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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 socalled "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-serpentinite 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

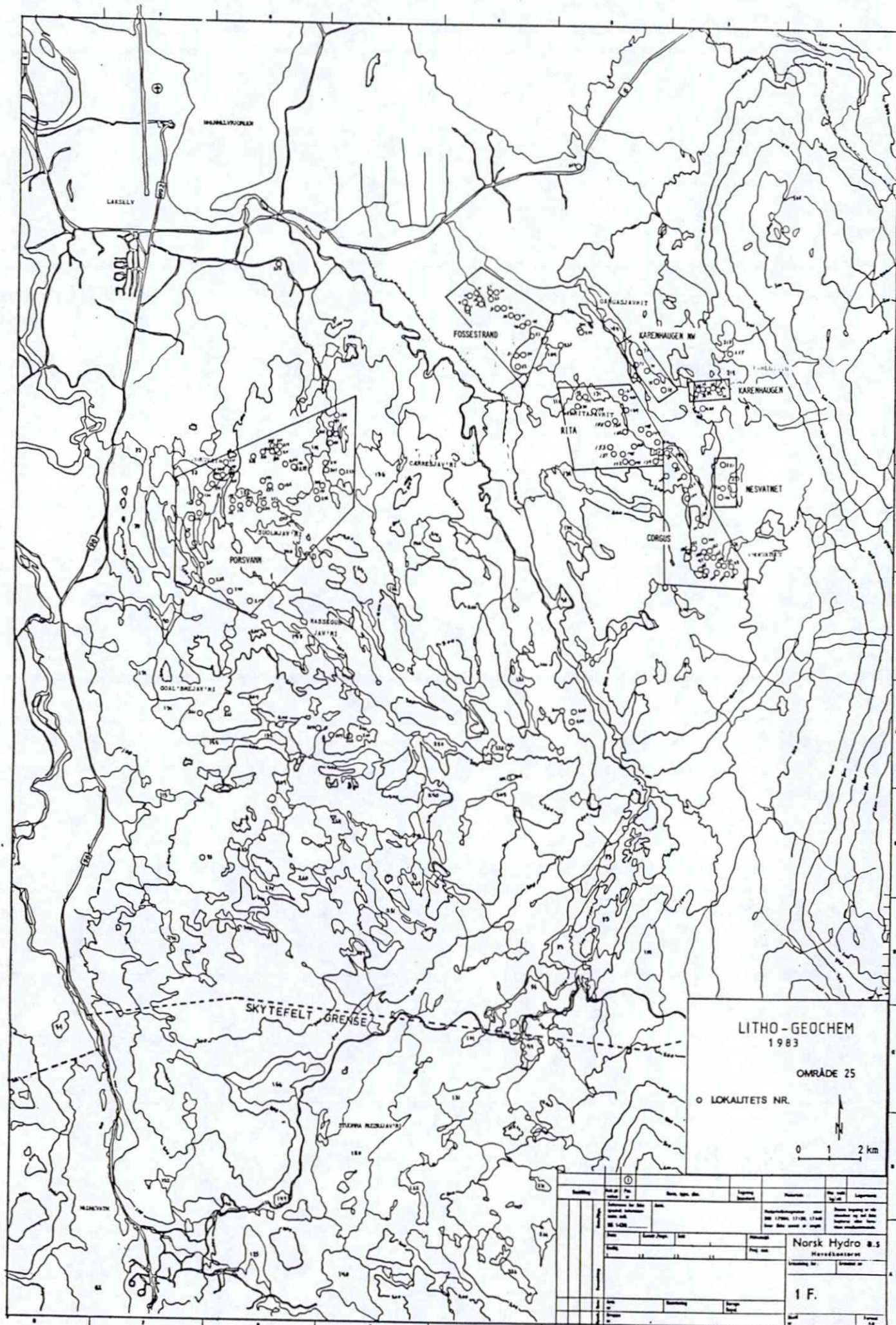
16

48

MILITARY TRAINING GROUND

98

Fig. 1



COPPER AND IRON SULPHIDE DEPOSITS OF PORSANGER

GEOLOGICAL MAP (SIMPLIFIED), NORTHERN PART OF LAKSELV VALLEY

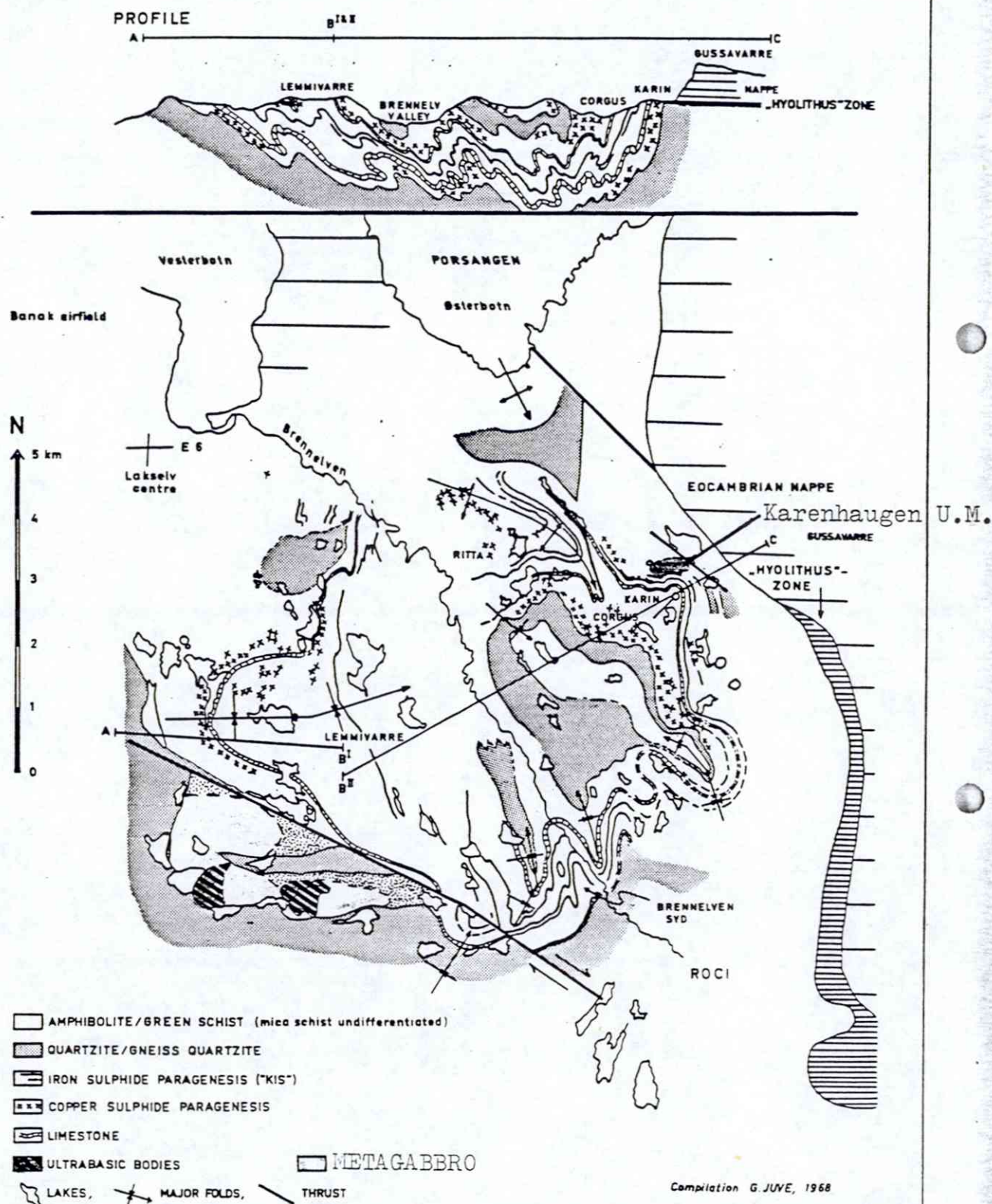
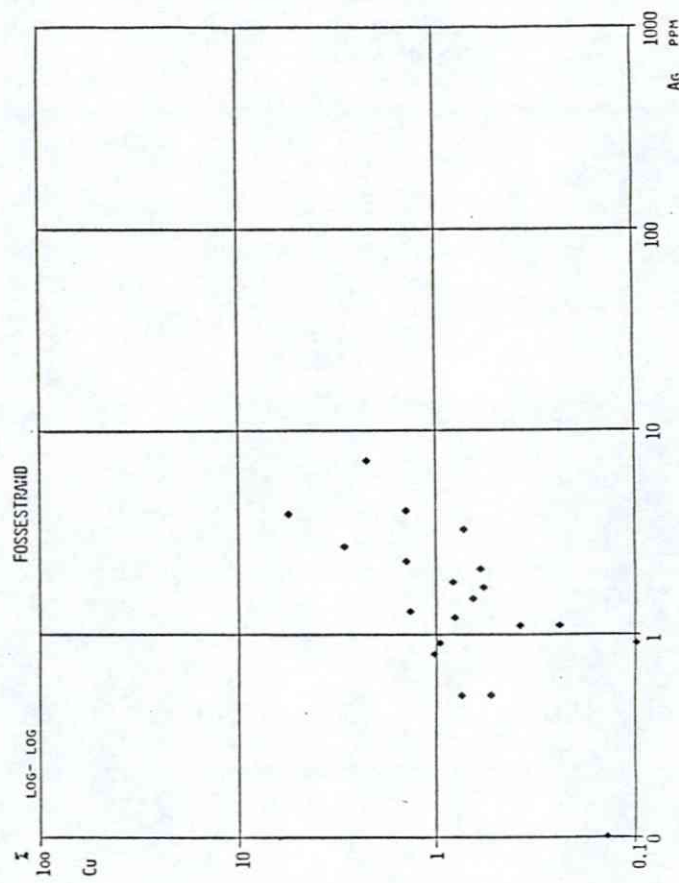
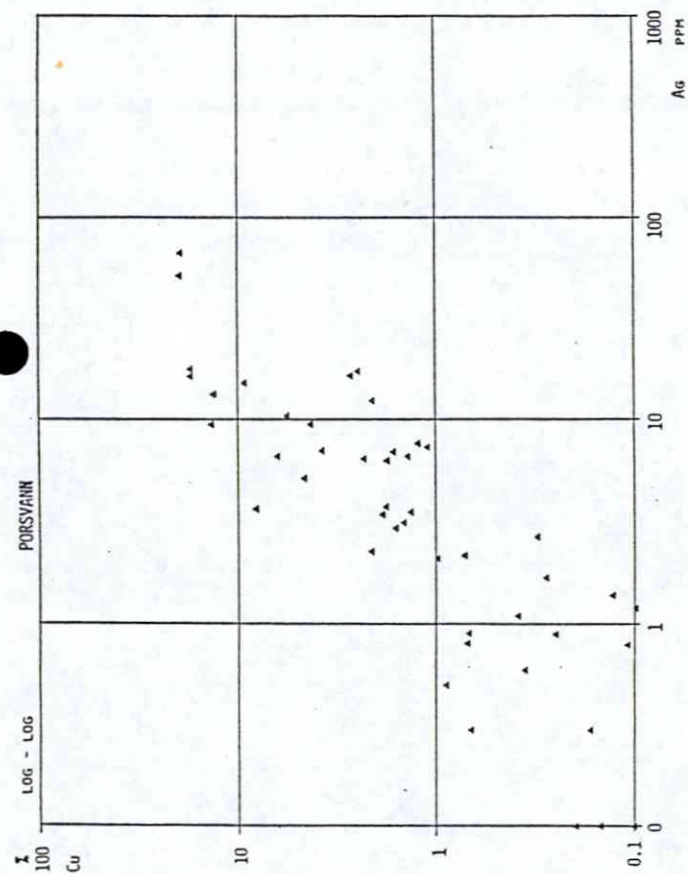
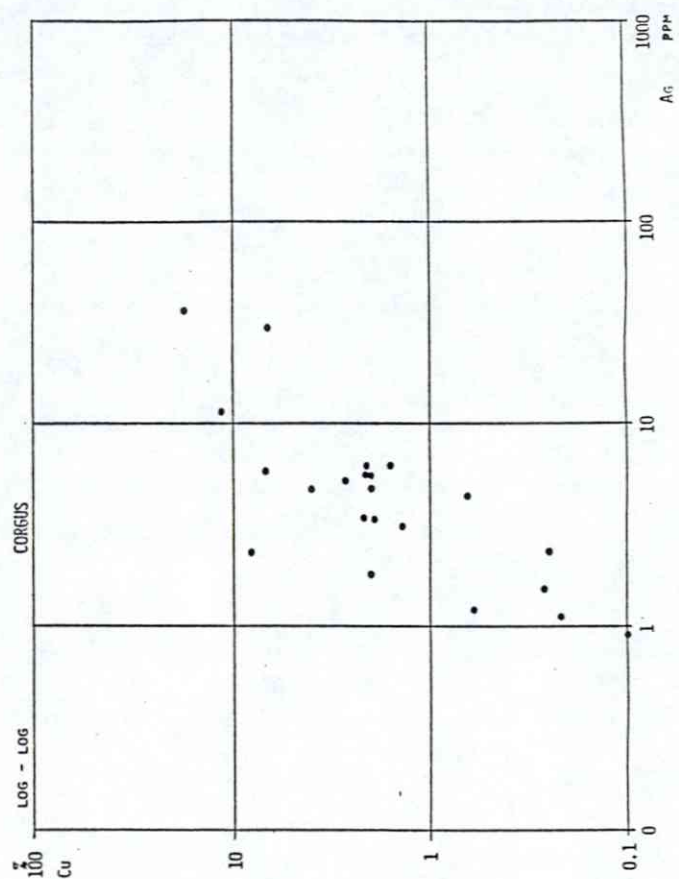
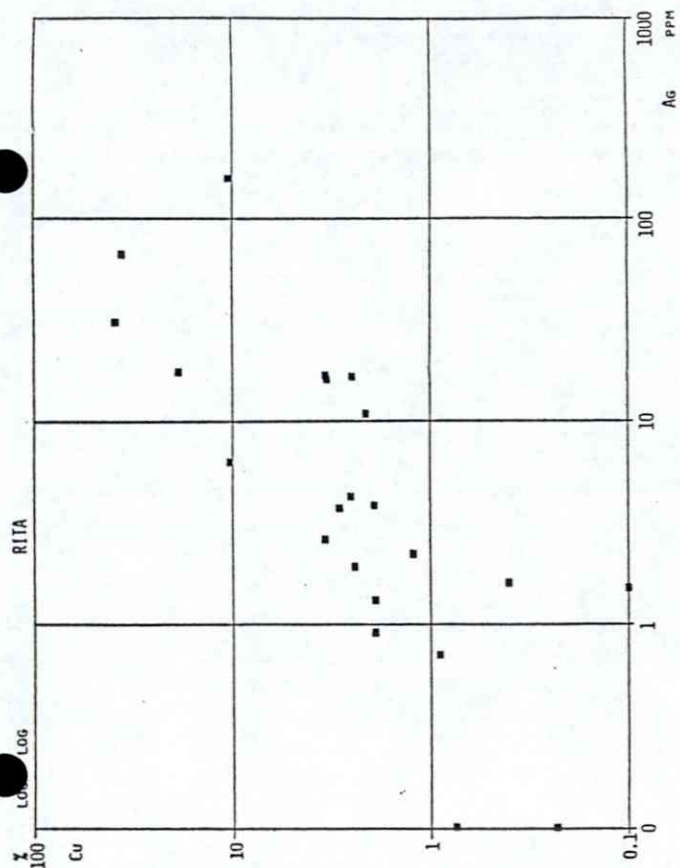
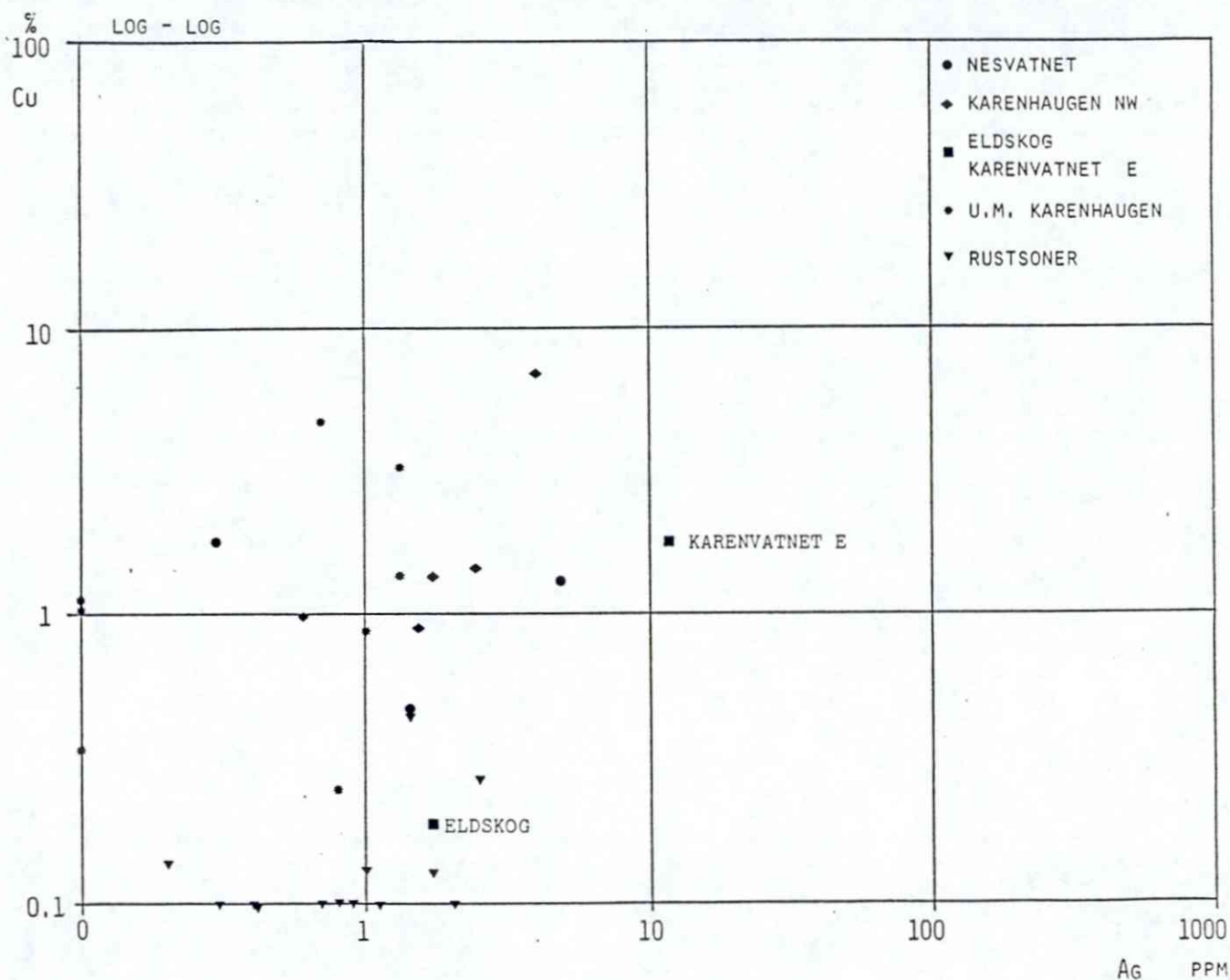


Fig.3 Simplified geological map based on Juve(1968) with additional data on copper sulphide showings and U.M.- metagabbro bodies from the 1983 JV project.



Scatterdiagram for lithosamples from 4 subareas Log Ag- Log Cu



Scatterdiagram for lithosamples Log Ag - Log Cu

Metadoleritesamples

Fig.6A- Correlationcoefficient for

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GEOKEMISK

OPR DE: PORSANGER
BAS: UTM

ANTAL OBSERVATIONER : 120

KORRELATIONSMATIS

	CU	PR	ZH	NI	CO	AG	U	AU	AS	BI
CU	1.000	-.013	-.085	.285	.042	.581	-.173	.176	-.077	-.039
PR	-.013	1.000	.137	-.036	-.026	.037	-.043	-.036	-.010	-.006
ZH	-.085	.137	1.000	.487	.070	-.045	.196	-.118	.589	-.011
NI	.285	-.036	.487	1.000	.194	.150	.099	.106	.585	.032
CO	.042	-.026	.070	.194	1.000	-.013	-.219	-.104	.041	-.022
AG	.581	.037	-.045	.150	-.013	1.000	-.123	.091	-.053	.106
U	-.173	-.043	.196	.099	-.219	-.123	1.000	-.081	.279	-.050
AU	.176	-.036	-.118	.106	-.104	.091	-.081	1.000	-.074	.007
AS	-.077	-.010	.589	.585	.041	-.053	.279	-.074	1.000	-.024
BI	-.039	-.006	-.011	.032	-.022	.106	-.050	.007	-.024	1.000

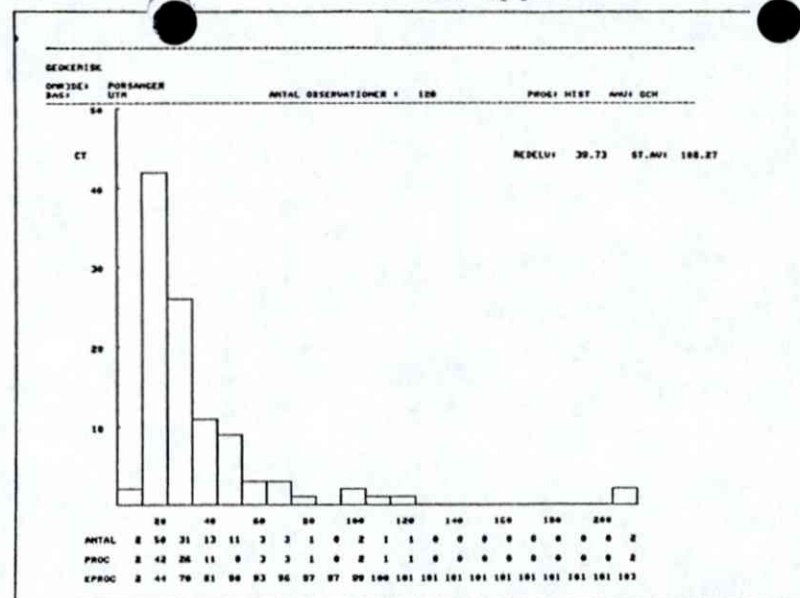
KORRELATIONSMATIS

	CU	PR	ZH	NI	CO	AG	U	AU	AS	BI
N	37800.17	30.73	60.23	59.11	38.66	7.77	.23	10.81	.43	.40
S	64862.49	108.27	44.75	57.98	26.65	17.34	.53	29.92	2.03	3.52
V	1.72	2.72	.74	.98	.69	2.23	2.26	2.77	4.68	8.79
MAX	1188.00	392.00	469.00	219.00	154.90	3.00	290.00	18.00	38.00	
MIN	100.00	9.00	6.00	2.00	3.00	.00	.00	.00	.00	

END OF FILE

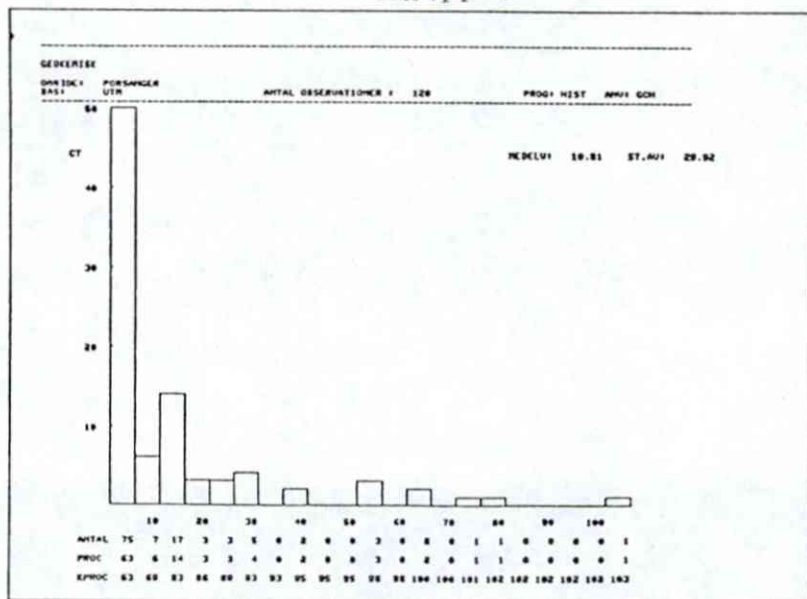
B.

Pb (ppm)



C.

Au (ppb)



D.

Zn (ppm)

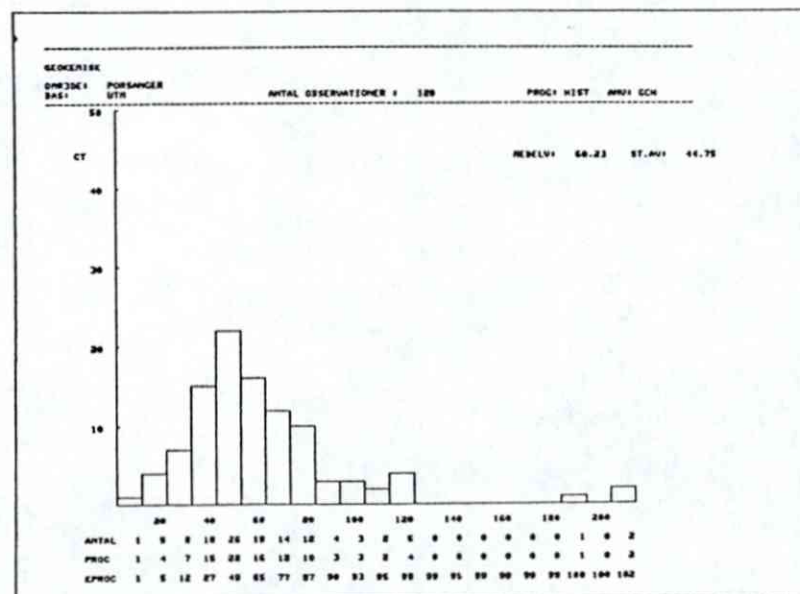
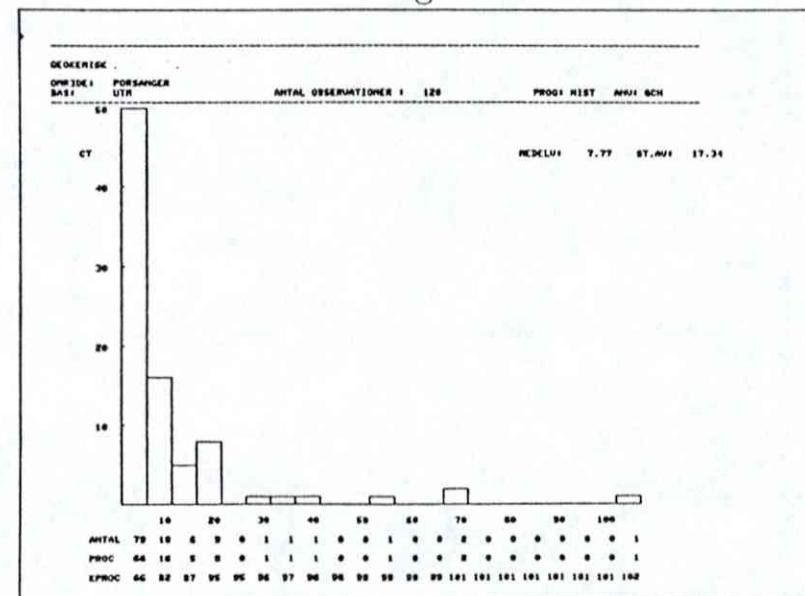
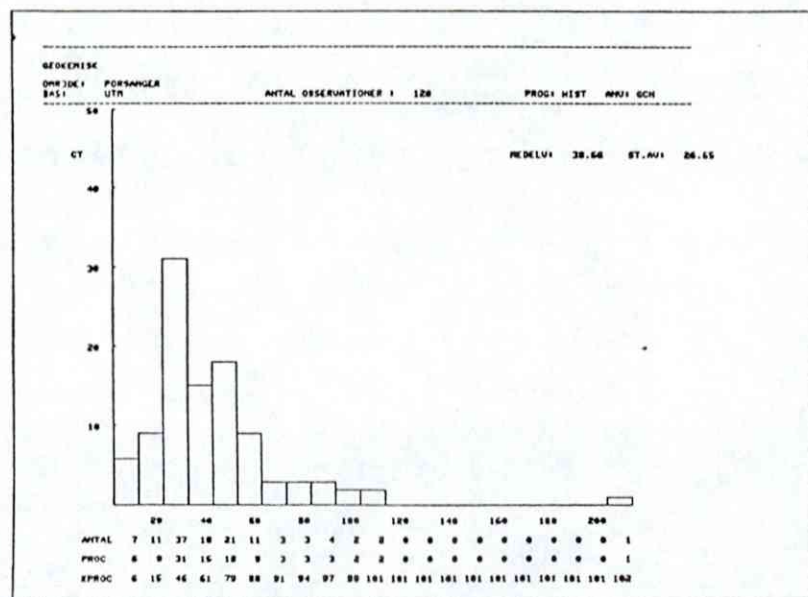
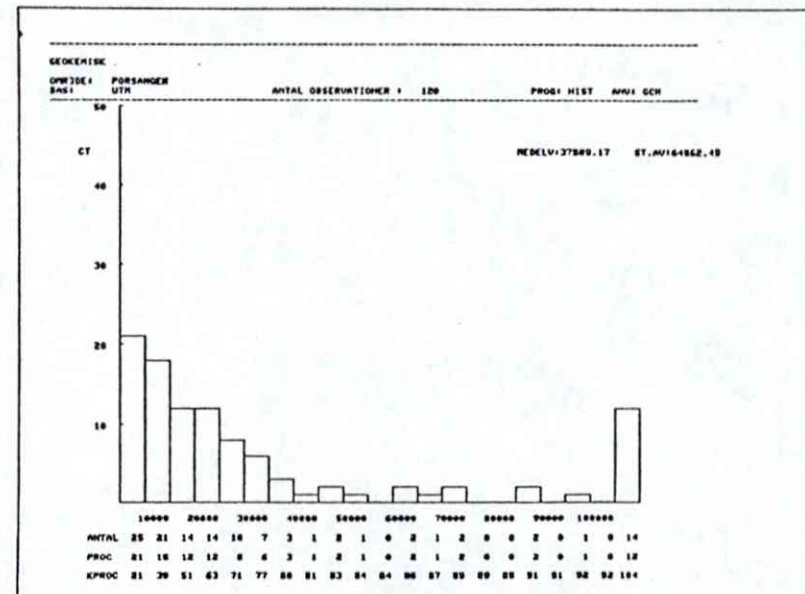
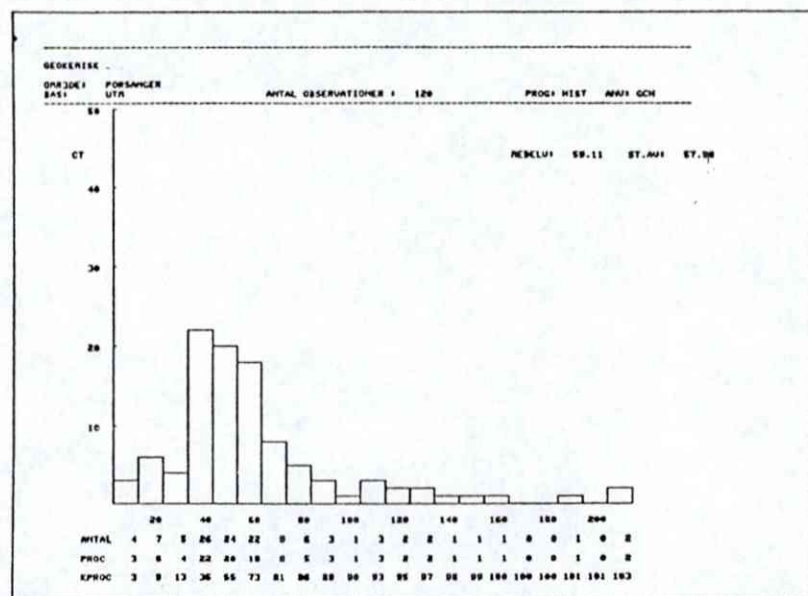


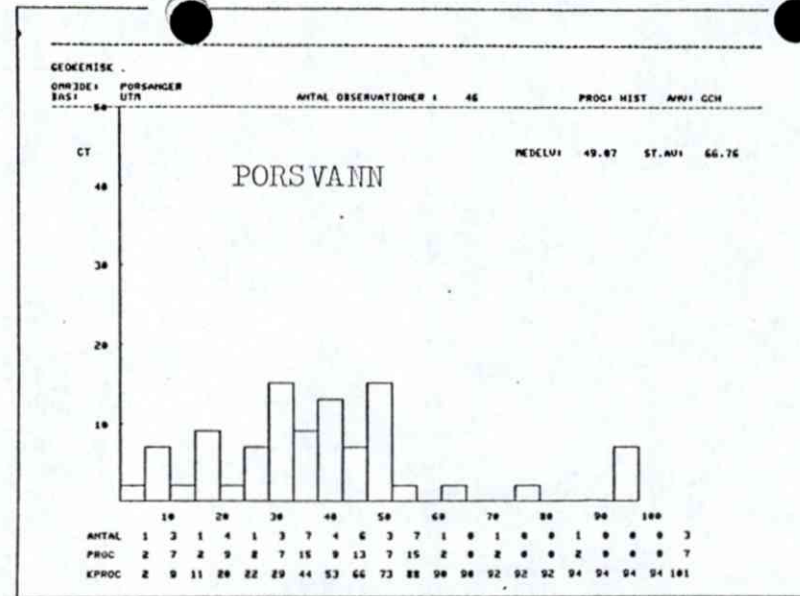
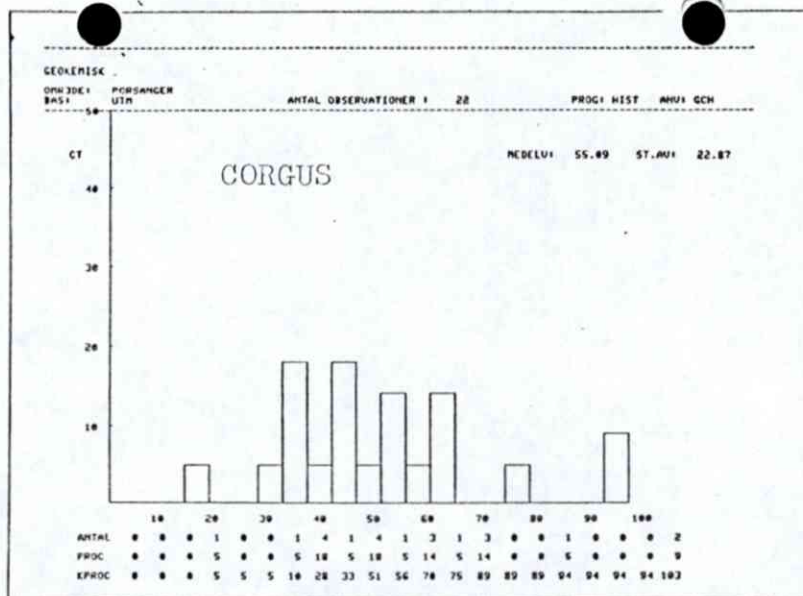
Fig.6B-C-D

Histogram for 120 metadolerite-

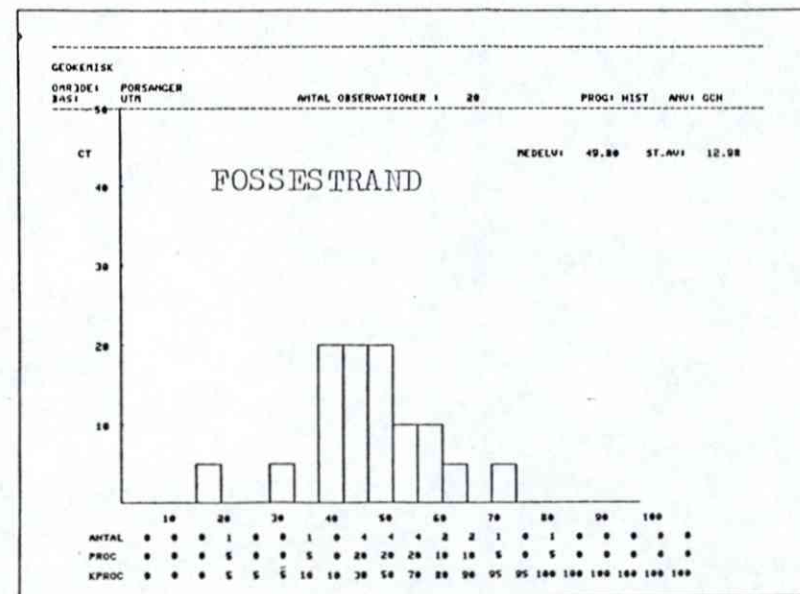
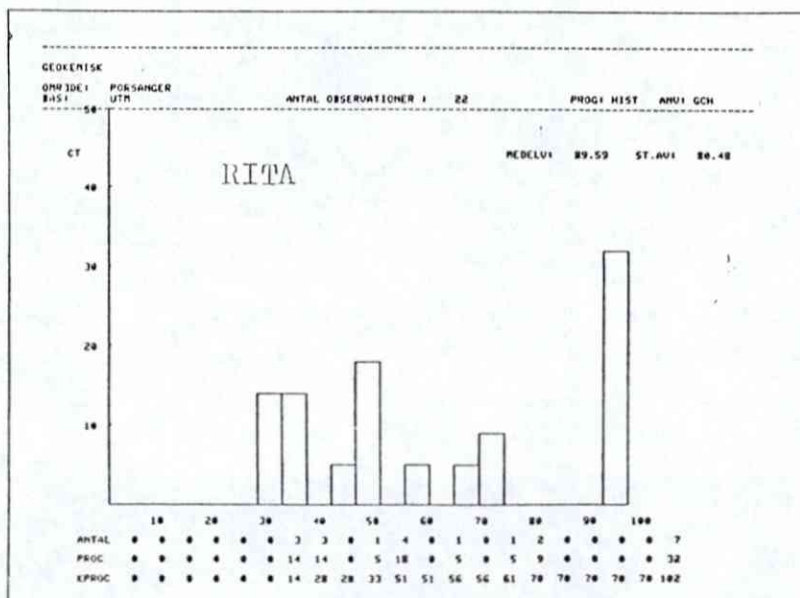
Fig. 7. Histograms for 120 metadioritesamples. Ni, Co, Cu, Ag.



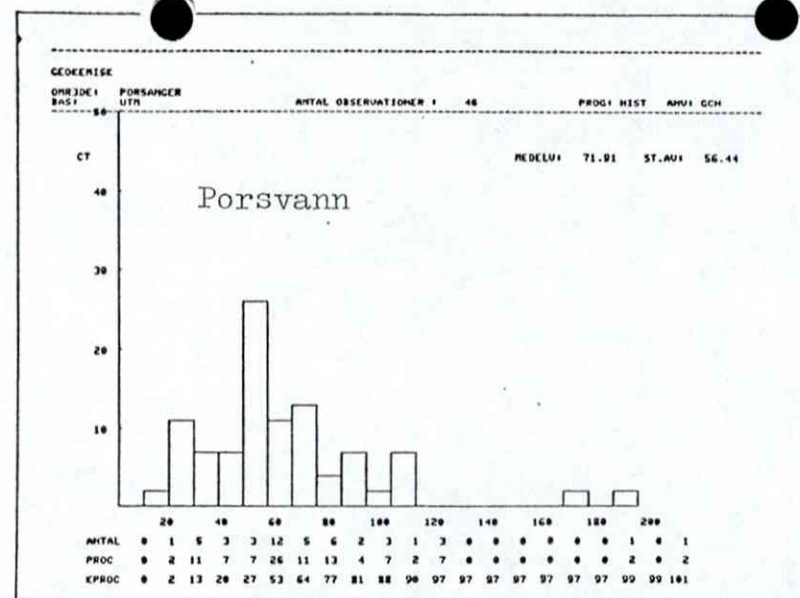
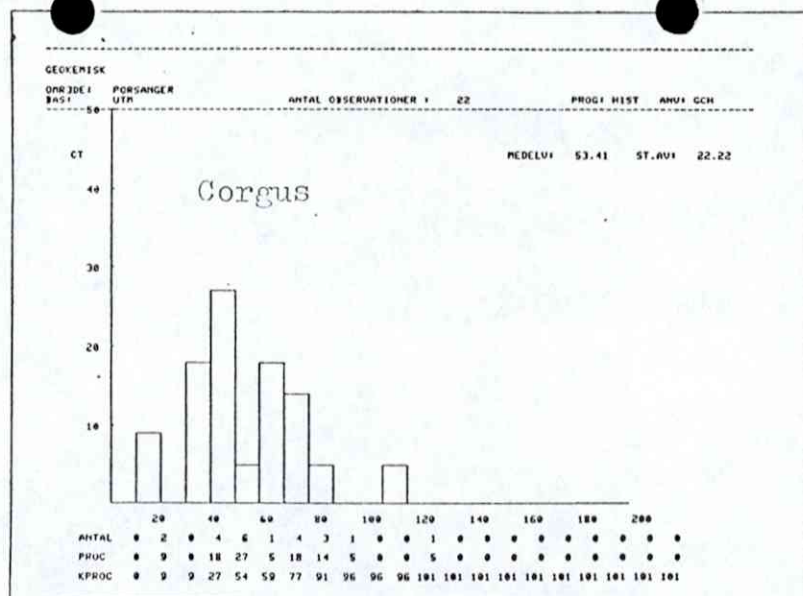
• 02



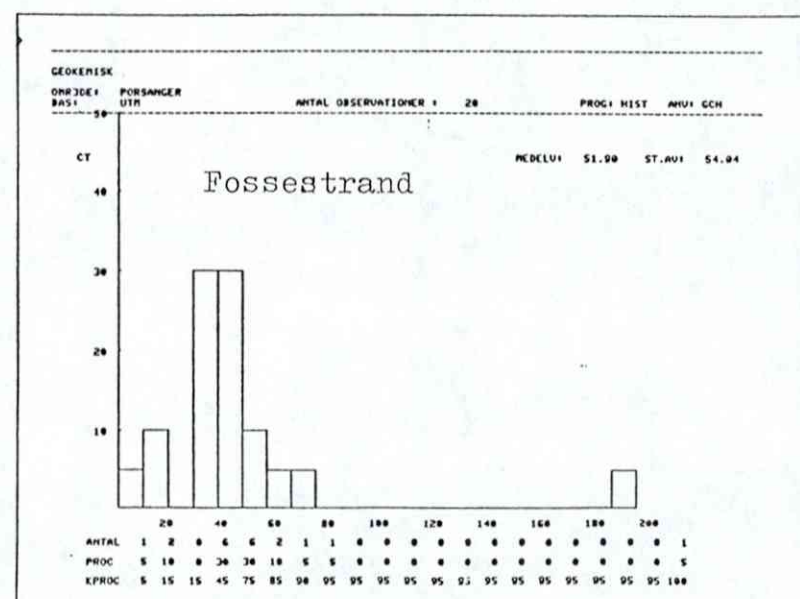
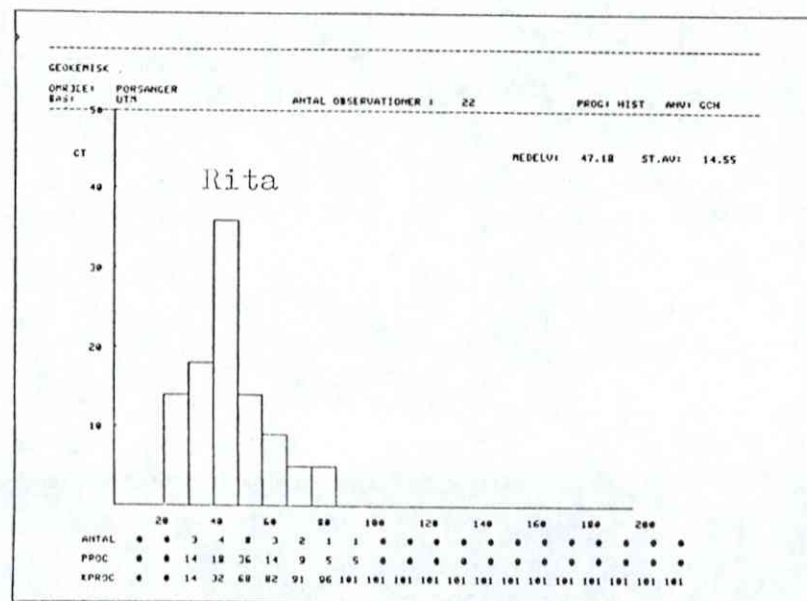
Ni (ppm)



15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

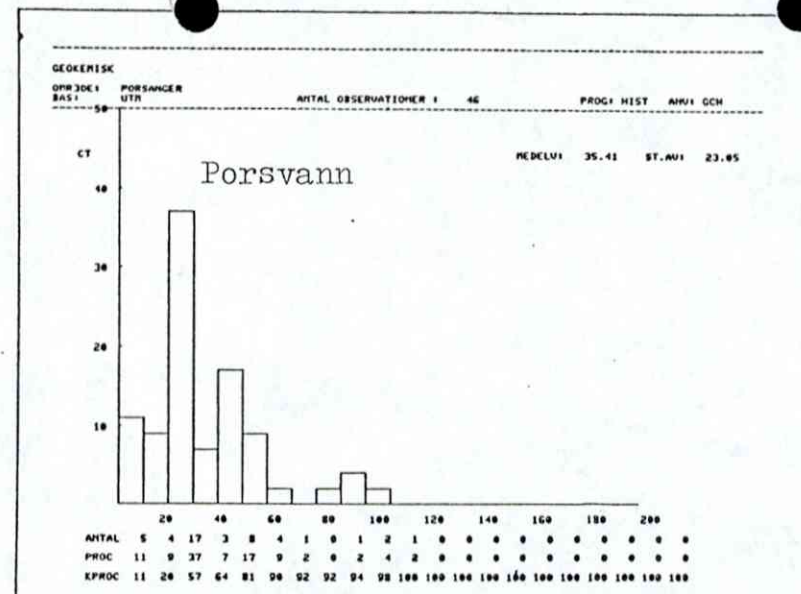
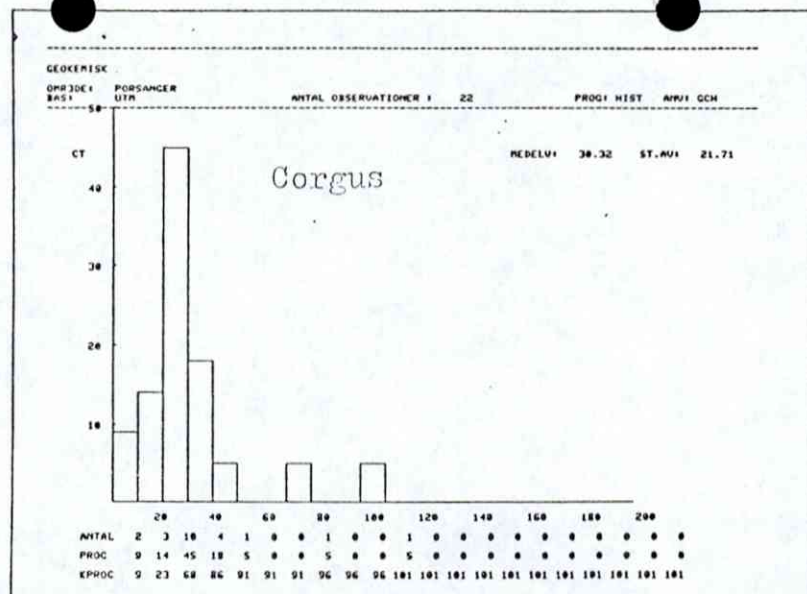


Zn (ppm)

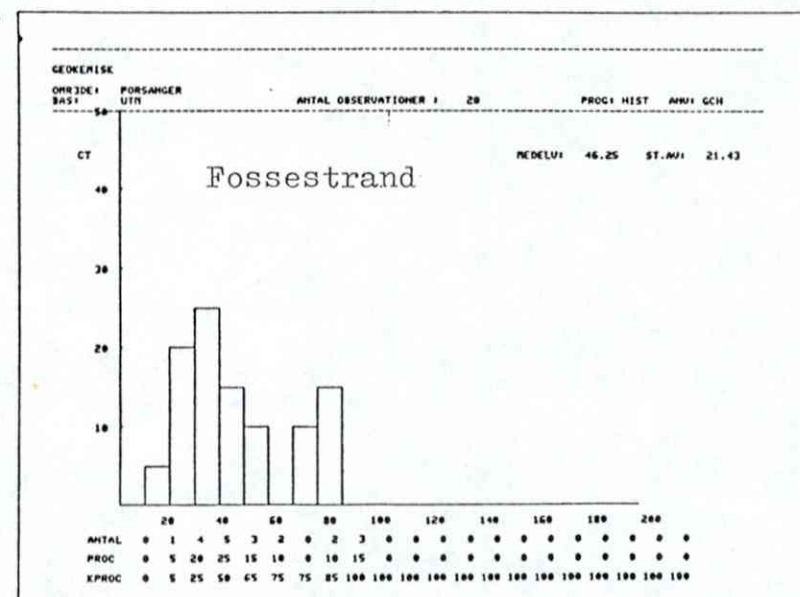
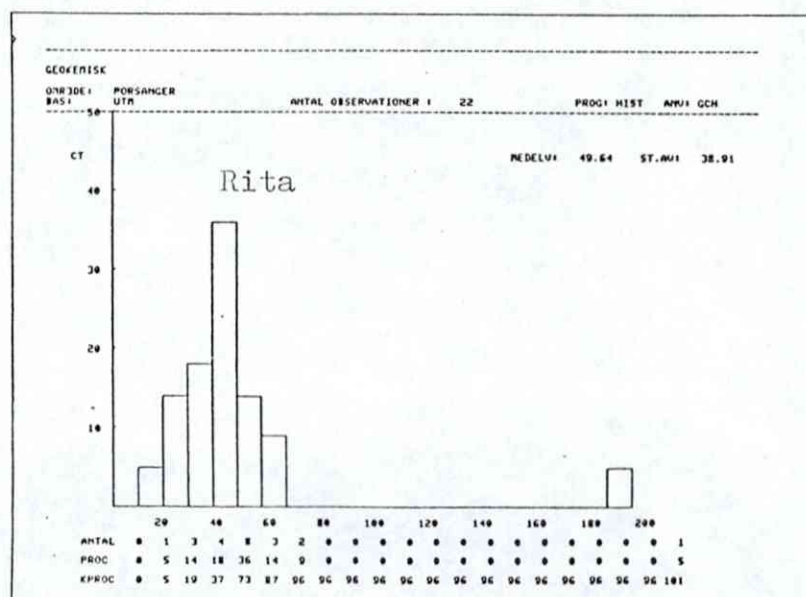


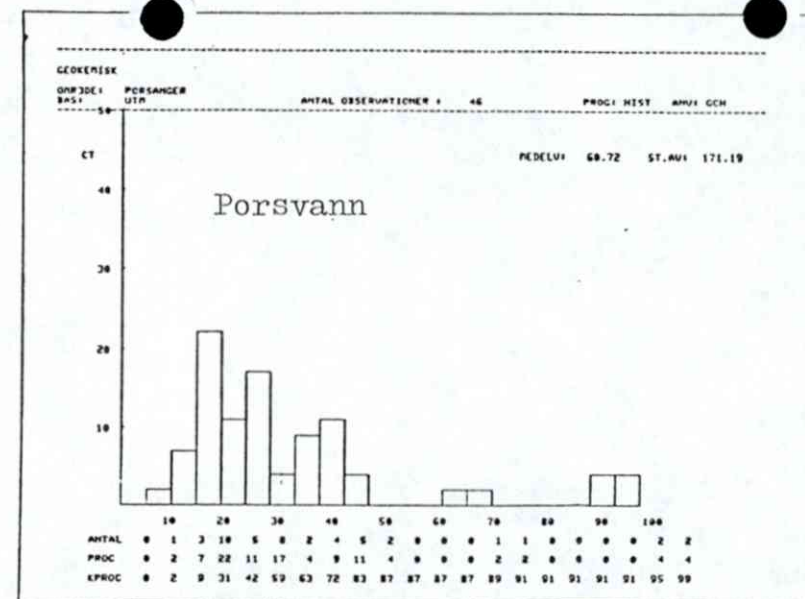
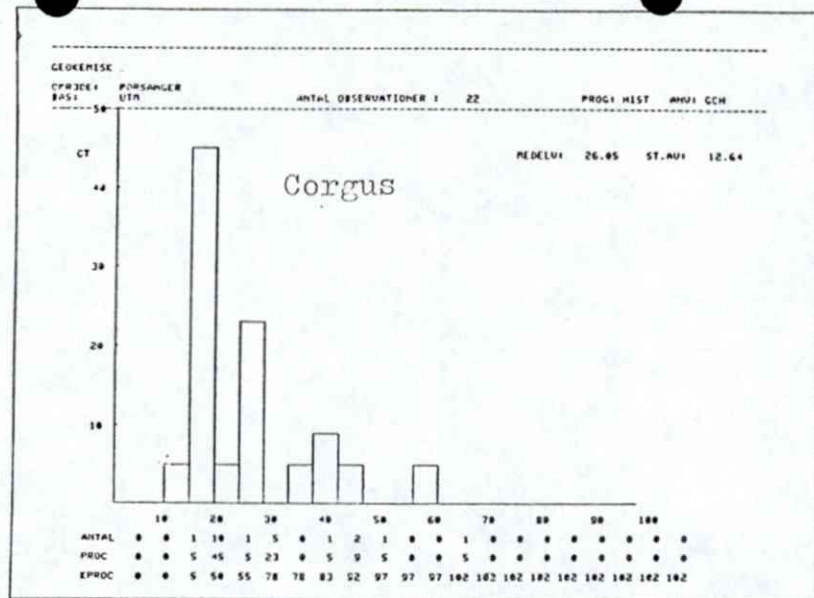
HISTOGRAMS FOR CO IN METADOLERITES IN 4 SUBAREAS

FIG. 10



Co (ppm)





Pb (ppm)

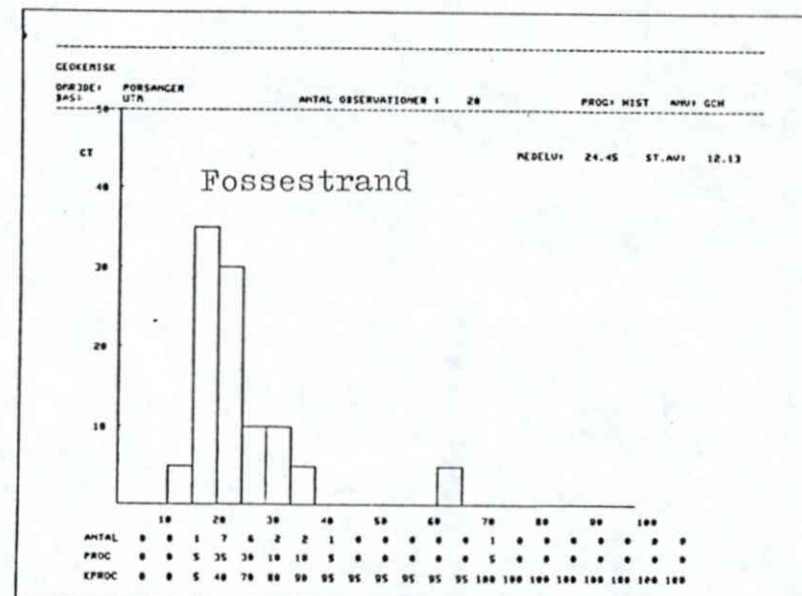
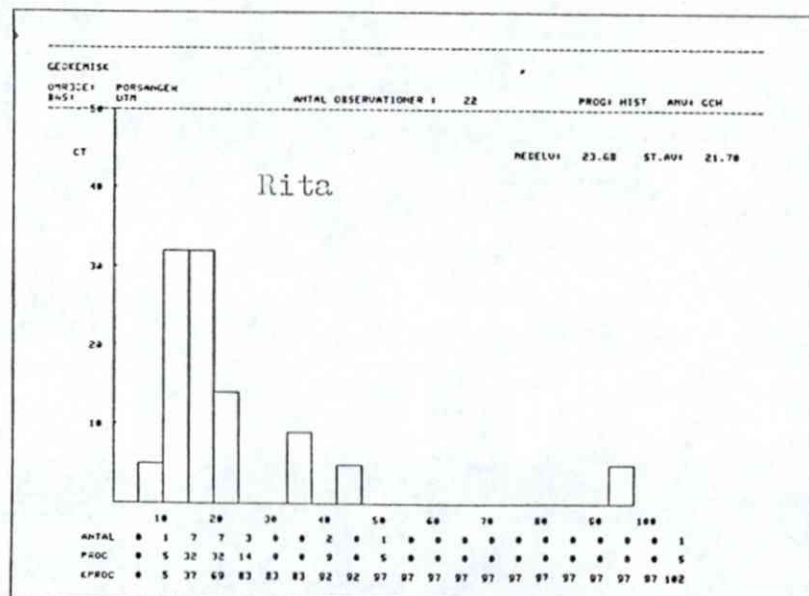
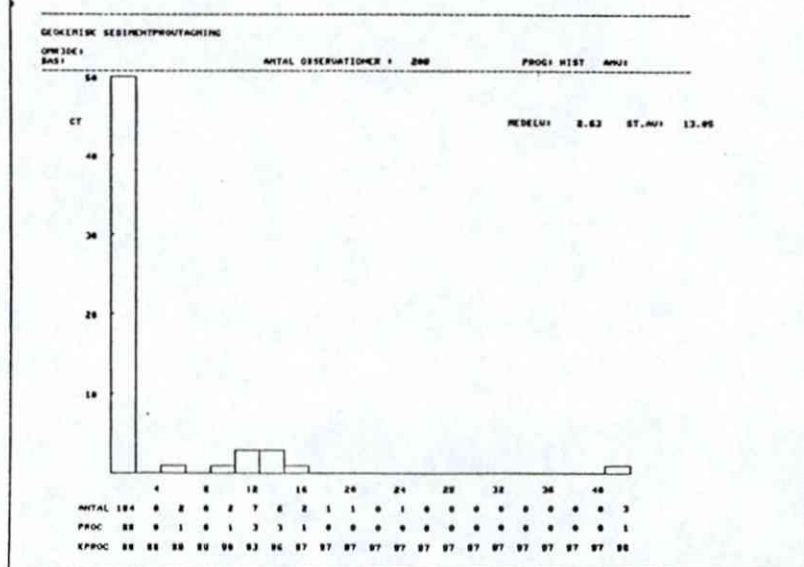


Fig. 12 B-C-D. Histograms for 209
Streamsediments Au, Pb, Zn.

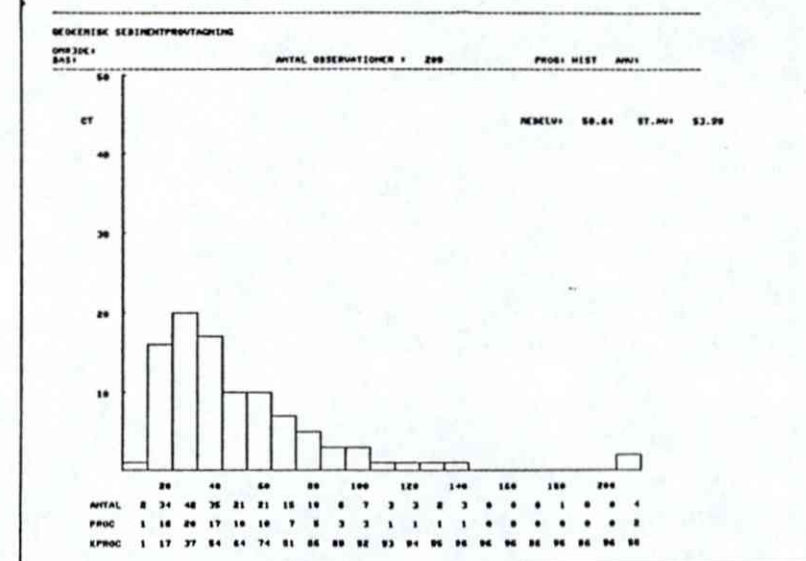
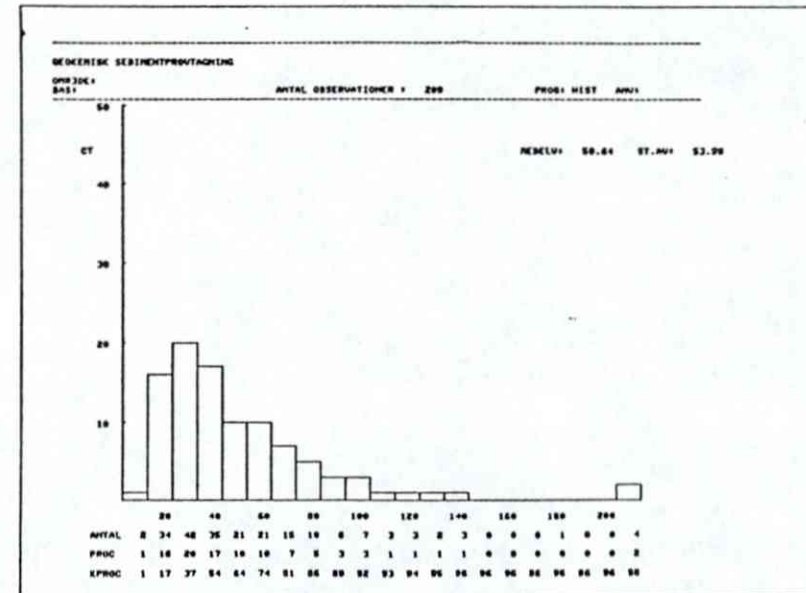
Fig. 12 B-C-D. Histograms for 209

7

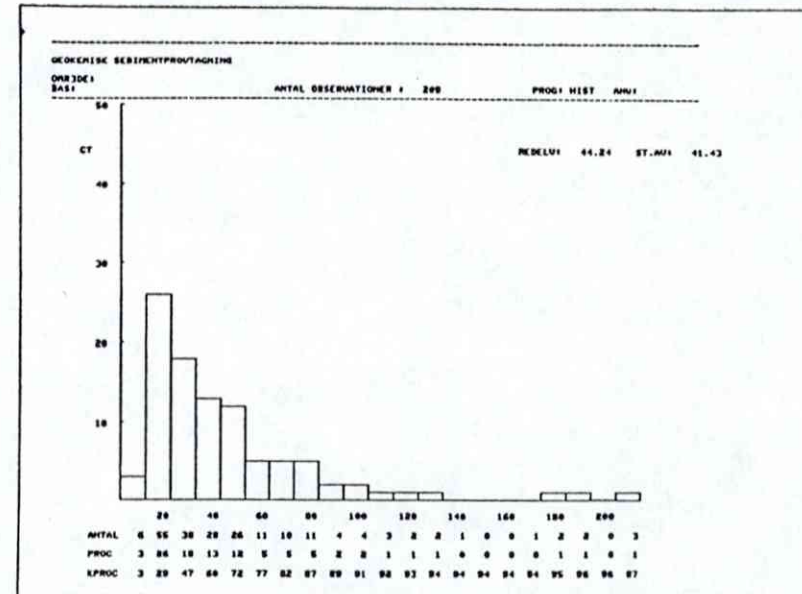
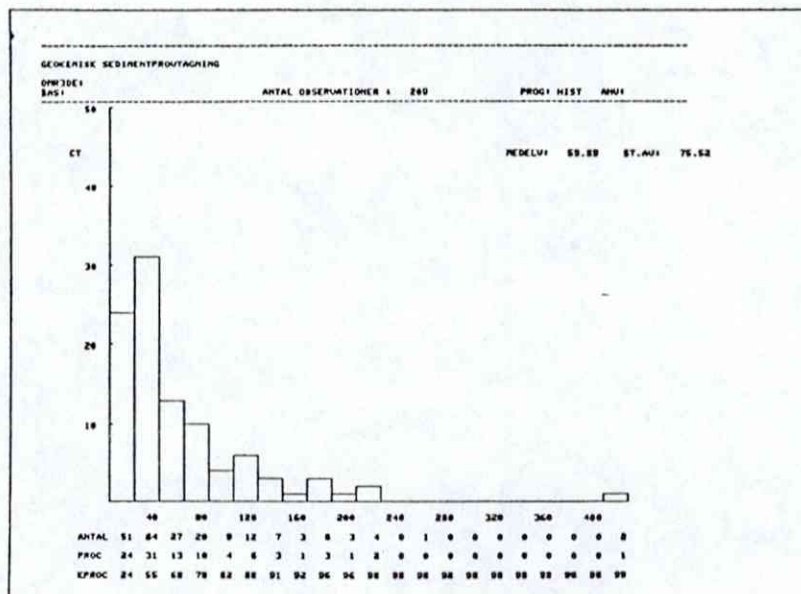


D

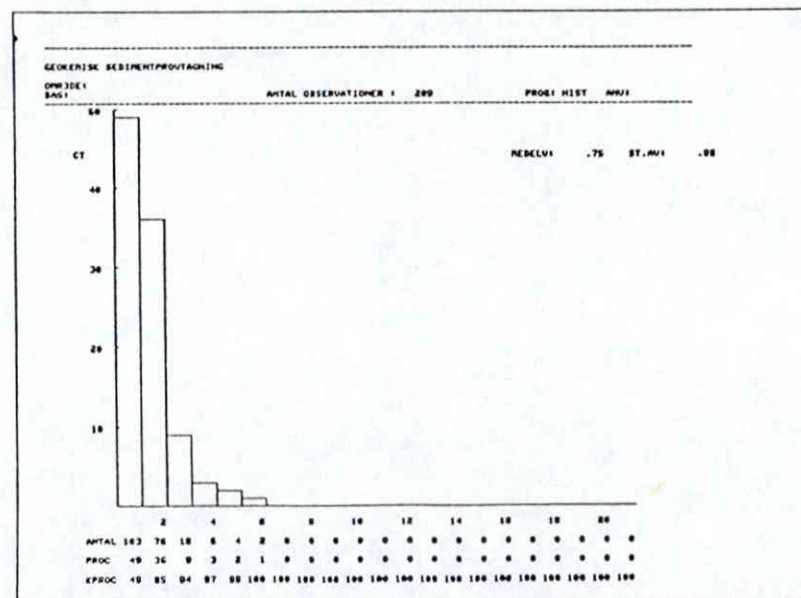
Zn (ppm)



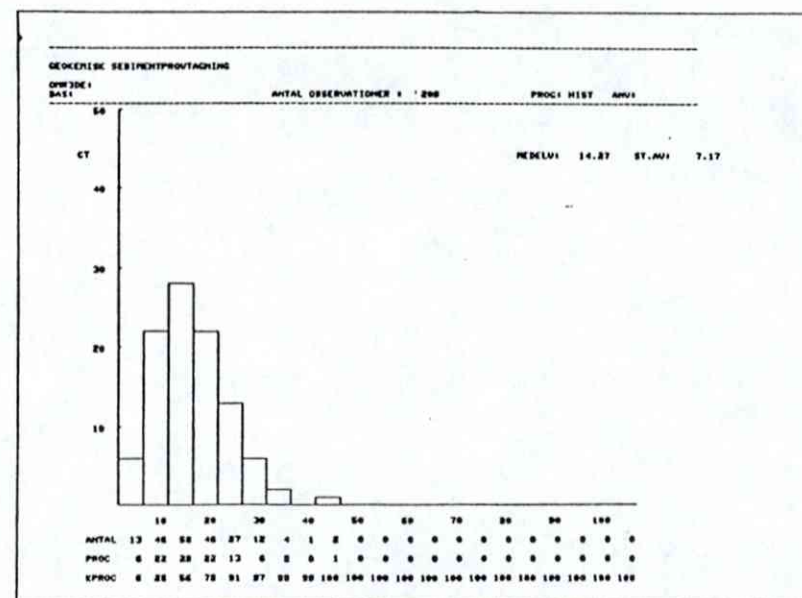
1.1
1.2
6.3
•
1
61



As (ppm)



Ni (ppm)



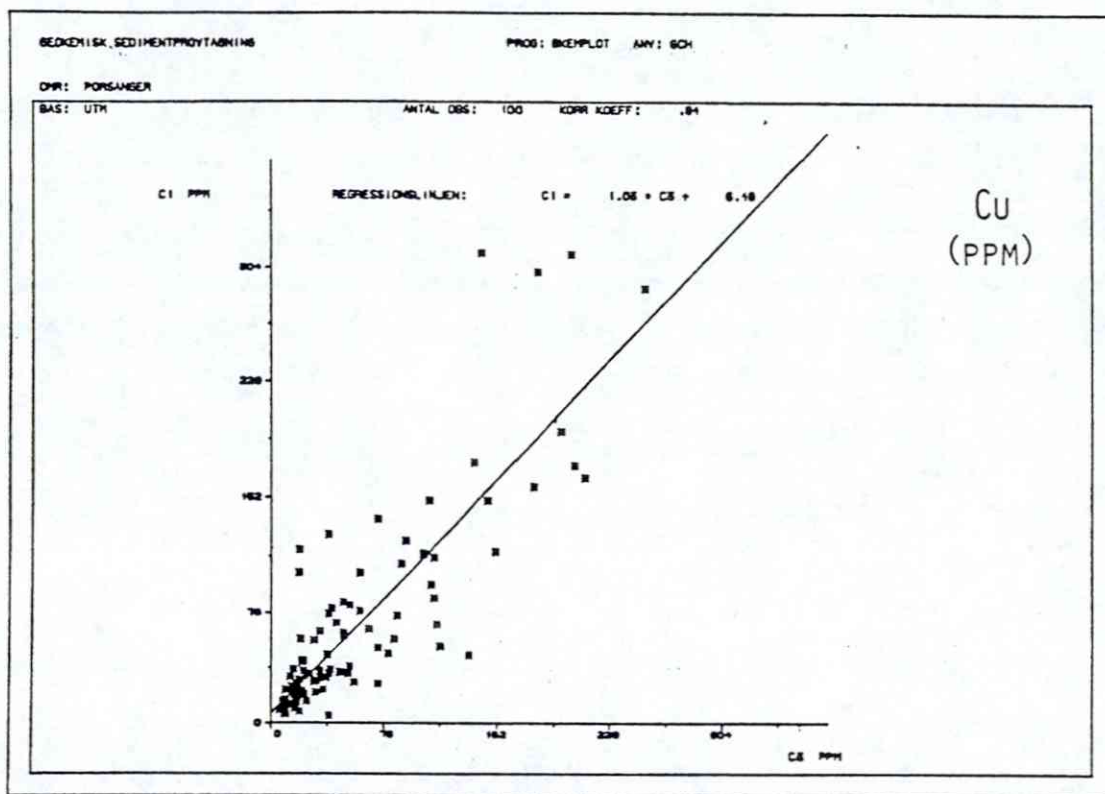


Fig.14. Scatterdiagram for Cu in 2 fractions:

C1 - Cu in 0.2mm 0.5mm

C3 - Cu in 0.2mm

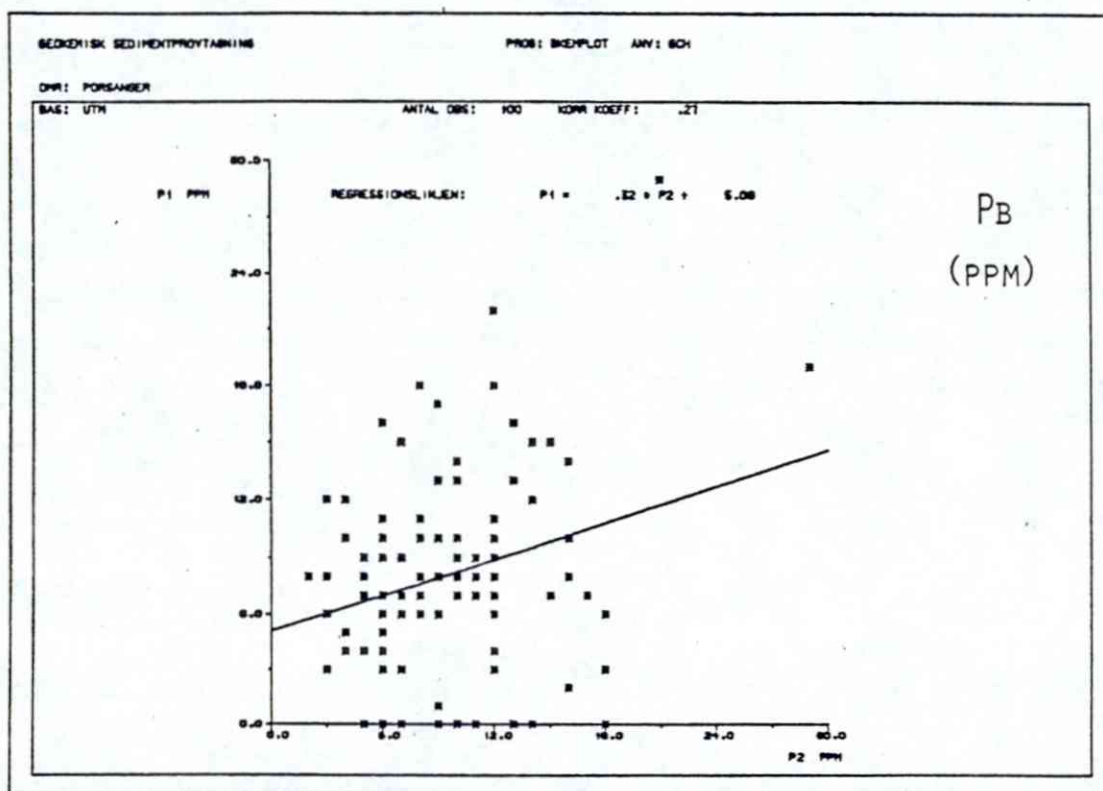


Fig. 15. Scatterdiagram for Pb in 2 fractions:

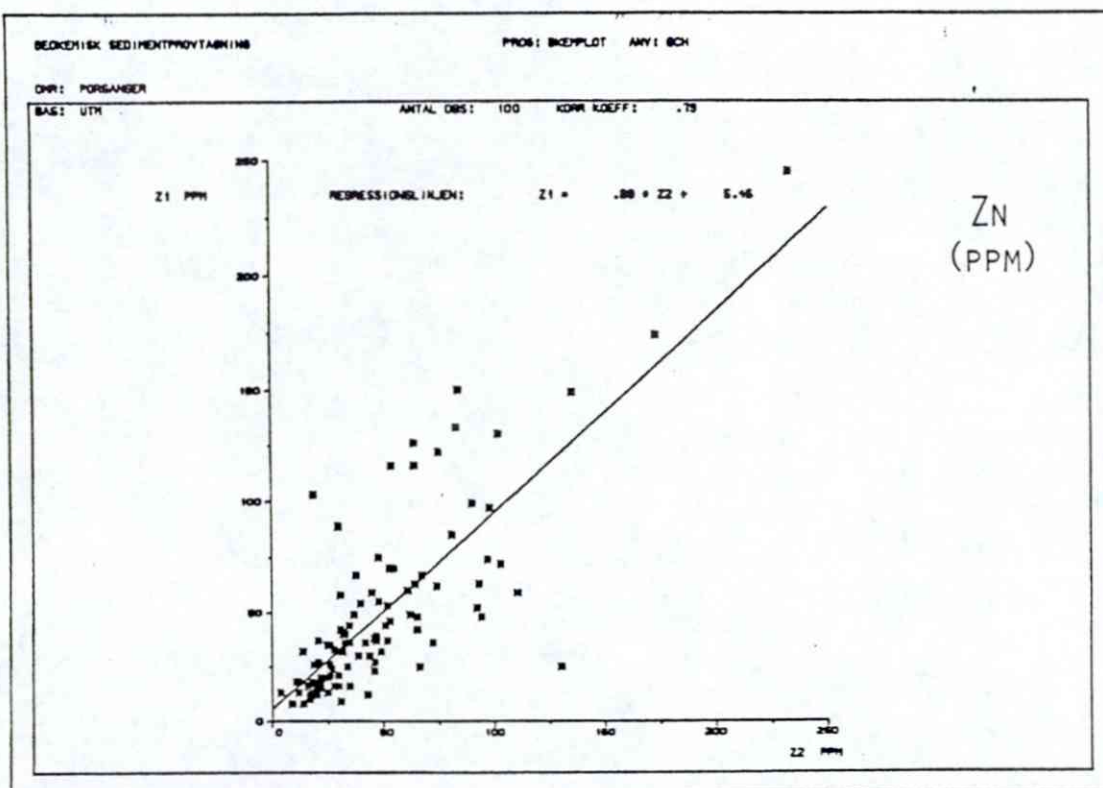
P1 - Pb in 0.2mm - 0.5mm

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



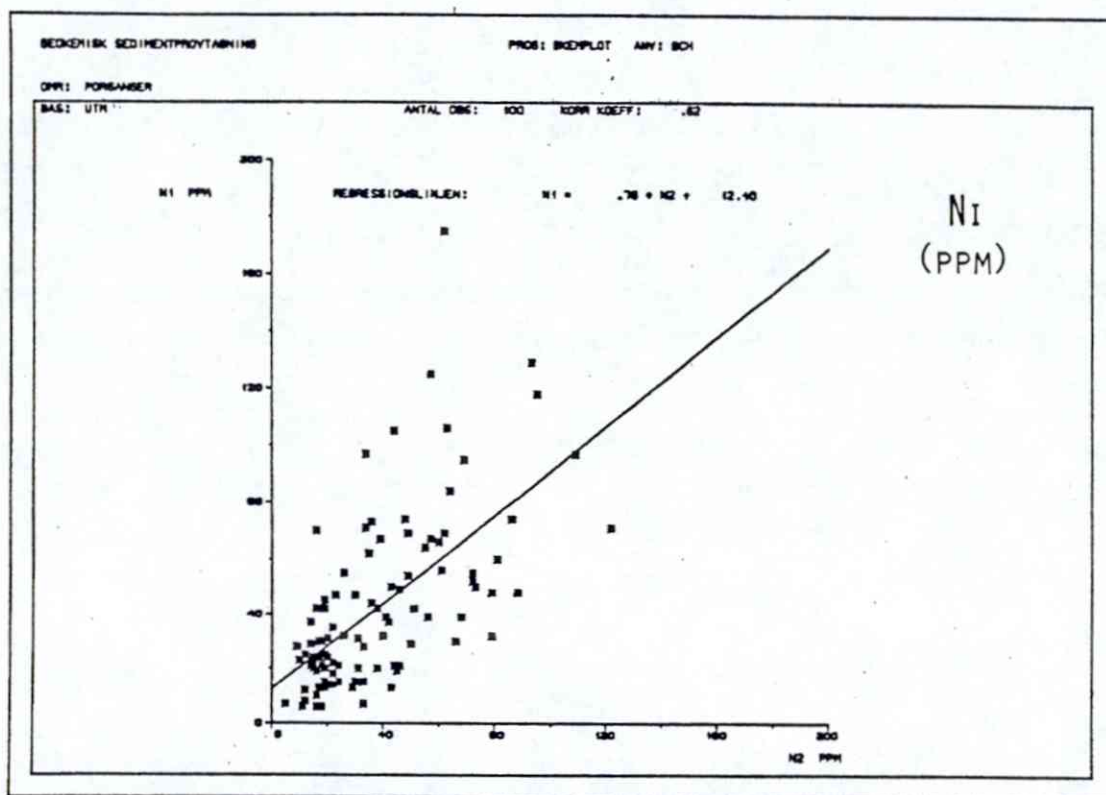


Fig. 17. Scatterdiagram for Ni in 2 fractions:

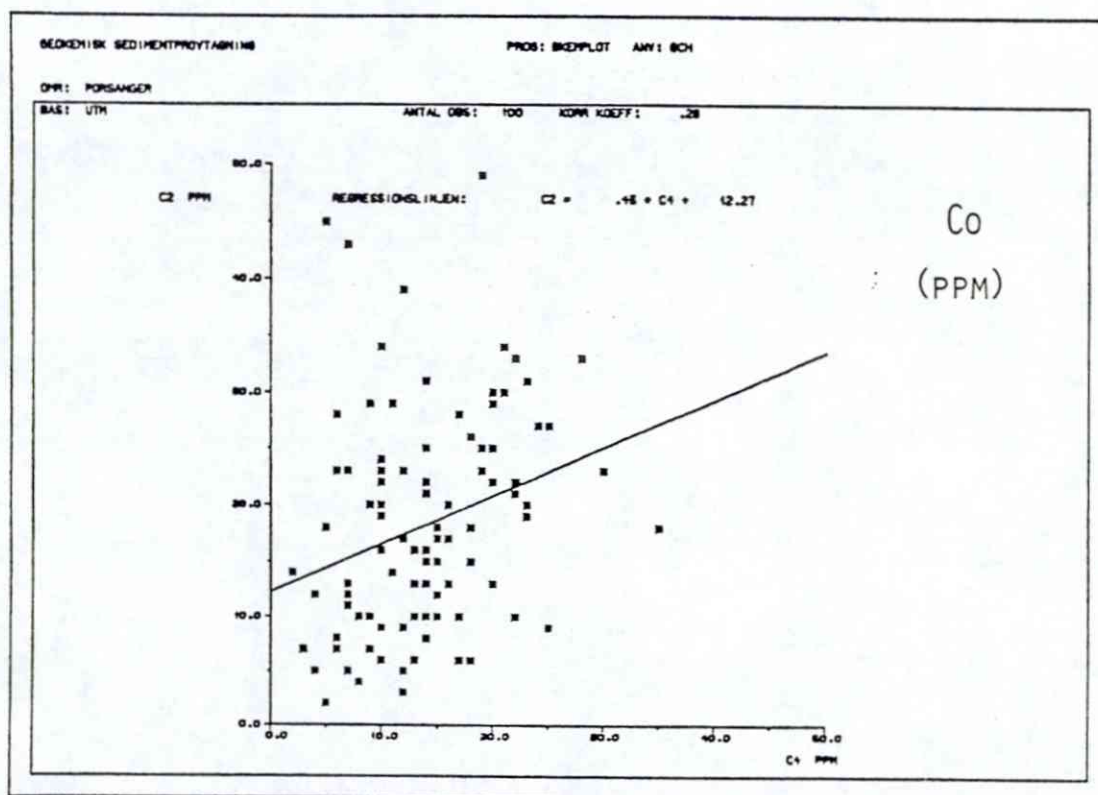
N1 - Ni in 0.2mm 0.5mm

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 PROSPEKTERINGS-AVDELINGEN

OMRÅDE NAVN : PORSANGER

NR : 25

2 NORSK HYDRO

DELFIL AV PORSLIT

5 FILNAVN : PORSL11

ANTALL PRØVER : 7

LITHO PRØVER

	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	10	250182	0	0	600.0	31.0	42.0	35.0	51.0	.8	.0	.0	1.0	.0
11	11	250183	0	0	1300.0	20.0	87.0	55.0	34.0	1.7	.0	.0	4.0	.0
12	12	250200	0	0	100.0	25.0	75.0	129.0	42.0	.9	.0	.0	1.0	.0
13	13	250202	0	0	200.0	59.0	154.0	154.0	62.0	2.0	.0	.0	.0	.0
14	14	250228	0	0	400.0	44.0	125.0	114.0	54.0	.4	.0	.0	.0	.0
15	15	250238	0	0	200.0	32.0	134.0	165.0	57.0	.4	.0	.0	.0	.0
16	16	250239	0	0	100.0	37.0	112.0	112.0	42.0	.7	.0	.0	.0	.0

RUSTHORIZONTER

DATE 012384

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1 PROSPEKTERINGSABDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFIL AV PORSLIT

5 FILNAVN : PORSL10

ANTALL PRØVER : 7

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	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 HØRSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFIL AV PORSLIT

5 FILNAVN : PORSLØS

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 PROSPEKTERINGS-AVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

3 BELFIL TIL PORSLIT

5 FILNAVN : PORSLO2

ANTALL PRØVER : 8

LITHO PRØVER

8	PROVE	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	10	250055	0	0	8700.0	23.0	105.0	107.0	66.0	1.0	0	0	0
11	11	250056	0	0	48700.0	14.0	9.0	40.0	48.0	7	1.0	289.0	0
12	12	250057	0	0	11000.0	52.0	14.0	37.0	30.0	0	0	0	0
13	13	250058	0	0	13300.0	10.0	13.0	382.0	20.0	1.3	1.0	0	0
14	14	250062	0	0	3400.0	17.0	20.0	58.0	28.0	0	0	29.0	0
15	15	250064	0	0	10700.0	13.0	15.0	55.0	45.0	0	1.0	107.0	0
16	16	250066	0	0	32600.0	21.0	17.0	54.0	25.0	1.3	1.0	63.0	0
17	17	250082	0	0	2500.0	15.0	39.0	42.0	21.0	8	0	0	0

METADOLERITES ALL SAMPLES

DATE 021484

PAGE

1

1 PROSPEKTERINGS-AVDELINGEN

OMRÅDE NAVN : PORSANGER

NR : 25

2 NORSK HYDRO

LITHOPRØVER POPSANGER, MINUS FORVITREDE PRØVER.

5 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 PPB	AS PPM	BI PPM
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	250038	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	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	48.0	58.0	16.0	3.4	1.0	.0	.0	.0
41	250103	0	0	22100.0	23.0	87.0	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	60.0	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	56.0	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

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63

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64 PROSPEKTERINGS-AVDELINGEN
65 HORSK HYDRO

OHRDE NAVN : PORSANGER

NR : 25

LITHOPRØVER PORSANGER, MINUS FORVITREDE PRØVER.

66
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 PPB	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	18360.0	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	386000.0	113.0	74.0	401.0	47.0	66.7	.0	50.0	.0	.0
86	250158	0	0	28800.0	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	28.0	36.0	27.0	6.4	.0	.0	.0	.0
91	250166	0	0	17900.0	13.0	27.0	78.0	47.0	3.8	.0	.0	.0	.0
92	250167	0	0	18660.0	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	250186	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	1.0	.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	6960.0	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	55.0	49.0	24.0	6.3	1.0	.0	9.0	.0
120	250225	0	0	14300.0	96.0	57.0	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	36200.0	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 PROSPEKTERINGS-AVDELINGEN
128 NORSK HYDRO

129 LITHOPRØVER PORSANGER, MINUS FORVITREDE PRØVER.
130

NR : 25

131 FILNAVN : PORSLI2

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 PPB	AS PPM	BI PPM
135													
136	250231	0	0	18500.0	37.0	94.0	43.0	43.0	3.5	.0	.0	.0	.0
137	250232	0	0	9800.0	42.0	112.0	51.0	55.0	2.2	.0	.0	.0	.0
138	250233	0	0	91300.0	45.0	57.0	53.0	25.0	15.1	.0	.0	.0	.0
139	250234	0	0	47300.0	23.0	89.0	59.0	36.0	5.2	.0	.0	8.0	.0
140	250235	0	0	20900.0	1188.0	114.0	16.0	26.0	12.6	.0	.0	.0	.0
141	250235	0	0	13100.0	54.0	55.0	149.0	41.0	4.7	.0	.0	1.0	.0
142	250240	0	0	25060.0	65.0	108.0	83.0	92.0	17.6	.0	.0	1.0	.0
143	250241	0	0	1100.0	33.0	118.0	20.0	22.0	.8	.0	.0	.0	.0
144	250242	0	0	12200.0	27.0	133.0	37.0	23.0	7.7	.0	.0	1.0	.0
145	250243	0	0	1000.0	44.0	392.0	469.0	48.0	1.2	2.0	.0	18.0	.0
146	250245	0	0	3300.0	11.0	79.0	25.0	21.0	2.7	.0	.0	.0	.0
147	250246	0	0	172500.0	19.0	71.0	30.0	62.0	17.8	.0	.0	.0	.0
148	250247	0	0	82300.0	39.0	38.0	19.0	7.0	3.7	.0	.0	.0	.0
149	250249	0	0	20900.0	41.0	74.0	39.0	45.0	2.3	.0	12.0	.0	.0
150	250251	0	0	4700.0	18.0	32.0	86.0	34.0	1.4	.0	.0	5.0	.0
151	250253	0	0	11000.0	21.0	73.0	54.0	32.0	7.4	.0	8.0	1.0	.0
152	250254	0	0	17400.0	56.0	109.0	99.0	56.0	11.6	.0	.0	.0	.0
153	250256	0	0	1900.0	59.0	118.0	41.0	19.0	1.7	2.0	.0	1.0	.0
154	250257	0	0	100.0	101.0	47.0	23.0	14.0	.0	.0	.0	1.0	.0

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1 PROSPEKTERINGS-AVDELINGEN
2 HORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFIL_TIL_PORSLIT

FILNAVN : PORSLO1

ANTALL PRØVEP : 20

LITHO PREVER

PtOVE	X-KCQD	Y-KQUD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPB	AS PPM	BI PPM
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10	10	250006	J	0	1400.0	22.0	6.0	55.0	44.0	.0	1.0	.0	.0	.0
	11	250007	J	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
20	13	250011	J	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
22	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	42.0	18.0	.9	1.0	.0	.0	.0
24	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
26	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
28	21	250036	J	0	7400.0	22.0	33.0	32.0	27.0	.5	.0	.0	.0	.0
	22	250035	J	0	3800.0	17.0	19.0	54.0	80.0	1.1	.0	.0	.0	.0
30	23	250041	J	0	28000.0	17.0	33.0	40.0	39.0	2.7	.0	.0	.0	.0
	24	250046	J	0	5900.0	19.0	27.0	56.0	37.0	2.1	.0	.0	.0	.0
32	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
34	27	250051	J	0	55000.0	15.0	72.0	18.0	55.0	3.9	.0	13.0	.0	.0
	28	250052	J	0	5300.0	23.0	45.0	51.0	48.0	.5	.0	.0	.0	.0
36	29	250053	J	0	10400.0	21.0	51.0	44.0	70.0	.8	.0	8.0	.0	.0

KARENHAUGEN N.W.

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NR : 25

DELFIL AV FORSLIT

LITHO PRIMER

ANTALL PRØVER : 5

	PRCVE	X-KOORD	Y-KOORD	CU PPM	PN PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPM	AS PPM	BT PPM
10	250073	0	0	9700.0	17.0	44.0	37.0	26.0	.6	.0	13.0	.0	.0
11	250074	0	0	14300.0	14.0	37.0	39.0	23.0	2.4	.0	8.0	.0	.0
12	250075	0	0	8800.0	18.0	55.0	79.0	25.0	1.5	.0	13.0	.0	.0
13	250077	0	0	13300.0	24.0	69.0	35.0	32.0	1.7	.0	13.0	.0	.0
14	250078	0	0	69900.0	15.0	46.0	74.0	39.0	3.8	.0	.0	.0	.0

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DATE 012384

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1 PROSPEKTERINGSAVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN : PORSANGER

NR : 25

DELFI TIL PORSLIT

5 FILNAVN : PORSLO6

ANTALL PRØVER : 46

LITHO PRØVER

	PRØVE	X-KOORD	Y-KOORD	CU PPM	FE 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	11	250131	0	0	138100.0	33.0	59.0	40.0	51.0	9.6	.0	12.0	.0
12	12	250132	0	0	7000.0	19.0	55.0	45.0	26.0	.8	.0	12.0	.0
13	13	250134	0	0	1500.0	26.0	80.0	51.0	29.0	.0	.0	25.0	.0
14	14	250135	0	0	136000.0	12.0	26.0	28.0	28.0	13.4	.0	18.0	.0
15	15	250136	0	0	18300.0	18.0	63.0	51.0	19.0	3.8	.0	12.0	.0
16	16	250175	0	0	2800.0	17.0	97.0	50.0	42.0	1.7	.0	8.0	.0
17	17	250176	0	0	16300.0	16.0	41.0	44.0	23.0	7.0	1.0	.0	.0
18	18	250181	0	0	1300.0	213.0	54.0	19.0	44.0	1.4	.0	.0	.0
19	19	250186	0	0	63600.0	16.0	54.0	52.0	36.0	6.7	.0	.0	.0
20	20	250187	0	0	22700.0	43.0	56.0	29.0	50.0	6.5	.0	.0	.0
21	21	250188	0	0	199000.0	19.0	49.0	7.0	49.0	52.2	.0	.0	.0
22	22	250189	0	0	27200.0	22.0	63.0	69.0	59.0	16.7	.0	.0	.0
23	23	250191	0	0	14100.0	29.0	19.0	31.0	105.0	6.7	.0	.0	.0
24	24	250192	0	0	2000.0	27.0	34.0	44.0	45.0	.0	.0	1.0	.0
25	25	250194	0	0	43500.0	29.0	95.0	104.0	24.0	9.6	.0	.0	.0
26	26	250196	0	0	57100.0	73.0	50.0	49.0	92.0	10.6	.0	.0	.0
27	27	250197	0	0	196600.0	22.0	39.0	33.0	21.0	66.6	.0	.0	.0
28	28	250198	0	0	7200.0	9.0	25.0	128.0	14.0	2.2	.0	.0	1.0
29	29	250206	0	0	9400.0	20.0	72.0	33.0	16.0	.5	.0	.0	1.0
30	30	250207	0	0	6800.0	44.0	55.0	16.0	19.0	.3	.0	.0	.0
31	31	250210	0	0	1700.0	17.0	28.0	8.0	7.0	.3	1.0	.0	.0
32	32	250211	0	0	500.0	28.0	23.0	2.0	5.0	.1	1.0	.0	.0
33	33	250214	0	0	13200.0	35.0	52.0	14.0	7.0	3.5	2.0	.0	.0
34	34	250216	0	0	2500.0	26.0	59.0	39.0	29.0	.9	1.0	.0	.0
35	35	250218	0	0	6900.0	25.0	50.0	42.0	27.0	.9	1.0	.0	1.0
36	36	250222	0	0	3600.0	12.0	27.0	9.0	4.0	.6	1.0	.0	.0
37	37	250223	0	0	17400.0	15.0	65.0	49.0	24.0	6.3	1.0	.0	9.0
38	38	250225	0	0	14300.0	96.0	67.0	41.0	40.0	3.2	1.0	.0	.0
39	39	250226	0	0	16300.0	45.0	59.0	30.0	86.0	3.0	.0	.0	6.0
40	40	250227	0	0	38200.0	95.0	74.0	32.0	21.0	7.2	.0	.0	.0
41	41	250229	0	0	173900.0	36.0	48.0	38.0	20.0	16.2	.0	75.0	.0
42	42	250231	0	0	18500.0	37.0	94.0	43.0	43.0	3.5	.0	.0	.0
43	43	250232	0	0	9800.0	42.0	112.0	51.0	55.0	2.2	.0	.0	.0
44	44	250233	0	0	91300.0	45.0	67.0	53.0	25.0	15.1	.0	.0	.0
45	45	250234	0	0	47300.0	23.0	89.0	59.0	36.0	5.2	.0	.0	8.0
46	46	250235	0	0	20900.0	1198.0	114.0	16.0	26.0	12.6	.0	.0	.0
47	47	250240	0	0	25000.0	65.0	103.0	83.0	92.0	17.6	.0	.0	1.0
48	48	250241	0	0	1100.0	33.0	113.0	20.0	22.0	.8	.0	.0	.0
49	49	250242	0	0	12200.0	27.0	183.0	37.0	23.0	7.7	.0	.0	1.0
50	50	250243	0	0	1000.0	44.0	392.0	469.0	48.0	1.2	2.0	.0	18.0
51	51	250245	0	0	3300.0	11.0	79.0	25.0	21.0	2.7	.0	.0	.0
52	52	250246	0	0	172500.0	19.0	71.0	30.0	62.0	17.8	.0	.0	.0
53	53	250247	0	0	82300.0	39.0	35.0	19.0	7.0	3.7	.0	.0	.0
54	54	250249	0	0	20900.0	41.0	74.0	39.0	45.0	2.3	.0	12.0	.0
55	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 PROSPEKTERINGS-AVDELINGEN
2 HORSK HYDRO

OMRØDE NAVN : PORSANGER

NR : 25

DELFIL TIL PORSLIT

FILNAVN : PORSL05

ANTALL PRØVER : 22

LITHO PROVER

PROVE X-KOORD Y-KOORD CU PPM PE PPM ZN PPM NI PPM CO PPM AG PPM W PPM AU PPM AS PPM BT PPM

10	250138	0	0	33700.0	18.0	39.0	50.0	31.0	16.8	.0	12.0	.0	.0
11	250139	0	0	103300.0	24.0	42.0	51.0	23.0	154.9	.0	16.0	.0	7.0
12	250141	0	0	600.0	37.0	57.0	79.0	32.0	1.5	.0	13.0	.0	38.0
13	250142	0	0	32600.0	22.0	52.0	110.0	33.0	16.4	.0	50.0	.0	.0
14	250145	0	0	187500.0	16.0	41.0	104.0	47.0	17.5	.0	38.0	.0	.0
15	250147	0	0	4300.0	12.0	37.0	47.0	37.0	1.6	.0	12.0	.0	.0
16	250148	0	0	9900.0	24.0	29.0	39.0	48.0	.7	.0	38.0	.0	.0
17	250150	0	0	389000.0	14.0	47.0	123.0	40.0	30.5	.0	20.0	.0	.0
18	250151	0	0	20900.0	19.0	49.0	33.0	56.0	10.6	.0	8.0	.0	.0
19	250153	0	0	25100.0	49.0	42.0	31.0	53.0	16.1	.0	10.0	.0	.0
20	250155	0	0	386000.0	113.0	74.0	401.0	47.0	66.7	.0	50.0	.0	.0
21	250156	0	0	28800.0	12.0	40.0	61.0	45.0	3.7	.0	.0	.0	.0
22	250160	0	0	24300.0	10.0	33.0	52.0	46.0	1.9	.0	60.0	.0	.0
23	250162	0	0	19400.0	9.0	57.0	53.0	60.0	.9	.0	.0	.0	.0
24	250163	0	0	7400.0	11.0	35.0	138.0	49.0	.0	.0	.0	.0	.0
25	250164	0	0	106300.0	16.0	28.0	36.0	27.0	6.4	.0	.0	.0	.0
26	250166	0	0	17900.0	13.0	27.0	78.0	42.0	3.8	.0	.0	.0	.0
27	250167	0	0	18600.0	15.0	67.0	30.0	65.0	1.3	.0	12.0	1.0	.0
28	250168	0	0	33800.0	19.0	46.0	72.0	50.0	2.6	.0	20.0	.0	.0
29	250170	0	0	2300.0	18.0	46.0	35.0	15.0	.0	.0	24.0	.0	.0
30	250172	0	0	12200.0	35.0	81.0	158.0	219.0	2.2	.0	16.0	.0	.0
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

DELFI AV FORSLIT

5 FILNAVN : PORSLO4

LITHO PRØVER

ANTALL PRØVER : 22

	PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CU PPM	AG PPM	W PPM	AU PPM	AS PPM	BI PPM
10	10	250095	0	0	2200.0	27.0	74.0	64.0	76.0	1.1	.0	.0	3.0
11	11	250097	0	0	19600.0	16.0	67.0	48.0	31.0	5.5	.0	.0	.0
12	12	250098	0	0	700.0	19.0	45.0	49.0	29.0	.9	1.0	.0	.0
13	13	250100	0	0	13600.0	45.0	74.0	35.0	39.0	3.1	.0	.0	.0
14	14	250101	0	0	6100.0	28.0	77.0	57.0	24.0	1.2	.0	.0	.0
15	15	250102	0	0	21700.0	18.0	48.0	58.0	16.0	3.4	1.0	.0	.0
16	16	250103	0	0	22100.0	23.0	67.0	37.0	22.0	6.2	3.0	.0	.0
17	17	250104	0	0	20600.0	43.0	58.0	15.0	3.0	5.6	.0	.0	.0
18	18	250107	0	0	2500.0	39.0	110.0	66.0	27.0	2.3	1.0	.0	.0
19	19	250109	0	0	6500.0	63.0	19.0	35.0	16.0	4.4	.0	.0	.0
20	20	250110	0	0	117600.0	28.0	43.0	45.0	106.0	11.4	.0	13.0	.0
21	21	250111	0	0	40500.0	27.0	68.0	104.0	35.0	4.7	.0	29.0	.0
22	22	250115	0	0	26700.0	17.0	32.0	55.0	25.0	5.2	1.0	71.0	.0
23	23	250120	0	0	17900.0	29.0	32.0	37.0	26.0	3.4	1.0	29.0	.0
24	24	250121	0	0	15800.0	15.0	19.0	32.0	20.0	6.2	.0	8.0	.0
25	25	250122	0	0	19700.0	41.0	30.0	49.0	8.0	4.8	.0	290.0	.0
26	26	250123	0	0	69000.0	17.0	60.0	117.0	41.0	5.8	1.0	25.0	.0
27	27	250124	0	0	20500.0	16.0	40.0	53.0	21.0	1.8	1.0	13.0	.0
28	28	250125	0	0	166900.0	17.0	48.0	69.0	34.0	29.4	.0	13.0	.0
29	29	250127	0	0	81700.0	11.0	37.0	65.0	28.0	2.3	.0	25.0	.0
30	30	250128	0	0	176300.0	19.0	48.0	60.0	27.0	35.6	.0	62.0	.0
31	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

3
4
5 DELFIL AV PORSLIT6
7
8 FILNAVN : PORSLU9

ANTALL PRØVER : 3

LITHO PRØVER

9	PRØVE	X-KOORD	Y-KOORD	CU PPM	FE PPM	ZN PPM	NI PPM	CO PPM	AG PPM	W PPM	AU PPB	AS PPM	BI PPM
10	10	250199	0	0	18800.0	34.0	79.0	81.0	51.0	.3	.0	.0	.0
11	11	250236	0	0	13100.0	54.0	65.0	149.0	41.0	4.7	.0	.0	1.0
12	12	250251	0	0	4700.0	18.0	32.0	86.0	34.0	1.4	.0	.0	5.0

DATE 012384

PAGE 1

1 PROSPEKTERINGSAVDELINGEN

CMRKE 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
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11	11	250256	0	0	1900.0	59.0	118.0	41.0	19.0	1.7	2.0	.0	1.0
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12	12	250257	0	0	100.0	101.0	47.0	23.0	14.0	.0	.0	.0	1.0
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Karensvatnet

Eidskog

Langbukt

1 PROSPEKTERINGS-AVDELINGEN
2 NORSK HYDRO

OMRÅDE NAVN :

NR : 0

BEKKESSEDIMENTET FRA PORSANGER

FILNAVN : PORSBEK

ANTALL PRØVER : 209

BEKKESSEDIMENTET

PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AU PPM	BI PPM	AG PPM	W PPM
10	250001	0	0	29.0	17.0	72.0	79.0	20.0	1.0	10.0	.0	.0
11	250002	0	0	26.0	15.0	58.0	16.0	12.0	.0	5.0	.0	.0
12	250003	0	0	31.0	11.0	34.0	22.0	11.0	1.0	.0	.0	.0
13	250004	0	0	21.0	10.0	25.0	16.0	8.0	.0	10.0	.0	.0
14	250005	0	0	32.0	19.0	66.0	48.0	24.0	1.0	.0	.0	.0
15	250006	0	0	14.0	9.0	17.0	17.0	11.0	1.0	.0	.0	.0
16	250007	0	0	20.0	9.0	25.0	29.0	15.0	.0	10.0	.0	.0
17	250008	0	0	26.0	8.0	21.0	27.0	12.0	.0	.0	.0	.0
18	250009	0	0	6.0	8.0	10.0	14.0	10.0	.0	.0	.0	.0
19	250010	0	0	38.0	13.0	34.0	25.0	18.0	1.0	.0	.0	.0
20	250011	0	0	45.0	15.0	54.0	93.0	26.0	1.0	.0	.0	.0
21	250012	0	0	39.0	11.0	53.0	82.0	22.0	1.0	23.0	.0	.0
22	250013	0	0	60.0	13.0	82.0	176.0	42.0	1.0	.0	.0	.0
23	250014	0	0	32.0	10.0	27.0	23.0	8.0	.0	.0	.0	.0
24	250015	0	0	79.0	14.0	99.0	31.0	33.0	1.0	.0	1.0	.0
25	250016	0	0	38.0	7.0	30.0	15.0	13.0	2.0	.0	.0	.0
26	250017	0	0	26.0	7.0	17.0	18.0	6.0	.0	.0	.0	.0
27	250018	0	0	29.0	6.0	22.0	16.0	5.0	1.0	15.0	.0	.0
28	250019	0	0	22.0	6.0	17.0	23.0	6.0	.0	.0	.0	.0
29	250020	0	0	66.0	8.0	21.0	30.0	5.0	1.0	10.0	.0	.0
30	250021	0	0	166.0	8.0	41.0	77.0	18.0	1.0	10.0	.0	.0
31	250022	0	0	57.0	8.0	19.0	20.0	9.0	1.0	15.0	.0	.0
32	250023	0	0	68.0	9.0	62.0	51.0	16.0	3.0	5.0	.0	.0
33	250024	0	0	17.0	6.0	25.0	20.0	7.0	.0	.0	.0	.0
34	250025	0	0	19.0	5.0	19.0	18.0	5.0	.0	.0	.0	.0
35	250026	0	0	38.0	4.0	19.0	19.0	6.0	.0	.0	.0	.0
36	250027	0	0	30.0	5.0	30.0	38.0	14.0	.0	70.0	1.0	.0
37	250028	0	0	13.0	6.0	16.0	17.0	4.0	.0	.0	.0	.0
38	250029	0	0	15.0	6.0	17.0	13.0	9.0	.0	.0	.0	.0
39	250030	0	0	21.0	6.0	33.0	24.0	15.0	.0	.0	.0	.0
40	250031	0	0	33.0	6.0	35.0	109.0	18.0	.0	12.0	.0	.0
41	250032	0	0	64.0	7.0	42.0	151.0	18.0	.0	.0	.0	.0
42	250033	0	0	19.0	5.0	30.0	79.0	12.0	.0	12.0	.0	.0
43	250034	0	0	39.0	9.0	65.0	88.0	22.0	.0	12.0	.0	.0
44	250035	0	0	16.0	7.0	22.0	22.0	12.0	.0	12.0	.0	.0
45	250036	0	0	88.0	10.0	125.0	75.0	30.0	.0	.0	.0	.0
46	250037	0	0	28.0	12.0	39.0	26.0	13.0	.0	.0	.0	.0
47	250038	0	0	133.0	40.0	66.0	46.0	14.0	1.0	.0	.0	.0
48	250039	0	0	176.0	16.0	81.0	72.0	18.0	1.0	.0	.0	.0
49	250040	0	0	252.0	29.0	90.0	55.0	19.0	.0	.0	.0	.0
50	250041	0	0	61.0	12.0	53.0	47.0	15.0	.0	.0	.0	.0
51	250042	0	0	76.0	13.0	50.0	43.0	13.0	.0	.0	.0	.0
52	250043	0	0	169.0	15.0	46.0	55.0	16.0	.0	.0	.0	.0
53	250044	0	0	10.0	5.0	19.0	16.0	8.0	.0	.0	.0	.0
54	250045	0	0	21.0	10.0	18.0	33.0	12.0	1.0	.0	.0	.0
55	250046	0	0	20.0	7.0	18.0	27.0	9.0	.0	.0	.0	.0
56	250047	0	0	19.0	8.0	19.0	33.0	6.0	1.0	.0	.0	.0
57	250048	0	0	17.0	10.0	29.0	24.0	7.0	1.0	.0	.0	.0
58	250049	0	0	53.0	12.0	39.0	56.0	15.0	1.0	.0	.0	.0
59	250050	0	0	37.0	10.0	47.0	33.0	14.0	1.0	.0	.0	.0
60	250051	0	0	24.0	9.0	41.0	26.0	15.0	.0	10.0	.0	.0

64 PROSPEKTERINGSAVDELINGEN

OMRÅDE NAVN :

NR : 0

65 NORSK HYDRO

BEKKESSEDIMENTET FRA PORSÅNGER

66 FILMNAVN : PORSBEK

ANTALL PRØVER : 209

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BEKKESSEDIMENTET

PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AI PPM	BI PPM	AG PPM	W PPM
250052	0	0	12.0	6.0	21.0	15.0	6.0	.0	.0	1.0	.0	.0
250053	0	0	151.0	10.0	47.0	122.0	14.0	.0	10.0	.0	.0	.0
250054	0	0	29.0	7.0	32.0	45.0	20.0	.0	.0	1.0	.0	.0
250055	0	0	137.0	13.0	64.0	51.0	19.0	.0	12.0	1.0	.0	.0
250056	0	0	166.0	11.0	120.0	119.0	30.0	.0	.0	.0	.0	.0
250057	0	0	35.0	7.0	44.0	33.0	12.0	.0	.0	.0	.0	.0
250058	0	0	669.0	12.0	45.0	44.0	25.0	.0	.0	.0	.0	.0
250059	0	0	142.0	8.0	35.0	31.0	13.0	.0	.0	.0	.0	.0
250060	0	0	56.0	8.0	56.0	40.0	16.0	.0	.0	.0	.0	.0
250061	0	0	43.0	11.0	56.0	50.0	28.0	1.0	.0	.0	.0	.0
250062	0	0	20.0	9.0	45.0	36.0	20.0	.0	.0	.0	.0	.0
250063	0	0	63.0	11.0	59.0	40.0	15.0	.0	.0	.0	.0	.0
250064	0	0	13.0	3.0	12.0	12.0	4.0	.0	.0	.0	.0	.0
250065	0	0	40.0	12.0	97.0	36.0	35.0	.0	.0	.0	.0	.0
250066	0	0	21.0	11.0	36.0	33.0	16.0	.0	.0	.0	.0	.0
250067	0	0	84.0	10.0	75.0	92.0	20.0	.0	.0	.0	.0	.0
250068	0	0	37.0	17.0	111.0	45.0	19.0	.0	.0	.0	.0	.0
250069	0	0	44.0	6.0	63.0	50.0	17.0	1.0	.0	.0	.0	.0
250070	0	0	14.0	4.0	14.0	29.0	7.0	.0	.0	.0	.0	.0
250071	0	0	91.0	9.0	135.0	61.0	20.0	.0	.0	.0	.0	.0
250072	0	0	37.0	15.0	103.0	43.0	23.0	.0	.0	.0	.0	.0
250073	0	0	60.0	21.0	65.0	66.0	22.0	.0	.0	.0	.0	.0
250074	0	0	33.0	6.0	35.0	33.0	14.0	.0	.0	.0	.0	.0
250075	0	0	19.0	26.0	53.0	28.0	12.0	1.0	.0	.0	.0	.0
250076	0	0	136.0	19.0	37.0	21.0	9.0	1.0	.0	.0	.0	.0
250077	0	0	8.0	3.0	17.0	16.0	9.0	1.0	.0	.0	.0	.0
250078	0	0	85.0	12.0	25.0	24.0	7.0	.0	156.0	.0	.0	.0
250079	0	0	16.0	6.0	31.0	30.0	13.0	1.0	.0	.0	.0	.0
250080	0	0	64.0	10.0	32.0	78.0	22.0	1.0	.0	.0	.0	.0
250081	0	0	49.0	8.0	46.0	86.0	23.0	1.0	.0	.0	.0	.0
250082	0	0	110.0	12.0	28.0	50.0	23.0	1.0	.0	.0	.0	.0
250083	0	0	13.0	5.0	22.0	20.0	19.0	.0	.0	.0	.0	.0
250084	0	0	33.0	9.0	52.0	48.0	16.0	.0	.0	.0	.0	.0
250085	0	0	9.0	3.0	16.0	22.0	10.0	.0	.0	.0	.0	.0
250086	0	0	91.0	8.0	119.0	163.0	25.0	.0	.0	1.0	.0	.0
250087	0	0	17.0	10.0	38.0	64.0	13.0	.0	9.0	.0	.0	.0
250088	0	0	107.0	10.0	53.0	42.0	14.0	.0	.0	1.0	.0	.0
250089	0	0	19.0	8.0	22.0	29.0	10.0	.0	.0	.0	.0	.0
250090	0	0	19.0	6.0	18.0	20.0	9.0	1.0	.0	.0	.0	.0
250091	0	0	59.0	8.0	37.0	35.0	15.0	.0	.0	.0	.0	.0
250092	0	0	41.0	4.0	36.0	40.0	14.0	1.0	.0	.0	.0	.0
250093	0	0	39.0	3.0	30.0	44.0	11.0	.0	.0	.0	.0	.0
250094	0	0	292.0	7.0	83.0	46.0	21.0	.0	.0	.0	.0	.0
250095	0	0	33.0	5.0	29.0	27.0	12.0	1.0	.0	.0	.0	.0
250096	0	0	146.0	13.0	173.0	72.0	23.0	1.0	.0	.0	.0	.0
250097	0	0	72.0	8.0	104.0	76.0	26.0	.0	.0	.0	.0	.0
250098	0	0	61.0	4.0	38.0	44.0	20.0	2.0	.0	.0	.0	.0
250099	0	0	29.0	6.0	42.0	40.0	16.0	.0	.0	.0	.0	.0
250100	0	0	12.0	6.0	22.0	14.0	7.0	.0	.0	.0	.0	.0
250101	0	0	10.0	2.0	25.0	19.0	2.0	1.0	9.0	.0	.0	.0
250102	0	0	14.0	12.0	52.0	14.0	5.0	.0	.0	.0	.0	.0

127 PROSPEKTERINGSABDELINGEN

128 KOPSE HYDRO

129

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131 FILNAVN : POPSLEK

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BEKKSESEDIMENTET FRA POPSANGER

BEKKSESEDIMENTET

ANTALL PROVER : 209

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

187

188

189

6

190 PROSPEKTERINGS-AVDELINGEN
191 NORSK HYDRO

OMRÅDE NAVN :

NR : 0

BEKKESSEDIMENTER FRA PORSÅNGER

194 FILNAVN : PORSBEK

ANTALL PRØVER : 209

BEKKESSEDIMENTER												
PRØVE	X-KOORD	Y-KOORD	CU PPM	PB PPM	ZN PPM	NI PPM	CO PPM	AS PPM	AU PPM	BI PPM	AG PPM	W PPM
199	250154	0	0	18.0	16.0	34.0	18.0	14.0	.0	.0	.0	.0
200	250155	0	0	107.0	18.0	58.0	35.0	17.0	2.0	.0	.0	.0
201	250156	0	0	30.0	12.0	33.0	25.0	15.0	1.0	.0	.0	.0
202	250157	0	0	53.0	11.0	64.0	30.0	12.0	1.0	16.0	.0	.0
203	250158	0	0	53.0	16.0	52.0	48.0	22.0	.0	.0	.0	.0
204	250159	0	0	88.0	11.0	94.0	48.0	12.0	1.0	.0	.0	.0
205	250160	0	0	114.0	12.0	110.0	70.0	22.0	2.0	.0	.0	.0
206	250161	0	0	56.0	11.0	65.0	35.0	14.0	1.0	.0	.0	.0
207	250162	0	0	63.0	15.0	49.0	41.0	24.0	1.0	67.0	.0	.0
208	250163	0	0	103.0	14.0	64.0	31.0	20.0	1.0	.0	.0	.0
209	250164	0	0	109.0	12.0	63.0	46.0	22.0	1.0	.0	.0	.0
210	250165	0	0	163.0	4.0	44.0	36.0	15.0	2.0	.0	.0	.0
211	250166	0	0	45.0	9.0	52.0	29.0	13.0	1.0	.0	.0	.0
212	250167	0	0	215.0	12.0	227.0	93.0	40.0	2.0	.0	.0	.0
213	250168	0	0	121.0	11.0	47.0	33.0	20.0	1.0	.0	.0	.0
214	250169	0	0	108.0	10.0	92.0	73.0	21.0	2.0	.0	.0	.0
215	250170	0	0	179.0	6.0	40.0	34.0	22.0	1.0	.0	.0	.0
216	250171	0	0	19.0	4.0	19.0	16.0	7.0	.0	.0	.0	.0
217	250172	0	0	102.0	11.0	30.0	44.0	14.0	.0	.0	.0	.0
218	250173	0	0	23.0	13.0	28.0	14.0	7.0	1.0	.0	.0	.0
219	250174	0	0	41.0	12.0	37.0	37.0	14.0	1.0	.0	.0	.0
220	250175	0	0	32.0	11.0	21.0	19.0	11.0	.0	.0	.0	.0
221	250176	0	0	66.0	16.0	74.0	49.0	14.0	.0	.0	.0	.0
222	250177	0	0	10.0	11.0	10.0	8.0	3.0	1.0	.0	.0	.0
223	250178	0	0	22.0	12.0	31.0	19.0	8.0	.0	.0	.0	.0
224	250179	0	0	10.0	9.0	11.0	14.0	5.0	1.0	.0	.0	.0
225	250180	0	0	89.0	24.0	139.0	136.0	29.0	3.0	.0	.0	.0
226	250181	0	0	8.0	8.0	17.0	11.0	3.0	1.0	.0	.0	.0
227	250182	0	0	56.0	18.0	72.0	247.0	30.0	1.0	.0	.0	.0
228	250183	0	0	10.0	12.0	24.0	15.0	6.0	2.0	.0	.0	.0
229	250184	0	0	204.0	18.0	98.0	57.0	16.0	1.0	.0	.0	.0
230	250185	0	0	126.0	14.0	74.0	40.0	12.0	.0	.0	.0	.0
231	250186	0	0	602.0	22.0	73.0	101.0	13.0	4.0	.0	.0	.0
232	250187	0	0	22.0	9.0	44.0	18.0	10.0	.0	.0	.0	.0
233	250188	0	0	47.0	18.0	93.0	43.0	10.0	2.0	.0	.0	.0
234	250189	0	0	49.0	13.0	61.0	35.0	9.0	2.0	.0	.0	.0
235	250190	0	0	27.0	10.0	73.0	28.0	16.0	3.0	.0	.0	.0
236	250191	0	0	39.0	9.0	75.0	34.0	10.0	1.0	.0	.0	.0
237	250192	0	0	22.0	4.0	22.0	18.0	9.0	.0	.0	.0	.0
238	250193	0	0	72.0	5.0	130.0	68.0	15.0	.0	.0	.0	.0
239	250194	0	0	44.0	12.0	102.0	39.0	12.0	1.0	.0	.0	.0
240	250195	0	0	103.0	7.0	233.0	62.0	22.0	4.0	.0	.0	.0
241	250196	0	0	10.0	9.0	13.0	8.0	2.0	1.0	.0	.0	.0
242	250197	0	0	52.0	11.0	46.0	60.0	10.0	1.0	.0	.0	.0
243	250198	0	0	72.0	10.0	31.0	17.0	19.0	.0	.0	.0	.0
244	250199	0	0	196.0	16.0	75.0	115.0	26.0	2.0	.0	.0	.0
245	250200	0	0	26.0	9.0	39.0	34.0	9.0	1.0	.0	.0	.0
246	250201	0	0	19.0	12.0	21.0	9.0	5.0	.0	.0	.0	.0
247	250202	0	0	22.0	8.0	19.0	9.0	4.0	.0	.0	.0	.0
248	250203	0	0	22.0	10.0	25.0	20.0	4.0	1.0	.0	.0	.0
249	250204	0	0	79.0	6.0	14.0	81.0	10.0	2.0	12.0	.0	.0

250

251

252

253 PROSPEKTERINGSAVDELINGEN

MRDE NAVN :

NR :

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

FILMNAVN : PORSSAM

ANTALL PRØVER : 100

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
8	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
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	6.0	6.0	36.0	35.0	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	8.0	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	25.0	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	26.0
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	8.0	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	8.0	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	8.0	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	16.0	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	83.0	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	60.0	112.0	15.0	8.0	49.0	62.0	118.0	95.0	25.0	20.0

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64 PROSPEKTERINGS-AVDELINGEN
65 KOPSK HYDRO

OMRÅDE NAVN : PORSÅNGER

NR : 25

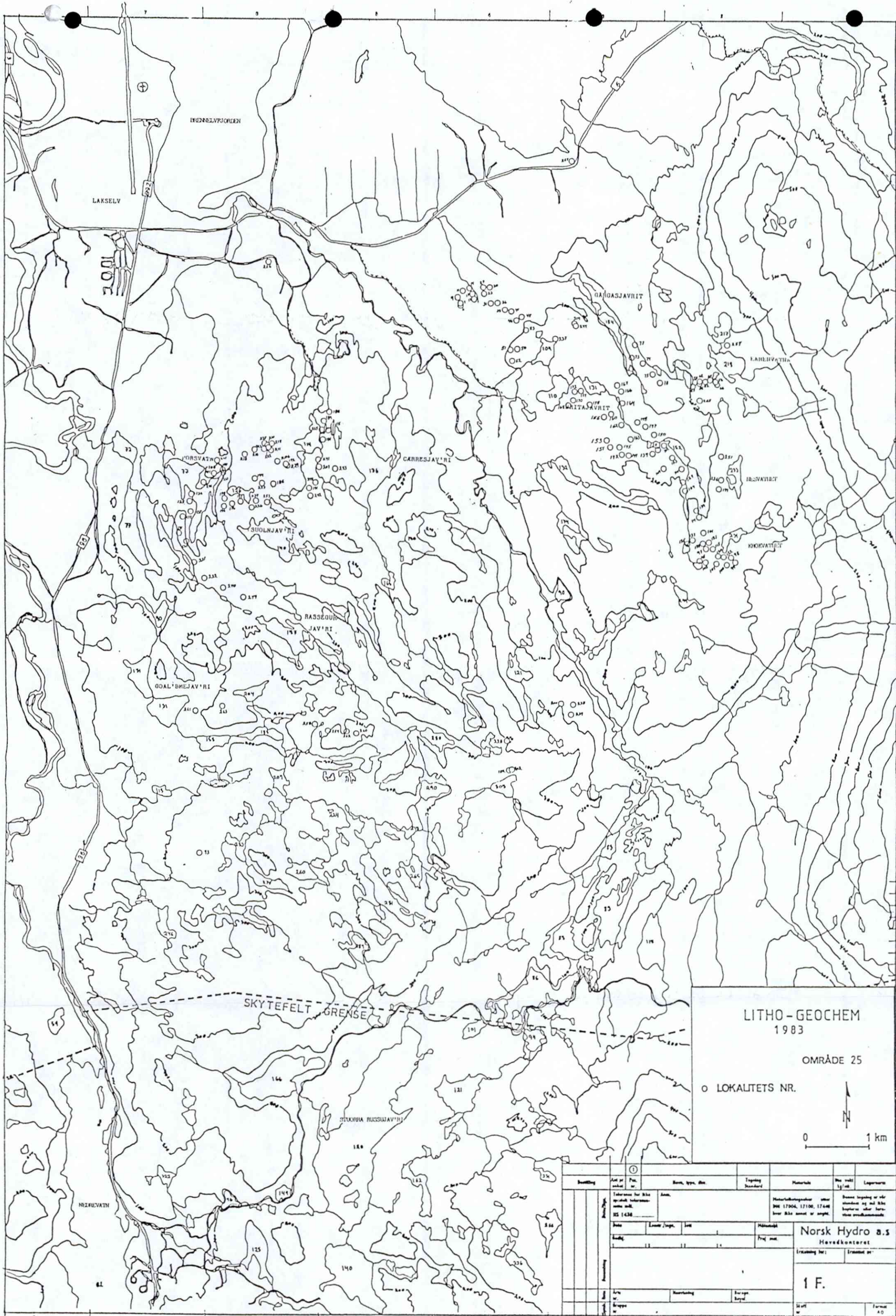
SAMMENLIKNING KORNFRAKSJONER

67
68 FILNAVN : PORSÅN

ANTALL PRØVER : 100

69
70 BEKKESEDIMENTET

71	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
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	35.0	7.0	7.0	40.0	32.0	106.0	63.0	10.0	15.0
80	250122	0	0	138.0	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	9.0	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	22.0	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	5.0	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	9.0	11.0	159.0	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	43.0	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

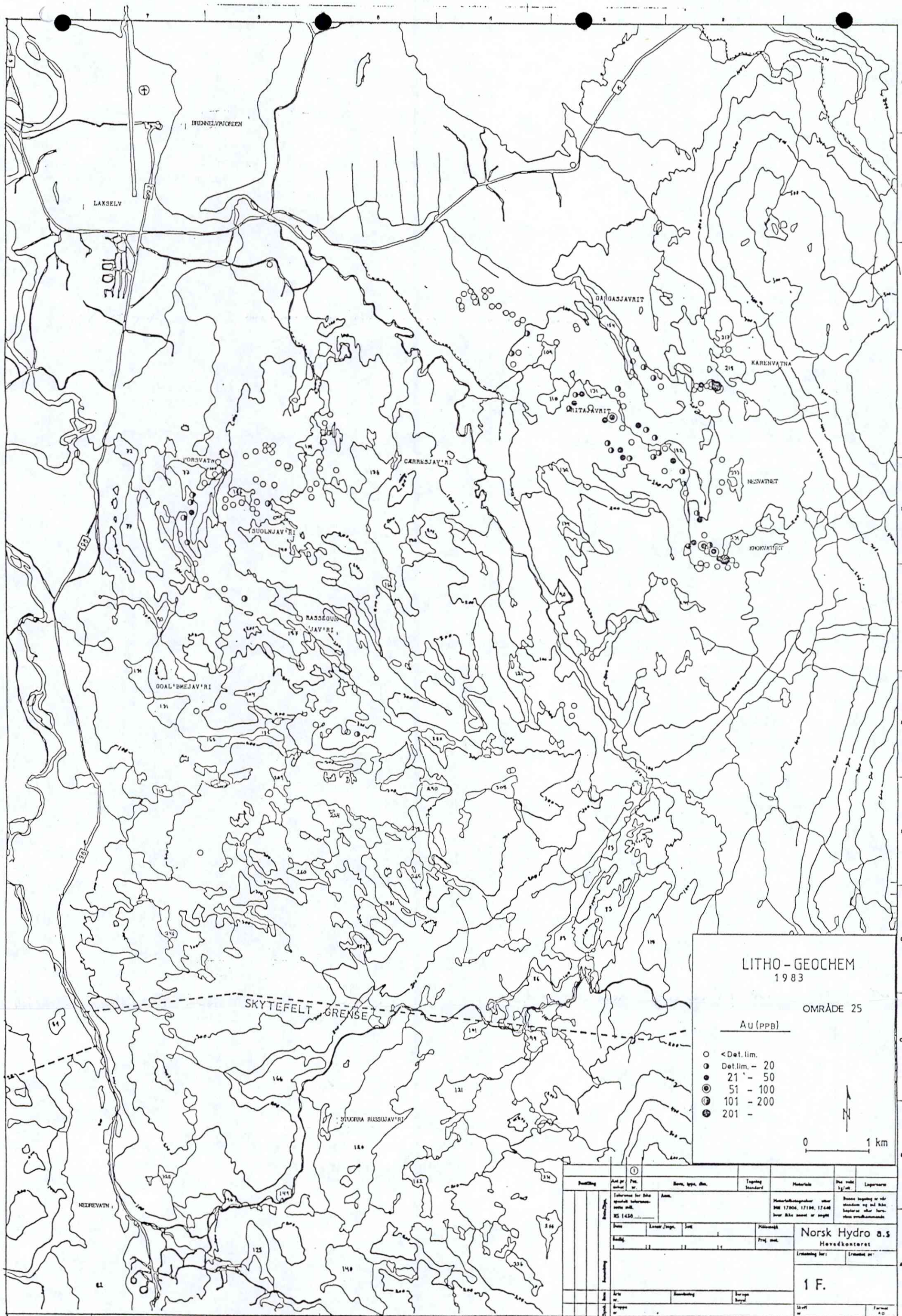
OMRÅDE 25

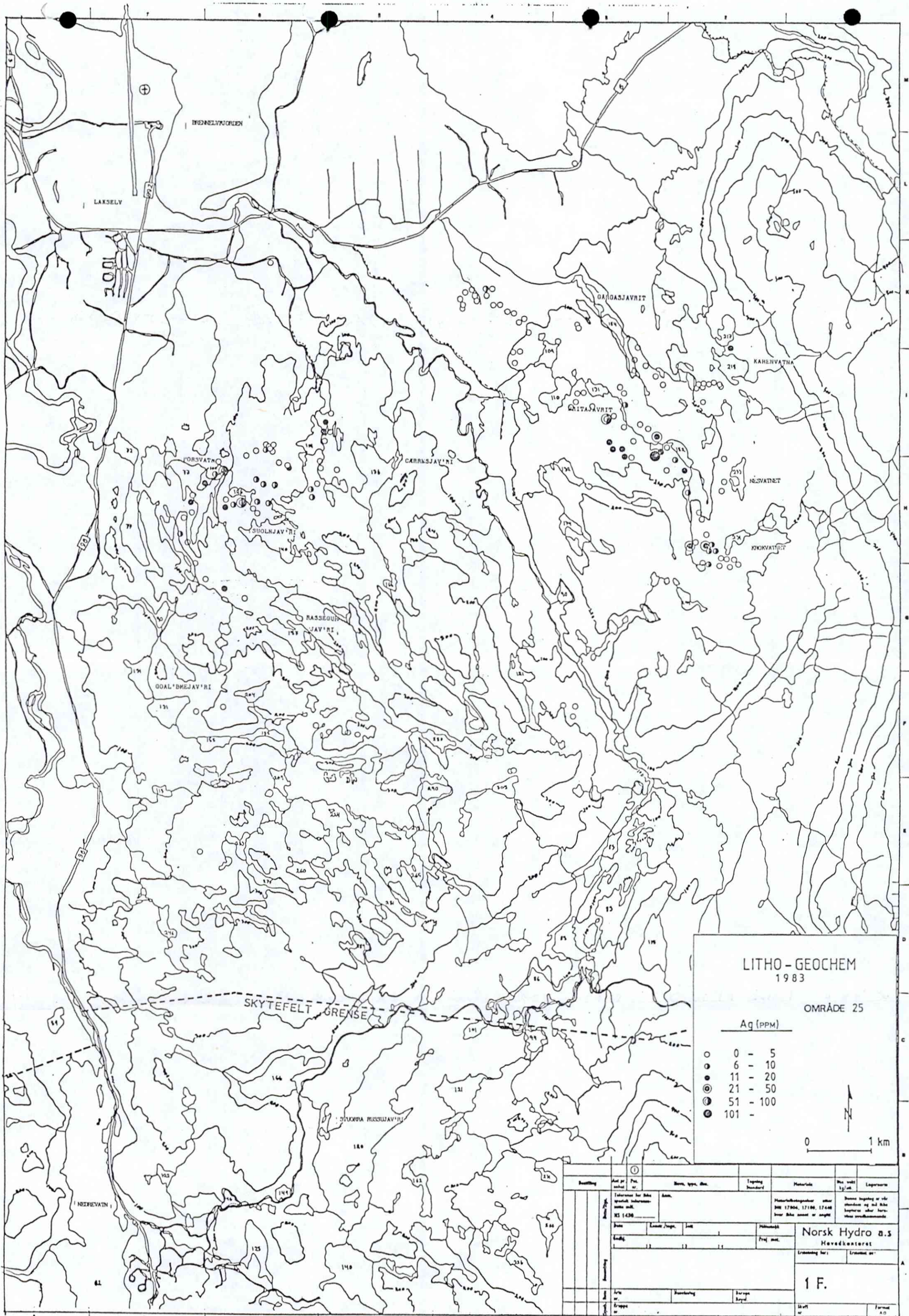
○ LOKALITETS NR.

0 1 km

N

Sted	Art og antal	Fas. nr.	Navn, type, etc.	Tegning Skala	Materialer	Obs. vedt kg/ml	Lagerstatus
Tekst for ikke spesifikk informasjon om art. US 1438			Navn Type Løst / fast Løst 11 11 11	Tegning Prof. mot	Materialer Materialer 17004, 17100, 17400 eller ikke annet er angitt.	Obs. vedt eller 17004, 17100, 17400 eller ikke annet er angitt.	Lagerstatus eller 17004, 17100, 17400 eller ikke annet er angitt.
Norsk Hydro a.s. Hovedkontoret				1 F.			





LITHO - GEOCHEM
1983

OMRÅDE 25

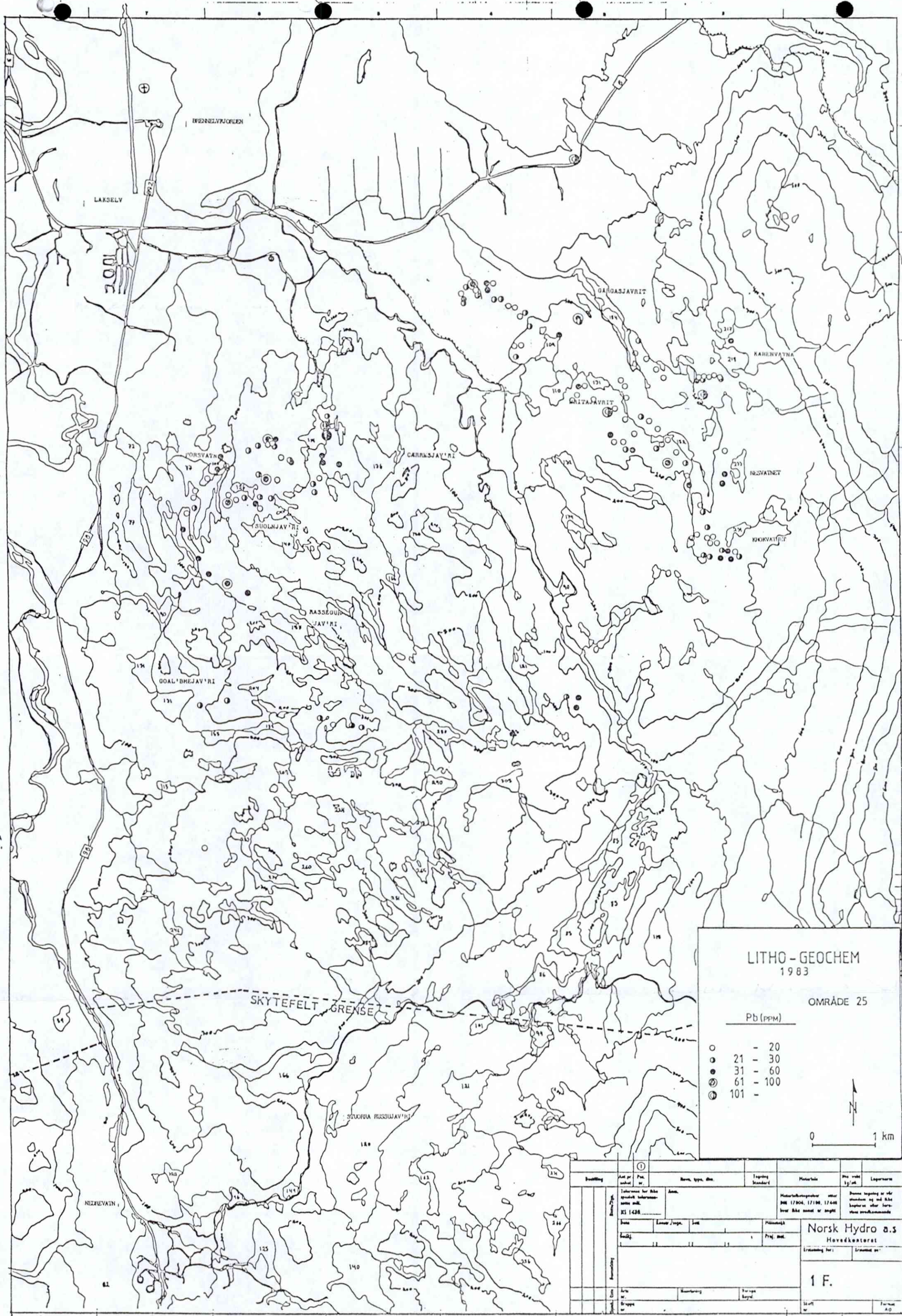
Ag (ppm)

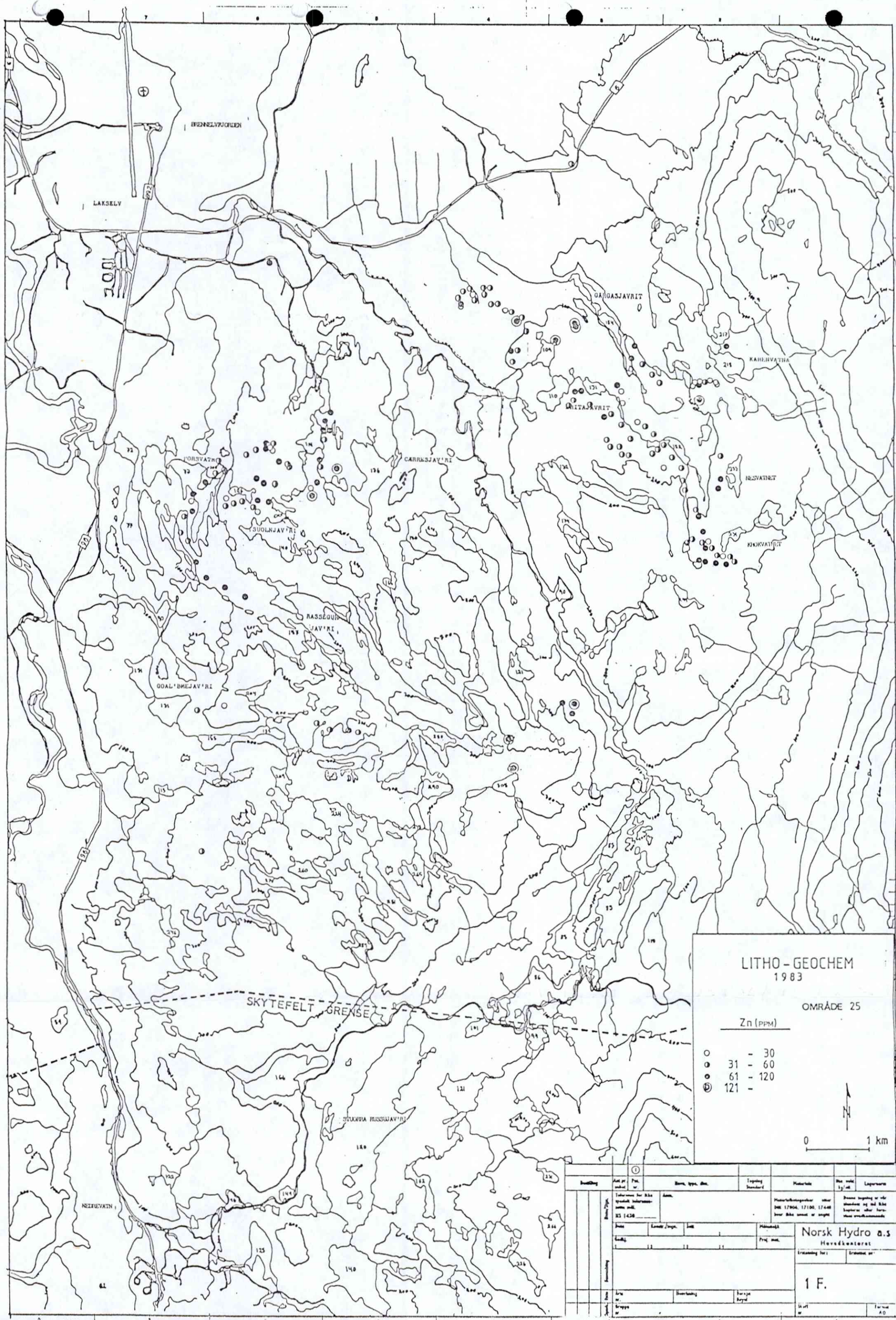
○	0 - 5
●	6 - 10
⊙	11 - 20
⊗	21 - 50
⊕	51 - 100
⊗	101 -

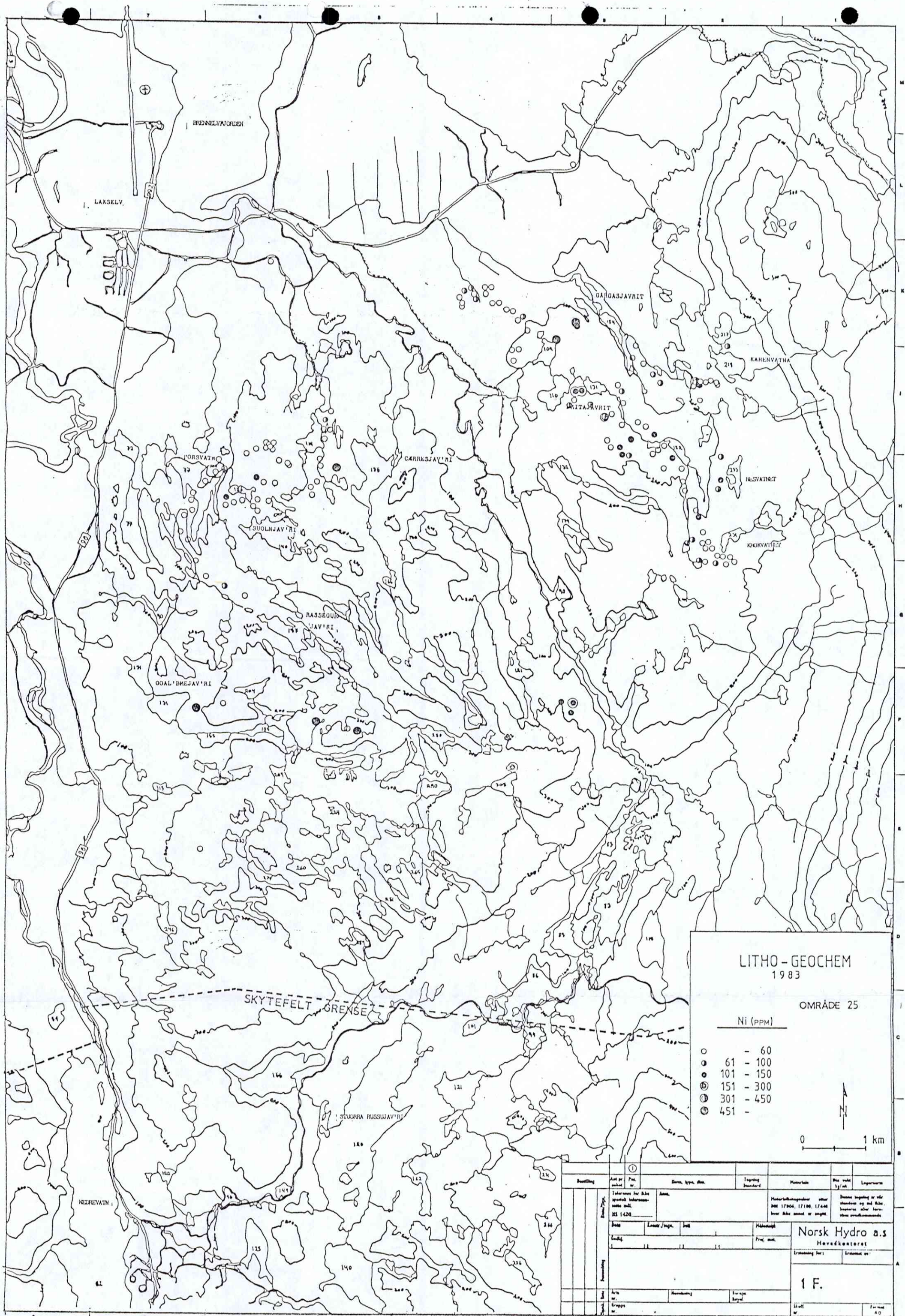
N

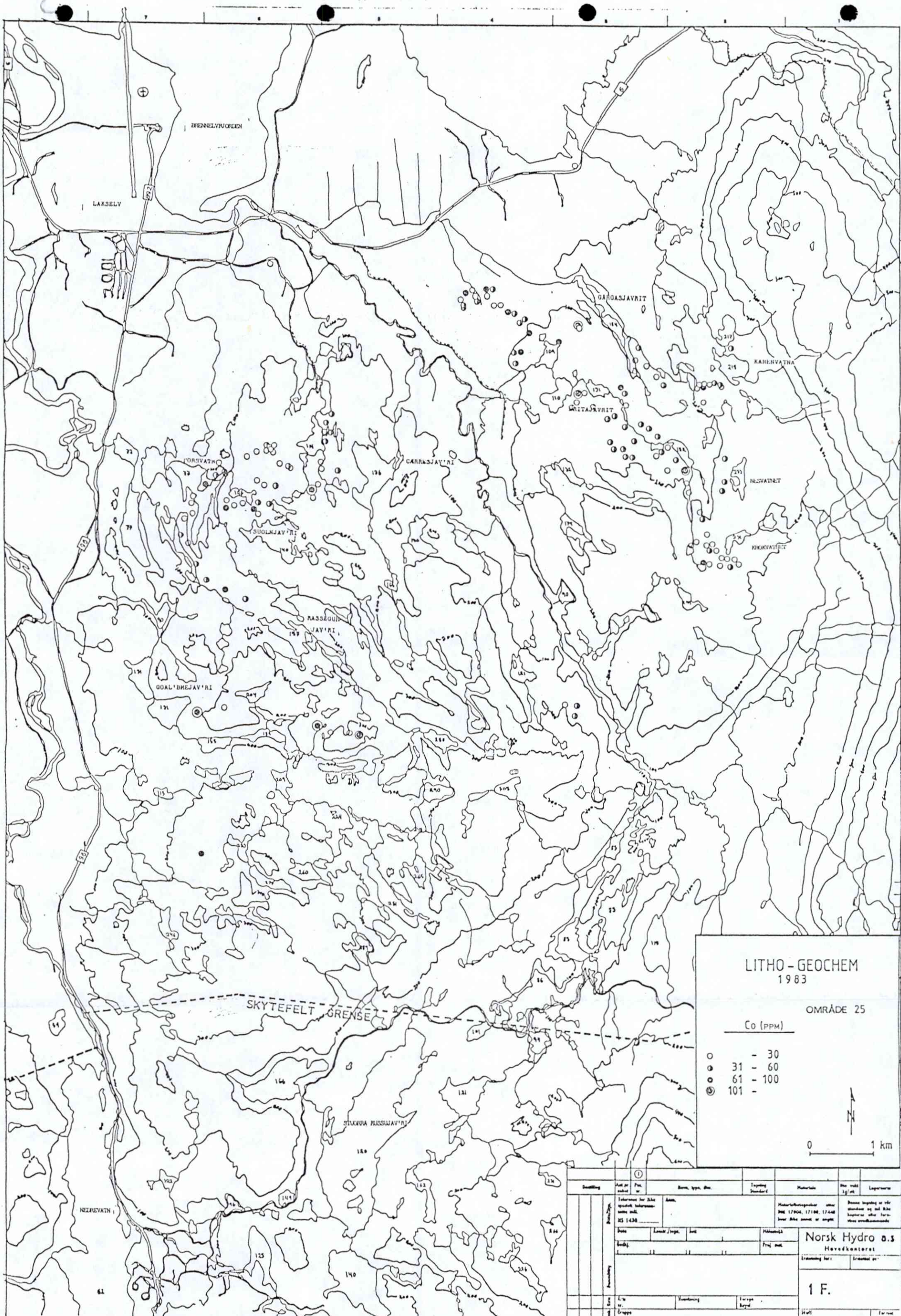
0 1 km

Bemærkning	Antal pr. analyse	Fot. nr.	Bem. type, dim.	Tegning	Material	Hvis vekt 1 g/m ³	Lagertid
Toleranser for ikke spesifikke indholdsmålinger K1 1438			Ant.		Hovedkontrollpunkt eller K1 17804, 17186, 17448 eller ikke anført er angivet		Denne tegning er et skitse og må ikke bruges til andre formål uden tilladelse
Navn		Løsn. type, ant.		Håndtegning		Norsk Hydro a.s. Hovedkontoret	
Dato		Proj. ant.		Udarbejdet af:		1 F.	
Grupper		Håndtegning		Tegning		Udarbejdet af:	
Grupper		Håndtegning		Tegning		Udarbejdet af:	









LITHO - GEOCHEM 1983

OMRÅDE 25

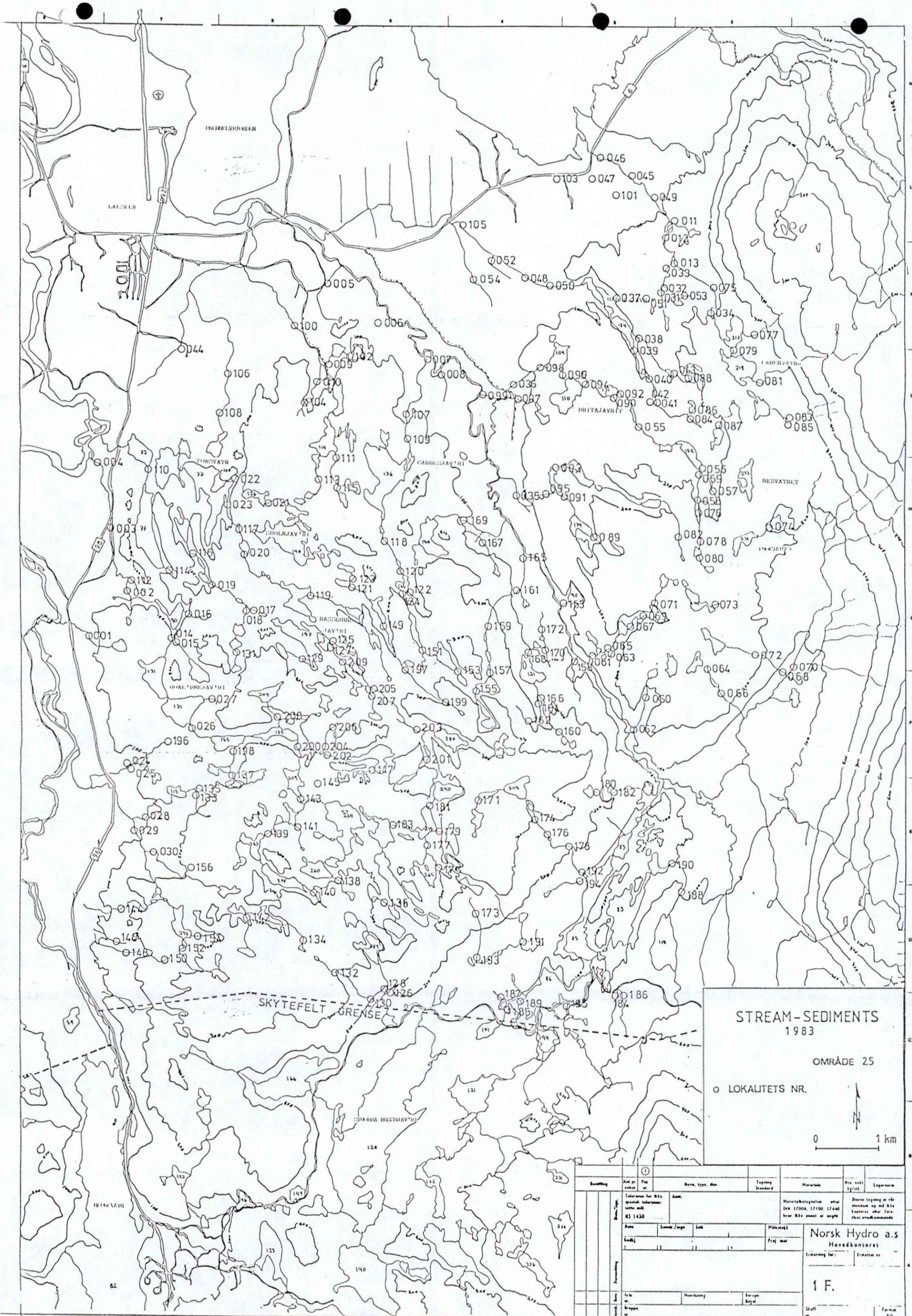
Co (PPM)

- - 30
- - 31 - 60
- ⊙ - 61 - 100
- ⊗ - 101 -



0 1 km

Drilling	Alt per meter	Pos. nr	Born, type, etc.	Typing	Material	How well	Logbook
Tolerances for this special tolerance				Material/typography		Borehole logging or other	
name with				Date 17/04, 17/06, 17/68		standards of soil like	
NS 1438				Borehole depth or depth		Borehole depth or other	
Depth	Length / type	Age	Material	Proj. no.	Norsk Hydro a.s.		
Bedrock					Hovedkontor		
					Erstatning for:		
					Erstatning av:		
					1 F.		
					Furue		
					A0		



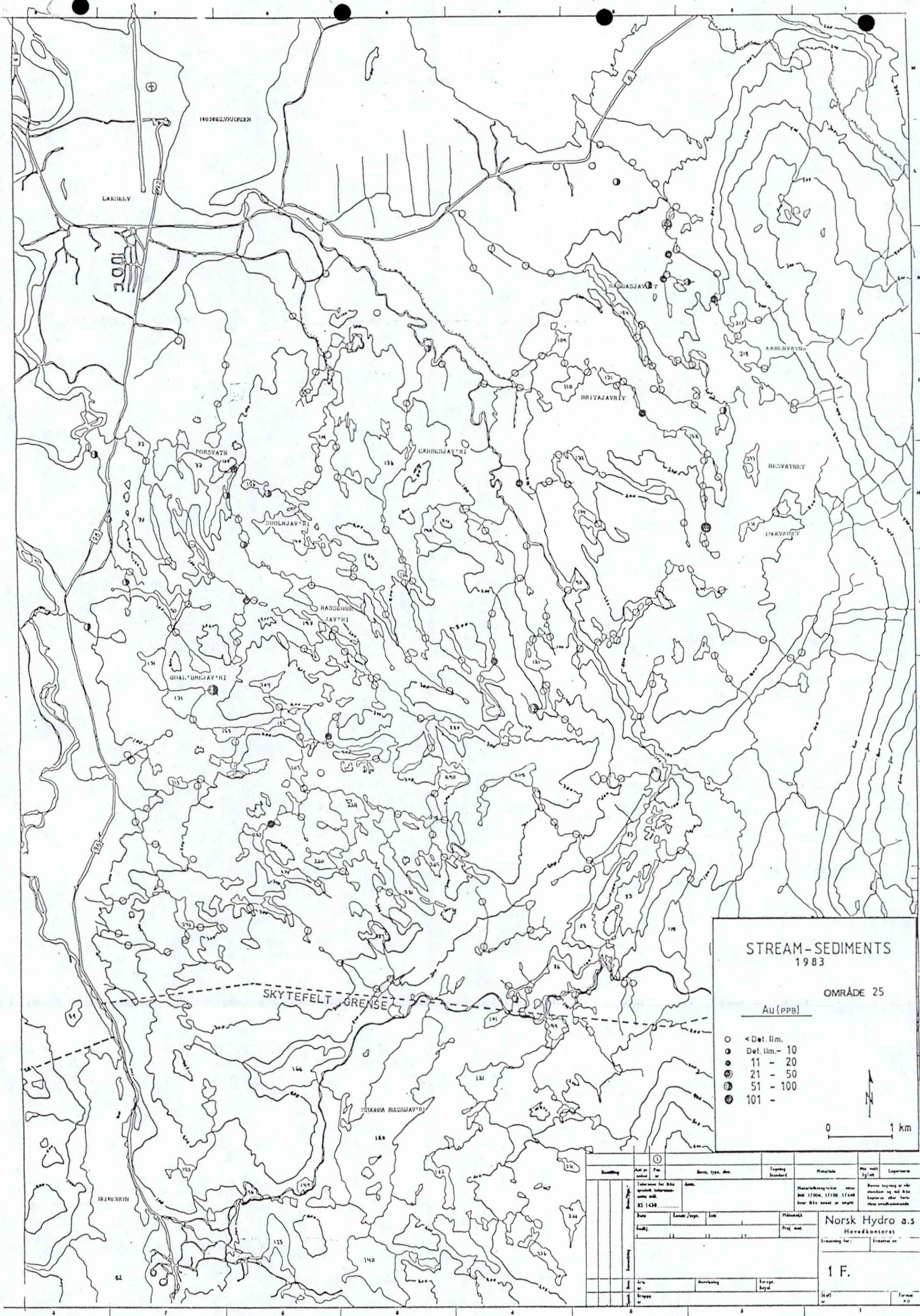
STREAM-SEDIMENTS
1983

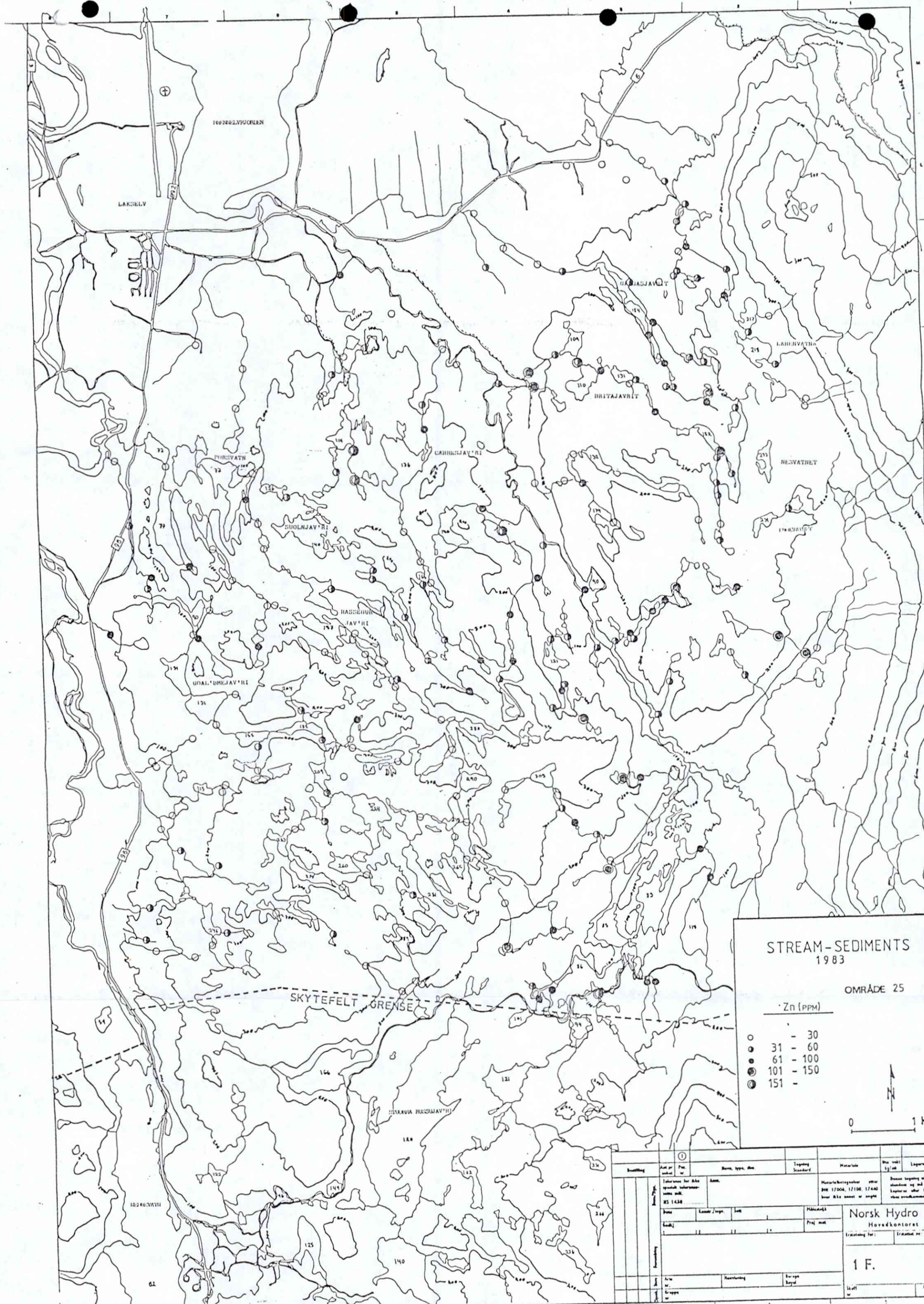
OMRÅDE 25

○ LOKALITETS NR.

0 1 km

Beskrivelse	Antall pr. punkt	Fot. nr.	Norm. type, dim.	Tegning Standard	Materialer	Ris. vekt. 1/100	Logaritm.
Tilførsel for Rike		Ann.		Materialteknisk		Dokumentasjon av risiko	
spesialt tilførsel				DKN 17004, 17100, 17440		Dokumentasjon av risiko	
samtale med				DKN 17004, 17100, 17440		Dokumentasjon av risiko	
N1 1430				DKN 17004, 17100, 17440		Dokumentasjon av risiko	
Dato	Sted	Land	Sted	Sted	Norsk Hydro a.s.		
					Hovedkontoret		
					Innledning for:		
					1 F.		
					Stoff		
					Form		





STREAM-SEDIMENTS 1983

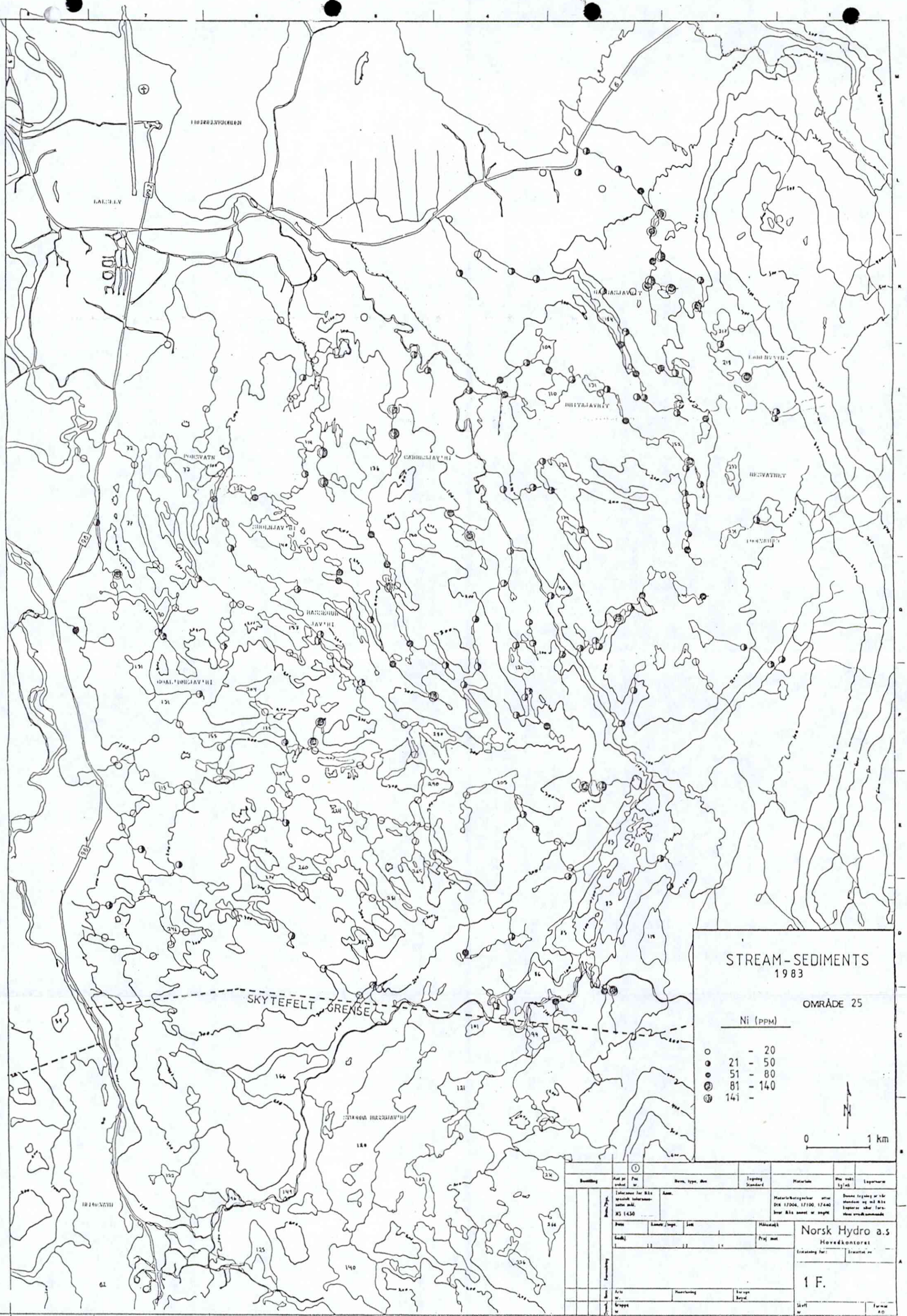
OMRÅDE 25

Zn (PPM)

- - 30
- 31 - 60
- 61 - 100
- 101 - 150
- 151 -

0 1 km

Samling	Antall pr. punkt	Pkt. nr.	Bakgr. oppg. dato	Tegning	Materiale	Pro. vekt	Laborant
Toleransen for ikke spresede undersøkelses punkter		Antall		Materialebeskrivelse etter DIN 17004, 17100, 17440		Bakgr. legning av vekt	
K1 1434				Bakgr. legning av vekt		Bakgr. legning av vekt	
Bakgr.	Samling	Samling	Samling	Samling	Samling	Samling	Samling
Norsk Hydro a.s.				Hovedkontoret			
1 F.							



PORSANGER, O.nr. 20943

KOSTNADSOVERSIKT 1983

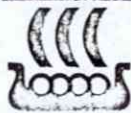
. Arbeidsytelser eget personell	kr. 214.240.-
. Reiser eget personell inkl. leiebiler	" 107.991.43
. Feltassistenter, lønn, reiser, diett	" 104.001.04
. Div. utgifter	" <u>97.866.51</u>

SUM PORSANGER 1983

kr. 524.098.98

FORDELING:

Norsk Hydro a.s 55%	kr. 288.254.44
BP Norge A.S Minerals, 45%	" 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

Grønn

(51)

☐ Rapport	☐ Notat	☐ Referat	☐ PM	Polydoc nr. (NR)	760	Arkivnr. (BI)	F.12.20.00
Rapport nr.		Eksemplar nr.		Antall sider (BI)		Arkivsted (BI)	Lo
Sirkulasjon		Førteklipp		Tittel (TI) Oversikt over geofysikk utført i 1982.			
				Division	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 medgatte 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	<u>kr.26100</u>

Kostnad pr. profilkm. komb. gradient - dipol-dipol kr. 2150,-

Magnetiske målinger

Målte profilkilometer: 82
 Antall målepunkter: 3300
 Antall medgatte 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	<u>kr.31400</u>

Kostnad pr. profilkilometer.....kr. 383.-

ØDEMARK - NORDLIIP - RP målinger

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

Antall målepunkter: Gradient: 1700 Dipol-dipol: 400

Antall kabelutlegg gradient: 11

Antall medgåtte 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. 82100Kostnad pr. profilkm. komb. gradient - dipol-dipol kr. 2050.-Magnetiske målinger

Målte profilkilometer: 72,2

Antall målepunkter: 3500

Antall medgåtte dagsverk: 20

Kostnader:

Avskrivning av instrumeneter.....kr. 4000

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

Forbruksartikler.....kr. 200

Sum kr. 24200Kostnad 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. 3000

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. 2203,-

Magnetiske målinger

Totalt antall målte profilkilometer: 242,-

Total kostnad: 496.300,-

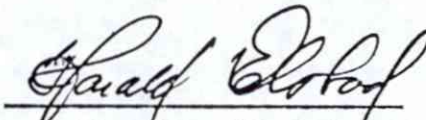
Gjennomsnittskostnad pr. profilkilometer.....kr. 392,-

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