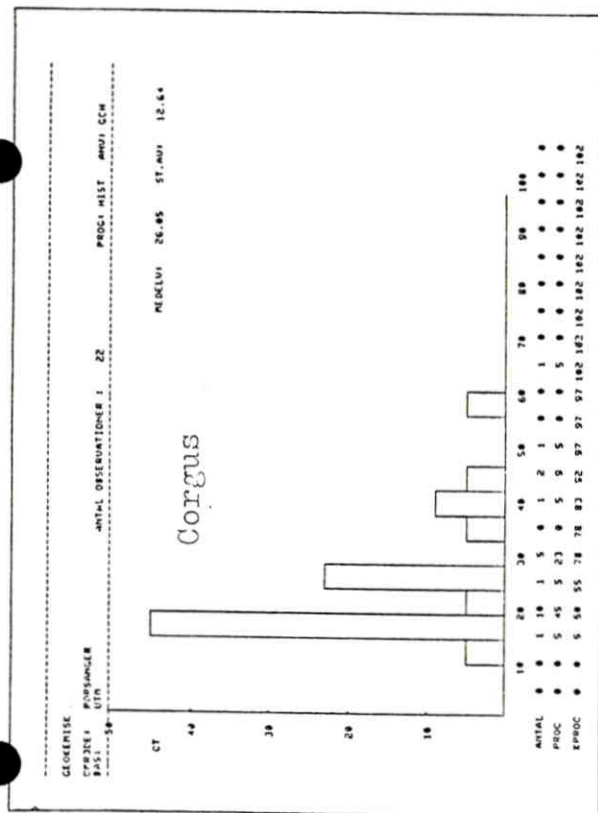
Zn (ppm)



HISTOGRAMS FOR Zn IN METADOLERITES IN 4 SUBAREAS

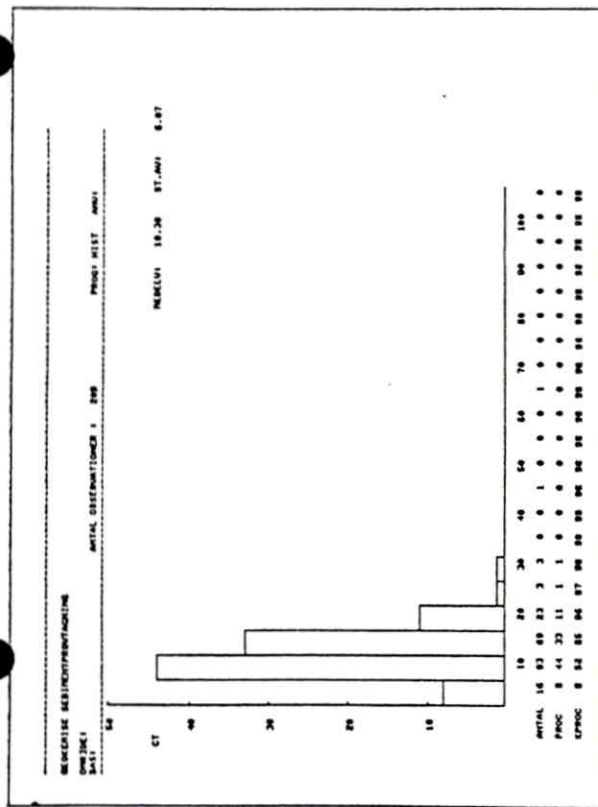


Pb (ppm)

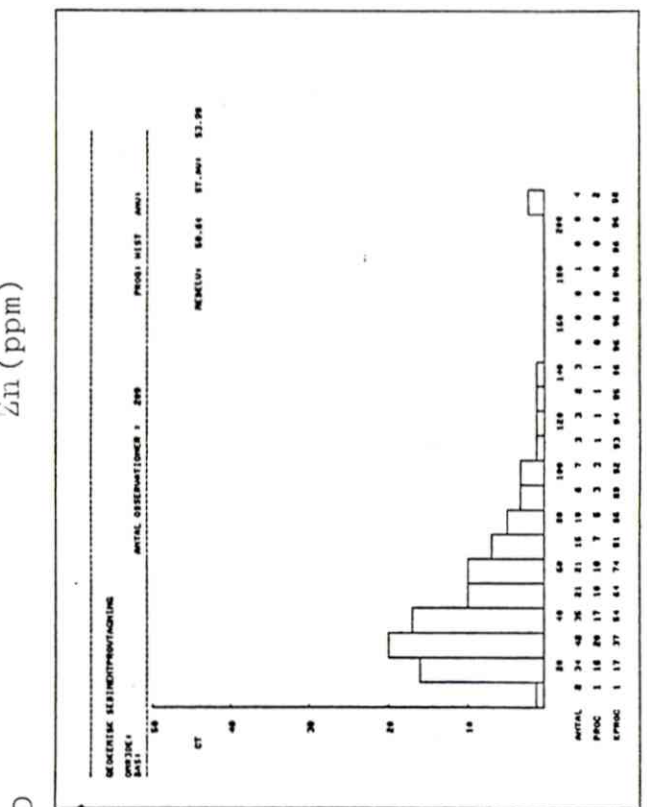


HISTOGRAMS FOR Pb IN METADOLERITES IN 4 SUBAREAS

Pb (ppm)



Zn (ppm)



Au (ppb)

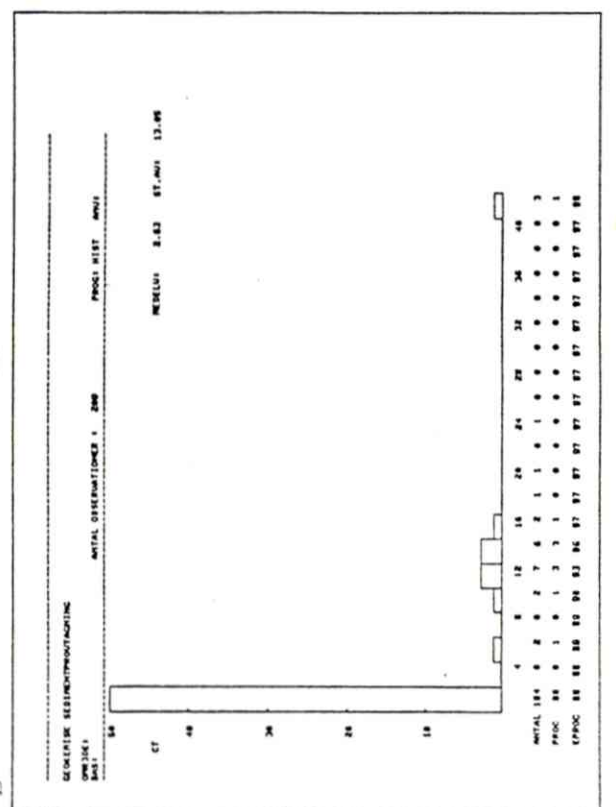


Fig.12 A. Correlationcoefficient for 10 elements in 209 stream sediments

Fig.12 B-C-D.Histograms for 209 Streamsediments Au,Pb,Zn.

Ni (ppm)

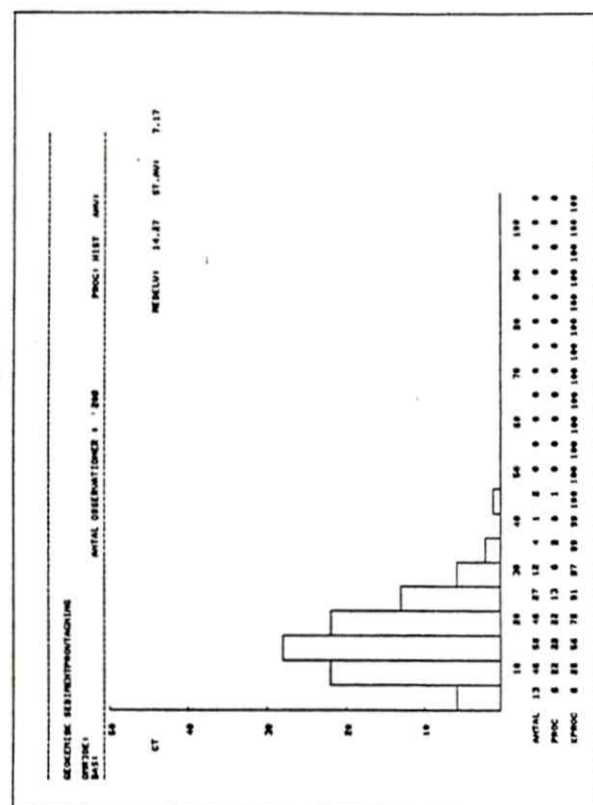
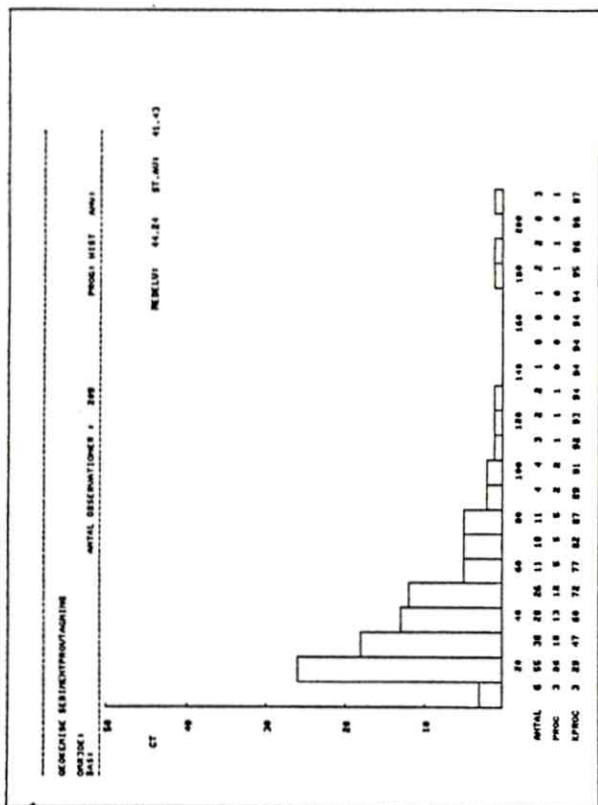


Fig. 15

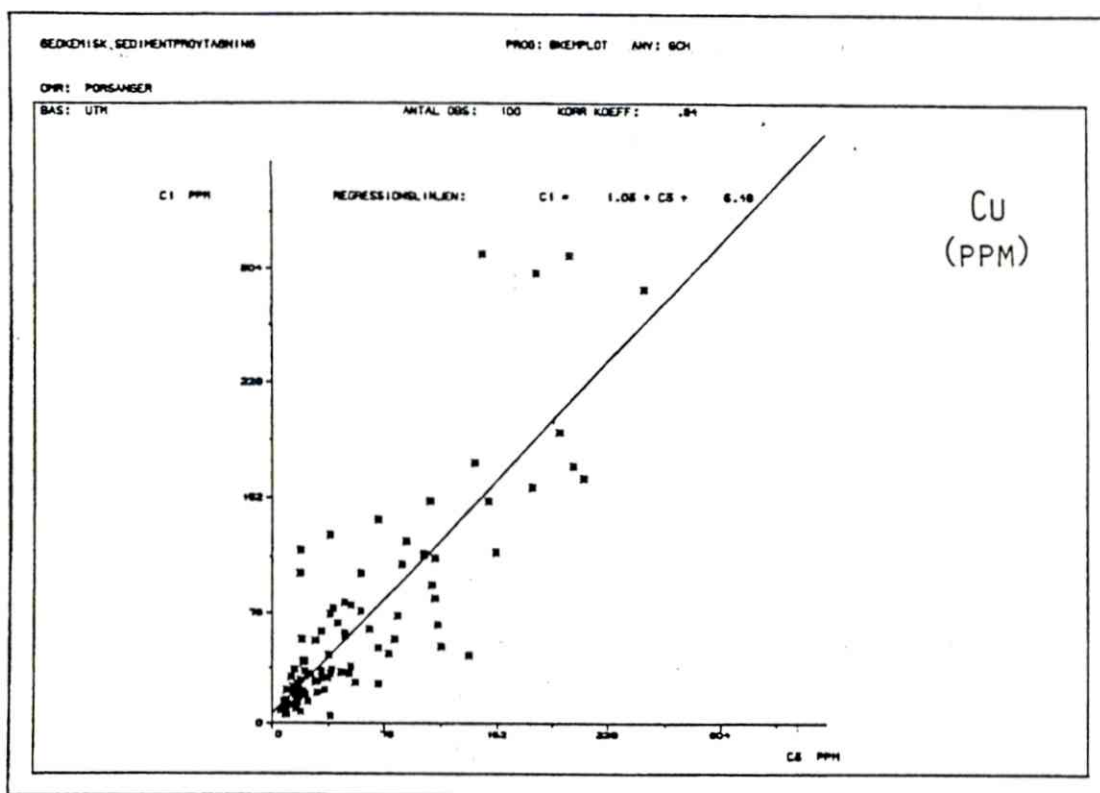


Fig.14. Scatterdiagram for Cu in 2 fractions:

C1 - Cu in 0.2mm 0.5mm

C3 - Cu in 0.2mm

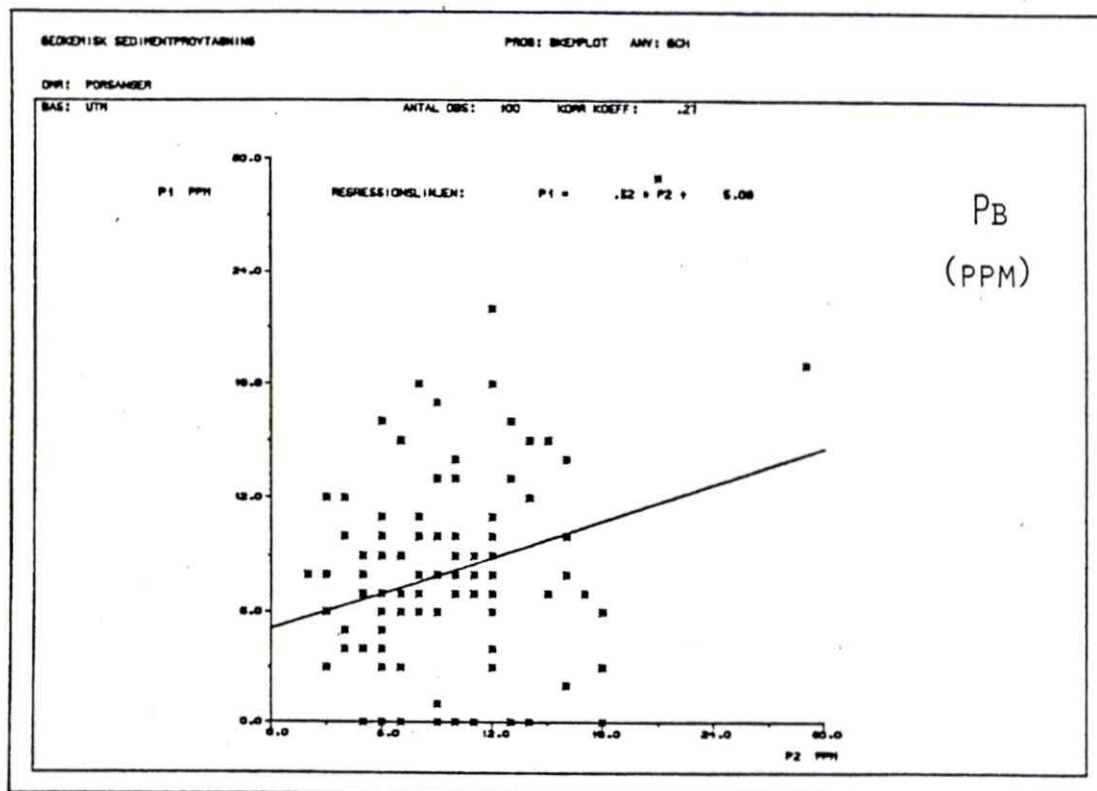


Fig. 15. Scatterdiagram for Pb in 2 fractions:

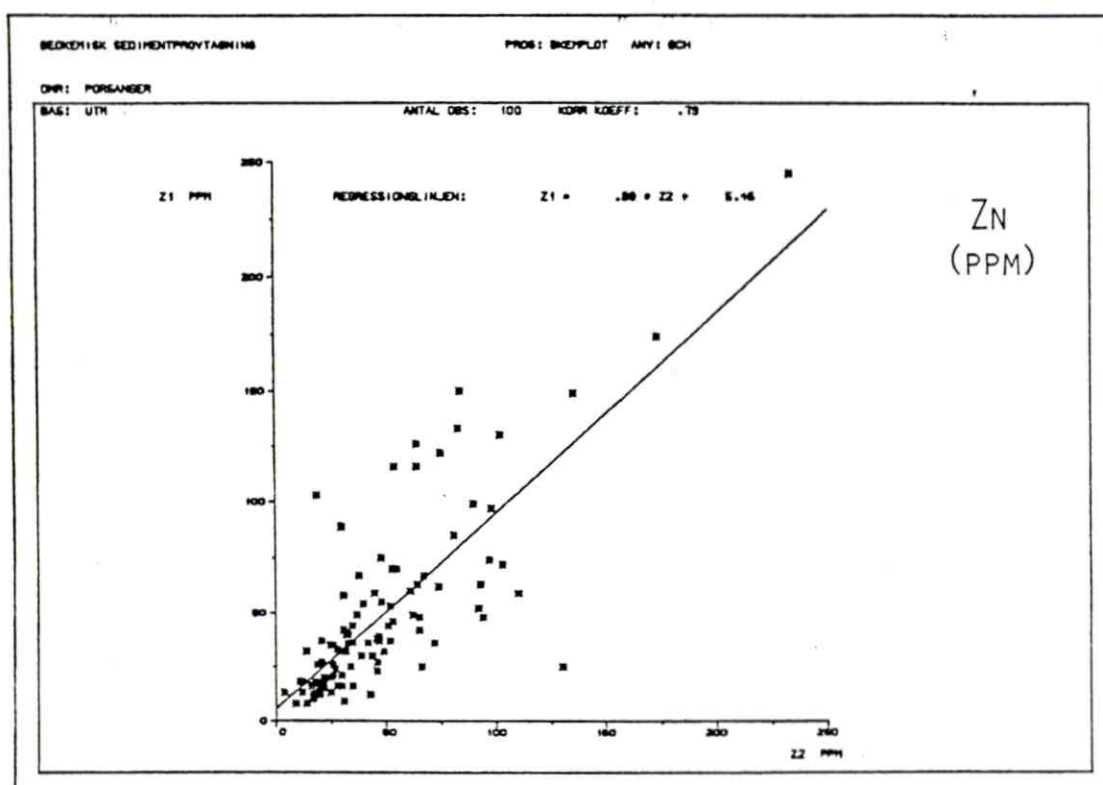
P1 - Pb in 0.2mm - 0.5mm

P2 - Pb in 0.2mm

Fig. 16. Scatterdiagram for Zn in 2 fractions:

Z1 - Zn in 0.2mm - 0.5mm

Z2 - Zn in 0.2mm



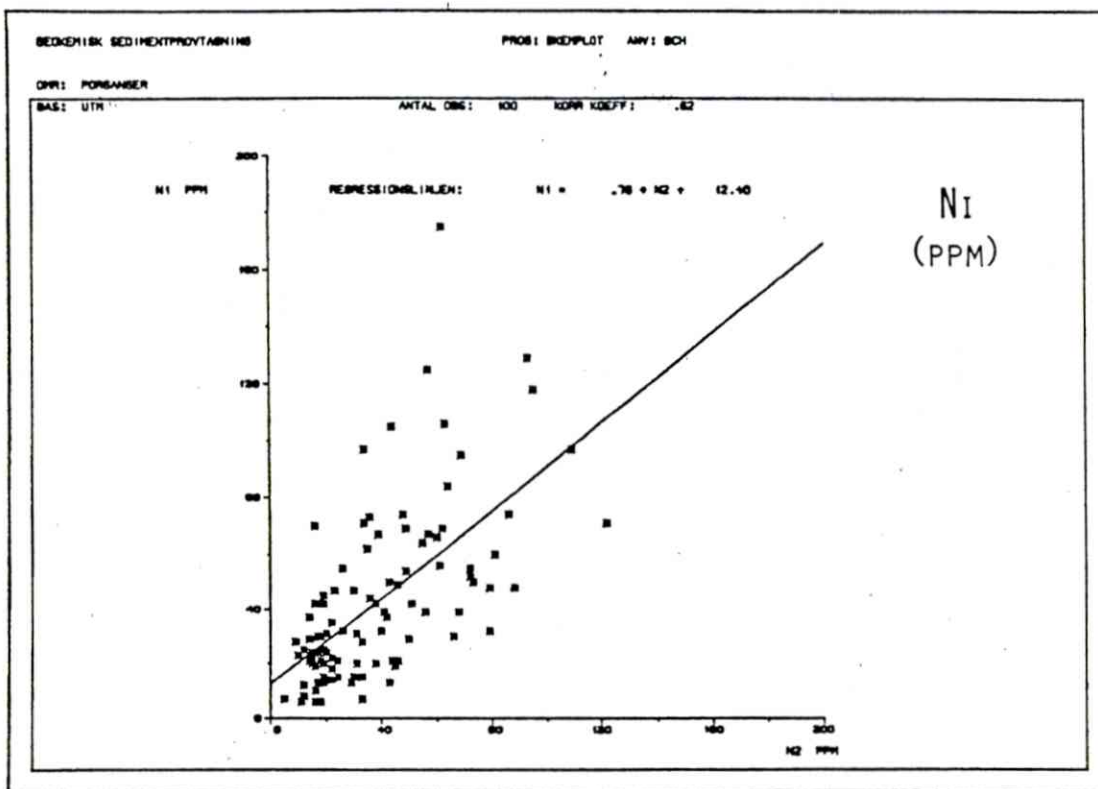


Fig. 17. Scatterdiagram for Ni in 2 fractions:

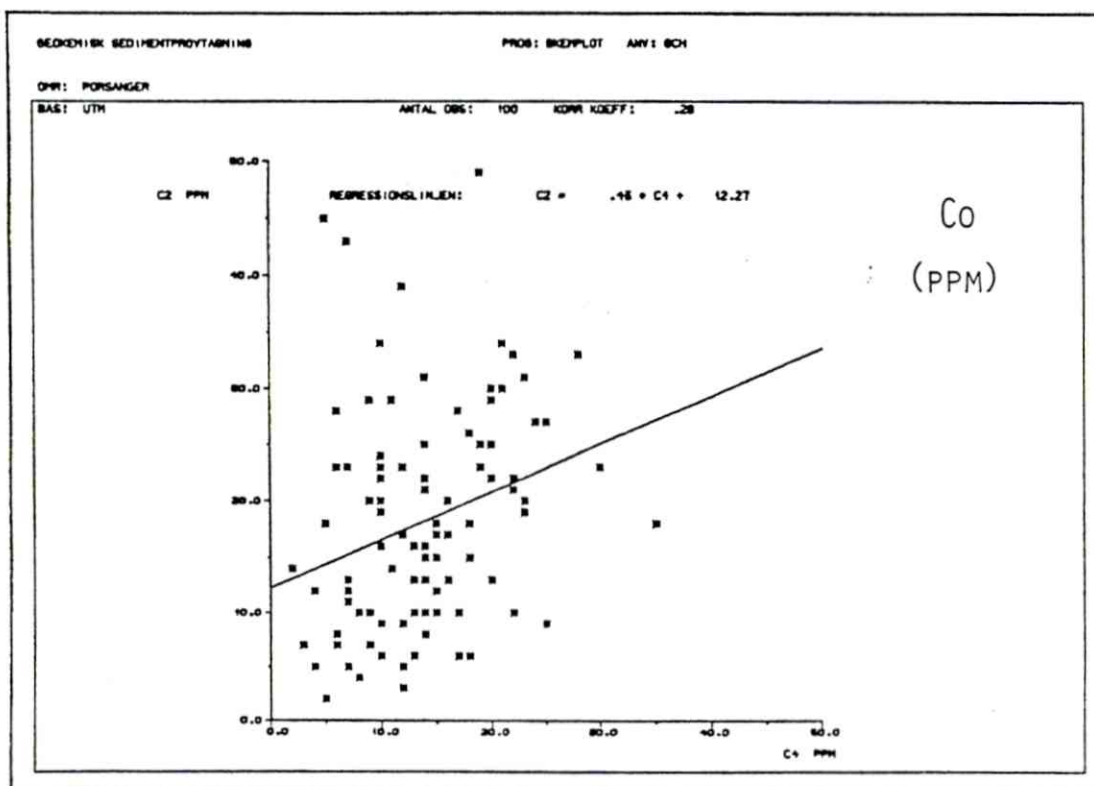
N1 - Ni in 0.2mm 0.5mm

N2 - Ni in 0.2mm

Fig. 18. Scatterdiagram for Co in 2 fractions:

C2 - Co in 0.2mm 0.5mm

C4 - Co in 0.2mm



RUSTHORIZONTER

DATE 012384

PAGE 1

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFIL AV PORSLIT

5 FILNAVN : PORSL11

ANTALL PRØVER : 7

LITHO PRØVER

8	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPB	AS PPM	BI PPM
10	250182	0	0	600.0	31.0	42.0	35.0	51.0	.8	.0	.0	1.0	.0
11	250183	0	0	1300.0	20.0	67.0	55.0	34.0	1.7	.0	.0	4.0	.0
12	250200	0	0	100.0	25.0	75.0	129.0	42.0	.9	.0	.0	1.0	.0
13	250202	0	0	200.0	59.0	154.0	154.0	62.0	2.0	.0	.0	.0	.0
14	250228	0	0	400.0	44.0	125.0	114.0	54.0	.4	.0	.0	.0	.0
15	250238	0	0	200.0	32.0	134.0	165.0	57.0	.4	.0	.0	.0	.0
16	250239	0	0	100.0	37.0	112.0	112.0	42.0	.7	.0	.0	.0	.0

RUSTHORIZONTER

DATE 012384

PAGE 1

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFIL AV PORSLIT

5 FILNAVN : PORSLIT

ANTALL PRØVER : 7

LITHO PRØVER

8	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPM	AS PPM	BI PPM	
10	10	250093	0	0	2700.0	12.0	39.0	53.0	66.0	2.5	1.0	.0	4.0	.0
11	11	250099	0	0	300.0	21.0	59.0	27.0	19.0	1.3	.0	.0	4.0	.0
12	12	250204	0	0	1400.0	69.0	412.0	1059.0	128.0	.2	.0	.0	367.0	.0
13	13	250237	0	0	1300.0	45.0	406.0	769.0	96.0	1.0	.0	.0	118.0	.0
14	14	250244	0	0	300.0	28.0	162.0	107.0	27.0	.3	1.0	.0	.0	.0
15	15	250251	0	0	4700.0	18.0	32.0	86.0	34.0	1.4	.0	.0	5.0	.0
16	16	250255	0	0	400.0	371.0	176.0	47.0	25.0	1.1	2.0	.0	6.0	.0

U.M.-Gabbro

DATE 012384

PAGE 1

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : POPSANGER

NR : 25

DELFIL AV FORSLIT

5 FILNAVN : PORSLOE

ANTALL PRØVER : 6

LITHO PRØVER

8	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPB	AS PPM	BI PPM
10	250258	0	0	100.0	27.0	47.0	1925.0	147.0	.0	.0	.0	.0	.0
11	250259	0	0	100.0	9.0	31.0	56.0	17.0	.2	.0	.0	.0	.0
12	250260	0	0	3000.0	21.0	59.0	1408.0	137.0	.0	.0	12.0	.0	.0
13	250261	0	0	100.0	30.0	48.0	1323.0	125.0	.0	.0	.0	.0	.0
14	250262	0	0	100.0	22.0	43.0	45.0	17.0	.0	.0	.0	.0	.0
15	250263	0	0	100.0	21.0	30.0	46.0	16.0	.0	.0	.0	.0	.0

KARENHAUGEN U.M. KOMPLEKS

DATE: 012384

PAGE 1

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFI TIL PORSLIT

FILNAVN : PORSLO2

ANTALL PRØVER : 8

LITHO PRØVER

	PROVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	Al PPM	AS PPM	BI PPM
10	250055	0	0	8700.0	23.0	105.0	107.0	66.0	1.0	.0	.0	.0	.0
11	250056	0	0	48700.0	14.0	9.0	40.0	48.0	.7	1.0	289.0	.0	.0
12	250057	0	0	11000.0	52.0	14.0	37.0	30.0	.0	.0	.0	.0	.0
13	250058	0	0	13300.0	10.0	13.0	382.0	20.0	1.3	1.0	.0	.0	.0
14	250062	0	0	3400.0	17.0	20.0	58.0	28.0	.0	.0	29.0	.0	.0
15	250064	0	0	10700.0	13.0	15.0	55.0	45.0	.0	1.0	107.0	.0	.0
16	250066	0	0	32600.0	21.0	17.0	54.0	25.0	1.3	1.0	63.0	.0	.0
17	250068	0	0	2500.0	15.0	39.0	42.0	21.0	.8	.0	.0	.0	.0

1 PROSPEKTERINGS-AVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

LITHOPPØVER PORSANGER, MINUS FORVITREDE PRØVER.

FILNAVN : PORSLI2

ANTALL PRØVER : 121

LITHO PPØVER

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PG PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPB	AS PPM	BI PPM
10	250006	0	0	1400.0	22.0	5.0	55.0	44.0	.0	1.0	.0	.0	.0
11	250007	0	0	14200.0	39.0	61.0	46.0	42.0	2.3	.0	.0	.0	.0
12	250009	0	0	9600.0	15.0	36.0	54.0	27.0	.9	.0	.0	.0	.0
13	250011	0	0	13600.0	23.0	53.0	64.0	86.0	1.3	.0	.0	.0	.0
14	250014	0	0	8100.0	69.0	33.0	69.0	30.0	1.8	.0	.0	.0	.0
15	250017	0	0	8000.0	24.0	33.0	61.0	50.0	1.2	.0	.0	.0	.0
16	250018	0	0	1000.0	11.0	15.0	47.0	18.0	.9	1.0	.0	.0	.0
17	250023	0	0	6400.0	31.0	49.0	40.0	25.0	1.5	.0	.0	.0	.0
18	250027	0	0	22100.0	32.0	48.0	45.0	79.0	7.1	1.0	.0	.0	.0
19	250030	0	0	5700.0	17.0	32.0	47.0	34.0	1.7	.0	.0	.0	.0
20	250031	0	0	7200.0	25.0	43.0	54.0	20.0	3.3	.0	.0	.0	.0
21	250036	0	0	7400.0	22.0	33.0	32.0	27.0	.5	.0	.0	.0	.0
22	250038	0	0	3200.0	17.0	19.0	54.0	80.0	1.1	.0	.0	.0	.0
23	250041	0	0	28000.0	17.0	33.0	40.0	39.0	2.7	.0	.0	.0	.0
24	250046	0	0	5900.0	19.0	278.0	56.0	37.0	2.1	.0	.0	.0	.0
25	250048	0	0	2400.0	29.0	49.0	79.0	32.0	1.1	.0	.0	.0	.0
26	250050	0	0	14000.0	18.0	49.0	40.0	82.0	4.1	.0	.0	.0	.0
27	250051	0	0	55000.0	15.0	72.0	18.0	55.0	3.9	.0	13.0	.0	.0
28	250052	0	0	5300.0	23.0	45.0	51.0	48.0	.5	.0	.0	.0	.0
29	250053	0	0	10400.0	21.0	51.0	44.0	70.0	.8	.0	8.0	.0	.0
30	250073	0	0	9700.0	17.0	44.0	37.0	26.0	.6	.0	13.0	.0	.0
31	250074	0	0	14300.0	14.0	37.0	39.0	23.0	2.4	.0	8.0	.0	.0
32	250075	0	0	8800.0	18.0	55.0	79.0	25.0	1.5	.0	13.0	.0	.0
33	250077	0	0	13300.0	24.0	69.0	35.0	32.0	1.7	.0	13.0	.0	.0
34	250078	0	0	69900.0	15.0	46.0	74.0	39.0	3.8	.0	.0	.0	.0
35	250095	0	0	2200.0	27.0	74.0	84.0	76.0	1.1	.0	.0	.0	3.0
36	250097	0	0	19800.0	16.0	67.0	48.0	31.0	5.5	.0	.0	.0	.0
37	250098	0	0	700.0	19.0	45.0	49.0	29.0	.9	1.0	.0	.0	.0
38	250100	0	0	13600.0	45.0	74.0	35.0	39.0	3.1	.0	.0	.0	.0
39	250101	0	0	6100.0	28.0	77.0	57.0	24.0	1.2	.0	.0	.0	.0
40	250102	0	0	21700.0	18.0	45.0	58.0	16.0	3.4	1.0	.0	.0	.0
41	250103	0	0	22100.0	23.0	67.0	37.0	22.0	6.2	3.0	.0	.0	.0
42	250104	0	0	20600.0	43.0	58.0	15.0	3.0	5.6	.0	.0	.0	.0
43	250107	0	0	2500.0	39.0	113.0	66.0	27.0	2.3	1.0	.0	.0	.0
44	250109	0	0	6500.0	63.0	19.0	35.0	16.0	4.4	.0	.0	.0	.0
45	250110	0	0	117600.0	28.0	43.0	45.0	106.0	11.4	.0	13.0	.0	.0
46	250111	0	0	40500.0	27.0	68.0	104.0	35.0	4.7	.0	29.0	.0	.0
47	250115	0	0	26700.0	17.0	32.0	55.0	25.0	5.2	1.0	71.0	.0	.0
48	250120	0	0	17900.0	29.0	32.0	37.0	26.0	3.4	1.0	29.0	.0	.0
49	250121	0	0	15800.0	15.0	18.0	32.0	20.0	6.2	.0	8.0	.0	.0
50	250122	0	0	19700.0	41.0	37.0	49.0	8.0	4.8	.0	290.0	.0	.0
51	250123	0	0	69000.0	17.0	60.0	117.0	41.0	5.8	1.0	25.0	.0	.0
52	250124	0	0	20500.0	16.0	40.0	53.0	21.0	1.8	1.0	13.0	.0	.0
53	250125	0	0	166900.0	17.0	48.0	69.0	34.0	29.4	.0	13.0	.0	.0
54	250127	0	0	81700.0	11.0	37.0	65.0	28.0	2.3	.0	25.0	.0	.0
55	250128	0	0	176300.0	19.0	49.0	60.0	27.0	35.6	.0	62.0	.0	.0
56	250129	0	0	2600.0	15.0	67.0	42.0	13.0	1.5	1.0	12.0	.0	.0
57	250130	0	0	3900.0	18.0	54.0	32.0	28.0	1.1	.0	8.0	.0	.0
58	250131	0	0	138100.0	33.0	59.0	40.0	51.0	9.6	.0	12.0	.0	.0
59	250132	0	0	7000.0	19.0	55.0	45.0	26.0	.8	.0	12.0	.0	.0
60	250134	0	0	1500.0	26.0	80.0	51.0	29.0	.0	.0	25.0	.0	.0

64 PROSPEKTERINGSAVDELINGEN
65 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

LITHOPRØVER PORSANGER, MINUS FORVITREDE PRØVER.

67
68 FILNAVN : PORSLI2

ANTALL PRØVER : 121

LITHO PRØVER

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PD PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPM	AS PPM	BI PPM
73	250135	0	0	136000.0	12.0	25.0	28.0	28.0	13.4	.0	18.0	.0	.0
74	250136	0	0	18300.0	18.0	63.0	51.0	19.0	3.8	.0	12.0	.0	.0
75	250138	0	0	33700.0	18.0	39.0	50.0	31.0	16.8	.0	12.0	.0	.0
76	250139	0	0	103300.0	24.0	42.0	51.0	23.0	154.9	.0	16.0	.0	7.0
77	250141	0	0	600.0	37.0	57.0	79.0	32.0	1.5	.0	13.0	.0	38.0
78	250142	0	0	32600.0	22.0	52.0	110.0	33.0	16.4	.0	50.0	.0	.0
79	250145	0	0	187500.0	18.0	41.0	104.0	47.0	17.5	.0	38.0	.0	.0
80	250147	0	0	4300.0	12.0	37.0	47.0	37.0	1.6	.0	12.0	.0	.0
81	250148	0	0	9900.0	24.0	29.0	39.0	48.0	.7	.0	38.0	.0	.0
82	250150	0	0	389000.0	14.0	47.0	123.0	40.0	30.5	.0	20.0	.0	.0
83	250151	0	0	20900.0	19.0	49.0	33.0	56.0	10.6	.0	8.0	.0	.0
84	250153	0	0	25100.0	49.0	42.0	31.0	53.0	16.1	.0	10.0	.0	.0
85	250155	0	0	366000.0	113.0	74.0	401.0	47.0	66.7	.0	50.0	.0	.0
86	250158	0	0	24800.0	12.0	40.0	61.0	45.0	3.7	.0	.0	.0	.0
87	250160	0	0	24300.0	10.0	33.0	52.0	46.0	1.9	.0	60.0	.0	.0
88	250162	0	0	19400.0	9.0	57.0	53.0	60.0	.9	.0	.0	.0	.0
89	250163	0	0	7400.0	11.0	36.0	138.0	49.0	.0	.0	.0	.0	.0
90	250164	0	0	106300.0	16.0	25.0	36.0	27.0	6.4	.0	.0	.0	.0
91	250166	0	0	17900.0	13.0	27.0	78.0	42.0	3.8	.0	.0	.0	.0
92	250167	0	0	18600.0	15.0	67.0	30.0	65.0	1.3	.0	12.0	1.0	.0
93	250168	0	0	33800.0	19.0	46.0	72.0	50.0	2.6	.0	20.0	.0	.0
94	250170	0	0	2300.0	18.0	46.0	38.0	15.0	.0	.0	24.0	.0	.0
95	250172	0	0	12200.0	35.0	81.0	158.0	219.0	2.2	.0	16.0	.0	.0
96	250174	0	0	25200.0	13.0	68.0	187.0	27.0	4.2	.0	50.0	.0	.0
97	250175	0	0	2800.0	17.0	97.0	50.0	42.0	1.7	.0	8.0	.0	.0
98	250176	0	0	16300.0	16.0	41.0	44.0	23.0	7.0	1.0	.0	.0	.0
99	250181	0	0	1300.0	213.0	54.0	19.0	44.0	1.4	.0	.0	.0	.0
100	250185	0	0	63600.0	16.0	56.0	52.0	36.0	6.7	.0	.0	.0	.0
101	250187	0	0	22700.0	43.0	56.0	29.0	50.0	6.5	.0	.0	.0	.0
102	250188	0	0	199000.0	19.0	49.0	7.0	49.0	52.2	.0	.0	.0	.0
103	250189	0	0	27200.0	22.0	63.0	69.0	59.0	16.7	.0	.0	.0	.0
104	250191	0	0	14100.0	29.0	19.0	31.0	105.0	6.7	.0	.0	.0	.0
105	250192	0	0	2000.0	27.0	34.0	44.0	45.0	.0	.0	.0	1.0	.0
106	250194	0	0	43500.0	29.0	95.0	104.0	24.0	9.6	.0	.0	.0	.0
107	250196	0	0	57100.0	73.0	50.0	49.0	92.0	10.6	.0	.0	.0	.0
108	250197	0	0	196600.0	22.0	39.0	33.0	21.0	66.6	.0	.0	.0	.0
109	250198	0	0	7200.0	9.0	26.0	128.0	14.0	2.2	.0	.0	1.0	.0
110	250199	0	0	18800.0	34.0	79.0	81.0	51.0	.3	.0	.0	.0	.0
111	250206	0	0	9400.0	20.0	72.0	33.0	18.0	.5	.0	.0	1.0	.0
112	250207	0	0	6800.0	44.0	55.0	16.0	19.0	.3	.0	.0	.0	.0
113	250210	0	0	1700.0	17.0	28.0	8.0	7.0	.3	.0	.0	.0	.0
114	250211	0	0	500.0	28.0	23.0	2.0	5.0	.1	1.0	.0	.0	.0
115	250214	0	0	13200.0	35.0	52.0	14.0	7.0	3.5	2.0	.0	.0	.0
116	250216	0	0	2500.0	26.0	59.0	39.0	29.0	.9	1.0	.0	.0	.0
117	250218	0	0	6900.0	25.0	50.0	42.0	27.0	.9	1.0	.0	1.0	.0
118	250222	0	0	3600.0	12.0	27.0	9.0	4.0	.6	1.0	.0	.0	.0
119	250223	0	0	17400.0	15.0	65.0	49.0	24.0	6.3	1.0	.0	9.0	.0
120	250225	0	0	14300.0	96.0	67.0	41.0	40.0	3.2	1.0	.0	.0	.0
121	250226	0	0	16300.0	45.0	59.0	30.0	86.0	3.0	.0	.0	6.0	.0
122	250227	0	0	35200.0	98.0	74.0	32.0	21.0	7.2	.0	.0	.0	.0
123	250229	0	0	173900.0	36.0	48.0	38.0	20.0	16.2	.0	75.0	.0	.0

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127 PROSPEKTERINGSAVDELINGEN
128 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

LITHOPRØVER PORSANGER, MINUS FORVITREDE PRØVER.

131 FILNAVN : PORSLIZ

ANTALL PRØVER : 121

LITHO PRØVER

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPM	AS PPM	BI PPM
134	250231	0	0	18500.0	37.0	94.0	43.0	43.0	3.5	.0	.0	.0	.0
136	250232	0	0	9800.0	42.0	112.0	51.0	55.0	2.2	.0	.0	.0	.0
137	250233	0	0	91300.0	45.0	67.0	53.0	25.0	15.1	.0	.0	.0	.0
138	250234	0	0	47300.0	23.0	89.0	59.0	36.0	5.2	.0	.0	8.0	.0
139	250235	0	0	20900.0	1188.0	114.0	16.0	26.0	12.6	.0	.0	.0	.0
140	250236	0	0	13100.0	54.0	65.0	149.0	41.0	4.7	.0	.0	1.0	.0
141	250240	0	0	25000.0	65.0	108.0	83.0	92.0	17.6	.0	.0	1.0	.0
142	250241	0	0	1100.0	33.0	118.0	20.0	22.0	.8	.0	.0	.0	.0
143	250242	0	0	12200.0	27.0	133.0	37.0	23.0	7.7	.0	.0	1.0	.0
144	250243	0	0	1000.0	44.0	392.0	469.0	48.0	1.2	2.0	.0	18.0	.0
145	250245	0	0	3300.0	11.0	79.0	25.0	21.0	2.7	.0	.0	.0	.0
146	250246	0	0	172500.0	19.0	71.0	30.0	62.0	17.8	.0	.0	.0	.0
147	250247	0	0	82300.0	39.0	38.0	19.0	7.0	3.7	.0	.0	.0	.0
148	250249	0	0	20900.0	41.0	74.0	39.0	45.0	2.3	.0	12.0	.0	.0
149	250251	0	0	4700.0	18.0	32.0	86.0	34.0	1.4	.0	.0	5.0	.0
150	250253	0	0	11000.0	21.0	73.0	54.0	32.0	7.4	.0	8.0	1.0	.0
151	250254	0	0	17400.0	56.0	109.0	99.0	56.0	11.6	.0	.0	.0	.0
152	250256	0	0	1900.0	59.0	118.0	41.0	19.0	1.7	2.0	.0	1.0	.0
153	250257	0	0	100.0	101.0	47.0	23.0	14.0	.0	.0	.0	1.0	.0

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DATE 012384

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1 PROSPEKTERINGS-AVDELINGEN
2 NORSK HYDRO

QMRKDE NAVY : PORSAINGER

NR : 25

DELFIL_TIL_PORSLIT

5 FILNAME : PORSL01

ANTALL PRØVEP : 20

LITHO PREVER

8	PROVE X-KCROD	Y-KCROD	CU PPM	FE PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPM	AS PPM	BI PPM
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10	250006	0	0	1400.0	22.0	6.0	55.0	44.0	.0	1.0	.0	.0	.0
11	250007	0	0	14200.0	39.0	61.0	46.0	42.0	2.3	.0	.0	.0	.0
12	250009	0	0	9600.0	15.0	36.0	54.0	27.0	.9	.0	.0	.0	.0
13	250011	0	0	13600.0	23.0	53.0	64.0	86.0	1.3	.0	.0	.0	.0
14	250014	0	0	8100.0	69.0	33.0	69.0	30.0	1.8	.0	.0	.0	.0
15	250017	0	0	8000.0	24.0	33.0	61.0	50.0	1.2	.0	.0	.0	.0
16	250018	0	0	1000.0	11.0	15.0	47.0	18.0	.9	1.0	.0	.0	.0
17	250023	0	0	6400.0	31.0	49.0	40.0	25.0	1.5	.0	.0	.0	.0
18	250027	0	0	22100.0	32.0	48.0	45.0	79.0	7.1	1.0	.0	.0	.0
19	250030	0	0	5700.0	17.0	32.0	47.0	34.0	1.7	.0	.0	.0	.0
20	250031	0	0	7200.0	25.0	43.0	54.0	20.0	3.3	.0	.0	.0	.0
21	250036	0	0	7400.0	22.0	33.0	32.0	27.0	.5	.0	.0	.0	.0
22	250039	0	0	3800.0	17.0	19.0	54.0	80.0	1.1	.0	.0	.0	.0
23	250041	0	0	28000.0	17.0	33.0	40.0	39.0	2.7	.0	.0	.0	.0
24	250046	0	0	5800.0	19.0	273.0	56.0	37.0	2.1	.0	.0	.0	.0
25	250048	0	0	2400.0	29.0	49.0	79.0	32.0	1.1	.0	.0	.0	.0
26	250050	0	0	14000.0	18.0	49.0	40.0	82.0	4.1	.0	.0	.0	.0
27	250051	0	0	55000.0	15.0	72.0	18.0	55.0	3.9	.0	13.0	.0	.0
28	250052	0	0	5300.0	23.0	45.0	51.0	48.0	.5	.0	.0	.0	.0
29	250053	0	0	10400.0	21.0	51.0	44.0	70.0	.8	.0	8.0	.0	.0

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

KARENHAUGEN N.W.

DATE 012384

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1 PROSPEKTERINGSABDELINGEN

OMRÅDE NAVN : PORSANGER

NR : 25

2 NORSK HYDRO

DELFIL AV PORSLIT

5 FILNAVN : PORSLO3-

ANTALL PRØVER : 5

LITHO PRØVER

PRØVE	X-KOORD	Y-KOORD	CU PPM	PD PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPB	AS PPM	BI PPM
10	250073	0	0	9700.0	17.0	44.0	37.0	26.0	.6	.0	13.0	.0
11	250074	0	0	14300.0	14.0	37.0	39.0	23.0	2.4	.0	8.0	.0
12	250075	0	0	8800.0	15.0	55.0	79.0	25.0	1.5	.0	13.0	.0
13	250077	0	0	13300.0	24.0	69.0	35.0	32.0	1.7	.0	13.0	.0
14	250078	0	0	69900.0	15.0	46.0	74.0	39.0	3.8	.0	.0	.0

PORSVANH

DATE 012384

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1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

GMRÅDE NAVN : PORSANGER

NR : 25

DELFI L TIL PORSLIT

5 FILNAVN : PORSLO6

ANTALL PRØVER : 46

LITHO PRØVER

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PE PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPM	AS PPM	BI PPM
10	10	250130	0	0	3900.0	18.0	54.0	32.0	28.0	1.1	.0	8.0	.0
	11	250131	0	0	138100.0	33.0	59.0	40.0	51.0	9.6	.0	12.0	.0
	12	250132	0	0	7000.0	19.0	55.0	45.0	26.0	.8	.0	12.0	.0
	13	250134	0	0	1500.0	26.0	80.0	51.0	29.0	.0	.0	25.0	.0
	14	250135	0	0	136000.0	12.0	26.0	28.0	28.0	13.4	.0	16.0	.0
100	15	250136	0	0	18300.0	18.0	63.0	51.0	19.0	3.8	.0	12.0	.0
	16	250175	0	0	2800.0	17.0	97.0	50.0	42.0	1.7	.0	8.0	.0
24	17	250176	0	0	16300.0	16.0	41.0	44.0	23.0	7.0	1.0	.0	.0
	18	250181	0	0	1300.0	213.0	54.0	19.0	44.0	1.4	.0	.0	.0
10	19	250186	0	0	63600.0	16.0	55.0	52.0	36.0	6.7	.0	.0	.0
	20	250187	0	0	22700.0	43.0	56.0	29.0	50.0	6.5	.0	.0	.0
20	21	250188	0	0	199000.0	19.0	49.0	7.0	49.0	52.2	.0	.0	.0
	22	250189	0	0	27200.0	22.0	63.0	69.0	59.0	16.7	.0	.0	.0
	23	250191	0	0	14100.0	24.0	19.0	31.0	105.0	6.7	.0	.0	.0
	24	250192	0	0	2000.0	27.0	34.0	44.0	45.0	.0	.0	1.0	.0
	25	250194	0	0	43500.0	29.0	95.0	104.0	24.0	9.6	.0	.0	.0
	26	250196	0	0	57100.0	73.0	50.0	49.0	92.0	10.6	.0	.0	.0
24	27	250197	0	0	196600.0	22.0	39.0	33.0	21.0	66.6	.0	.0	.0
	28	250198	0	0	7200.0	9.0	26.0	128.0	14.0	2.2	.0	.0	1.0
20	29	250206	0	0	9400.0	20.0	72.0	33.0	16.0	.5	.0	.0	1.0
	30	250207	0	0	6800.0	44.0	55.0	16.0	19.0	.3	.0	.0	.0
	31	250210	0	0	1700.0	17.0	25.0	8.0	7.0	.3	1.0	.0	.0
	32	250211	0	0	500.0	28.0	23.0	2.0	5.0	.1	1.0	.0	.0
10	33	250214	0	0	13200.0	35.0	52.0	14.0	7.0	3.5	2.0	.0	.0
	34	250216	0	0	2500.0	26.0	59.0	39.0	29.0	.9	1.0	.0	.0
24	35	250218	0	0	6900.0	25.0	50.0	42.0	27.0	.9	1.0	.0	1.0
	36	250222	0	0	3600.0	12.0	27.0	9.0	4.0	.6	1.0	.0	.0
24	37	250223	0	0	17400.0	15.0	65.0	49.0	24.0	6.3	1.0	.0	9.0
	38	250225	0	0	14300.0	96.0	67.0	41.0	40.0	3.2	1.0	.0	.0
40	39	250226	0	0	16300.0	45.0	59.0	30.0	86.0	3.0	.0	.0	6.0
	40	250227	0	0	38200.0	95.0	74.0	32.0	21.0	7.2	.0	.0	.0
	41	250229	0	0	173900.0	36.0	48.0	38.0	20.0	16.2	.0	75.0	.0
	42	250231	0	0	18500.0	37.0	94.0	43.0	43.0	3.5	.0	.0	.0
20	43	250232	0	0	9800.0	42.0	112.0	51.0	55.0	2.2	.0	.0	.0
	44	250233	0	0	91300.0	45.0	67.0	53.0	25.0	15.1	.0	.0	.0
20	45	250234	0	0	47300.0	23.0	89.0	59.0	36.0	5.2	.0	.0	8.0
	46	250235	0	0	20900.0	1198.0	114.0	16.0	26.0	12.6	.0	.0	.0
24	47	250240	0	0	25000.0	65.0	103.0	83.0	92.0	17.6	.0	.0	1.0
	48	250241	0	0	1100.0	33.0	113.0	20.0	22.0	.8	.0	.0	.0
	49	250242	0	0	12200.0	27.0	193.0	37.0	23.0	7.7	.0	.0	1.0
	50	250243	0	0	1000.0	44.0	392.0	469.0	48.0	1.2	2.0	.0	18.0
20	51	250244	0	0	3300.0	11.0	79.0	25.0	21.0	2.7	.0	.0	.0
	52	250246	0	0	172500.0	19.0	71.0	30.0	62.0	17.8	.0	.0	.0
	53	250247	0	0	82300.0	39.0	35.0	19.0	7.0	3.7	.0	.0	.0
	54	250249	0	0	20900.0	41.0	74.0	39.0	45.0	2.3	.0	12.0	.0
	55	250253	0	0	11000.0	21.0	73.0	54.0	32.0	7.4	.0	8.0	1.0

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1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

3 DELFIL TIL PORSLIT

5 FILNAVN : PORSLO5

ANTALL PRØVER : 22

LITHO PRØVER

8 PRØVE X-KOORD Y-KOORD CU PPM PE PPM ZN PPM NI PPM CO PPM AG PPM W PPM AU PPM AS PPM BI PPM

10	10	250138	0	0	33700.0	18.0	39.0	50.0	31.0	16.8	.0	12.0	.0	.0
11	11	250139	0	0	103300.0	24.0	42.0	51.0	23.0	154.9	.0	16.0	.0	7.0
12	12	250141	0	0	600.0	37.0	57.0	79.0	32.0	1.5	.0	13.0	.0	38.0
13	13	250142	0	0	32600.0	22.0	52.0	110.0	33.0	16.4	.0	50.0	.0	.0
14	14	250145	0	0	187500.0	18.0	41.0	104.0	47.0	17.5	.0	38.0	.0	.0
15	15	250147	0	0	4300.0	12.0	37.0	47.0	37.0	1.6	.0	12.0	.0	.0
16	16	250148	0	0	9900.0	24.0	29.0	39.0	48.0	.7	.0	38.0	.0	.0
17	17	250150	0	0	389000.0	14.0	47.0	123.0	40.0	30.5	.0	20.0	.0	.0
18	18	250151	0	0	20900.0	19.0	49.0	33.0	56.0	10.6	.0	8.0	.0	.0
19	19	250153	0	0	25100.0	49.0	42.0	31.0	53.0	16.1	.0	10.0	.0	.0
20	20	250155	0	0	386000.0	113.0	74.0	401.0	47.0	66.7	.0	50.0	.0	.0
21	21	250158	0	0	26800.0	12.0	40.0	61.0	45.0	3.7	.0	.0	.0	.0
22	22	250160	0	0	24300.0	10.0	33.0	52.0	46.0	1.9	.0	60.0	.0	.0
23	23	250162	0	0	19400.0	9.0	57.0	53.0	60.0	.9	.0	.0	.0	.0
24	24	250163	0	0	7400.0	11.0	35.0	138.0	49.0	.0	.0	.0	.0	.0
25	25	250164	0	0	106300.0	16.0	28.0	36.0	27.0	6.4	.0	.0	.0	.0
26	26	250166	0	0	17900.0	13.0	27.0	76.0	42.0	3.8	.0	.0	.0	.0
27	27	250167	0	0	18600.0	15.0	67.0	30.0	65.0	1.3	.0	12.0	1.0	.0
28	28	250168	0	0	33800.0	19.0	46.0	72.0	50.0	2.6	.0	20.0	.0	.0
29	29	250170	0	0	2300.0	18.0	46.0	35.0	15.0	.0	.0	24.0	.0	.0
30	30	250172	0	0	12200.0	35.0	81.0	158.0	219.0	2.2	.0	16.0	.0	.0
31	31	250174	0	0	25200.0	13.0	68.0	187.0	27.0	4.2	.0	50.0	.0	.0

CORGUS

DATE 012384

PAGE 1

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFIL AV FORSLIT

5 FILNAVN : PORSLO4

LITHO PRØVER

ANTALL PRØVER : 22

PRØVE	X-KOORD	Y-KOORD	CU PPM	PR PPM	ZN PPM	NI PPM	CU PPM	AG PPM	W PPM	AU PPM	AS PPM	BI PPM
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10	250095	0	0	2200.0	27.0	74.0	84.0	76.0	1.1	.0	.0	3.0
11	250097	0	0	19600.0	16.0	67.0	48.0	31.0	5.5	.0	.0	.0
12	250098	0	0	700.0	19.0	45.0	49.0	29.0	.9	1.0	.0	.0
13	250100	0	0	13600.0	45.0	74.0	35.0	39.0	3.1	.0	.0	.0
14	250101	0	0	6100.0	28.0	77.0	57.0	24.0	1.2	.0	.0	.0
15	250102	0	0	21700.0	18.0	48.0	58.0	16.0	3.4	1.0	.0	.0
16	250103	0	0	22100.0	23.0	67.0	37.0	22.0	6.2	3.0	.0	.0
17	250104	0	0	20600.0	43.0	58.0	15.0	3.0	5.6	.0	.0	.0
18	250107	0	0	2500.0	39.0	110.0	66.0	27.0	2.3	1.0	.0	.0
19	250109	0	0	6500.0	63.0	19.0	35.0	16.0	4.4	.0	.0	.0
20	250110	0	0	117600.0	28.0	43.0	45.0	106.0	11.4	.0	13.0	.0
21	250111	0	0	40500.0	27.0	68.0	104.0	35.0	4.7	.0	29.0	.0
22	250115	0	0	26700.0	17.0	32.0	55.0	25.0	5.2	1.0	71.0	.0
23	250120	0	0	17900.0	29.0	32.0	37.0	26.0	3.4	1.0	29.0	.0
24	250121	0	0	15200.0	15.0	18.0	32.0	20.0	6.2	.0	8.0	.0
25	250122	0	0	19700.0	41.0	30.0	49.0	8.0	4.8	.0	290.0	.0
26	250123	0	0	69000.0	17.0	60.0	117.0	41.0	5.8	1.0	25.0	.0
27	250124	0	0	20500.0	16.0	40.0	53.0	21.0	1.8	1.0	13.0	.0
28	250125	0	0	166900.0	17.0	48.0	69.0	34.0	29.4	.0	13.0	.0
29	250127	0	0	81700.0	11.0	37.0	65.0	28.0	2.3	.0	25.0	.0
30	250128	0	0	176300.0	19.0	48.0	60.0	27.0	35.6	.0	62.0	.0
31	250129	0	0	2600.0	15.0	60.0	42.0	13.0	1.5	1.0	12.0	.0

NESVATNET

DATE 012384 PAGE 1

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFIL AV PORSLIT

5 FILNAVN : PORSLU9.

ANTALL PRØVER : 3

LITHO PRVER

[illegible][illegible]

11	250199	0	0	10800.0	34.0	79.5	81.0	51.0	.5	.0	.0	.0	.0
11	250236	0	0	13100.0	54.0	65.0	149.0	41.0	4.7	.0	.0	1.0	.0

11	250250	0	0	5100.0	18.0	32.0	86.0	34.0	1.4	.0	.0	5.0	.0
12	250251	0	0	4700.0	18.0	32.0	86.0	34.0	1.4	.0	.0	5.0	.0

DATE 012384

PAGE 1

1 PROSPEKTERINGSAVDELINGEN

CMRDE NAVN : PORSANGER

NR : 25

2 NORSK HYDRO

DELFIL AV PORSLIT

5 FILNAVN : PORSLO7

ANTALL PRØVER : 3

LITHO PRØVER

8	PRØVE	X-KOORD	Y-KOORD	CU PPM	PE PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPB	AS PPM	BI PPM
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10	10	250254	0	0	17400.0	56.0	109.0	99.0	56.0	11.6	.0	.0	.0
----	----	--------	---	---	---------	------	-------	------	------	------	----	----	----

Karensvatnet

11	11	250256	0	0	1900.0	59.0	118.0	41.0	19.0	1.7	2.0	.0	1.0
----	----	--------	---	---	--------	------	-------	------	------	-----	-----	----	-----

Elåskog

12	12	250257	0	0	100.0	101.0	47.0	23.0	14.0	.0	.0	.0	1.0
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Langbukta

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRØDE NAVN :

NR : 0

BEKKESSEDIMENTET FRA PORSANGER

FILNAVN : PORSBEK

ANTALL PRØVER : 209

BEKKESSEDIMENTET

8	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AU PPB	BI PPM	AG PPM	W PPM
9													
10	250001	0	0	29.0	17.0	72.0	79.0	20.0	1.0	10.0	.0	.0	.0
11	250002	0	0	26.0	15.0	58.0	16.0	12.0	.0	5.0	.0	.0	.0
12	250003	0	0	31.0	11.0	34.0	22.0	11.0	1.0	.0	.0	.0	.0
13	250004	0	0	21.0	10.0	25.0	16.0	8.0	.0	10.0	.0	.0	.0
14	250005	0	0	32.0	19.0	65.0	48.0	24.0	1.0	.0	.0	.0	.0
15	250006	0	0	14.0	9.0	17.0	17.0	11.0	1.0	.0	.0	.0	.0
16	250007	0	0	20.0	9.0	25.0	29.0	15.0	.0	10.0	.0	.0	.0
17	250008	0	0	26.0	8.0	21.0	27.0	12.0	.0	.0	.0	.0	.0
18	250009	0	0	6.0	8.0	10.0	14.0	10.0	.0	.0	.0	.0	.0
19	250010	0	0	38.0	13.0	34.0	25.0	18.0	1.0	.0	.0	.0	.0
20	250011	0	0	45.0	15.0	54.0	93.0	26.0	1.0	.0	.0	.0	.0
21	250012	0	0	39.0	11.0	53.0	82.0	22.0	1.0	23.0	.0	.0	.0
22	250013	0	0	60.0	13.0	82.0	176.0	42.0	1.0	.0	.0	.0	.0
23	250014	0	0	32.0	10.0	27.0	23.0	8.0	.0	.0	.0	.0	.0
24	250015	0	0	79.0	14.0	99.0	31.0	33.0	1.0	.0	1.0	.0	.0
25	250016	0	0	36.0	7.0	30.0	15.0	13.0	2.0	.0	.0	.0	.0
26	250017	0	0	26.0	7.0	17.0	18.0	6.0	.0	.0	.0	.0	.0
27	250018	0	0	29.0	6.0	22.0	16.0	5.0	1.0	15.0	.0	.0	.0
28	250019	0	0	22.0	6.0	17.0	23.0	6.0	.0	.0	.0	.0	.0
29	250020	0	0	66.0	8.0	21.0	30.0	5.0	1.0	10.0	.0	.0	.0
30	250021	0	0	166.0	8.0	41.0	77.0	18.0	1.0	10.0	.0	.0	.0
31	250022	0	0	57.0	8.0	19.0	20.0	9.0	1.0	15.0	.0	.0	.0
32	250023	0	0	68.0	9.0	62.0	51.0	16.0	3.0	5.0	.0	.0	.0
33	250024	0	0	17.0	6.0	25.0	20.0	7.0	.0	.0	.0	.0	.0
34	250025	0	0	15.0	5.0	19.0	18.0	5.0	.0	.0	.0	.0	.0
35	250026	0	0	36.0	4.0	18.0	19.0	6.0	.0	.0	.0	.0	.0
36	250027	0	0	30.0	5.0	30.0	38.0	14.0	.0	70.0	1.0	.0	.0
37	250028	0	0	13.0	6.0	15.0	17.0	4.0	.0	.0	.0	.0	.0
38	250029	0	0	15.0	6.0	17.0	13.0	9.0	.0	.0	.0	.0	.0
39	250030	0	0	21.0	6.0	33.0	24.0	15.0	.0	.0	.0	.0	.0
40	250031	0	0	33.0	6.0	35.0	109.0	18.0	.0	12.0	.0	.0	.0
41	250032	0	0	64.0	7.0	42.0	151.0	18.0	.0	.0	.0	.0	.0
42	250033	0	0	19.0	5.0	30.0	79.0	12.0	.0	12.0	.0	.0	.0
43	250034	0	0	39.0	9.0	65.0	88.0	22.0	.0	12.0	.0	.0	.0
44	250035	0	0	16.0	7.0	22.0	22.0	12.0	.0	12.0	.0	.0	.0
45	250036	0	0	88.0	10.0	125.0	75.0	30.0	.0	.0	.0	.0	.0
46	250037	0	0	28.0	12.0	39.0	26.0	13.0	.0	.0	.0	.0	.0
47	250038	0	0	133.0	40.0	66.0	46.0	14.0	1.0	.0	.0	.0	.0
48	250039	0	0	176.0	16.0	81.0	72.0	18.0	1.0	.0	.0	.0	.0
49	250040	0	0	252.0	29.0	90.0	55.0	19.0	.0	.0	.0	.0	.0
50	250041	0	0	61.0	12.0	53.0	47.0	15.0	.0	.0	.0	.0	.0
51	250042	0	0	76.0	13.0	50.0	43.0	13.0	.0	.0	.0	.0	.0
52	250043	0	0	159.0	15.0	45.0	53.0	16.0	.0	.0	.0	.0	.0
53	250044	0	0	10.0	5.0	19.0	16.0	8.0	.0	.0	.0	.0	.0
54	250045	0	0	21.0	10.0	18.0	33.0	12.0	1.0	.0	.0	.0	.0
55	250046	0	0	26.0	7.0	18.0	27.0	9.0	.0	.0	.0	.0	.0
56	250047	0	0	19.0	8.0	19.0	33.0	6.0	1.0	.0	.0	.0	.0
57	250048	0	0	17.0	10.0	29.0	24.0	7.0	1.0	.0	.0	.0	.0
58	250049	0	0	53.0	12.0	39.0	56.0	15.0	1.0	.0	.0	.0	.0
59	250050	0	0	37.0	10.0	47.0	33.0	14.0	1.0	.0	.0	.0	.0
60	250051	0	0	24.0	9.0	41.0	26.0	15.0	.0	10.0	.0	.0	.0

64 PROSPEKTERINGS-AVDELINGEN
65 NORSK HYDRO

OMRÅDE NAVN :

NR : 0

BEKKESSEDIMENTER FRA PORSÅNGER

FILNAVN : PORSBEK

ANTALL PRØVER : 209

BEKKESSEDIMENTER

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AU PPB	BI PPM	AG PPM	W PPM
73	250052	0	0	12.0	6.0	21.0	15.0	6.0	.0	.0	1.0	.0	.0
74	250053	0	0	151.0	10.0	47.0	122.0	14.0	.0	10.0	.0	.0	.0
75	250054	0	0	29.0	7.0	32.0	45.0	20.0	.0	.0	1.0	.0	.0
76	250055	0	0	137.0	13.0	64.0	51.0	19.0	.0	12.0	1.0	.0	.0
77	250056	0	0	166.0	11.0	120.0	119.0	30.0	.0	.0	.0	.0	.0
78	250057	0	0	35.0	7.0	44.0	33.0	12.0	.0	.0	.0	.0	.0
79	250058	0	0	669.0	12.0	45.0	44.0	25.0	.0	.0	.0	.0	.0
80	250059	0	0	142.0	8.0	35.0	31.0	13.0	.0	.0	.0	.0	.0
81	250060	0	0	56.0	8.0	56.0	40.0	16.0	.0	.0	.0	.0	.0
82	250061	0	0	43.0	11.0	56.0	50.0	28.0	1.0	.0	.0	.0	.0
83	250062	0	0	20.0	9.0	45.0	36.0	20.0	.0	.0	.0	.0	.0
84	250063	0	0	63.0	11.0	59.0	40.0	15.0	.0	.0	.0	.0	.0
85	250064	0	0	13.0	3.0	12.0	12.0	4.0	.0	.0	.0	.0	.0
86	250065	0	0	40.0	12.0	97.0	36.0	35.0	.0	.0	.0	.0	.0
87	250066	0	0	21.0	11.0	35.0	23.0	16.0	.0	.0	.0	.0	.0
88	250067	0	0	64.0	10.0	75.0	92.0	20.0	.0	.0	.0	.0	.0
89	250068	0	0	37.0	17.0	111.0	45.0	19.0	.0	.0	.0	.0	.0
90	250069	0	0	44.0	6.0	63.0	50.0	17.0	1.0	.0	.0	.0	.0
91	250070	0	0	14.0	4.0	14.0	29.0	7.0	.0	.0	.0	.0	.0
92	250071	0	0	91.0	9.0	135.0	61.0	20.0	.0	.0	.0	.0	.0
93	250072	0	0	37.0	15.0	103.0	43.0	23.0	.0	.0	.0	.0	.0
94	250073	0	0	60.0	21.0	65.0	66.0	22.0	.0	.0	.0	.0	.0
95	250074	0	0	33.0	6.0	35.0	33.0	14.0	.0	.0	.0	.0	.0
96	250075	0	0	19.0	26.0	53.0	28.0	12.0	1.0	.0	.0	.0	.0
97	250076	0	0	136.0	10.0	37.0	16.0	9.0	1.0	.0	.0	.0	.0
98	250077	0	0	6.0	3.0	17.0	16.0	9.0	1.0	.0	.0	.0	.0
99	250078	0	0	85.0	12.0	25.0	24.0	7.0	.0	156.0	.0	.0	.0
100	250079	0	0	16.0	6.0	31.0	30.0	13.0	1.0	.0	.0	.0	.0
101	250080	0	0	64.0	10.0	32.0	78.0	22.0	1.0	.0	.0	.0	.0
102	250081	0	0	49.0	8.0	46.0	86.0	23.0	1.0	.0	.0	.0	.0
103	250082	0	0	110.0	12.0	28.0	50.0	23.0	1.0	.0	.0	.0	.0
104	250083	0	0	13.0	5.0	22.0	29.0	19.0	.0	.0	.0	.0	.0
105	250084	0	0	33.0	9.0	52.0	48.0	16.0	.0	.0	.0	.0	.0
106	250085	0	0	9.0	3.0	16.0	22.0	10.0	.0	.0	.0	.0	.0
107	250086	0	0	91.0	8.0	119.0	163.0	25.0	.0	.0	1.0	.0	.0
108	250087	0	0	17.0	10.0	38.0	64.0	13.0	.0	9.0	.0	.0	.0
109	250088	0	0	107.0	10.0	53.0	42.0	14.0	.0	.0	1.0	.0	.0
110	250089	0	0	19.0	8.0	22.0	29.0	10.0	.0	.0	.0	.0	.0
111	250090	0	0	19.0	6.0	18.0	20.0	9.0	1.0	.0	.0	.0	.0
112	250091	0	0	59.0	8.0	37.0	35.0	15.0	.0	.0	.0	.0	.0
113	250092	0	0	41.0	4.0	36.0	40.0	14.0	1.0	.0	.0	.0	.0
114	250093	0	0	39.0	3.0	30.0	44.0	11.0	.0	.0	.0	.0	.0
115	250094	0	0	202.0	7.0	83.0	46.0	21.0	.0	.0	.0	.0	.0
116	250095	0	0	33.0	5.0	28.0	27.0	12.0	1.0	.0	.0	.0	.0
117	250096	0	0	146.0	13.0	175.0	72.0	23.0	1.0	.0	.0	.0	.0
118	250097	0	0	72.0	8.0	104.0	76.0	26.0	.0	.0	.0	.0	.0
119	250098	0	0	61.0	4.0	38.0	44.0	20.0	2.0	.0	.0	.0	.0
120	250099	0	0	29.0	6.0	42.0	40.0	16.0	.0	.0	.0	.0	.0
121	250100	0	0	12.0	6.0	22.0	14.0	7.0	.0	.0	.0	.0	.0
122	250101	0	0	10.0	2.0	25.0	19.0	2.0	1.0	9.0	.0	.0	.0
123	250102	0	0	14.0	12.0	52.0	14.0	5.0	.0	.0	.0	.0	.0

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125

126

127 PROSPEKTERINGS-AVDELINGEN

128 MØKSE HYDRO

129

130

131 FILNAVN : POPSSEK

132

133

134

135

OPRÅDE NAVN :

NR : 0

BEKKESSEDIMENTET FRA POPSANGER

BEKKESSEDIMENTET

ANTALL PRØVER : 209

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AU PPB	BI PPM	AG PPM	W PPM
136	250103	0	0	6.0	6.0	28.0	12.0	7.0	1.0	.0	.0	.0	.0
137	250104	0	0	19.0	11.0	12.0	5.0	3.0	.0	.0	.0	.0	.0
138	250105	0	0	8.0	6.0	18.0	17.0	4.0	.0	.0	.0	.0	.0
139	250106	0	0	9.0	4.0	17.0	11.0	4.0	.0	.0	.0	.0	.0
140	250107	0	0	49.0	5.0	55.0	189.0	17.0	1.0	.0	.0	.0	.0
141	250108	0	0	17.0	7.0	43.0	17.0	4.0	.0	.0	.0	.0	.0
142	250109	0	0	106.0	8.0	36.0	253.0	18.0	2.0	.0	.0	.0	.0
143	250110	0	0	23.0	9.0	21.0	16.0	7.0	.0	.0	.0	.0	.0
144	250111	0	0	137.0	11.0	339.0	172.0	23.0	2.0	.0	.0	.0	.0
145	250112	0	0	112.0	8.0	62.0	95.0	20.0	2.0	.0	.0	.0	.0
146	250113	0	0	41.0	6.0	48.0	26.0	7.0	3.0	.0	.0	.0	.0
147	250114	0	0	18.0	8.0	67.0	12.0	13.0	1.0	.0	.0	.0	.0
148	250115	0	0	185.0	13.0	532.0	245.0	27.0	2.0	.0	.0	.0	.0
149	250116	0	0	17.0	4.0	9.0	10.0	12.0	.0	.0	.0	.0	.0
150	250117	0	0	16.0	8.0	4.0	15.0	9.0	.0	.0	.0	.0	.0
151	250118	0	0	31.0	8.0	27.0	57.0	17.0	1.0	.0	.0	.0	.0
152	250119	0	0	211.0	10.0	51.0	36.0	16.0	4.0	.0	.0	.0	.0
153	250120	0	0	61.0	8.0	24.0	62.0	12.0	5.0	.0	.0	.0	.0
154	250121	0	0	33.0	7.0	32.0	63.0	15.0	1.0	.0	.0	.0	.0
155	250122	0	0	72.0	6.0	53.0	69.0	9.0	.0	.0	.0	.0	.0
156	250123	0	0	44.0	6.0	45.0	70.0	18.0	1.0	.0	.0	.0	.0
157	250124	0	0	96.0	10.0	56.0	108.0	25.0	2.0	.0	.0	.0	.0
158	250125	0	0	32.0	8.0	26.0	30.0	15.0	1.0	.0	.0	.0	.0
159	250126	0	0	21.0	6.0	22.0	17.0	14.0	.0	.0	.0	.0	.0
160	250127	0	0	22.0	11.0	28.0	22.0	16.0	1.0	.0	.0	.0	.0
161	250128	0	0	29.0	12.0	25.0	22.0	18.0	.0	.0	.0	.0	.0
162	250129	0	0	21.0	9.0	29.0	19.0	15.0	.0	.0	.0	.0	.0
163	250130	0	0	12.0	26.0	25.0	15.0	12.0	.0	.0	.0	.0	.0
164	250131	0	0	110.0	17.0	94.0	22.0	25.0	1.0	.0	.0	.0	.0
165	250132	0	0	22.0	5.0	19.0	20.0	17.0	1.0	.0	.0	.0	.0
166	250133	0	0	22.0	9.0	14.0	19.0	18.0	1.0	.0	.0	.0	.0
167	250134	0	0	45.0	15.0	56.0	25.0	20.0	.0	.0	.0	.0	.0
168	250135	0	0	12.0	9.0	27.0	9.0	8.0	1.0	.0	.0	.0	.0
169	250136	0	0	39.0	16.0	31.0	20.0	13.0	1.0	.0	.0	.0	.0
170	250137	0	0	11.0	9.0	25.0	15.0	7.0	1.0	.0	.0	.0	.0
171	250138	0	0	22.0	17.0	20.0	18.0	16.0	.0	.0	.0	.0	.0
172	250139	0	0	46.0	8.0	20.0	17.0	10.0	.0	18.0	.0	.0	.0
173	250140	0	0	195.0	6.0	17.0	15.0	10.0	.0	.0	.0	.0	.0
174	250141	0	0	15.0	9.0	37.0	23.0	16.0	.0	.0	.0	.0	.0
175	250142	0	0	21.0	10.0	26.0	14.0	11.0	.0	.0	.0	.0	.0
176	250143	0	0	16.0	5.0	32.0	20.0	8.0	2.0	.0	.0	.0	.0
177	250144	0	0	26.0	9.0	52.0	49.0	14.0	.0	.0	.0	.0	.0
178	250145	0	0	15.0	6.0	19.0	10.0	6.0	.0	.0	.0	.0	.0
179	250146	0	0	41.0	7.0	38.0	19.0	11.0	.0	.0	.0	.0	.0
180	250147	0	0	5.0	4.0	18.0	17.0	10.0	1.0	.0	.0	.0	.0
181	250148	0	0	24.0	5.0	26.0	15.0	10.0	.0	.0	.0	.0	.0
182	250149	0	0	43.0	4.0	35.0	50.0	9.0	1.0	.0	.0	.0	.0
183	250150	0	0	11.0	13.0	19.0	10.0	6.0	.0	.0	.0	.0	.0
184	250151	0	0	60.0	14.0	54.0	62.0	14.0	4.0	.0	.0	.0	.0
185	250152	0	0	13.0	15.0	24.0	12.0	8.0	.0	.0	.0	.0	.0
186	250153	0	0	62.0	19.0	84.0	31.0	17.0	5.0	.0	.0	.0	.0

187

188

189

W

190 PROSPEKTERINGS-AVDELINGEN
191 NORSK HYDRO

OMRDE NAVN :

NR : 0

BEKKSESEDIMENTER FRA PORSANGER

194 FILNAVN : PORSSEK

ANTALL PRØVER : 209

195 BEKKSESEDIMENTER

196	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AU PPB	BI PPM	AG PPM	W PPM
197	250154	0	0	18.0	16.0	34.0	18.0	14.0	.0	.0	.0	.0	.0
198	250155	0	0	107.0	18.0	58.0	35.0	17.0	2.0	.0	.0	.0	.0
199	250156	0	0	30.0	12.0	33.0	25.0	15.0	1.0	.0	.0	.0	.0
200	250157	0	0	53.0	11.0	64.0	30.0	12.0	1.0	16.0	.0	.0	.0
201	250158	0	0	53.0	16.0	52.0	48.0	22.0	.0	.0	.0	.0	.0
202	250159	0	0	88.0	11.0	94.0	48.0	12.0	1.0	.0	.0	.0	.0
203	250160	0	0	114.0	12.0	110.0	79.0	22.0	2.0	.0	.0	.0	.0
204	250161	0	0	56.0	11.0	55.0	35.0	14.0	1.0	.0	.0	.0	.0
205	250162	0	0	83.0	15.0	49.0	41.0	24.0	1.0	67.0	.0	.0	.0
206	250163	0	0	103.0	14.0	64.0	31.0	20.0	1.0	.0	.0	.0	.0
207	250164	0	0	109.0	12.0	53.0	46.0	22.0	1.0	.0	.0	.0	.0
208	250165	0	0	163.0	4.0	44.0	36.0	15.0	2.0	.0	.0	.0	.0
209	250166	0	0	45.0	9.0	52.0	29.0	15.0	1.0	.0	.0	.0	.0
210	250167	0	0	215.0	12.0	227.0	93.0	40.0	2.0	.0	.0	.0	.0
211	250168	0	0	121.0	11.0	47.0	33.0	20.0	1.0	.0	.0	.0	.0
212	250169	0	0	108.0	10.0	92.0	73.0	21.0	2.0	.0	.0	.0	.0
213	250170	0	0	179.0	6.0	40.0	34.0	22.0	1.0	.0	.0	.0	.0
214	250171	0	0	19.0	4.0	19.0	16.0	7.0	.0	.0	.0	.0	.0
215	250172	0	0	102.0	11.0	30.0	44.0	14.0	.0	.0	.0	.0	.0
216	250173	0	0	23.0	13.0	28.0	14.0	7.0	1.0	.0	.0	.0	.0
217	250174	0	0	41.0	12.0	37.0	37.0	14.0	1.0	.0	.0	.0	.0
218	250175	0	0	32.0	11.0	21.0	19.0	11.0	.0	.0	.0	.0	.0
219	250176	0	0	66.0	16.0	74.0	49.0	14.0	.0	.0	.0	.0	.0
220	250177	0	0	10.0	11.0	10.0	8.0	3.0	1.0	.0	.0	.0	.0
221	250178	0	0	22.0	12.0	31.0	19.0	8.0	.0	.0	.0	.0	.0
222	250179	0	0	10.0	9.0	11.0	14.0	5.0	1.0	.0	.0	.0	.0
223	250180	0	0	89.0	24.0	139.0	136.0	29.0	3.0	.0	.0	.0	.0
224	250181	0	0	8.0	8.0	17.0	11.0	3.0	1.0	.0	.0	.0	.0
225	250182	0	0	56.0	18.0	72.0	247.0	30.0	1.0	.0	.0	.0	.0
226	250183	0	0	10.0	12.0	24.0	15.0	6.0	2.0	.0	.0	.0	.0
227	250184	0	0	204.0	18.0	98.0	57.0	16.0	1.0	.0	.0	.0	.0
228	250185	0	0	126.0	14.0	74.0	40.0	12.0	.0	.0	.0	.0	.0
229	250186	0	0	602.0	22.0	73.0	101.0	13.0	4.0	.0	.0	.0	.0
230	250187	0	0	22.0	9.0	44.0	18.0	10.0	.0	.0	.0	.0	.0
231	250188	0	0	47.0	18.0	93.0	43.0	10.0	2.0	.0	.0	.0	.0
232	250189	0	0	49.0	13.0	61.0	35.0	9.0	2.0	.0	.0	.0	.0
233	250190	0	0	27.0	10.0	73.0	28.0	16.0	3.0	.0	.0	.0	.0
234	250191	0	0	39.0	9.0	75.0	34.0	10.0	1.0	.0	.0	.0	.0
235	250192	0	0	22.0	4.0	22.0	18.0	9.0	.0	.0	.0	.0	.0
236	250193	0	0	72.0	5.0	130.0	68.0	15.0	.0	.0	.0	.0	.0
237	250194	0	0	44.0	12.0	102.0	39.0	12.0	1.0	.0	.0	.0	.0
238	250195	0	0	103.0	7.0	233.0	62.0	22.0	4.0	.0	.0	.0	.0
239	250196	0	0	10.0	9.0	13.0	8.0	2.0	1.0	.0	.0	.0	.0
240	250197	0	0	52.0	11.0	46.0	60.0	10.0	1.0	.0	.0	.0	.0
241	250198	0	0	72.0	10.0	31.0	17.0	19.0	.0	.0	.0	.0	.0
242	250199	0	0	196.0	16.0	75.0	115.0	26.0	2.0	.0	.0	.0	.0
243	250200	0	0	26.0	9.0	39.0	34.0	9.0	1.0	.0	.0	.0	.0
244	250201	0	0	19.0	12.0	21.0	9.0	5.0	.0	.0	.0	.0	.0
245	250202	0	0	22.0	8.0	19.0	9.0	4.0	.0	.0	.0	.0	.0
246	250203	0	0	22.0	10.0	25.0	20.0	4.0	1.0	.0	.0	.0	.0
247	250204	0	0	79.0	6.0	14.0	81.0	10.0	2.0	12.0	.0	.0	.0

250

251

252

253 PROSPEKTERINGSAVDELINGEN

OMRÅDE NAVN :

NR : 0

254 NORSK HYDRO

BEKKSESEDIMENTER FRA PORSANGER

255

256

257 FILNAVN : PORSBEK

ANTALL PRØVER : 209

258

BEKKSESEDIMENTER

259

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AU PPB	BI PPM	AG PPM	W PPM
260													
261													
262	250205	0	0	30.0	14.0	46.0	26.0	10.0	3.0	.0	.0	.0	.0
263	250206	0	0	128.0	62.0	73.0	122.0	26.0	1.0	.0	.0	.0	.0
264	250207	0	0	21.0	8.0	26.0	17.0	4.0	3.0	.0	.0	.0	.0
265	250208	0	0	22.0	12.0	33.0	19.0	6.0	1.0	.0	.0	.0	.0
266	250209	0	0	14.0	7.0	26.0	16.0	7.0	1.0	.0	.0	.0	.0

1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRØDE NAVN : PORSANGER

NR : 25

SAMMENLIKNING KORNFRAKSJONER

FILNAVN : PORSAM

ANTALL PRØVER : 100

Cu >0.2 Cu <0.2 Pb >0.2 Pb <0.2 Zn >0.2 Zn <0.2 Ni >0.2 Ni <0.2 Co >0.2 Co <0.2

	PROVE	X-KOORD	Y-KOORD	C1 PPM	C3 PPM	P1 PPM	P2 PPM	Z1 PPM	Z2 PPM	N1 PPM	N2 PPM	C2 PPM	C4 PPM
9													
10	250025	0	0	19.0	18.0	4.0	5.0	14.0	19.0	6.0	18.0	2.0	5.0
11	250026	0	0	47.0	38.0	10.0	4.0	18.0	18.0	13.0	19.0	7.0	6.0
12	250027	0	0	21.0	30.0	7.0	5.0	21.0	30.0	20.0	38.0	21.0	14.0
13	250030	0	0	22.0	21.0	5.0	6.0	36.0	33.0	21.0	24.0	12.0	15.0
14	250031	0	0	31.0	33.0	4.0	6.0	36.0	35.0	97.0	109.0	15.0	18.0
15	250033	0	0	8.0	19.0	9.0	5.0	16.0	30.0	32.0	79.0	3.0	12.0
16	250034	0	0	5.0	39.0	6.0	9.0	48.0	65.0	48.0	88.0	10.0	22.0
17	250035	0	0	10.0	16.0	3.0	7.0	15.0	22.0	14.0	22.0	9.0	12.0
18	250036	0	0	47.0	133.0	19.0	40.0	25.0	66.0	21.0	46.0	16.0	14.0
19	250039	0	0	159.0	176.0	14.0	16.0	85.0	81.0	55.0	72.0	18.0	18.0
20	250040	0	0	290.0	252.0	19.0	29.0	99.0	90.0	64.0	55.0	23.0	19.0
21	250044	0	0	6.0	10.0	9.0	5.0	13.0	19.0	6.0	16.0	4.0	8.0
22	250049	0	0	39.0	53.0	6.0	12.0	30.0	39.0	39.0	56.0	15.0	15.0
23	250050	0	0	31.0	37.0	9.0	10.0	37.0	47.0	28.0	33.0	8.0	14.0
24	250052	0	0	12.0	12.0	9.0	6.0	27.0	21.0	20.0	15.0	8.0	6.0
25	250053	0	0	117.0	151.0	5.0	10.0	39.0	47.0	71.0	122.0	13.0	14.0
26	250054	0	0	28.0	29.0	6.0	7.0	32.0	32.0	19.0	45.0	13.0	20.0
27	250055	0	0	175.0	137.0	13.0	13.0	116.0	64.0	42.0	51.0	25.0	19.0
28	250057	0	0	23.0	35.0	3.0	7.0	30.0	44.0	7.0	33.0	5.0	12.0
29	250058	0	0	564.0	669.0	18.0	12.0	55.0	48.0	21.0	44.0	27.0	25.0
30	250059	0	0	314.0	142.0	10.0	8.0	44.0	35.0	20.0	31.0	13.0	13.0
31	250062	0	0	58.0	20.0	13.0	9.0	59.0	45.0	73.0	36.0	22.0	20.0
32	250064	0	0	32.0	13.0	3.0	3.0	13.0	12.0	8.0	12.0	5.0	4.0
33	250065	0	0	37.0	40.0	11.0	12.0	74.0	97.0	42.0	38.0	18.0	35.0
34	250071	0	0	124.0	91.0	10.0	9.0	149.0	135.0	56.0	61.0	30.0	20.0
35	250072	0	0	32.0	37.0	15.0	15.0	72.0	103.0	13.0	43.0	20.0	23.0
36	250073	0	0	77.0	60.0	29.0	21.0	42.0	65.0	30.0	66.0	21.0	22.0
37	250074	0	0	36.0	33.0	3.0	6.0	16.0	35.0	15.0	33.0	10.0	14.0
38	250077	0	0	15.0	8.0	6.0	3.0	10.0	17.0	10.0	16.0	10.0	9.0
39	250078	0	0	74.0	85.0	7.0	12.0	13.0	25.0	15.0	24.0	12.0	7.0
40	250079	0	0	20.0	16.0	5.0	6.0	9.0	31.0	15.0	30.0	6.0	13.0
41	250081	0	0	62.0	49.0	8.0	8.0	23.0	46.0	74.0	86.0	33.0	28.0
42	250082	0	0	113.0	110.0	10.0	12.0	33.0	28.0	29.0	50.0	19.0	23.0
43	250085	0	0	10.0	9.0	9.0	3.0	16.0	16.0	18.0	22.0	16.0	10.0
44	250087	0	0	27.0	17.0	13.0	10.0	67.0	38.0	84.0	64.0	26.0	18.0
45	250088	0	0	150.0	107.0	14.0	10.0	70.0	53.0	37.0	42.0	25.0	14.0
46	250089	0	0	22.0	19.0	5.0	8.0	19.0	22.0	13.0	29.0	9.0	10.0
47	250093	0	0	128.0	39.0	12.0	3.0	89.0	30.0	105.0	44.0	29.0	11.0
48	250094	0	0	313.0	202.0	15.0	7.0	133.0	83.0	49.0	46.0	30.0	21.0
49	250096	0	0	150.0	146.0	16.0	13.0	174.0	173.0	52.0	72.0	31.0	23.0
50	250099	0	0	29.0	29.0	5.0	6.0	36.0	42.0	32.0	40.0	20.0	16.0
51	250100	0	0	13.0	12.0	5.0	6.0	20.0	22.0	21.0	14.0	5.0	7.0
52	250101	0	0	16.0	10.0	9.0	2.0	20.0	25.0	15.0	19.0	14.0	2.0
53	250102	0	0	13.0	14.0	9.0	12.0	37.0	52.0	20.0	19.0	10.0	8.0
54	250103	0	0	9.0	6.0	7.0	6.0	16.0	28.0	12.0	12.0	11.0	7.0
55	250104	0	0	30.0	19.0	7.0	11.0	18.0	12.0	7.0	5.0	7.0	3.0
56	250106	0	0	7.0	9.0	4.0	4.0	12.0	17.0	6.0	11.0	12.0	4.0
57	250107	0	0	85.0	49.0	3.0	5.0	70.0	55.0	265.0	189.0	28.0	17.0
58	250108	0	0	14.0	17.0	6.0	7.0	12.0	43.0	13.0	17.0	5.0	4.0
59	250110	0	0	32.0	23.0	6.0	9.0	17.0	21.0	19.0	16.0	13.0	7.0
60	250112	0	0	68.0	112.0	15.0	8.0	46.0	62.0	118.0	95.0	25.0	20.0

64 PROSPEKTERINGS-AVDELINGEN
65 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

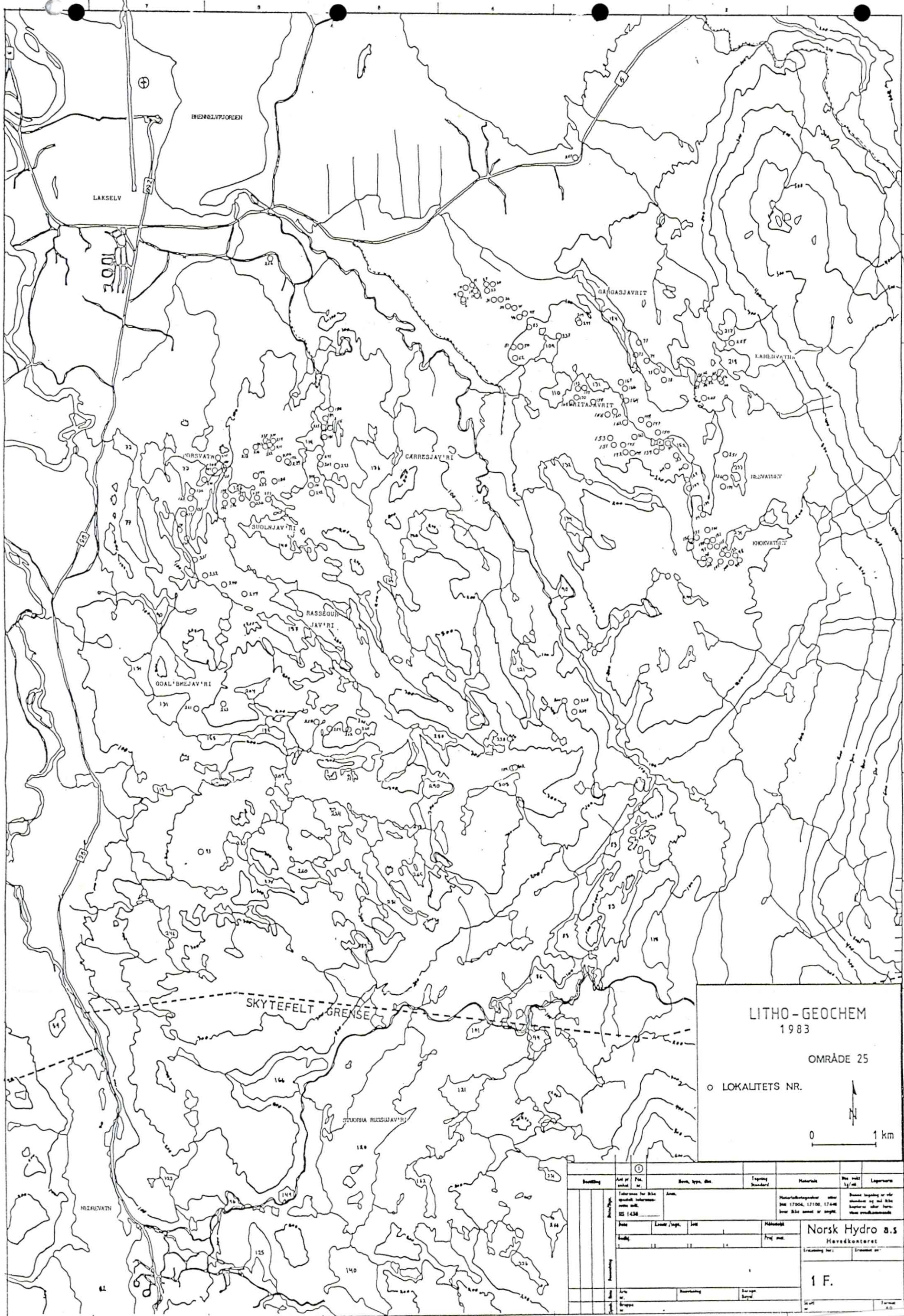
SAMMENLIKNING KORNFRAKSJONER

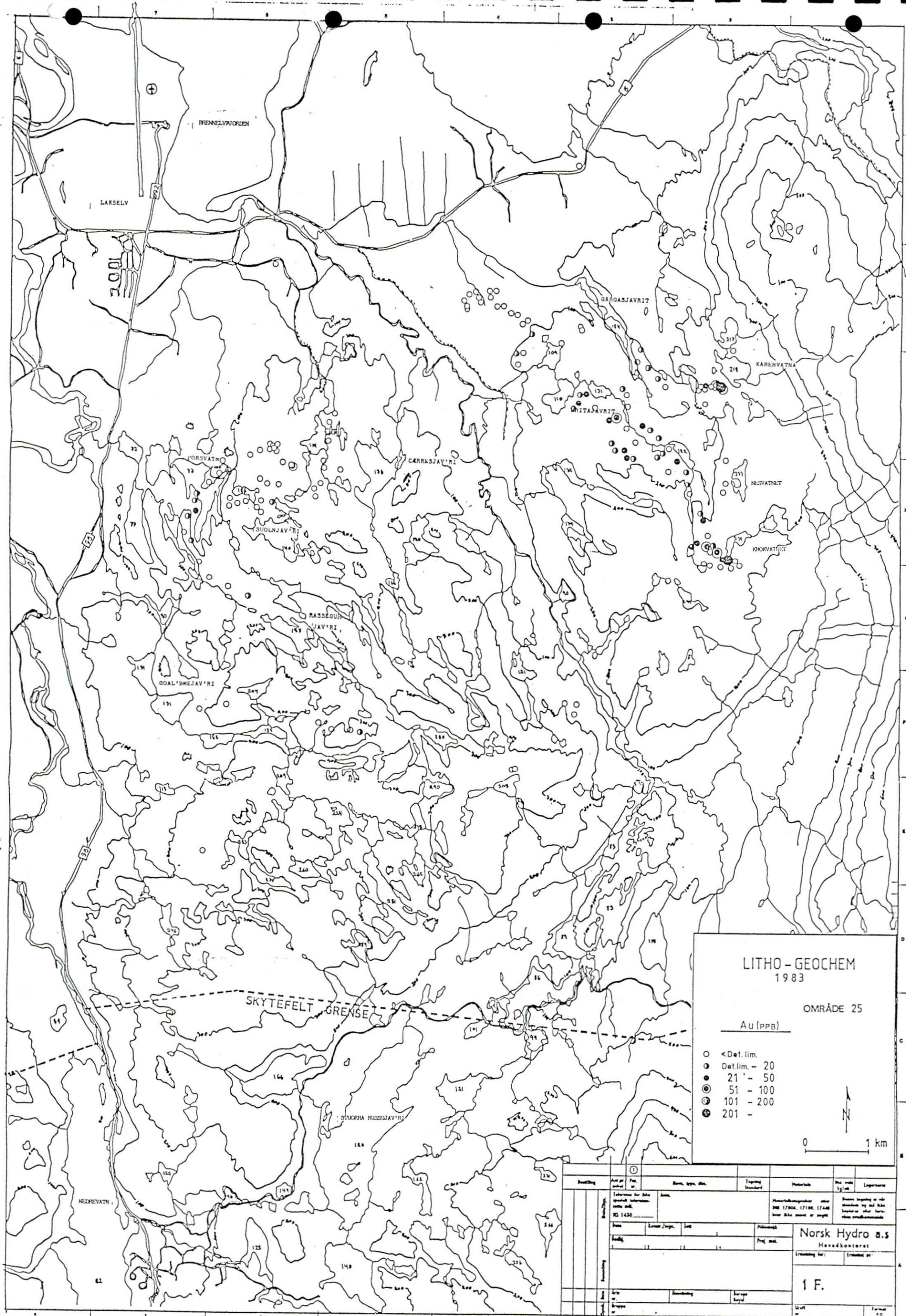
FILNÅVN : PORSAN

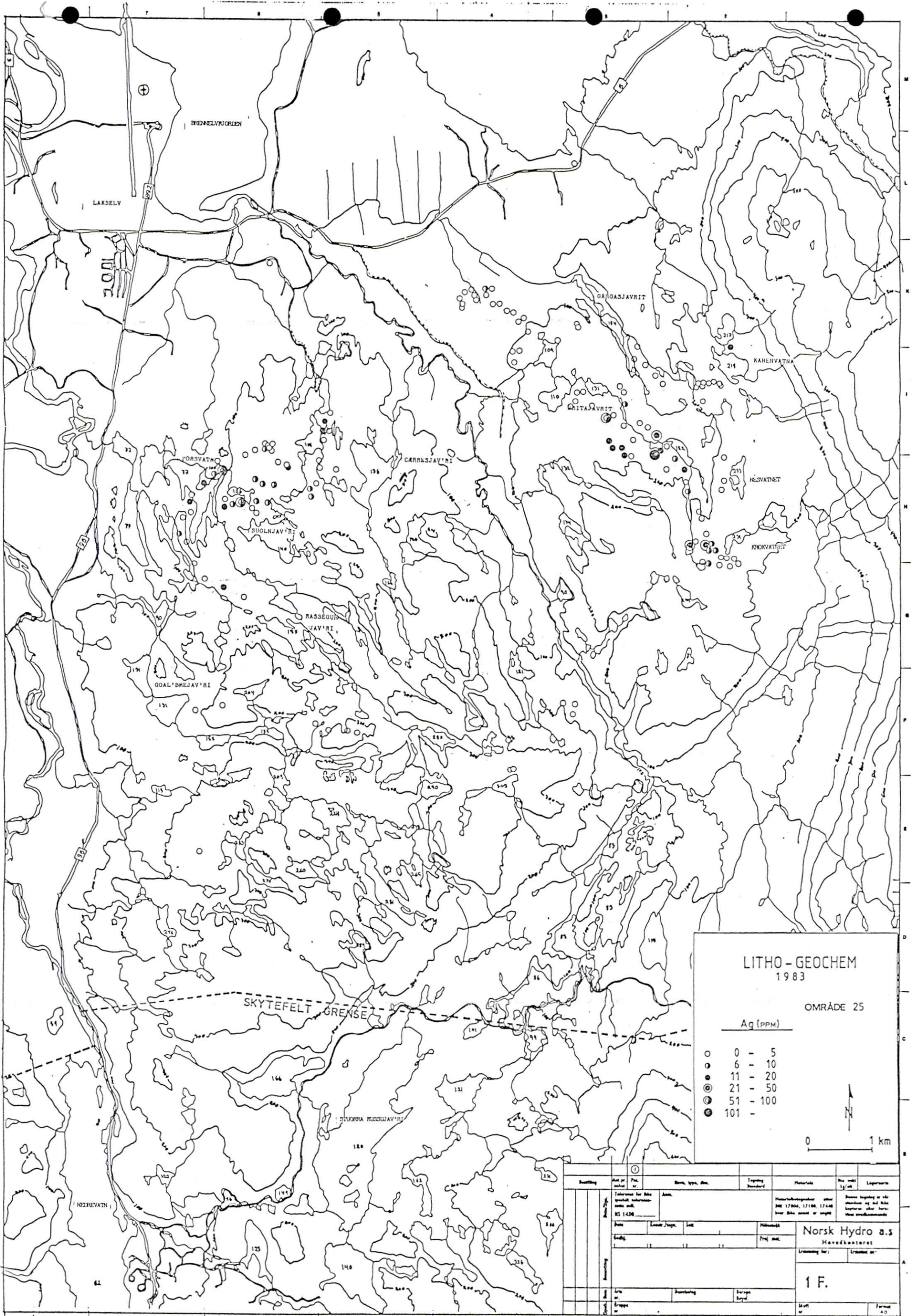
ANTALL PRØVER : 100

BEKKESECIHENTER

	PRØVE	X-KOORD	Y-KOORD	C1 PPM	C3 PPM	P1 PPM	P2 PPM	Z1 PPM	Z2 PPM	N1 PPM	N2 PPM	C2 PPM	C4 PPM
71													
72													
73	250113	0	0	79.0	41.0	15.0	6.0	75.0	48.0	55.0	26.0	23.0	7.0
74	250114	0	0	23.0	18.0	10.0	8.0	67.0	67.0	25.0	12.0	16.0	13.0
75	250116	0	0	16.0	17.0	12.0	4.0	8.0	9.0	23.0	10.0	5.0	12.0
76	250117	0	0	19.0	16.0	6.0	8.0	13.0	4.0	24.0	15.0	7.0	9.0
77	250118	0	0	29.0	31.0	11.0	8.0	24.0	27.0	67.0	57.0	10.0	17.0
78	250119	0	0	165.0	211.0	10.0	10.0	44.0	51.0	44.0	36.0	13.0	16.0
79	250121	0	0	63.0	33.0	7.0	7.0	40.0	32.0	106.0	63.0	10.0	15.0
80	250122	0	0	136.0	72.0	10.0	6.0	46.0	53.0	95.0	69.0	20.0	9.0
81	250128	0	0	57.0	29.0	10.0	12.0	35.0	25.0	35.0	22.0	15.0	18.0
82	250129	0	0	43.0	21.0	10.0	9.0	32.0	29.0	42.0	19.0	17.0	15.0
83	250131	0	0	86.0	110.0	7.0	17.0	48.0	94.0	22.0	22.0	9.0	25.0
84	250132	0	0	20.0	22.0	10.0	8.0	15.0	18.0	24.0	20.0	6.0	17.0
85	250133	0	0	36.0	22.0	8.0	9.0	32.0	14.0	25.0	19.0	6.0	18.0
86	250136	0	0	34.0	39.0	10.0	16.0	42.0	31.0	31.0	20.0	10.0	13.0
87	250139	0	0	35.0	46.0	7.0	8.0	12.0	20.0	24.0	17.0	6.0	10.0
88	250140	0	0	195.0	195.0	7.0	6.0	16.0	17.0	27.0	15.0	23.0	10.0
89	250141	0	0	23.0	15.0	17.0	9.0	49.0	37.0	47.0	23.0	17.0	16.0
90	250142	0	0	42.0	21.0	9.0	10.0	26.0	26.0	29.0	14.0	14.0	11.0
91	250144	0	0	34.0	26.0	9.0	9.0	53.0	52.0	54.0	49.0	16.0	14.0
92	250145	0	0	37.0	15.0	11.0	6.0	26.0	19.0	23.0	10.0	23.0	6.0
93	250148	0	0	15.0	24.0	7.0	5.0	21.0	26.0	21.0	18.0	20.0	10.0
94	250151	0	0	103.0	60.0	12.0	14.0	116.0	54.0	175.0	62.0	31.0	14.0
95	250154	0	0	16.0	18.0	6.0	16.0	25.0	34.0	30.0	18.0	15.0	14.0
96	250157	0	0	81.0	53.0	9.0	11.0	126.0	64.0	47.0	30.0	17.0	12.0
97	250159	0	0	109.0	88.0	8.0	11.0	150.0	84.0	74.0	48.0	39.0	12.0
98	250160	0	0	53.0	114.0	8.0	12.0	59.0	110.0	48.0	79.0	22.0	22.0
99	250162	0	0	56.0	83.0	7.0	15.0	32.0	49.0	39.0	41.0	27.0	24.0
100	250163	0	0	116.0	103.0	15.0	14.0	63.0	64.0	31.0	31.0	29.0	20.0
101	250167	0	0	392.0	215.0	22.0	12.0	385.0	227.0	129.0	93.0	89.0	40.0
102	250169	0	0	95.0	108.0	7.0	10.0	52.0	92.0	50.0	73.0	34.0	21.0
103	250170	0	0	301.0	179.0	.0	6.0	54.0	40.0	71.0	34.0	57.0	22.0
104	250171	0	0	118.0	19.0	5.0	4.0	103.0	19.0	70.0	16.0	43.0	7.0
105	250176	0	0	65.0	66.0	2.0	16.0	62.0	74.0	69.0	49.0	22.0	14.0
106	250179	0	0	23.0	10.0	.0	9.0	18.0	11.0	37.0	14.0	18.0	5.0
107	250182	0	0	28.0	56.0	.0	18.0	36.0	72.0	137.0	247.0	23.0	30.0
108	250184	0	0	173.0	204.0	6.0	18.0	97.0	98.0	125.0	57.0	53.0	16.0
109	250186	0	0	35.0	47.0	3.0	18.0	63.0	93.0	50.0	43.0	19.0	10.0
110	250189	0	0	60.0	49.0	.0	13.0	60.0	61.0	62.0	35.0	29.0	9.0
111	250191	0	0	75.0	39.0	1.0	9.0	122.0	75.0	97.0	34.0	34.0	10.0
112	250193	0	0	27.0	72.0	.0	5.0	25.0	130.0	39.0	66.0	18.0	15.0
113	250194	0	0	69.0	44.0	3.0	12.0	130.0	102.0	67.0	39.0	23.0	12.0
114	250195	0	0	115.0	103.0	9.0	7.0	245.0	233.0	69.0	62.0	33.0	22.0
115	250197	0	0	34.0	52.0	.0	11.0	38.0	46.0	66.0	60.0	22.0	10.0
116	250198	0	0	52.0	72.0	.0	10.0	58.0	31.0	30.0	17.0	49.0	19.0
117	250201	0	0	103.0	19.0	6.0	12.0	37.0	21.0	28.0	9.0	45.0	5.0
118	250204	0	0	48.0	79.0	.0	6.0	8.0	14.0	60.0	81.0	24.0	10.0
119	250205	0	0	21.0	30.0	.0	14.0	27.0	46.0	32.0	26.0	20.0	10.0
120	250208	0	0	63.0	22.0	4.0	12.0	40.0	33.0	45.0	19.0	28.0	6.0
121	250209	0	0	25.0	14.0	.0	7.0	35.0	26.0	42.0	16.0	23.0	7.0







LITHO - GEOCHEM
1983

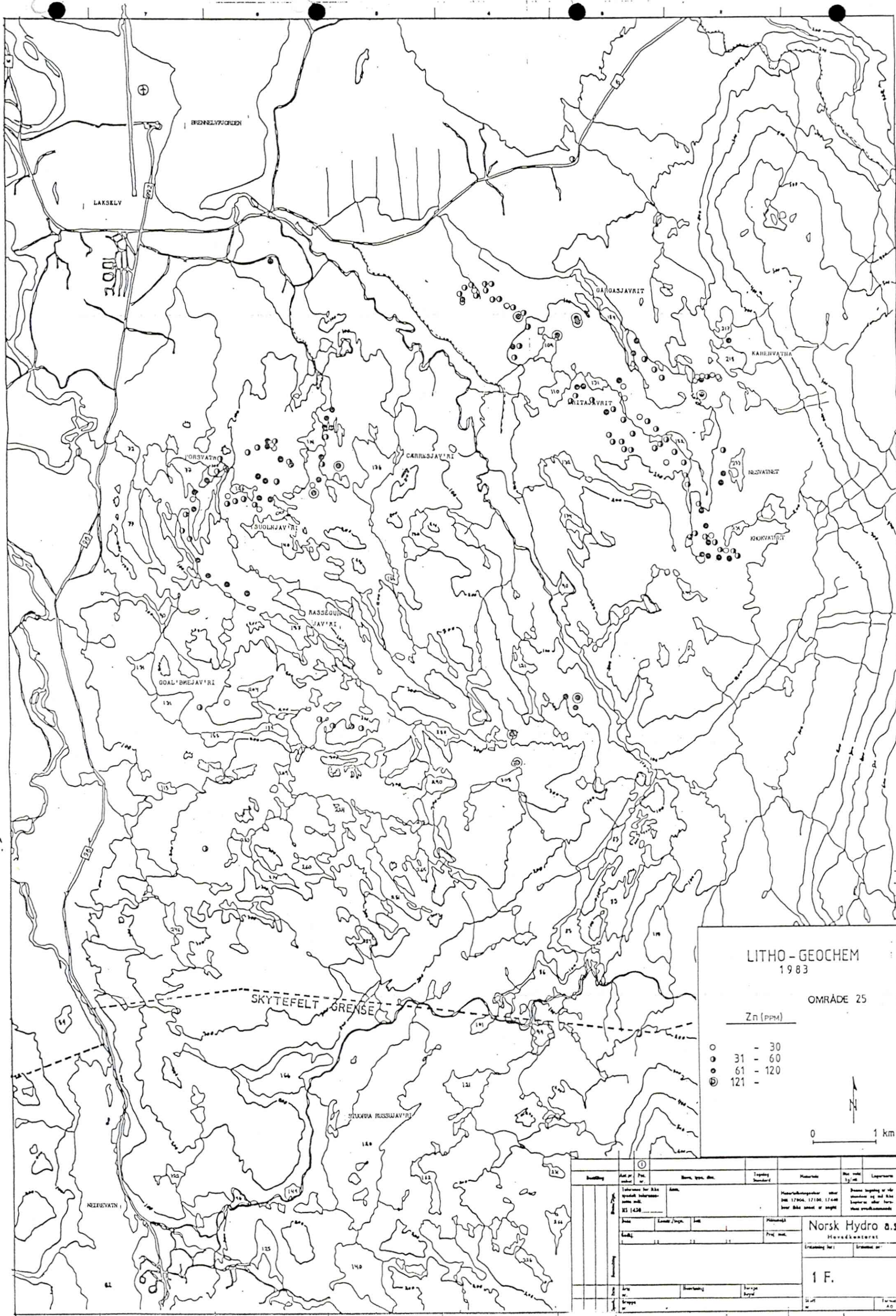
OMRÅDE 25

Ag (PPM)

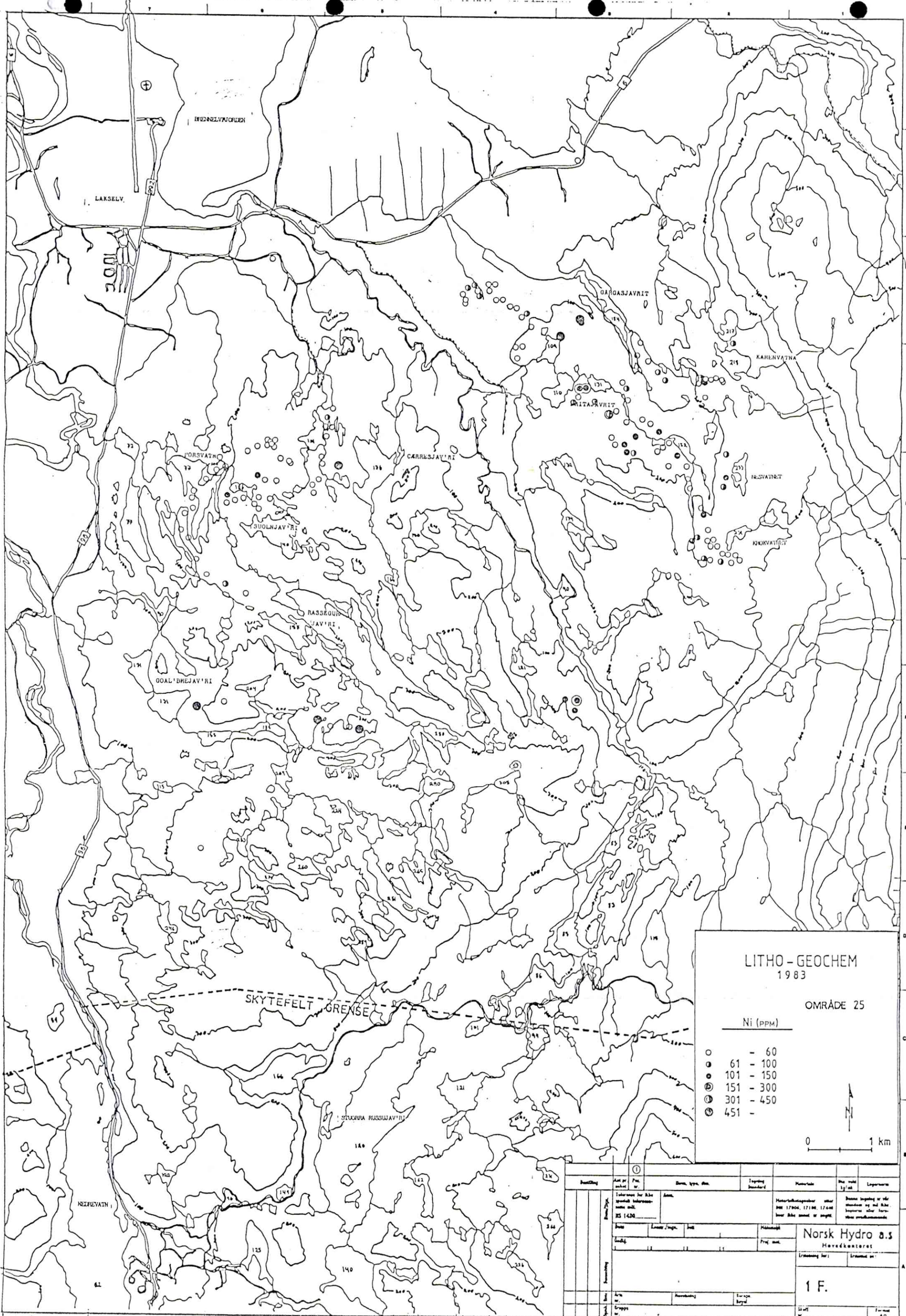
○	0 - 5
●	6 - 10
⊙	11 - 20
⊗	21 - 50
⊕	51 - 100
⊗	101 -

0 1 km

Building	Alt. pr. m. 100	Per. nr.	Stør. type, etc.	Tegning	Materialer	Stør. vekt 10/100	Lagerstatus
Informasjon for data spesialt utarbeidet 15.12.88			Ansvarlig 17.12.88, 17.12.88, 17.12.88 15.12.88		Dokumentasjon av alle lagrings og uttak etter data innsett og utsett		
Dato 15.12.88		Løst dato 15.12.88		Målestokk 1:1000		Norsk Hydro a.s. Hovedkontor	
15.12.88		15.12.88		15.12.88		1 F.	
15.12.88		15.12.88		15.12.88		15.12.88	



Building	Alt. per meter	Proj. nr.	Stav. type, dist.	Topog. Standard	Material	Max. mkt. 1/2 m	Exposure
Information for data specific information see 17/04, 17/06, 17/08 KI 1438			Material/Information Date 17/04, 17/06, 17/08 See 1438		Please specify if the substance is not the substance or the substance		
Date	Location/Type	Alt.	Material		Norsk Hydro a.s. Hovedkontor (Innledning for)		
Leaflet	Proj. nr.		Proj. nr.		1 F. (Innledning for)		
Leaflet	Location/Type	Alt.	Material	Proj. nr.	1 F. (Innledning for)		



LITHO - GEOCHEM
1983

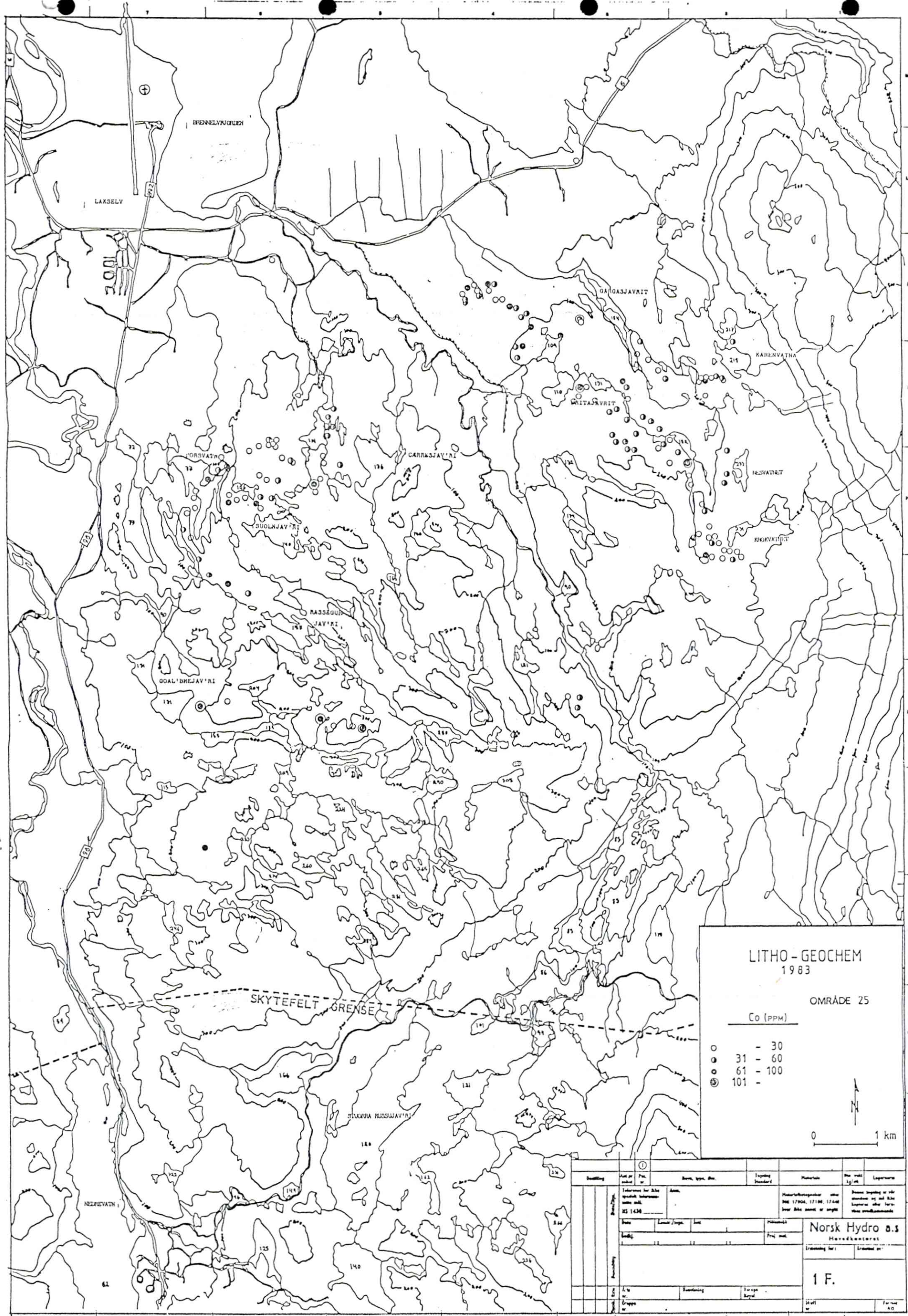
OMRÅDE 25

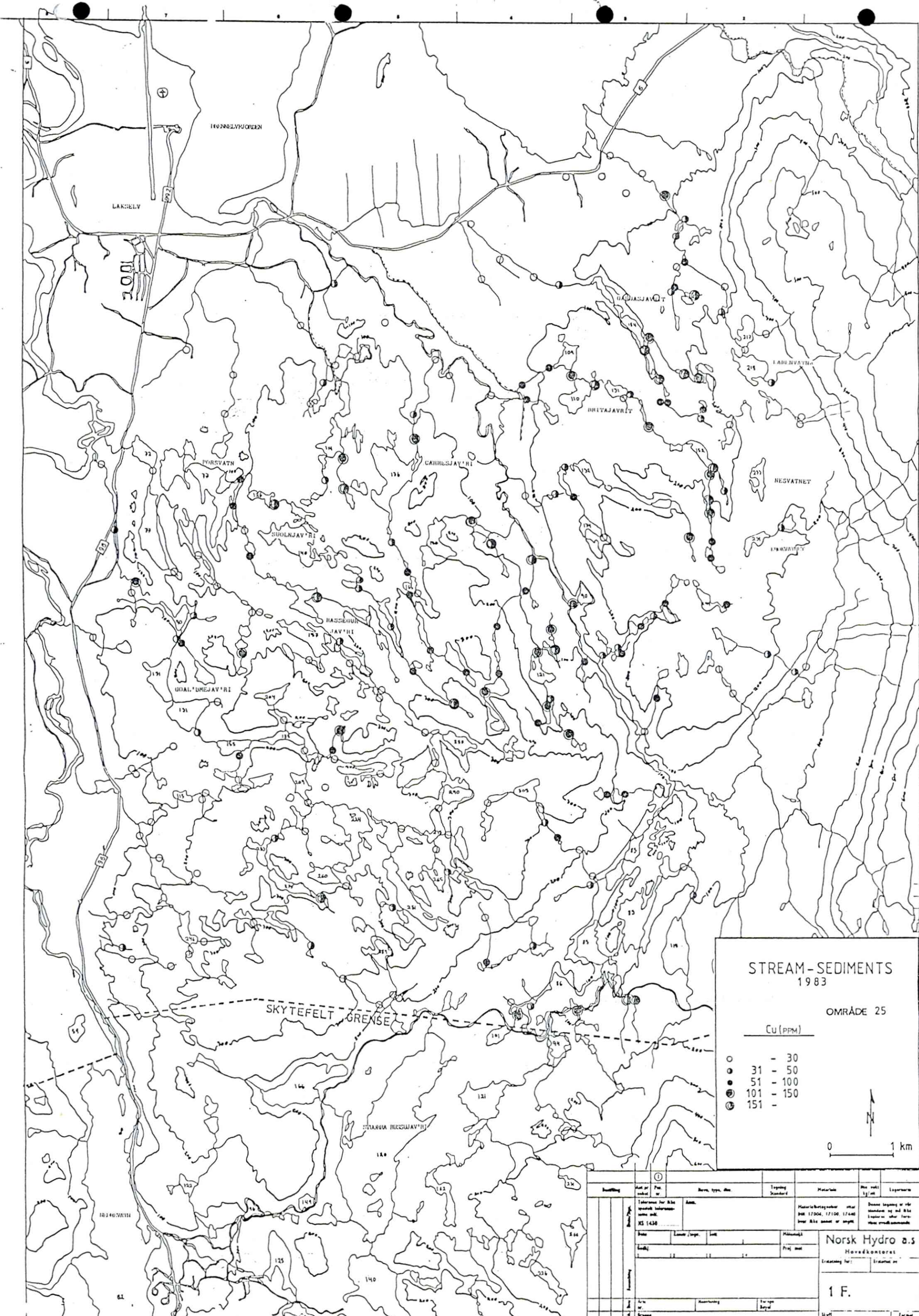
Ni (PPM)

- - 60
- - 61 - 100
- ⊙ - 101 - 150
- ⊕ - 151 - 300
- ⊗ - 301 - 450
- ⊛ - 451 -

0 1 km

Bestilling	Ant pr mønst	Pro nr	Skala, type, etc.	Tegning nummer	Plottetale	Plott 1/100	Laborant
Tilstand for Rike spesialt laborant nr 1420			Ant.	Materiell: 17004, 17100, 17400 bort Rike: 17004, 17100, 17400		Dokumentering av alle undersøkelser og alle Rike bort Rike: 17004, 17100, 17400	
Dato		Levetid / mgn.	Ant.	Målestørrelse		Norsk Hydro a.s. Hovedkontoret	
Løst		1 1 1		Prof. ant.		Utskriftstørrelse	
Ant. pr. mønst		Ant.		Europe Bord		1 F.	
Løst		Løst		Løst		Løst	





STREAM-SEDIMENTS 1983

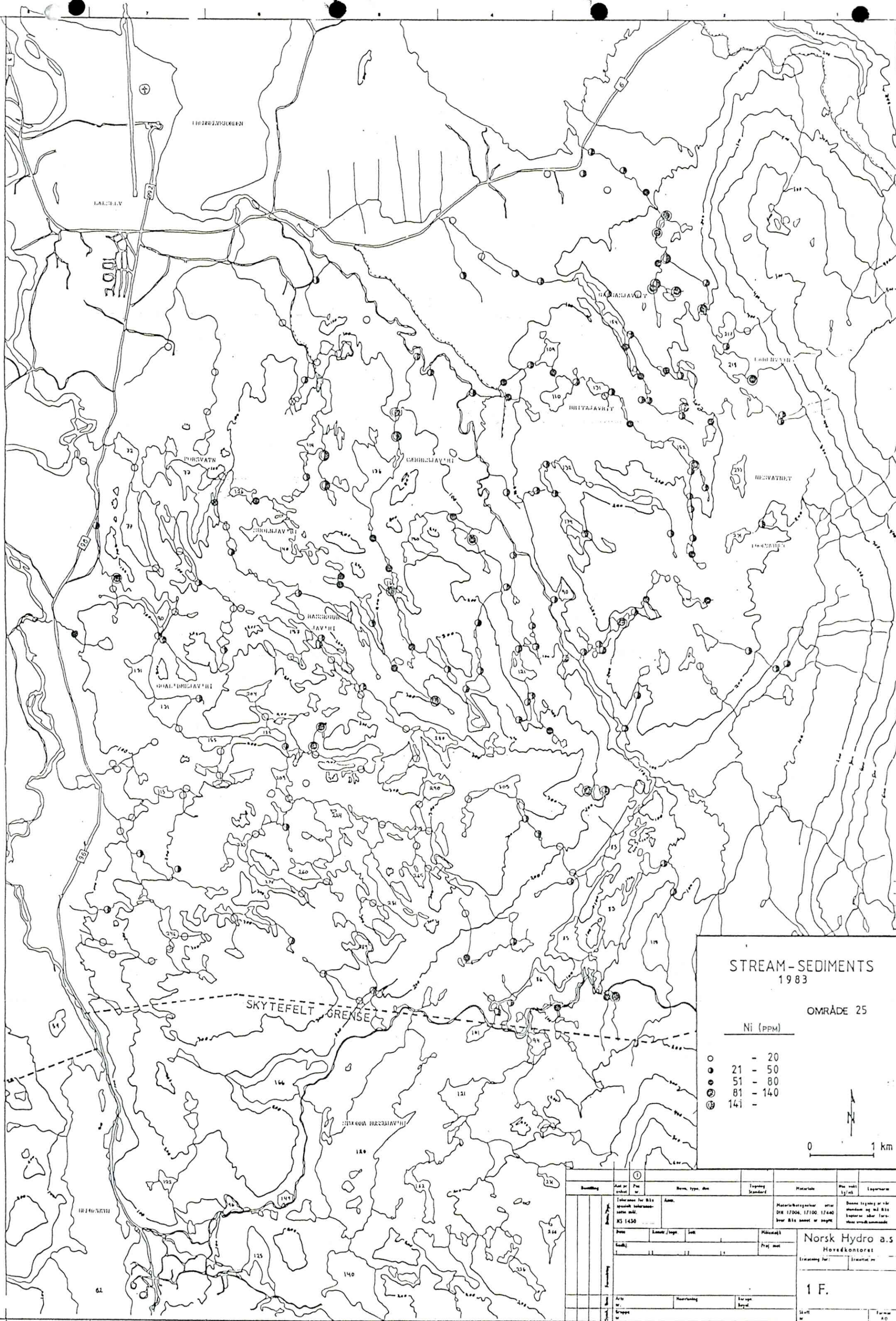
OMRÅDE 25

Cu (PPM)

- - 30
- - 31 - 50
- - 51 - 100
- ⊗ - 101 - 150
- ⊙ - 151 -



①		Bore, type, etc.		Tegning		Material		Pro. met.		Laboratory	
Sampling		Date		Scale		Material		Pro. met.		Laboratory	
Date		Scale		Material		Pro. met.		Laboratory		Norsk Hydro a.s.	
Date		Scale		Material		Pro. met.		Laboratory		Hovedkontoret	
Date		Scale		Material		Pro. met.		Laboratory		1 F.	
Date		Scale		Material		Pro. met.		Laboratory		1 F.	



PORSANGER, O.nr. 20943

KOSTNADSOVERSIKT 1983

. Arbeidsytelser eget personell	kr. 214.240.-
. Reiser eget personell inkl. leiebiler	" 107.991.43
. Feltassistenter, lønn, reiser, diett	" 104.001.04
. Div. utgifter	" <u>97.866.51</u>

SUM PORSANGER 1983

kr. 524.098.98

FORDELING:

Norsk Hydro a.s 55%
BP Norge A.S Minerals, 45%

kr. 288.254.44
" 235.844.54



Norsk Hydro

Postadr.: Postboks 2594, Solli
Oslo 2 - Norway
Kontoradr.: Lørenfare 3, Økern
Telefon: (02) 15 90 10
Telegram: norskhydro
Telex: 16473 hydro n

Gardh

51

☐ Rapport	☐ Notat	☐ Referat	☐ PM	Polydoc nr. (NR) 760	Arkivnr. (BI) F. E. 20.00
Rapport nr.	Eksempel nr.			Antall sider (BI)	Arkivsted (BI) Lo
Sirkulasjon	Ferdighe			Tittel (TI) Oversikt over geofysikk utført i 1982.	
				Divisjon T & F	
				Avdeling/seksjon Prospektering	Dato (BI) 11.3.83
				Forfattet av (FO) H. Elstad	Ref. HE
				Godkjent av	
				Vedr. ordrenr. (FA)	Sted/land (FA) Oslofeltet
Emneord (EO) Geofysikk				Magnetiske bakkemålinger	
IP - RP måling				VLF - målinger.	
Resymé/konklusjon (RE) Det er lagt vekt på å få frem kostnadene ved at avdelingen utfører denne type undersøkelser i egen regi, for evt. å kunne sammenligne med eksterne tilbud. Likedan vil oversikten gjøre det lettere å planlegge kostnadene ved fremtidige undersøkelser.					
Anbefaling, videre arbeid					

G E O F Y S I K K 1 9 8 2

Avdelingens geofysiske aktivitet i 1982 har vært som flg.

Sted

Metode

RAMNES.....IP - RP Gradient, Dipol-dipol
Magnetometri

ØDEMARK - NORDLI.....IP - RP Gradient, Dipol-dipol
Magnetometri

SILVIFUTURUM.....IP - RP Gradient, Dipol-dipol

GLITREVANN-området.....Magnetometri

SKYTTMYR-BØYLESTAD.....VLF

Alle måleoppdrag er utført av NH-personell, eller innleide mannskaper.

Utstyr

IP - RP målingene er utført med flg. utstyr leid fra A/S SULFIDMALM
til en pris av Kr. 1.000,- pr. uke.:

Sender:.....McPhar HPIPT_x

Mottager:.....McPhar P 660

Strømforsyning:.....JLO totaktsgenerator spesialutrustet av
McPhar med automatisk frekvensregulator.
Effekt: 3,5 kVA
Utgangsfrekvens: 500 Hz.
Målefrekvenser benyttet: 0.3125 og 5.0 Hz.

De magnetiske målingene er utført med 2 stk. SCINTREX MP 2, og 1 stk.
GEOMETRIX 816, som er avdelingens egne instrumenter.

OVERSIKT OVER DE ENKELTE PROSJEKTERRAMNESIP-RP målinger

Målte profilkilometer: Gradient: 10,4 Dipol-dipol: 1,5

Antall målepunkter: Gradient: 420 Dipol-dipol: 320

Antall kabelutlegg Gradient: 3

Antall medgåtte dagsverk: 45

Kostnader:

Leie av utstyr.....kr. 4000

H. Elstad, 3 uker à kr. 4000.....kr.12000

Hjelpemannskap: 3x2 uker à kr. 1600.....kr. 9600

Forbruksartikler.....kr. 500

Sum kr.26100Kostnad pr. profilkm. komb. gradient - dipol-dipol kr. 2150,-Magnetiske målinger

Målte profilkilometer: 82

Antall målepunkter: 3300

Antall medgåtte dagsverk: 30

Kostnader:

Avskrivning av instrumenter.....kr. 4800

P. Abildgaard og L. Kiergaard 2x3 uker à kr 3600 kr.21600

Transport.....kr. 4500

Forbruksartikler.....kr. 500

Sum kr.31400Kostnad pr. profilkilometer.....kr. 383.-

ØDEMARK - NORDLI

IP - RP målinger

Målte profilkilometer: Gradient: 38 Dipol-dipol: 2,0

Antall målepunkter: Gradient: 1700 Dipol-dipol: 400

Antall kabelutlegg gradient: 11

Antall medgatte dagsverk: 124

Kostnader:

Leie av utstyr.....kr. 11000

P. Abildgaard 4 uker à kr. 3600.....kr. 14400

H. Elstad 4,5 uker à kr. 4000.....kr. 18000

J. B. Jakobsen 2,5 uker à kr. 4000.....kr. 10000

Hjelpemannskaper 2x8,5 uker à kr. 1600.....kr. 27200

Forbruksartikler.....kr. 1500

Sum kr. 82100

Kostnad pr. profilkm. komb. gradient - dipol-dipol kr. 2050.-

Magnetiske målinger

Målte profilkilometer: 72,2

Antall målepunkter: 3500

Antall medgatte dagsverk: 20

Kostnader:

Avskrivning av instrumeneter.....kr. 4000

H. Elstad 5 uker à kr. 4000.....kr. 20000

Forbruksartikler.....kr. 200

Sum kr. 24200

Kostnad pr. profilkm.....kr. 335

SILVIFUTURUMIP - RP måling

Målte profilkilometer: Gradient: 7,6 Dipol-dipol: 1,5

Antall målepunkter: Gradient: 304 Dipol-dipol: 300

Antall kabelutlegg gradient: 2

Antall medgatte dagsverk: 45

Kostnader:

Leie av utstyr.....kr. 4000

H. Elstad 3 uker à kr. 4000.....kr. 12000

Hjelpemannskaper 2x3 uker à kr. 1600.....kr. 9600

Forbruksartikler.....kr. 600

Sum kr. 26200Kostnad pr. profilkm. komb. gradient - dipol-dipol kr. 2879.-GLITREVANN - OMRÅDETMagnetiske målinger

Målte profilkilometer: 88

Antall målepunkter: 3500

Antall medgatte dagsverk: 50

Kostnader:

Avskrivning av instrumenter.....kr. 5000

Transport.....kr. 4500

P. Abildgaard og L. Kiergaard 5 uker à kr. 3600..kr. 18000

Hjelpere.....5 uker à kr. 2600.....kr. 13000

Forbruksartikler.....kr. 200

Sum kr. 40700Kostnad pr. profilkm.....kr. 462,50

Oversikt for hele sesongen under ett

IP - RP målingene

Totalt antall målte profilkilometer: 61,2

Total kostnad:kr. 134.400,-

Gjennomsnittskostnad pr. profilkilometer komb. måling: kr. 2.203,-

Magnetiske målinger

Totalt antall målte profilkilometer: 242,-

Total kostnad: 496.300,-

Gjennomsnittskostnad pr. profilkilometer.....kr. 397,-

VLF-målingene utført ved Skyttmyr-Bøylestad er ikke tatt med, da disse ikke er representative for hva en slik unders. koster. I de nevnte kostnader er ikke medregnet timeavregningspriser for NH-personell. Heller ikke er kostnader til rapportering tatt med.

Meningen med denne oversikt er å gjøre det lettere å bedømme hva en påtenkt undersøkelse vil medføre av utgifter når vi utfører den i egen regi.

Grunnen til at IP-RP målingen i Silvifuturum er blitt vesentlig dyrere enn de andre er den større andel av Dipol-dipol målinger som der ble utført.

Kjørholt, den 11. mars 1983


Harald Elstad