

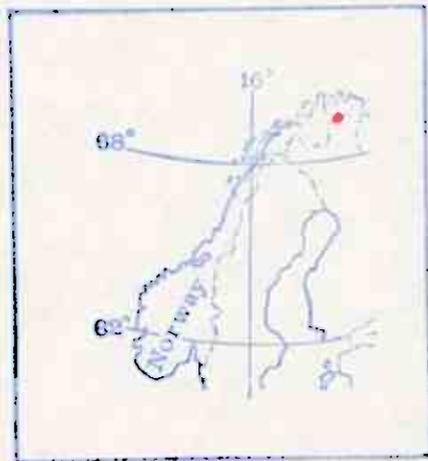
FOR FALCONBRIDGE NIKKELVERK A/S
A/S SULFIDMALM

Salgganjokka, Masi: diamond
drilling 1975

By

R. B. Band

E. Kreivi



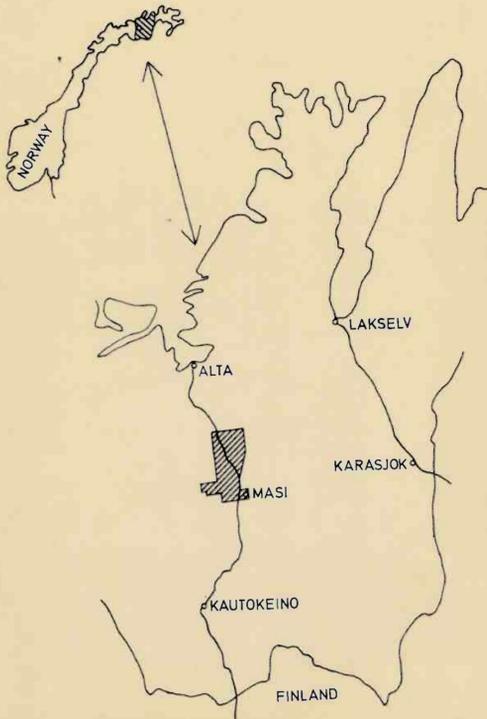
SUMMARY AND
CONCLUSIONS

1. SUMMARY AND CONCLUSIONS

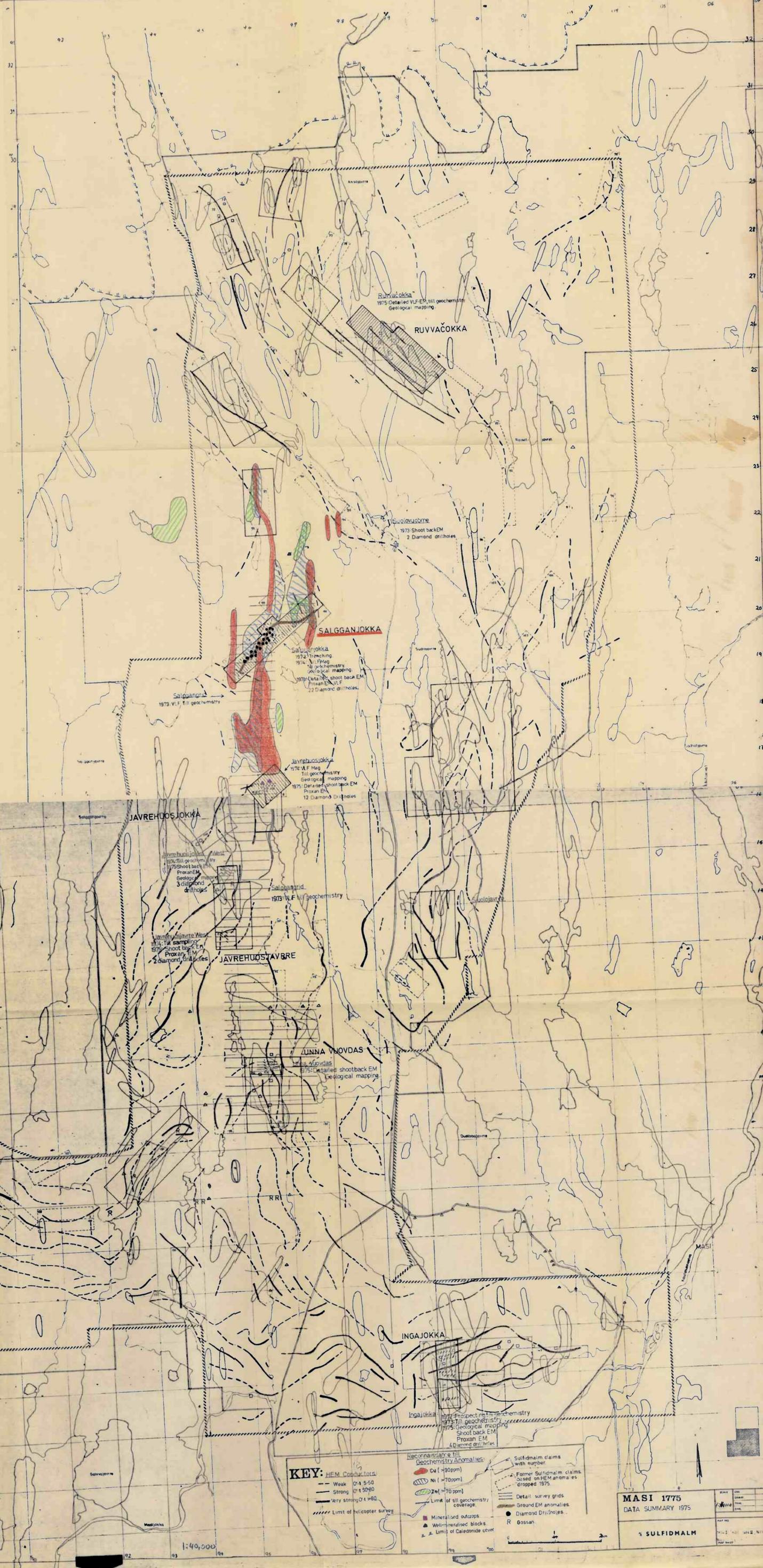
The Salgganjokka copper showing was discovered in the banks of the Salgganjokka river in 1973, during the course of the first phase of the Masi reconnaissance prospecting programme. Percussion drill dust samples from the bottom of a trench over the mineralization gave an average assay of 1.21% Cu over 11 m. Detailed geophysical surveys showed that the exposed mineralization is connected to a strong conducting zone, with a strike length of more than 2000 m (Rpt. 277/17/73, 336/17/74). Fig. 1 shows the location of the Salgganjokka grid in relation to other targets in the Masi area.

In 1975 22 diamond drill holes with a combined length of 538 m were drilled to test the Salgganjokka anomaly. Drilling was concentrated in the vicinity of the mineralized showing, but the conducting zone was also probed along a strike length of 1000 m. Fig. 2 summarizes the geophysical, geochemical and drilling results for the Salgganjokka locality. Copper mineralization was intersected during the drilling, with values up to 2.41% Cu over 0.50 m. High copper values are erratically distributed however, and confined to the immediate vicinity of the original mineralized discovery. The best intersection (DDH 5W/7s) showed an 8 m wide graphitic horizon, carrying 50-70% sulphide (pyrrhotite and pyrite in varying proportions) within which there was a narrow chalcopyrite-enriched section, averaging 0.9% Cu, 0.12% Ni over 4.00 m. The mineralized graphite horizon occurs within an acid volcanic unit, varying in thickness from 5- > 30 m. This acid volcanic unit is dominantly pyroclastic and is intercolated in a thick basic volcanic sequence.

The combination of detailed geophysics, surface geology and diamond drilling has shown that copper mineralization at Salgganjokka is confined to the hinge zone of a gently plunging syncline. Elsewhere in the conducting zone mineralization consists of pyrite and/or pyrrhotite with only traces of chalcopyrite. It is concluded that while the copper content of the Salgganjokka mineralization is locally high, the dimensions of the structurally controlled copper-rich section are too small to be of economic interest.



UNDERSÖKT 1975
 PLANLAGT UNDERSÖKT 1976



KEY:

<p>HEM Conductivity</p> <p>Weak (0.4-5.0)</p> <p>Strong (7-15.0)</p> <p>Very strong (17-80)</p> <p>Limit of helicopter survey</p>	<p>Reconnaissance till Geochemistry Anomalies</p> <p>Cu (>100ppm)</p> <p>Ni (>70ppm)</p> <p>Zn (>70ppm)</p> <p>Limit of till geochemistry coverage</p> <p>Mineralized outcrop</p> <p>Value-revised blocks</p> <p>Limit of Caledonide cover</p>	<p>Sulfidation claims with number</p> <p>Former Sulfidation claims based on HEM anomalies dropped 1975</p> <p>Detail survey grids</p> <p>Ground EM anomalies</p> <p>Diamond Drillholes</p> <p>R Bossan</p>
---	---	--

MASI 1775
 DATA SUMMARY 1975
 SULFIDMALM

1:40,000

200w 100w 100E 200E 300E

2500 N

2400 N

2300 N

2200 N

2100 N

2000 N

1900 N

1800 N

1700 N

4^m Acid pyroclastic diss. py-po
Best assay 2.0% Cu, 0.35% Ni

5^m Graphite-po horizon, 50-70% po
Best assays 3.6% Cu, 0.30% Ni
3^m Qtz-keratophyre 30% po

1^m Graphite-sulphide horizon, 70% po
Best assays 4.6% Cu, 0.29% Ni

3^m Graphite-py horizon, 70-80% py
Best assays 0.8% Cu, 0.43% Ni

2^m Albite fels. 20% py. Best assay 7.2% Cu, 0.20% Ni
6^m Graphite, py, py breccia, average 3.9% Cu, 0.13% Ni

5^m Graphite sulphide horizon, py-po cp breccia
Best assay 5.8% Cu, 0.18% Ni
Average (25m) 4.7% Cu, 0.27% Ni

TRENCH EXCAVATED 1973
Average value 12.1% Cu over 11m

5^m Graphite sulphide horizon 30-50% py
Best assay 4.4% Cu, 0.27% Ni

3^m Acid pyroclastic 30% py

5^m Graphite-sulphide horizon 40-60% po
Best assays 6.4% Cu, 0.12% Ni
average 4.5% Cu, 0.10% Ni (2^m)

4^m Graphite py-po horizon
Best assays 8.1% Cu, 0.67% Ni
Average 3.4% Cu, 0.3% Ni (5m)

27^m Acid pyroclastics minor py

6^m Acid pyroclastic 5% py cp
Best assay 1.0% Cu, 0.10% Ni

0^m Graphite pybreccia

5^m Graphite sulphide horizon
Best assay 2.4% Cu, 0.20% Ni
Average (4m) 0.89% Cu, 0.12% Ni

1^m Graphite sulphide breccia
Best assay 0.10% Cu, 0.17% Ni

2^m Qtz-keratophyre 50% py
0^m Graphite-sulphide horizon 60% py
3^m Qtz-keratophyre 30% py

3^m Qtz-keratophyre minor py breccia bands

3^m Qtz-keratophyre minor py-breccia

5^m Qtz-keratophyre 10-20% py

7^m Qtz-keratophyre including 2^m pybreccia

0^m Graphite-po-py breccia

KEY:

Conductor trace (shoot-back EM)

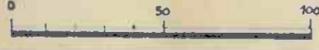
Till geochemistry anomaly:

150ppm Cu
>300ppm Cu

mineralized outcrop
block
pyrrhotite
pyrite
chalcopyrite
minor chalcopyrite

Outcrop graphite schist
Qtzite/Qtz keratophyre
Albite carbonate rock
Amphibolite
Greenschist

o12s Diamond drillhole (NGU contact)
o1w (Winkler drill)
● Diamond drillhole with best assay >1.00% Cu
13^m mineralised intersection width



SALGGANJOKKA

Data Summary 1975.

SCALE	1:200	DATE	EK 1975
MAP NO.		DATE	BBB 1976
MAP SHEET		DATE	BBB

% SULFIDMALM

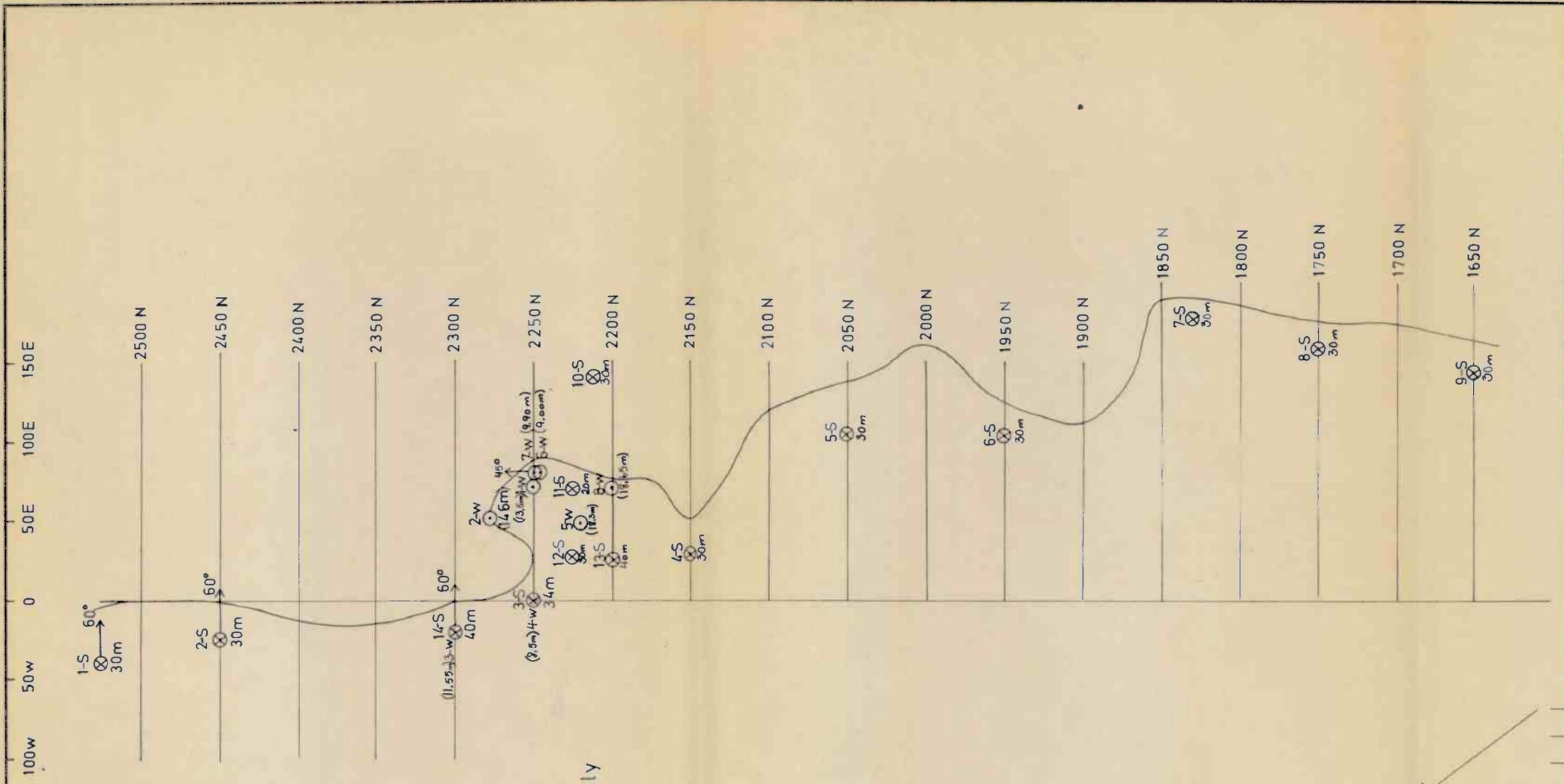
DAILY PROCEEDINGS
AND RESULTS

2. DRILLING PROCEDURES AND RESULTS

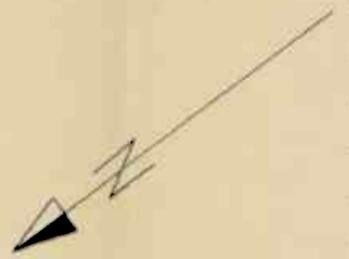
The Salgganjokka drill programme was carried out in part using Sulfidmalm's light-weight Winkie drill and in part by NGU on a contract basis. NGU completed 14 diamond drill holes for a total of 434 m in the period 13/8 - 11/9/75. The Winkie machine drilled 104 m in 8 holes in the period 14/6 - 25/7 1975. The drilling programme was supervised by E. Kreivi. The majority of core samples were analysed at Falconbridge Kristiansand for Ni and Cu. Selected samples were sent to Outokumpu for analysis for Ni, Cu, Co, Zn, Pb, Ag, S and (Au). Drilling results are summarized in fig. 2. Detailed drill sections are given in figs. 4-18. Drill logs and assay results are presented in Appendix I.

The drilling programme has shown that copper mineralization is confined to the hinge zone of a gently plunging syncline, fortuitously exposed at the Salgganjokka showing. Elsewhere along the conducting zone mineralization consists of pyrite and/or pyrrhotite with only traces of chalcopyrite. DDH 5W, 12S and 13S were sited to test the down-plunge extension of the copper-rich section. As can be seen from fig 2

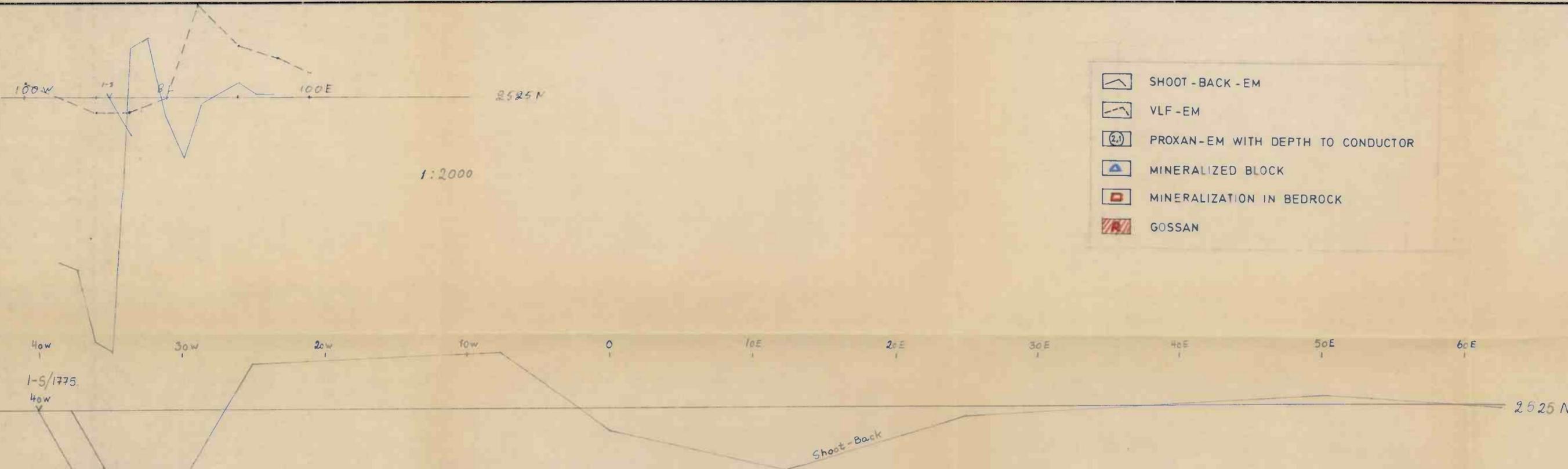
the thickness of the mineralized intersection decreases rapidly down-plunge. The dimensions of the structurally controlled copper-rich section are too small to be of economic interest.



KEY:
 ⊗ NGU-drilling
 ⊙ Winkie-drilling
 ~ Shoot-Back-anomaly

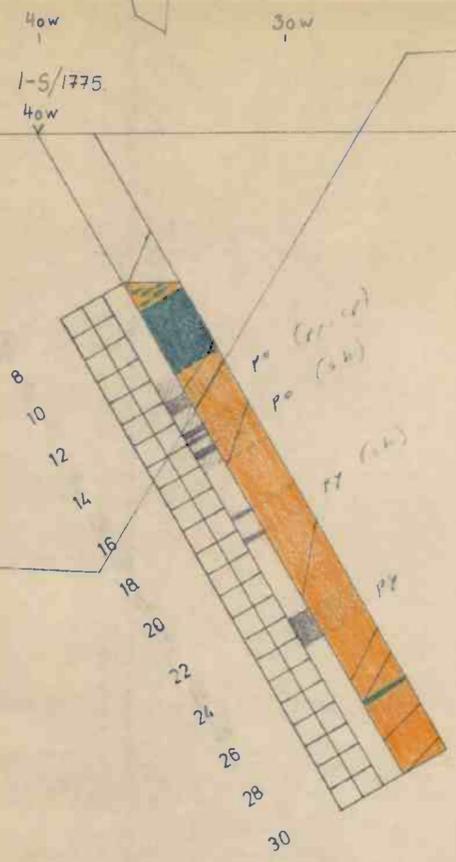


MASI 1775 SALGGANJOKKA.	SCALE	OBS.	EK	9-75
	1:2500	DRAW.	EK	9-75
TRAC.		BB	10-75	
CHK.		EK	10-75	
$\frac{1}{2}$ SULFIDMALM	MAP NO.	362/75/17		
	MAP SHEET			

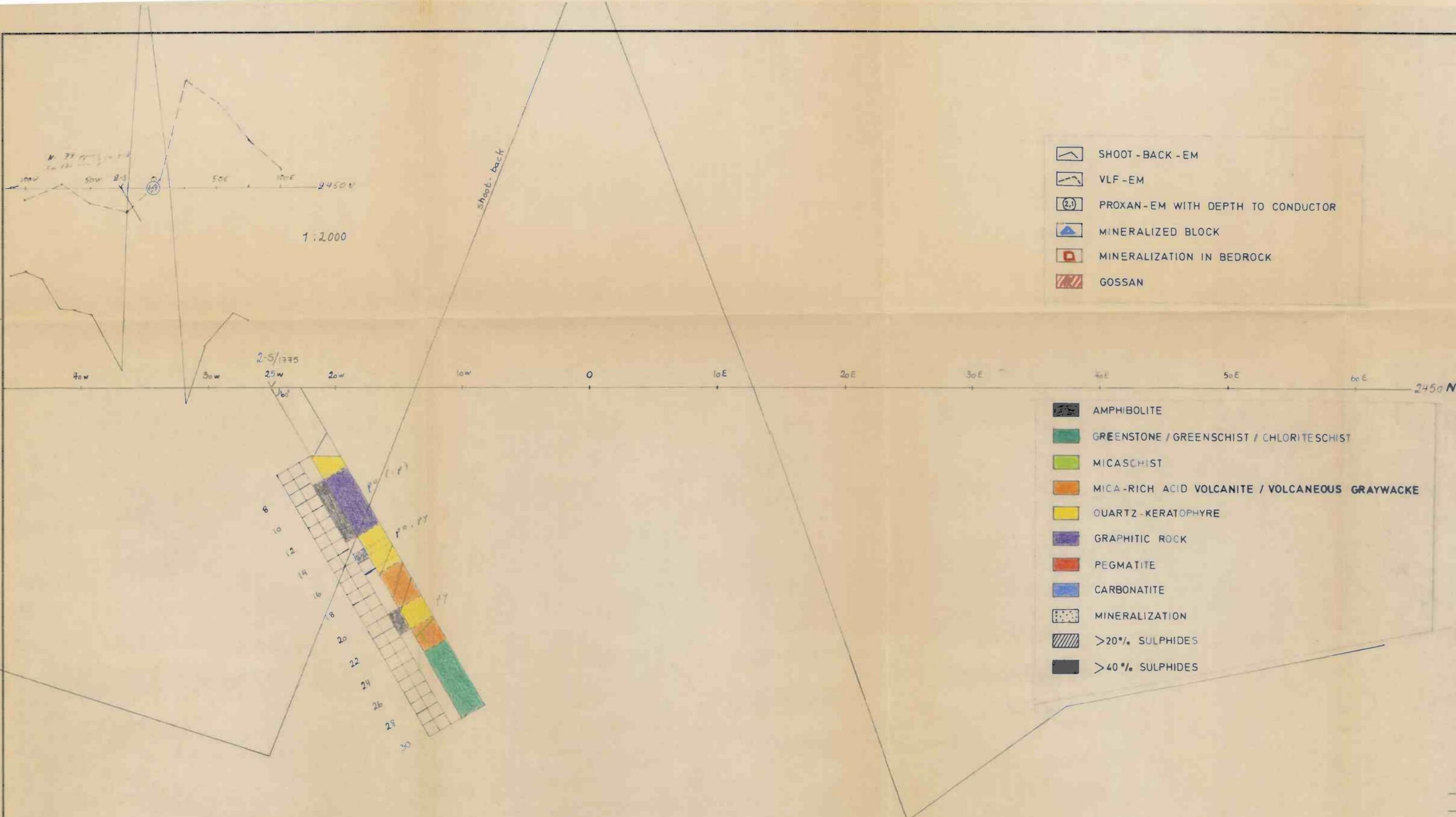


- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN

- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANIC GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES



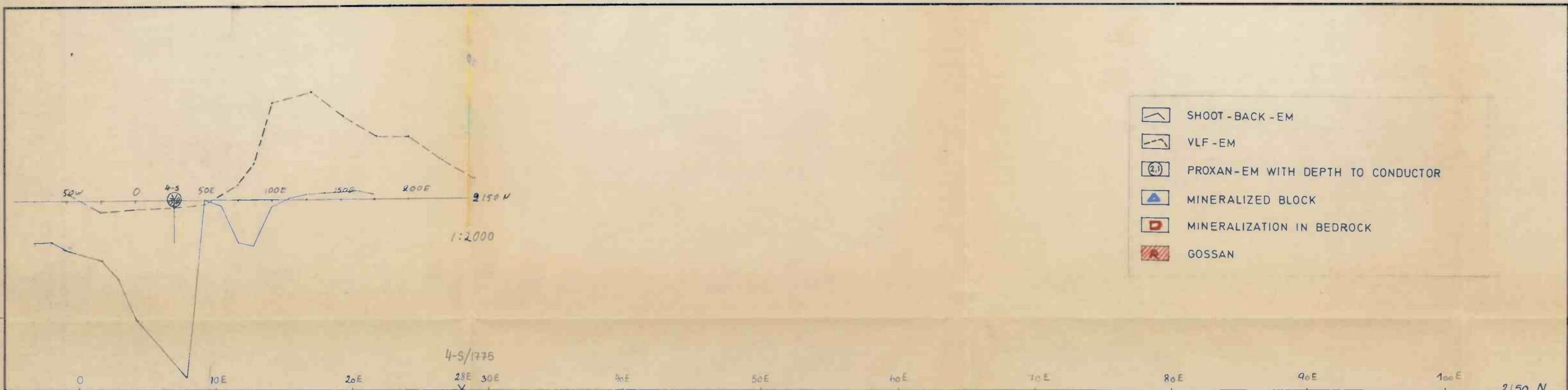
MASI 1775 SALGGANJOKKA DRILLING	1-S 2525 N	SCALE	OBS. NGU	9-75
		1:200	DRAW. EK	10-75
			TRAC. BB	11-75
			CHK. EK	1-76
			957	
% SULFIDMALM			MAP NO.	362/75/17
			MAP SHEET	



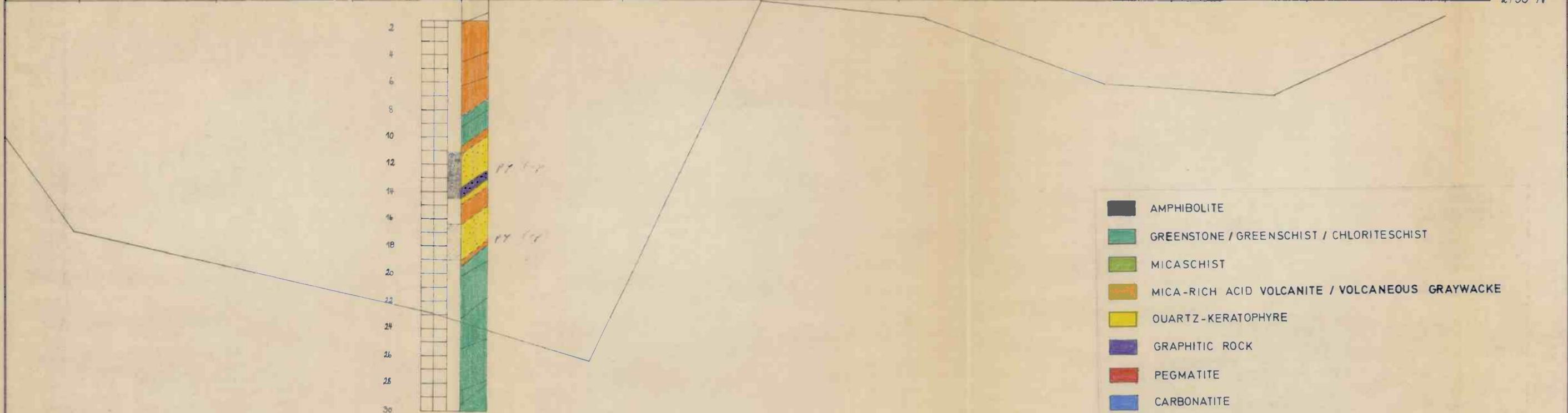
- SHOOT - BACK - EM
- VLF - EM
- PROXAN - EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN

- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITE SCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ - KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% Sulphides symbol"/> >20% SULPHIDES
- >40% Sulphides symbol"/> >40% SULPHIDES

MASI 1775		SCALE	OBS. NGU	8 - 75
SALGGANJOKKA	2-S	1:200	DRAW. EK	9 - 75
DRILLING	2450 N		TRAC. BB	11 - 75
			CHK. EK	1 - 76
1/2 SULFIDMALM			MAP NO.	
			362/75/17	
			MAP SHEET	

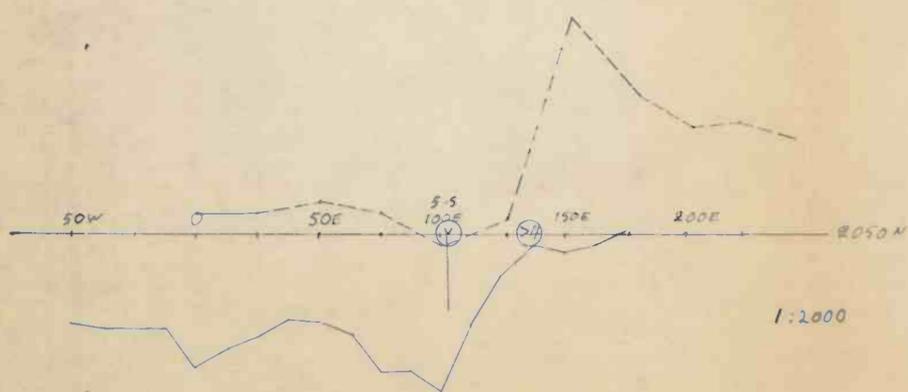


- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN



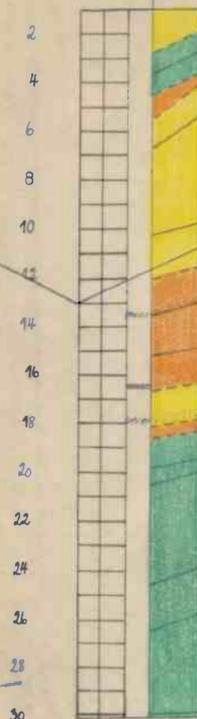
- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES symbol"/> >20% SULPHIDES
- >40% SULPHIDES symbol"/> >40% SULPHIDES

MASI 1775 SALGGANJOKKA DRILLING	4-S 2150N	SCALE	OBS. NGU	9-75
		1:200	DRAW. EK	10-75
TRAC. BB	11-75			
CHK. EK	1-76			
% SULFIDMALM		MAP NO.	165	
			362/75/17	
		MAP SHEET		



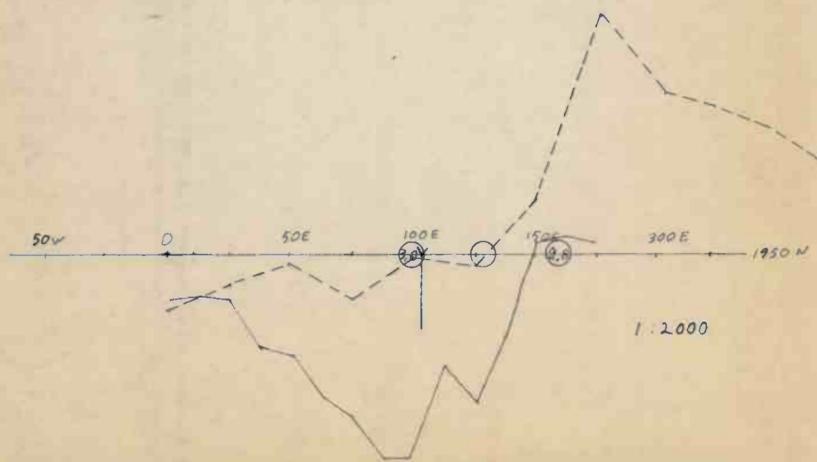
- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN

5-S/1775
 100E 103E 110E 120E 130E 140E 150E 160E 170E 180E 190E 200E 2050N

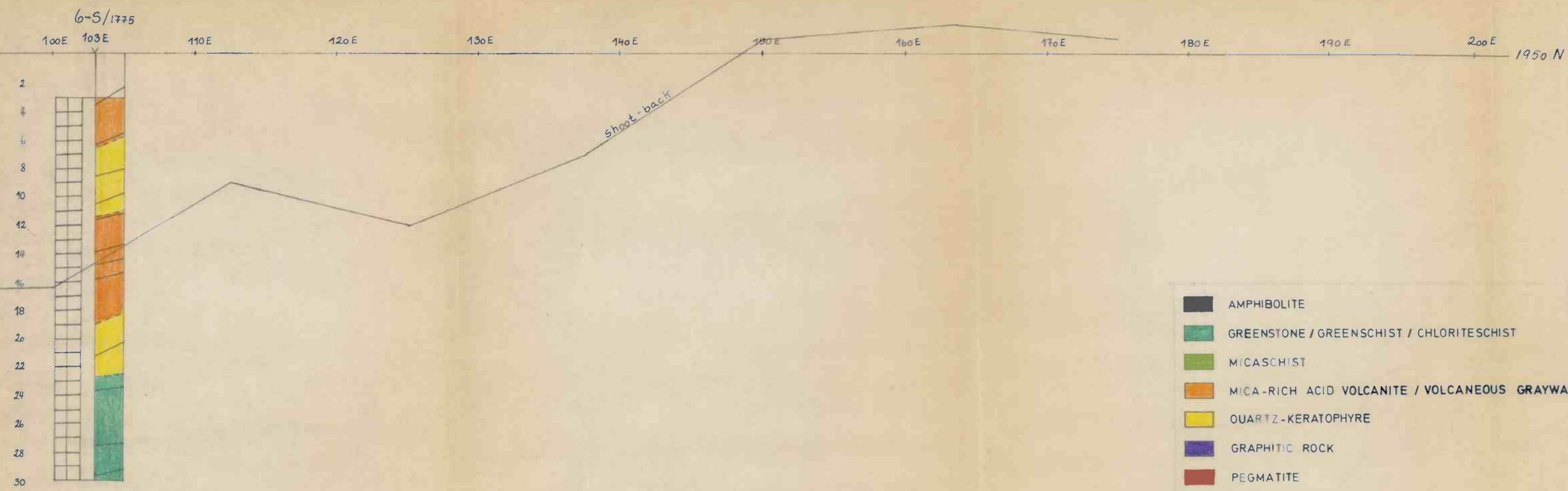


- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

MASI 1775 SALGGANJOKKA DRILLING	5-S 2050 N	SCALE	OBS. NGU	9-75
		1:200	DRAW. EK	10-75
			TRAC. BB	11-75
			CHK. EK	1-76
SULFIDMALM			MAP NO.	362/75/17
			MAP SHEET	

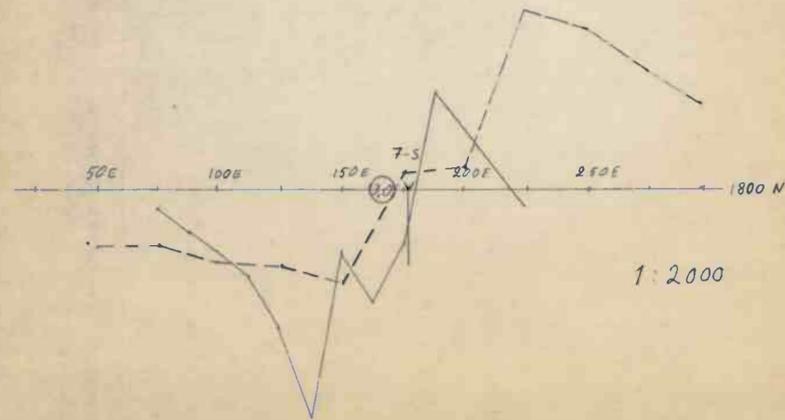


- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN

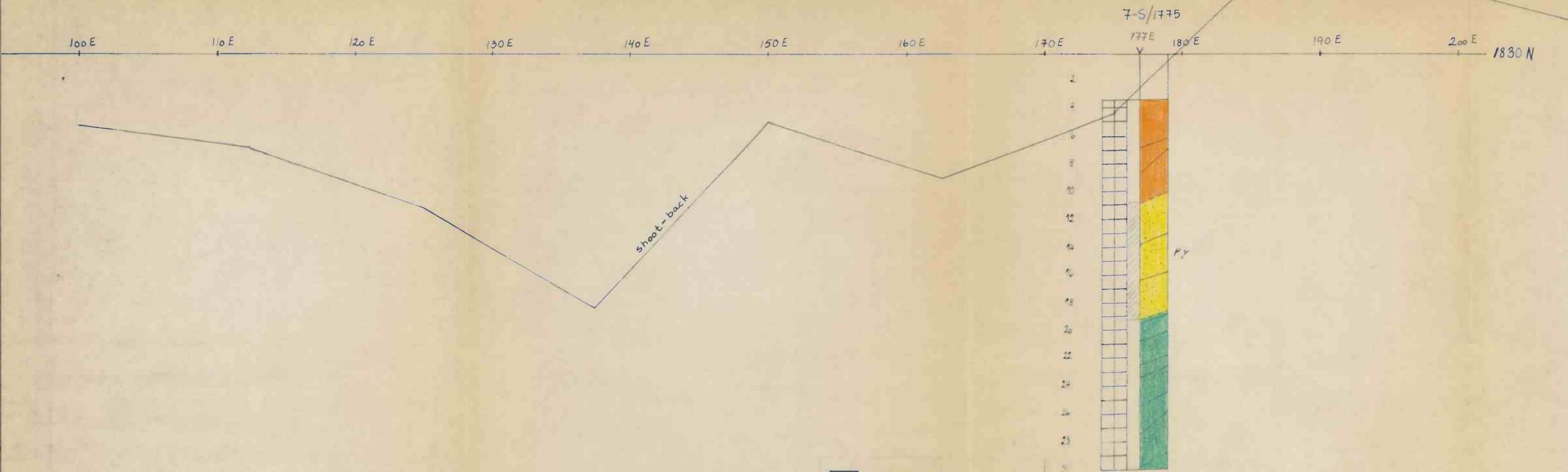


- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

MASI 1775 SALGGANJOKKA 6-S DRILLING 1950 N	SCALE	OBS. NGU	9-75
	1:200	DRAW. EK	10-75
TRAC. BB		11-75	
CHK. EK		1-76	
% SULFIDMALM	MAP NO.	362/75/17	
	MAP SHEET		



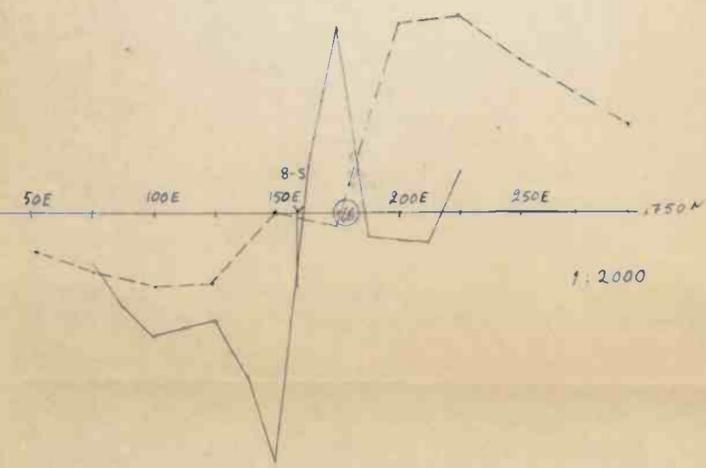
- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN



- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

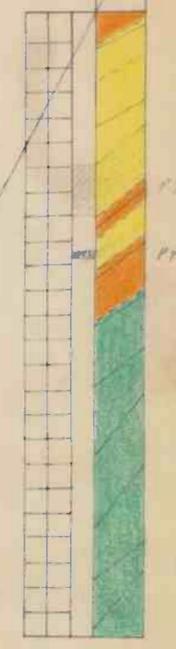
MASI 1775 SALGGANJOKKA DRILLING	7-S	SCALE	OBS. NGU 9-75
		1:200	DRAW. EK 10-75
1830 N		MAP NO.	
		362/75/17	
SULFIDMALM		MAP SHEET	

- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN



100E 110E 120E 130E 140E 150E 158E 170E 180E 190E 200E 1750N

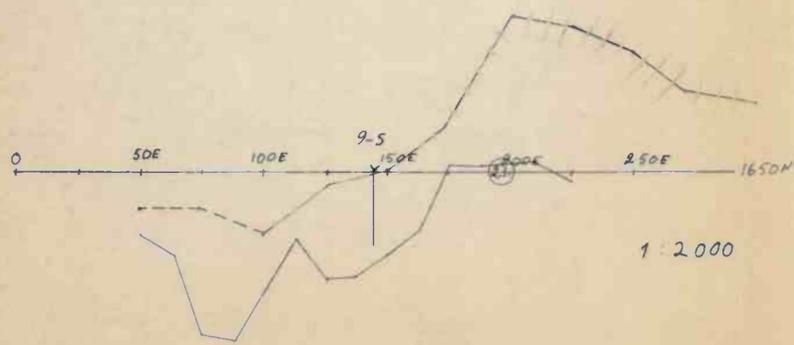
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30



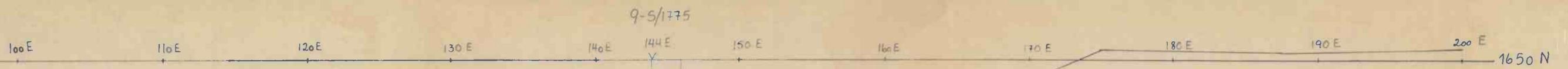
shoot-back

- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

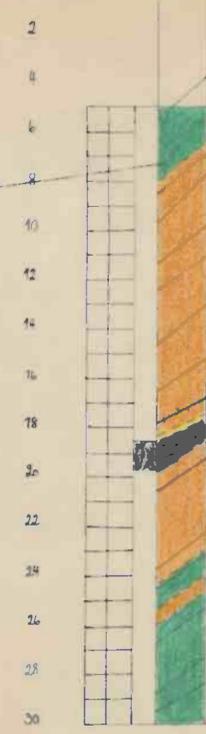
MASI 1775 SALGGANJOKKA DRILLING	8-S 1750N	SCALE	OBS. NGU	9-75
		1:200	DRAW. EK	10-75
			TRAC. BB	11-75
			CHK. EK	1-76
			185	
SULFIDMALM			MAP NO.	362/75/17
			MAP SHEET	



- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN



shoot-back



17-17 (17-17)

- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

MASI 1775 SALGGANJOKKA DRILLING	9-S 1650 N	SCALE	OBS. NGU	9-75
		1:200	DRAW. EK	10-75
TRAC. BB	11-75			
CHK. EK	1-76			
SULFIDMALM		MAP NO.	362/75/17	
		MAP SHEET		

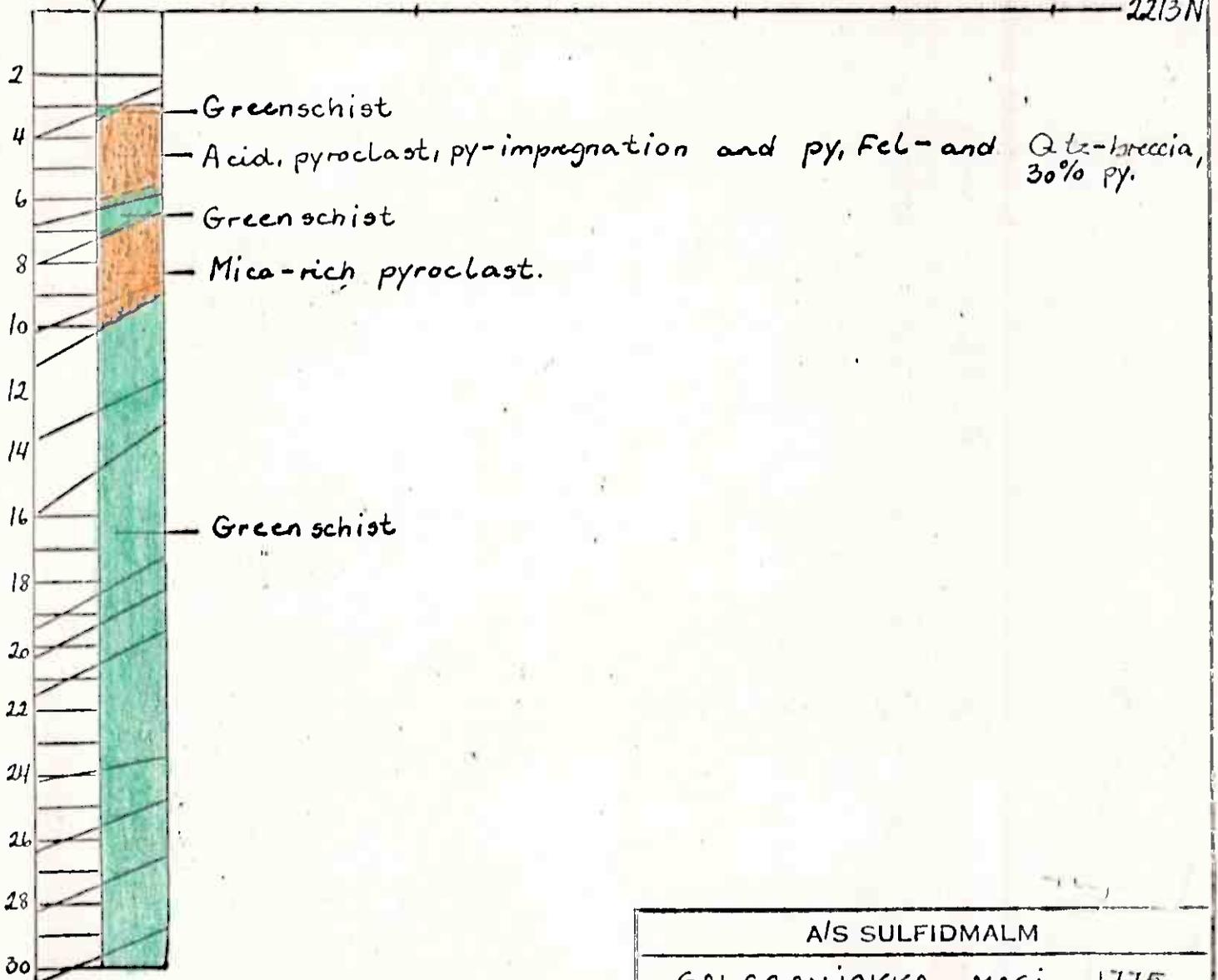
140E

150E

160E

170E

2213N



A/S SULFIDMALM

SALGGANJOKKA, MASI. 1775.

2213N/140E.

10-5/1775.

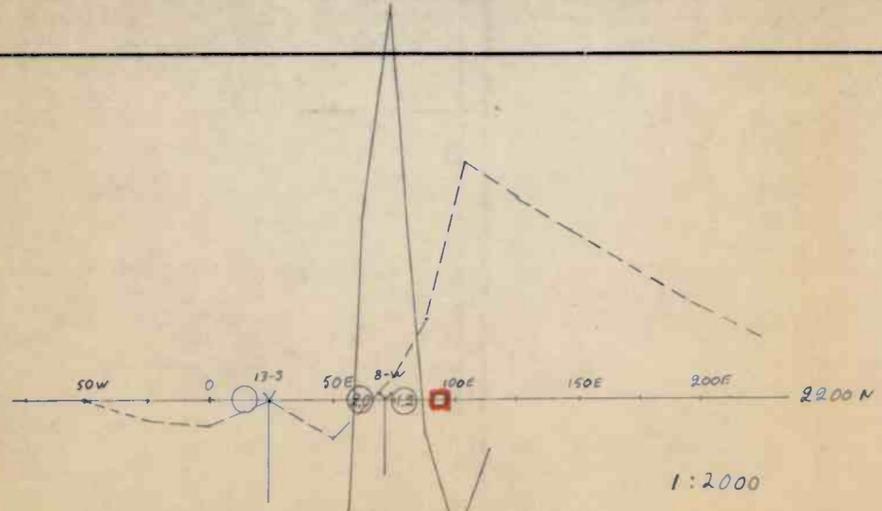
SCALE 1:200

DRAWN EK

DATE 9-75.

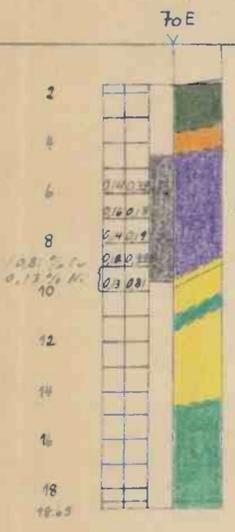
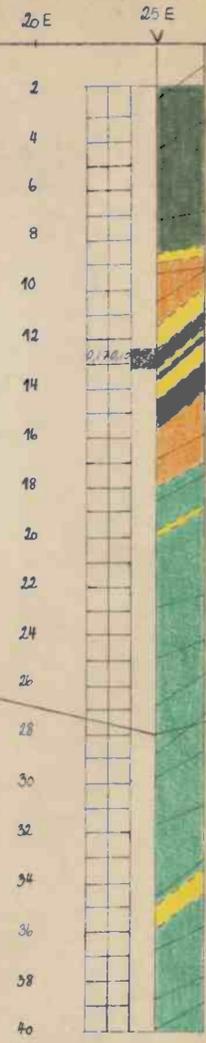
TRACED BB

-  SHOOT-BACK-EM
-  VLF-EM
-  PROXAN-EM WITH DEPTH TO CONDUCTOR
-  MINERALIZED BLOCK
-  MINERALIZATION IN BEDROCK
-  GOSSAN



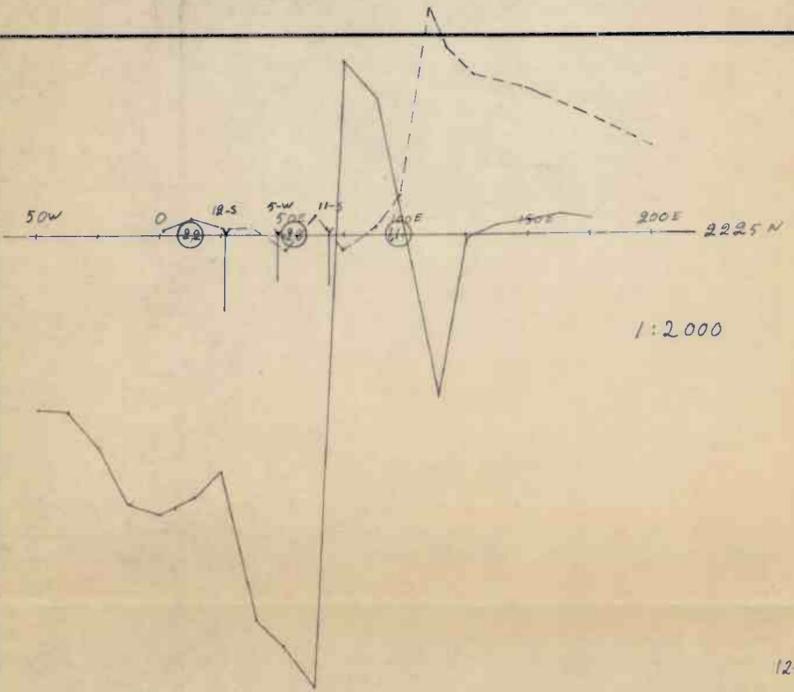
13-S/1775

8W/1775

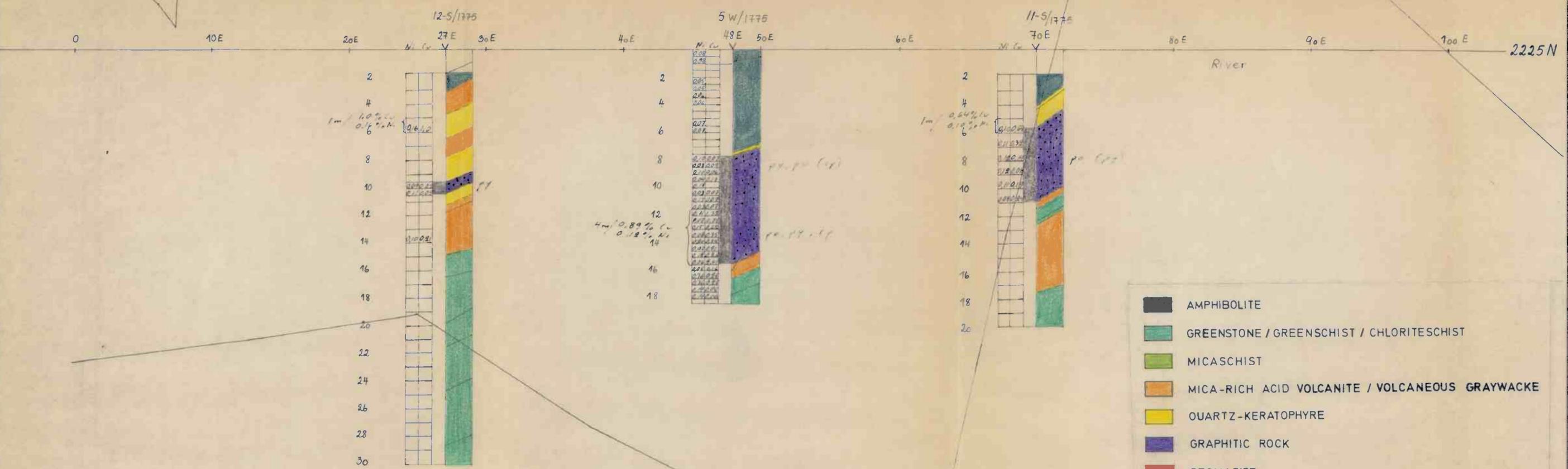


-  AMPHIBOLITE
-  GREENSTONE / GREENSCHIST / CHLORITESCHIST
-  MICASCHIST
-  MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
-  QUARTZ-KERATOPHYRE
-  GRAPHITIC ROCK
-  PEGMATITE
-  CARBONATITE
-  MINERALIZATION
-  >20% SULPHIDES
-  >40% SULPHIDES

MASI 1775		SCALE	Obs. LN/NGU	8-75
SALGGANJOKKA		1:200	DRAW	EH 9-75
DRILLING			TRAC.	BB 11-75
			CHK.	EK 1-76
				985
		MAP NO.		
		362/75/17		
		MAP SHEET		

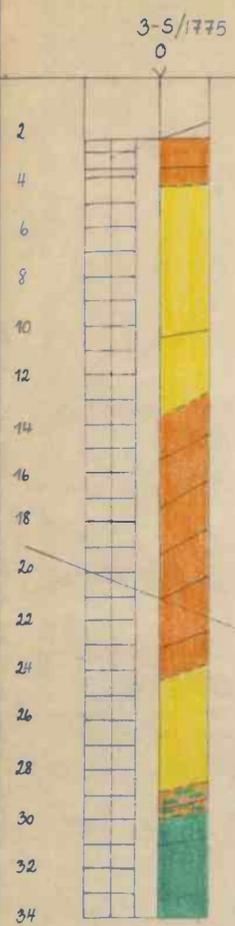
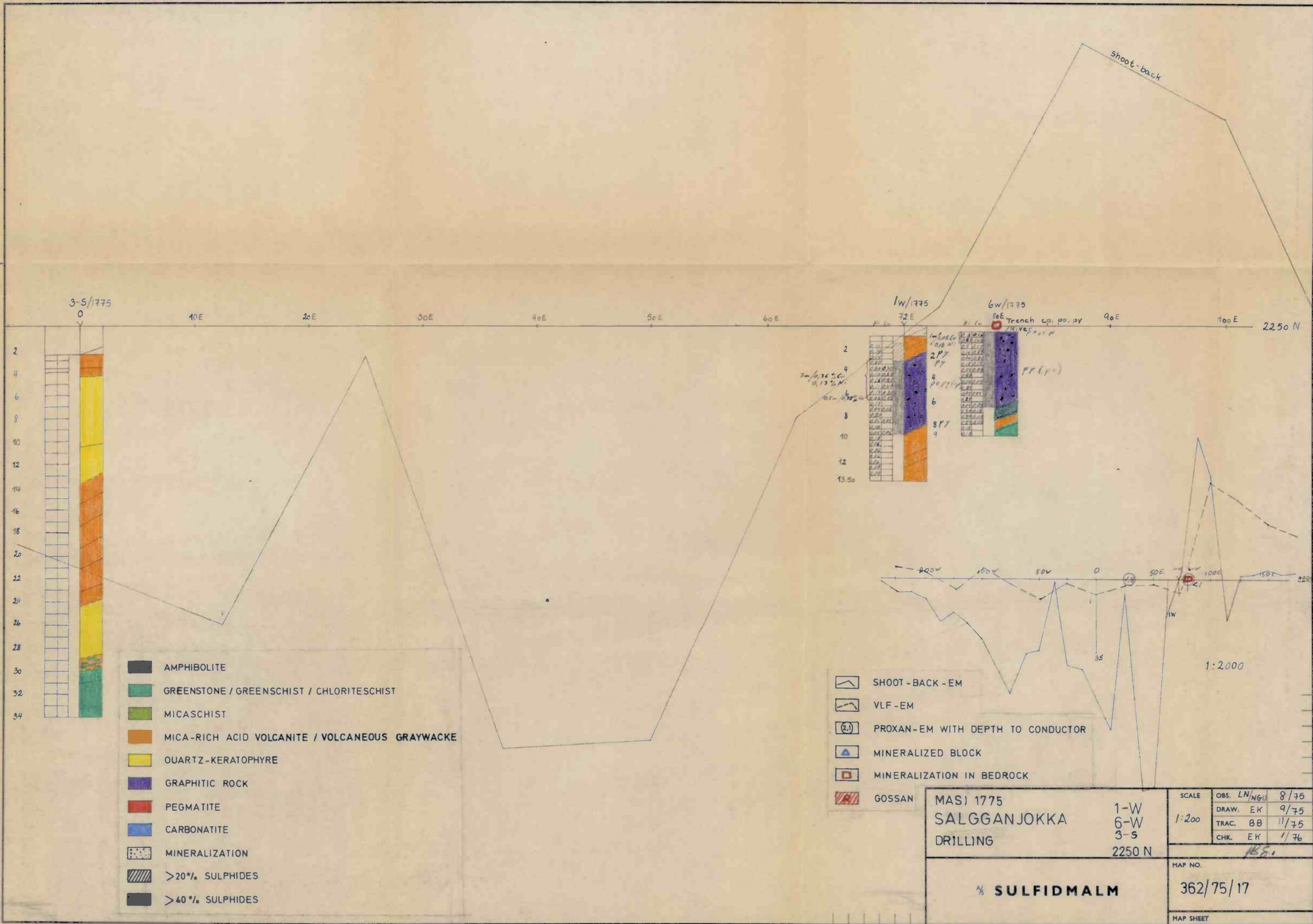


- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN



- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

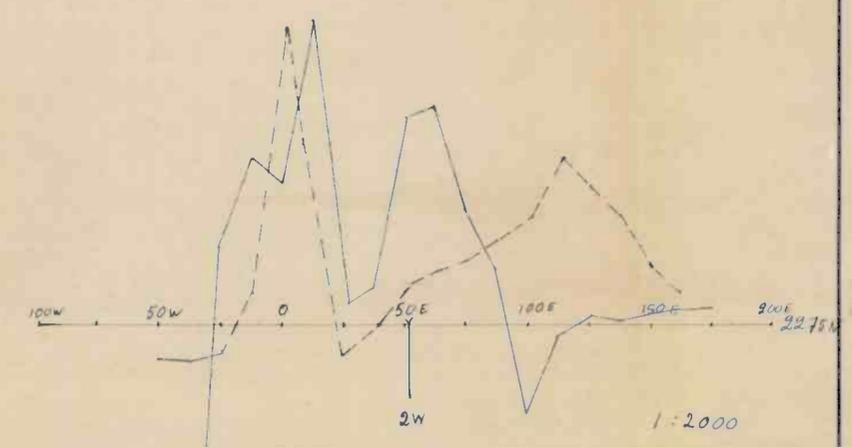
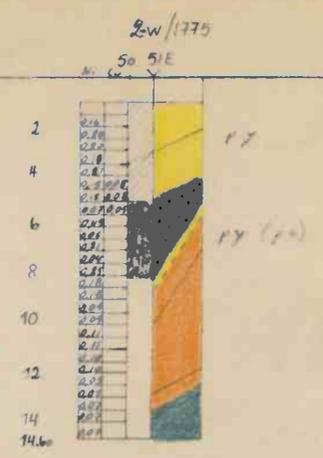
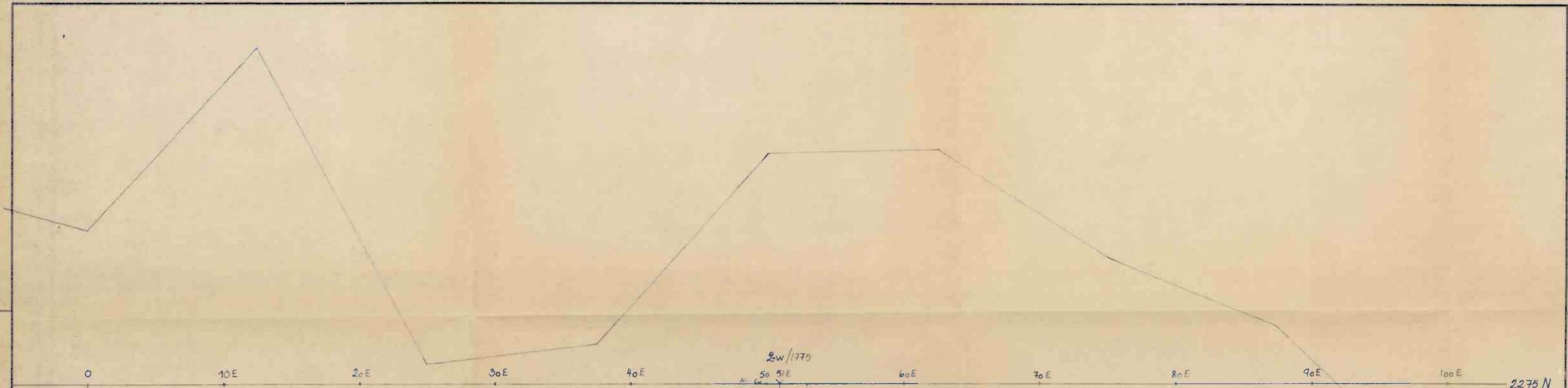
MASI 1775	11-S	SCALE	ORIG. LN/NGU	8-75
SALGGANJOKKA	12-S	1:200	DRAW. EK	2-75
DRILLING	5-W		TRAC. BB	11-75
	2225 N		CHK. EK	1-76
1/2 SULFIDMALM		MAP NO. 362/75/17		
		MAP SHEET		



- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN

MAS 1775 SALGGANJOKKA DRILLING 2250 N SULFIDMALM	1-W 6-W 3-S	SCALE 1:200 OBS. LN/NG 8/75 DRAW. EK 9/75 TRAC. BB 11/75 CHK. EK 1/76
	MAP NO. 362/75/17 MAP SHEET	185

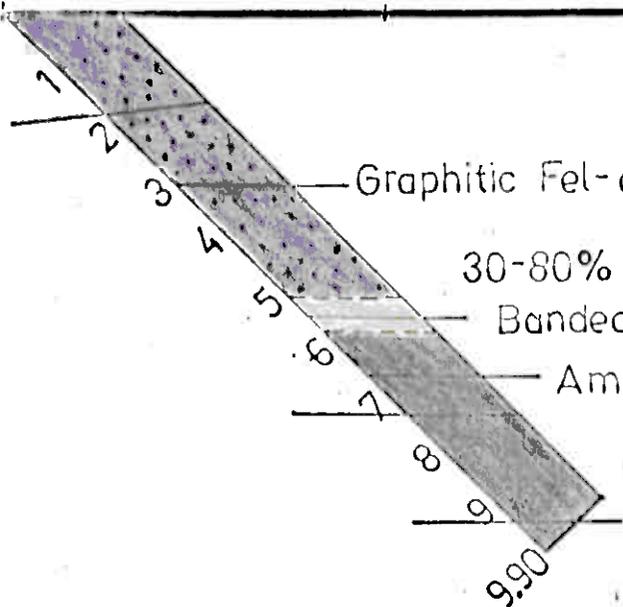


- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANEOUS GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% SULPHIDES
- >40% SULPHIDES

- SHOOT-BACK-EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN

MASI 1775 SALGGANJOKKA DRILLING	2-W 2275 N	SCALE	OBS. LN	7-75
		1:200	DRAW. EK	9-75
			TRAC. BB	11-75
			CHK. EK	1-76
1/2 SULFIDMALM		MAP NO.		
		362/75/17		
		MAP SHEET		

2250 N 2255 N 2260 N 2265 N 80E



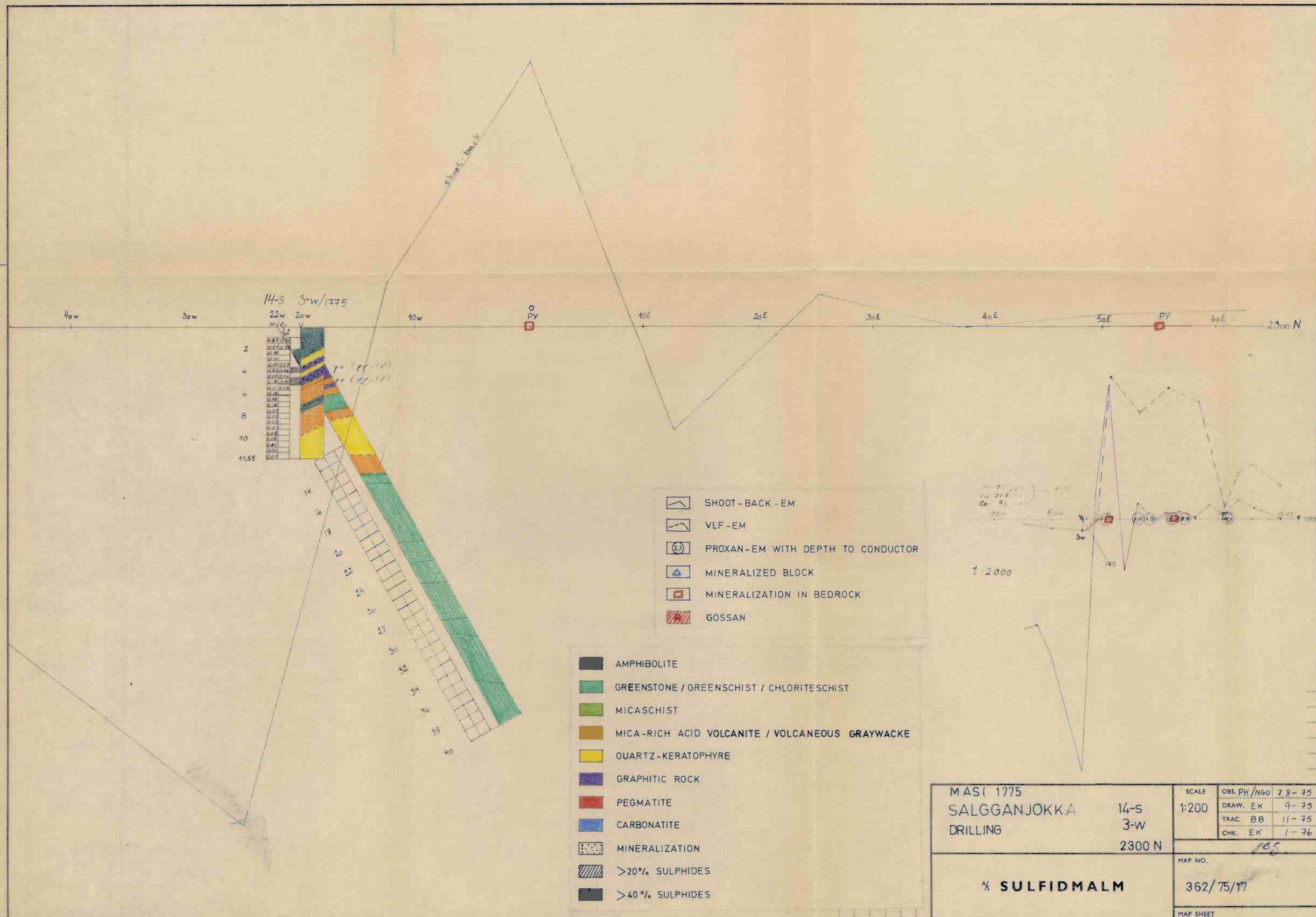
Graphitic Fe- and Qtz-bearing tuff, brecciated by sulphides.

30-80% py, 5-20% po, ~1% cp

Banded chlorite-mica-schist

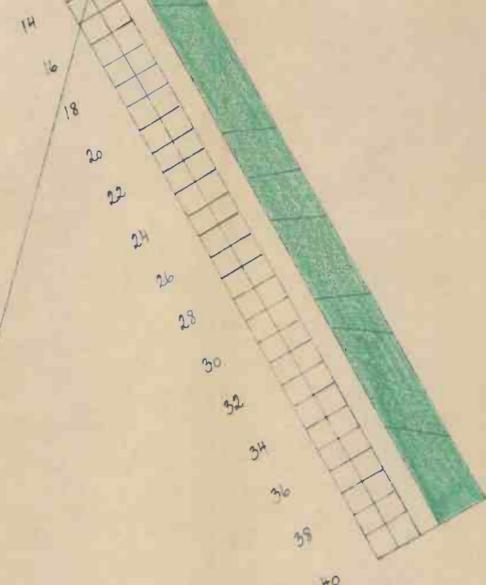
Amphibolite (greenschist)

A/S SULFIDMALM	
7W/1775	
SALGGANJOKKA	
2250N-80E	
SCALE 1:100	DRAWN EK
DATE 7-75	TIME 12



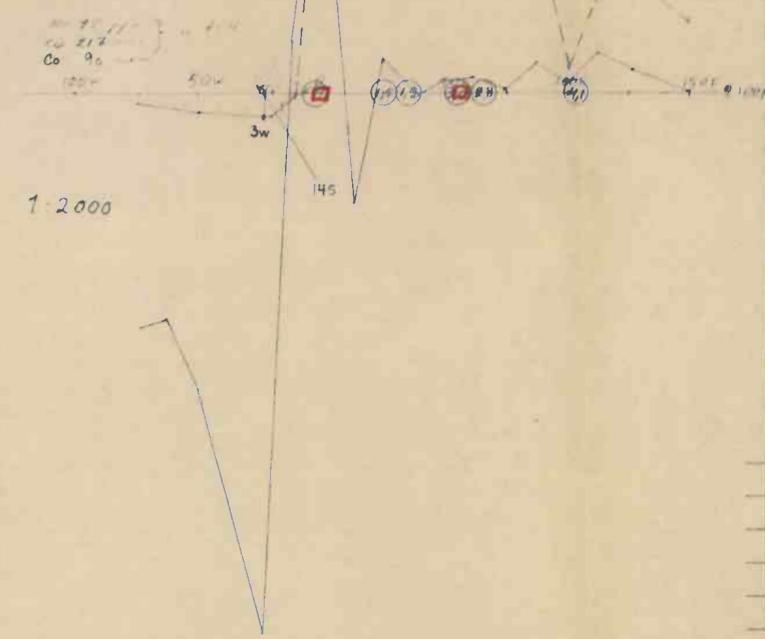
14-S 3-W/1775

2
4
6
8
10
11.55



- SHOOT-BACK - EM
- VLF-EM
- PROXAN-EM WITH DEPTH TO CONDUCTOR
- MINERALIZED BLOCK
- MINERALIZATION IN BEDROCK
- GOSSAN

- AMPHIBOLITE
- GREENSTONE / GREENSCHIST / CHLORITESCHIST
- MICASCHIST
- MICA-RICH ACID VOLCANITE / VOLCANIC GRAYWACKE
- QUARTZ-KERATOPHYRE
- GRAPHITIC ROCK
- PEGMATITE
- CARBONATITE
- MINERALIZATION
- >20% Sulphides symbol"/> >20% SULPHIDES
- >40% Sulphides symbol"/> >40% SULPHIDES



MASI 1775 SALGGANJOKKA DRILLING	14-S 3-W 2300 N	SCALE	OBS. PK/NGU	7.8-75
		1:200	DRAW. EK	9-75
SULFIDMALM			TRAC. BB	11-75
			CHK. EK	1-76
MAP NO.		362/75/17		
MAP SHEET				

GEOPHYSICS,
PROGRAM SURVEY

3. GEOPHYSICS, PROXAN SURVEY

The Proxan is a one-man, shallow penetration EM unit, made by the instrument division of Outokumpu Oy. It was loaned to Sulfidmalm for trials during summer 1975 in the Masi area. The unit consists essentially of a ca. 1 m long rigid bar, with the sender and receiver coil mounted at either end. The operating frequency is 50Hz.

To carry out a survey the operator walks along the measuring profile, carrying the Proxan roughly horizontally. A loud buzz indicates when the unit is passing over a conductor, and the operator then locates the conductor exactly by moving back and forth along the line until he obtains a maximum reading on the field strength dial. Having located the sub-outcrop of the conductor it is then possible to determine the depth of burial by taking field strength readings with the instrument at three different heights (30 cms, 60 cms and 90 cms above ground level). Depth of burial is obtained by plotting these values on a special graph, and matching against standard curves.

Due to the short coil-separation the Proxan has very limited depth penetration, and is meant essentially as an aid in locating mineralized blocks in boulder prospecting. In shallow overburden areas it can be used to locate bedrock conductors in which case the depth of burial data can be useful. At Salgganjokka for example depth of overburden estimates based on the Proxan survey agreed very closely with actual overburden depths encountered in the diamond drilling programme (fig. 19). The very short coil separation of the Proxan also produces from the Shootback EM conductor distribution. The Proxan will pick up very narrow conductors which may be missed by the Shootback survey, and will also of course pick up larger mineralized blocks. The short coil separation also means that the Proxan will not register wide conductors, but will show only "conductor-edge" anomalies.

200W 150W 100W 50W 0 50E 100E 150E 200E 250E 300E

DDH 1-S/7,0m ovb

42

2500 N

DDH 2-S/6,2m ovb

2450 N

43

2400 N

2350 N

DDH 3-W/1,0m ovb
DDH 4-S/1,5m ovb

2300 N

DDH 4-W
DDH 3-S/2,5m ovb

DDH 1-W/1,0m ovb

DDH 6-W/0,0m ovb

DDH 12-S/1,7m ovb

DDH 11-S/1,7m ovb

DDH 5-W/0,0m ovb

DDH 10-S/3,0m ovb

DDH 13-S/1,8m ovb

DDH 8-W/1,65m ovb

2250 N

2200 N

DDH 4-S/1,5m ovb

2150 N

2100 N

DDH 5-S/1,0m ovb

2050 N

2000 N

DDH 6-S/3,1m ovb

1950 N

1900 N

DDH 7-S/3,5m ovb

1850 N

1800 N

DDH 8-S/4,8m ovb

1750 N

DDH 9-S/5,0m ovb

1700 N

1650 N

21

1600 N

23

1550 N

23

1500 N

20

1450 N

20

1400 N

24

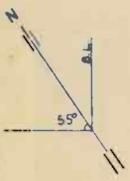
1350 N

20

1300 N

24

1250 N



KEY

DDH 6-S/4,8m ovb

1,6

Drill hole 6-S with actual overburden thickness in metres.

Top of the conductor with the thickness of overburden (m)

SALOGANJOKKA MASI 1/75
Prexan

% SULFIDMALM

DATE	1975-07-17
DRAWN	J.A.
CHECKED	J.A.
SCALE	1:25

MAP NO. 362-75-17

APPENDIX I
DRILL LOGS AND
ASSAY RESULTS

IS SOLFIDMALMI

DIAMOND DRILL RECORD

LOCATION: 2525N/40W BEARING: S55E DIP: 60° HOLE NO: 1-S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 1/9-75 PROPERTY: Salgaanjokka
 CASING: 7.00 m FINISHED: 3/9-75
 CORE SIZE: IAX 35 mm TESTS (CORRECTED):

From	To	Description
0	7.00	Overburden
7.00	8.40	Carbonate-rich mica-chlorite-rock, remains of bedding 8.35-8.40 Calcite-vein, 10% py
8.40	11.30	Amphibolite 9.00-9.10 Calcite-vein - quite dark, fine to medium grained - occasionally py 9.60-9.70 carbonate-rich part
11.30	15.30	Mica-bearing acid pyroclastic rock -py, po-dissemination, occasionally cp 12.00-12.60 20-30% po, some cp and py 12.00-12.20 70% po 13.30-13.40 carbonate-vein 13.40-15.30 QTZ-vein with partly massive po with some cp 13.60-13.70 90% po 13.80-14.05 100% po 14.40-14.65 90% po, occasionally sh
15.30	30.00	Mica-bearing carbonate-rich rock, sometimes brecciated by py, 5-10% py, occasionally sphalerite 17.40-17.50 60% py 18.50-18.60 vein-qtz, 60% py, 1% sh - some chlorite 22.20-23.40 90-95% py 26.60-26.75 basic bed
	30.00	End of hole Core angles B: 8.20 38° 26.70 31° 11.90 26° 28.30 15° 15.50 42° 30.00 17° 21.60 50° 25.60 34°

7s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2525N/40W BEARING: S55E DIP: 60° HOLE NO: S/1775 SHEET NO: 1a
 LOGGED BY: E. Kneivi STARTED: 1/9-75 PROPERTY: Saigannjokka
 CASING: 7.00 m FINISHED: 3/9-75
 CORE SIZE: IAX 35 mm TESTS (CORRECTED):

From	To	Description
0	7.00	Overburden
7.00	8.40	Carbonate-rich mica-chlorite-rock
8.40	11.30	Amphibolite - occasionally py
11.30	15.30	Mica-bearing acid pyroclastic rock - PY-, po-dissemination, occasionally cp - some po-beds
15.30	30.00	Mica-bearing carbonate-rich rock. - sometimes brecciated by py. 5-10% py - occasionally sphalerite
	30.00	End of hole
		The shoot-back-anomaly is supposedly caused by po-beds. No graphitic bed was hit in this hole.

7s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2450N/25W BEARING: S55E Dip: 60° HOLE NO: 2-S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 1/9-75 PROPERTY: Salgganjokka
 CASING: 6.20 m FINISHED: 3/9-75
 CORE SIZE: 1.7X 35 mm TESTS (CORRECTED):

From	To	Description
0	6.20	Overburden
6.20	8.30	qtz-keratophyre 7.60-8.30 po-breccia 10% po
8.30	13.60	Graphitic tuffite -brecciated by sulphides, Fe l-and qtz, 50-70% po, some cp
13.60	17.00	qtz-keratophyre - brecciated by pyrrhotite, 30% po, rare cp 14.50-15.30 60% po, 5% py 16.40-16.50 " "
17.00	20.20	Mica-carbonate-rich acid pyroclastic rock
20.20	22.00	Qtz-keratophyre -py-breccia, 80% py
22.00	24.20	Mica-carbonate-bearing acid pyoclastic rock
24.20	30.00	Greenschist
	30.00	End of hole
		Core-angles
	B: 30° 6.50	15° 22.80
	35° 13.65	23° 25.80
	38° 17.20	9° 27.90
	45° 19.20	13° 28.80
	43° 20.30	22° 29.90
		This hole got 5.30 ms thick graphitic tuffite, but very little of chalcocite.

1/2 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2250N/0 BEARING: Dip: 90° HOLE NO: 3S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 21/8 1975 PROPERTY: Salgganjokka
 CASING: 2.50 m FINISHED: 22/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
0	2.50	Overburden
2.50	30.00	Acid pyroclastics
		2.50-4.30 mica-and chlorite-rich, carbonate-bearing
		4.30-13.80 Qtz-keratophyre - some py-breccia and py-impregnation
		5.5 py - some mica-rich beds
		13.80-24.40 mica-, chlorite- and amphibole-rich rock with some carbonate-bands and veins - some FeI- and Qtz-rich bands
		24.40-29.00 Qtz-keratophyre - some grains of py
		29.00-30.00 Mica-and chlorite-rich, sometimes Afb-rich beds
30.00	34.00	Greenschist - contacts are not clear - some mica-rich and more acid bands
	34.00	End of hole
		Core-angles:
		2.60 19°
		3.60 2°
		10.50 8°
		15.50 28°
		17.50 30°
		19.40 29°
		21.10 23°
		23.10 20°
		27.10 55°
		29.60 12°
		31.10 8°
		33.30 9°

4s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2250N/0
 LOGGED BY: E. Kreivi
 CASING: 2.50 m
 CORE SIZE: 1 AX 35 mm
 BEARING: DIP: 90° HOLE NO: 3S/1775 SHEET NO: 1a
 STARTED: 21/8 1975 PROPERTY: Salgganiokka
 FINISHED: 22/8 1975
 TESTS (CORRECTED):

From	To	Description
0	2.50	Overburden
2.50	30.00	Acid pyroclastics - some py
30.00	34.00	Greenschist
	34.00	End of hole
<p>This hole was drilled in the same place that we had the Winkie-hole 3W/1775, which was stopped at 8.50 m, because of too hard rocks for the Winkie drill. This drill went through the hard acid pyroclastics but in softer greenschist the top of the bit with diamonds in it was lost in the hole and the planned 40 ms' depth was not reached.</p>		

1/8 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2150N/28E BEARING: DIP: 90° HOLE NO: 4-S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 3/9-75 PROPERTY: Salgganjokka
 CASING: 1.50 m FINISHED: 5/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	1.50	Overburden
1.50	8.50	Mica-rich acid pyroclastic rock
		2.30-2.40 Very thin graphitic beds
		4.05-4.80 " " " "
		- some Afb-diorphyreblasts
		- occasionally rare py
8.50	10.65	Greenschist
		- contact is not sharp
		- thin FeI-carb-veinlets
10.65	11.30	Mica-bearing acid pyroclastic
		10.90-11.00 Qtz-vein
11.30	13.90	Qtz-keratophyre or acid vein-material
		with py breccia and some po, 50% py
		- occasionally rare cp
		-occasionally rare fine-grained fuchsite (at 13.60)
13.90	14.50	Graphitic tuffite brecciated by FeI and py, 60% py
14.50	15.00	Qtz-keratophyre
		- py-breccia, 20% py
		- occasionally fine grained fuchsite (14.50-14.90)
15.00	16.40	Mica-bearing acid pyroclastic rock
		- some py-breccia
		- reddish in colour
16.40	19.10	Qtz-keratophyre, brecciated by py, 30% py
		- occasionally cp
19.10	19.50	Mica-bearing acid pyroclastic rock

SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2150N/28E BEARING: DIP: 90° HOLE NO: S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 3/9-75 PROPERTY: Salgganjokka
 CASING: 1.50 m FINISHED: 5/9-75
 CORE SIZE: LAX 35 mm TESTS (CORRECTED):

From	To	Description
0	1.50	Overburden
1.50	8.50	Mica-rich acid pyroclastic rock - occasionally rare py.
8.50	10.65	Greenschist.
10.65	11.30	Mica-bearing acid pyroclast
11.30	13.90	Qtz-keratophyre - 50% py, occasionally rare cp
13.90	14.50	Graphitic tuffite - 60% py
14.50	15.00	Qtz-keratophyre
15.00	16.40	Mica-bearing acid pyroclastic rock - some py-breccia
16.40	19.10	Qtz-keratophyre - 30% py, occasionally cp
19.10	19.50	Mica-bearing acid pyroclastic rock
19.50	30.00	Greenschist
	30.00	End of hole
		Here the mineralized graphitic bed was only 60 cm thick (13.90-14.50).

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2150N/28E BEARING: DIP: 90° HOLE NO: 4-S/1775 SHEET NO: 2
 LOGGED BY: E. Kreivi STARTED: 3/9-75 PROPERTY: Salgganiokka
 CASING: 1.50 m FINISHED: 5/9-75
 CORE SIZE: LAX 35 mm TESTS (CORRECTED):

From	To	Description
19.50	30.00	Greenschist
		- contact is not clear
		- a lot of thin acid - veinlets
	22.50-22.60	Fel- vein
	23.50-24.30	Fel-rich part with a little of py
	27.70-28.30	mica- and scapolite-rich part
	30.00	End of hole
	B: 1.70	21°
	4.50	21°
	6.30	20°
	9.30	33°
	10.60	35°
	19.60	38°
	20.30	30°
	23.40	38°
	25.60	20°
	28.60	22°
	29.70	38°

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 20.50N/103E BEARING: DIP: 90° HOLE NO: S-S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 5/9-75 PROPERTY: Salggaanjokka
 CASING: 1.00 m FINISHED: 6/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	1.00	Overburden
1.00	2.75	Quartz-keratophyre? - can be also acid vein material or albitized country rock - some disseminated idiomorphic py-grains - carbonate-bearing
2.75	4.45	Basic tuffite - garnet- and scapolite-bearing, often also mica-bearing, which points to clayey-material
4.45	5.40	Tuffaceous greywacke - the upper contact is changing 4.80-4.90 acid vein material (quartz-keratophyre) - rare py-grains 5.20-5.30 acid vein material
5.40	12.00	Quartz-keratophyre 5.40-7.90 can be also acid vein material with tuffaceous material as nebulitic "intercalations". 7.90-12.00 possible acid vein-material chances to the rock type, which resembles more acid tuffite (spilitic) and this rock is offer quite quartzose - the rock contains some idiomorphic py-grains, mostly in cracks, sometimes also a few grains of cp
12.00	16.50	Acid pyroclastic rock - mica-bearing, very fine grained - some Afb-porphroblasts - some Qtz-breccia - thin (< 0,5 mm) veinlets of py, the veinlets

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2050N/103E BEARING: DIP: 90° HOLE NO: 5-S/1775 SHEET NO: 1a
 LOGGED BY: E. Kneivi STARTED: 5/9-75 PROPERTY: Salgganjokka
 CASING: 1.00 m FINISHED: 6/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	1.00	Overburden
1.00	2.75	Quartz-keratophyre or acid vein material
2.75	4.45	Basic tuffite
4.45	5.40	Tuffaceous greywacke
5.40	12.00	Quartz-keratophyre - some py
12.00	16.50	Acid pyroclastic rock - thin (0,5 mm) veinlets of py 16.30-16.50 20% py
16.50	18.15	Quartz-keratophyre or acid vein-material 16.50-16.60 Qtz-py-breccia, 40-50% py 17.80-18.10 py-breccia, 20-30% py
18.15	18.60	Mica-bearing acid pyroclastic rock
18.60	30.00	Greenschist
	30.00	End of hole
		It seems that the graphitic bed is not uniform and disappears before this hole.

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2050N/103E BEARING: DIP: 90° HOLE NO: 5-S/1775 SHEET NO: 2
 LOGGED BY: E. Kneivi STARTED: 5/9-75 PROPERTY: Salganjokka
 CASING: 1.00 m FINISHED: 6/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
		are either following the bedding or crossing it
		16.30-16.50 contact-zone with 20% py
16.50	18.15	Quartz-keratophyre or acid vein material
		- fine grained, bedding is not clear
		16.50-16.60 Qtz-py-breccia, 40-50% py
		17.80-18.10 py-breccia, 20-30% py
18.15	18.60	Mica-bearing acid pyroclastic rock
18.60	30.00	Greenschist
		- contact is not clear
		- mica-bearing until 19.10
		- narrow FeI-carbonate-rich veins
		which are following or crossing bedding
		- quite fine grained
	30.00	End of hole
		Core-angles
		B: 3.60 25°
		6.70 35°
		10.20 15°
		13.50 15°
		15.20 10°
		19.80 12°
		20.50 16°
		24.60 20°
		26.50 21°
		29.90 2°

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1950N/103E BEARING: _____ DIP: 90° HOLE NO. 6-S/1775 SHEET NO. 1
 LOGGED BY: E. Kreivi STARTED: 6/9-75 PROPERTY: Salgganjokka
 CASING: 3.10 m FINISHED: 7/9-75
 CORE SIZE: LAX 35 mm TESTS (CORRECTED): _____

From	To	Description
0	3.10	Overburden
3.10	7.50	Mica-bearing acid pyroclastic rock - carbonate-rich - some garnet- and chlorite-porphyroblasts 3.10-5.10 Banded, varved greywacke
7.50	11.40	Quartz-keratophyre - sometimes carbonate-bearing 9.30-9.35 3 cm thick po-band, 100% po - some carbonate- and po-breccia, with a little py and occasionally cp
11.40	19.00	Mica- and carbonate-bearing acid pyroclastic rock - some chlorite-rich beds - some chlorite- and small garnet porphyroblasts - some carbonate-bands 13.00-13.40 carbonate-rich breccia with 5% po and 5% py
19.00	22.80	Qtz-keratophyre 19.00-20.50 5-10% py-breccia - some mica-rich beds 21.20-21.35 mica-rich part 21.70-22.30 " 22.30-22.80 chert 23.35-23.50 more acid part with a little of mica 24.30-24.70 " " " " " " 25.10-25.30 " " " " " " 27.60-27.90 " " " " " "

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1950N/103E BEARING: _____ DIP: 90° HOLE NO: 6-S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 6/9-75 PROPERTY: Saigganjokka
 CASING: 3.10 m FINISHED: 7/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED): _____

From	To	Description
0	3.10	Overburden
3.10	7.50	Mica-bearing acid pyroclastic rock
7.50	11.40	Quartz-keratophyre
		- some carbonate- and po-breccia, a little py and occasionally cp
11.40	19.00	Mica- and carbonate-bearing acid pyroclastic rock
19.00	22.80	Qtz-keratophyre
		19.00-20.50 5-10% py-breccia
22.80	30.00	Greenschist
	30.00	End of hole
		Graphitic bed seems to disappear before this hole

1/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1950N/103E BEARING: DIP: 90° HOLE NO: 6-S/1775 SHEET NO: 2
 LOGGED BY: J.E. Kreivi STARTED: 6/9-75 PROPERTY: Salganjokka
 CASING: 3.10 m FINISHED: 7/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
22.80	30.00	Greenschist
		- thin carb-bands
	30.00	End of hole
		Core-angles
		B: 29° 3.50
		21° 6.30
		14° 8.50
		20° 10.50
		13° 11.60
		13° 13.90
		10° 14.80
		14° 15.90
		27° 21.30
		7° 23.70
		3° 27.50
		14° 29.70

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1830N/177E BEARING: DIP: 90° HOLE NO: 7-S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 8/9-75 PROPERTY:
 CASING: 3.50 m FINISHED: 9/9-75 Salgganjokka
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	3.50	Overburden
3.50	10.80	Acid pyroclastic rock - mica-carbonate-bearing
10.80	19.30	Qtz-keratophyre - sometimes mica-bearing and have some py- and Qtz-breccia (10-20% py)
19.30	30.00	Greenschist - carb-Fel-bands - rare grains of py - carbonate-amount is decreasing towards the bottom
30.00		End of hole
		Core-angles
		B: 19° 6.80 21° 20.80
		41° 8.60 20° 22.50
		23° 13.80 23° 23.40
		19° 16.40 30° 25.50
		22° 19.60 40° 27.60
		28° 29.90
		10-20% py-breccia might cause the weak short-back-anomaly.

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1750N/158E BEARING: DIP: 90° HOLE NO: 8-S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 9/9-75 PROPERTY: Salgganjokka
 CASING: 4.80 m FINISHED: 10/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	4.80	Overburden
4.80	6.00	Mica-bearing carbonate-rich rock - some chlorite
6.00	7.50	Basic tuffite - fine grained - Afb- porphyroblasts
7.50	13.00	Qtz-keratophyre - mainly feldspar, some quartz - some po-breccia 10.95-12.95 30% py-breccia and some mica-rich beds
13.00	13.90	Micaceous, carbonate-rich acid pyroclastic rock - carbonate bands
13.90	15.20	Qtz-keratophyre - py-breccia 14.50-14.80 60-95% py
15.20	17.20	Micaceous, carbonate-rich acid pyroclastic rock
17.20	30.00	Greenschist - narrow Fel- and carb-bands
	30.00	End of hole
		Core-angles
	B: 26°	6.30 31° 17.40
	29°	9.30 38° 19.80
	38°	10.80 52° 22.60
	39°	13.40 52° 25.50
	37°	15.50 36° 27.60
		50° 29.50

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1750N/158E BEARING: DIP: 90° HOLE NO. 8-S/1775 SHEET NO. 1a
 LOGGED BY: E. Kreivi STARTED: 9/9-75 PROPERTY Salganjokka
 CASING: 4.80 m FINISHED: 10/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	4.80	Overburden
4.80	6.00	Mica-bearing carbonate-rich rock
6.00	7.50	Basic tuffite
7.50	13.00	Qtz-keratophyre - some po-breccia 10.95-12.95 30% py-breccia
13.00	13.90	Micaceous, carbonate-rich acid pyroclastic rock
13.90	15.20	Qtz-keratophyre - py-breccia 14.50-14.80 60-95% py
15.20	17.20	Micaceous, carbonate-rich acid pyroclastic rock
17.20	30.00	Greenschist
<p>The shoot-back-anomaly seems to be caused by py-breccia. No graphite was in this core.</p>		

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1650N/144E BEARING: DIP: 90° HOLE NO: 9-S/1775 SHEET NO: 1
 LOGGED BY: E. Kneivi STARTED: 10/9-75 PROPERTY: Salgganjokka
 CASING: 5.00 m FINISHED: 11/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	5.00	Overburden
5.00	8.00	Greenschist - carbonate-rich 6.50-8.00 very broken
8.00	18.30	Mica-bearing acid pyroclastic rock - contact with greenschist is not sharp - carbonate-rich bands and veins - chlorite-rich - some py- impregnation - some afb, chlorite- or garnet-porphyroblasts
18.30	18.50	Chert some py-breccia
18.50	19.80	Graphitic rock, brecciated by po and py occasionally cp and sphalerite 19.10-19.80 70% po, 10% py 19.45-19.50 100% py
19.80	24.30	Mica-bearing acid pyroclastic rock - carbonate-bearing - partly brecciated by carbonate - chlorite-porphyroblasts
24.30	25.30	Greenschist - carbonate-rich - contacts are not clear
25.30	26.00	Mica-rich acid pyroclastic rock - carbonate-rich
26.00	30.00	Greenschist - quite dark - carbonate veins and bands
	30.00	End of hole

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 1650N/144E BEARING: DIP: 90° HOLE NO: 9-S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 10/9-75 PROPERTY: Salgganjokka
 CASING: 5.00 m FINISHED: 11/9-75
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED):

From	To	Description
0	5.00	Overburden
5.00	8.00	Mica-bearing acid pyroclastic rock
18.30	18.50	Chert
18.50	19.80	Graphitic rock, brecciated by po and py, occasionally cp and sh 19.10-19.80 70% po, 10% py 19.45-19.50 100% py
19.80	24.30	Mica-bearing acid pyroclastic rock
24.30	25.30	Greenschist
25.30	26.00	Mica-rich acid pyroclastic rock
26.00	30.00	Greenschist
	30.00	End of hole
		Core-angles
		B: 40° 5.50 40° 14.60 36° 24.50
		40° 8.50 34° 16.50 36° 26.70
		46° 9.70 27° 17.80 39° 28.70
		39° 11.40 34° 20.50 30° 29.50
		36° 12.50 38° 23.70
		The graphitic sulphide-rich bed was here 1.30 m thick, but very poor of chalcopyrite.

SOLFIDMALVI

DIAMOND DRILL RECORD

LOCATION: 2213N/140E BEARING: DIP: 90° HOLE NO 10S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 13/8 1975 PROPERTY: Salgganjokka
 CASING: 3.00 m FINISHED: 15/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
0	3.00	Overburden
3.00	3.40	Greenschist - feldspathic bands - medium grained
3.40	6.00	Acid pyroclastic rock - py-impregnation and py-, Fel- and Qtz-breccia, 30% py - often mica-bearing - from fine to medium grained 4.30-4.70 py, Fel-breccia 5.70-6.00 Fel-breccia with some py- crystals
6.00	7.00	Greenschist with some mica-rich and carbonate-rich layers
7.00	10.00	Mica-rich pyroclastic rock - feldspar-rich bands and amphibole- rich layers a little carbonate and scapolite- crystals - contacts are not sharp
10.00	30.00	Greenschist - some Qtz- and Fel-bands - fine to medium grained - rare iron-sulphide-impregnation 28.40-28.55 until 3 cm large in diameter of py-crystals 23.20-23.30 Qtz-vein 27.40-27.50 "
	30.00	End of hole
		Core angles:
		3.20 22° B 18.40 29° B
		6.30 12° B 19.30 29° B
		7.20 22° B 20.50 26° B
		9.30 23° B 23.80 11° B
		10.10 30° B 25.50 21° B
		12.30 26° B 27.40 22° B
		14.50 36° B 29.60 22° B

76 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2213N/140E BEARING: DIP: 90° HOLE NO: 10S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 13/8 1975 PROPERTY: Salgganiokka
 CASING: 3.00 m FINISHED: 15/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
0	3.00	Overburden
3.00	3.40	Greenschist
3.40	6.00	Acid pyroclastic rock - py-impregnation and py- FeI- Qtz- breccia, 30% py
6.00	7.00	Greenschist
7.00	10.00	Mica-rich pyroclastic rock
10.00	30.00	Greenschist
	30.00	End of hole
<p>The hole was drilled in order to find the source of geochemical anomaly in till 70 m S of the trench.</p>		

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2225N/70E BEARING: DIP: 90° HOLE NO: 11S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 15/8 1975 PROPERTY: Salgganjokka
 CASING: 1.70 m FINISHED: 18/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
0	1.70	Overburden
1.70	4.00	Amphibolite - medium grained - po impregnation - dark greenish in colour - narrow Fel- and Qtz-veins - some narrow mica-rich layers 3.70-3.80 more mica-rich
4.00	5.60	Quartz-keratophyre - a little mica, amphibole and chlorite - contact with afb is not sharp - weak po-impregnation, occasionally cp 4.50-5.00 more mica-bearing rock 5.00-5.60 1-2% cp, mainly in cracks
5.60	11.00	Graphitic tuff - brecciated py sulphides, Qtz and Fel. - 40-60% ironsulphides, mainly po - contact with quartz-keratophyre is sharp 5.60-7.20 75% po, 5% py, traces of cp, 20% graf. 7.20-11.00 30-40% py, 10% po, traces of cp, 30% Qtz + Fel, 30% graphite 10.30-10.60 70% py, graphite-pebbles are filled by py
11.00	17.50	Acid pyroclastic rock - with more basic, mica and carbonate rich layers - py-and po-impregnation, occasionally cp - brownish colour - fine ot medium grained 11.00-11.20 Afb-porphyrone-blebs 11.50-12.50 Amphibolite 12.50-16.20 Mica-rich 16.20-16.60 40% py with white Qtz- keratophyre

1/6 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 225N/70E BEARING: DIP: 90° HOLE NO: 1S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 15/8 1975 PROPERTY: Salgganjokka
 CASING: 1.70 m FINISHED: 18/8 1975
 CORE SIZE: 1 Ax 35 mm TESTS (CORRECTED):

From	To	Description
0	1.70	Overburden
1.70	4.00	Amphibolite
		- po-impregnation
4.00	5.60	Quartz-keratophyre
		- weak po-impregnation, occasionally cp
5.60	11.00	Graphitic tuff
		- 40-60% iron-sulphides, mainly po
11.00	17.50	Acid pyroclastic rock
		- py and po-impregnation, occasionally cp
17.50	20.00	Greenschist
	20.00	End of hole

The hole was drilled between the trench at
 Salgganjokka - Javrehuosjokka junction and
 hole number 5W/1775, which both have
 encouraging amounts of copper. This hole
 did not have chalcopyrite in the same amount.

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2225N/70E BEARING: DIP: 90° HOLE NO: 11S/1775 SHEET NO: 2
 LOGGED BY: E. Kreivi STARTED: 15/8 1975 PROPERTY: Salganjokka
 CASING: 1.70 m FINISHED: 18/8 1975
 CORE SIZE: a AX 35 mm TESTS (CORRECTED):

From	To	Description
17.50	20.00	Greenschist
		- narrow, white FeI-bands
		- contact with acid tuff is not sharp
		- sometimes mica-rich
	20.00	End of hole
		Core-angles.
	2.50	25° B
	4.30	35° B
	12.40	30° B
	19.40	17° B

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2225N/27E BEARING: DIP: 90° HOLE NO: 12S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 19/8 1975 PROPERTY: Salgganiokka
 CASING: 1,70 m FINISHED: 21/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
0	1,70	Overburden
1,70	3,00	Amphibolite - quite dark - carbonate veins - medium grained 2,10-2,40 mica-rich bed
3,00	9,50	Acid pyroclastic rock 3,00-4,65 Mica-rich - contact with afb is not sharp - Afb- and chlorite-bearing, a little carbonate - sometimes a little po and py-breccia, 2-5% po, <1% py - fine to medium grained 4,65-6,40 Quartz-keratophyre - fine grained - sulphide-breccia, 5-10% py, 2-5% cp, 2-5% po 6,40-7,70 Mica-rich - rare carbonate-veins and omgdules 7,70-9,50 Qtz-keratophyre - py-, carbonate, feldspar, breccia, traces of cp, 30% py
9,50	10,30	Graphitic tuff - py - breccia 50% py - graphitic pebbles are also often filled with py
10,30	14,80	Acid pyroclastic rock 10,30-11,20 Qtz-keratophyre - some py- and Fel-breccia, rare chlorite 11,20-14,80 mica- and chlorite-rich - some more Fel-rich beds, which are brecciated by py (20% py).

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2225N/27E BEARING: DIP: 90° HOLE NO: 12S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 19/8 1975 PROPERTY: Salgganiokka
 CASING: 1.70 m FINISHED: 21/8 1975
 CORE SIZE: 1 Ax 35 mm TESTS (CORRECTED):

From	To	Description
0	1.70	Overburden
1.70	3.00	Amphibolite
3.00	9.50	Acid pyroclastic rock - a little iron sulphides, rare cp 4.65-6.40 Qtz-keratophyre - 5-10% py, 2-5% cp, 2-5% pa
9.50	10.30	Graphitic tuff - py-breccia, 50% py
10.30	14.80	Acid pyroclastic rock - a little py- and FeI-breccia
14.80	30.00	Greenschist
	30.00	End of hole
		The graphitic layer was here only 80 cms thick in this hole, while 20 m ^(hole SW) SE of it the thickness was about 8 m.

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2225N/27E BEARING: DIP: 90 HOLE NO: 12S/177 SHEET NO: 2
 LOGGED BY: E. Kreivi STARTED: 19/8 1975 PROPERTY: Salganjokka
 CASING: 1.70 m FINISHED: 21/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
14.80	30.00	Greenschist
		- narrow Fe- or carbonate-veins, which are
		either following the bedding or crossing it.
	30.00	End of hole
		Core-angles.
	1.80	23° B
	6.90	5° B
	11.70	23° B
	16.50	12° B
	19.80	29° B
	21.50	23° B
	24.60	24° B
	28.30	20° B

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2200N/25E BEARING: _____ DIP: 90° HOLE NO: 13S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 18/8 1975 PROPERTY: Salganjokka
 CASING: 1.80 m FINISHED: 19/8 1975
 CORE SIZE: 1AX 35 mm TESTS (CORRECTED): _____

From	To	Description
0	1.80	Overburden
1.80	8.50	Amphibolite - quite dark - narrow Fel-beds and -veins
8.50	12.40	Acid pyroclastic rock 8.50-11.60 Mica-rich 8.60-8.90 Qtz-vein 11.60-12.40 Qtz-keratophyre - brecciated by py, occasionally cp, 20-30% py 11.50-11.35 70% py
12.40	13.65	Graphitic tuff - brecciated by po, 70% po, 5% py, traces of cp 13.05-13.35 Qtz-keratophyre, brecciated by sulphides 30% po, 20% py, 1% cp
13.65	18.00	Acid pyroclastic with amphibole-rich layers 13.65-14.70 mica-bearing Qtz-keratophyre - some po-breccia 14.70-15.60 Amphibolite - contact is not clear 15.60-18.00 mica-and chlorite-bearing 17.30-17.80 Fel-and Qtz-rich part, some py-breccia
18.00	40.00	Greenschist - narrow Fel-beds and -veins 19.65-19.75 Fel-rich, brecciated by po, 20% po 34.85-35.15 Qtz-Fel-vein 35.15-35.80 Qtz-Fel-rich, py crystals 10% py
	40.00	End of hole
		Core-angles:
	2.40 35° B	18.60 28° B
	4.40 31° B	22.90 14° B
	7.20 60° B	24.90 20° B
	9.40 6° B	26.90 32° B
	10.60 34° B	28.80 40° B
	14.70 40° B	29.80 29° B
	16.90 27° B	31.70 22° B
		34.60 38° B
		36.70 25° B
		38.70 26° B
		39.90 30° B

^/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2200N/25E BEARING: _____ DIP: 90° HOLE NO: 135/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 18/8 1975 PROPERTY: Salganjokka
 CASING: 180 m FINISHED: 19/8 1975
 CORE SIZE: 1AX 35mm TESTS (CORRECTED): _____

From	To	Description
0	1,80	Overburden
1,80	8,50	Amphibolite
8,50	12,40	Acid pyroclastic rock - some py, occasionally cp
12,40	13,65	Graphitic tuff - brecciated by po, 70% po, 5% py, traces of cp
13,65	18,00	Acid pyroclastic with amphibole-rich layers - some po- and py breccia
18,00	40,00	Greenschist - some po and py
	40,00	End of hole
		The graphitic bed in this hole is only 1.25 ms and in the hole 8W 45 ms SE on the same profile the thickness was 5.15 ms.

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2300N/20W BEARING: S55E DIP: 60° HOLE NO: 14S/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 22/8 1975 PROPERTY: Salganjokka
 CASING: 2,80 m FINISHED: 26/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
0	2,80	Overburden
2,80	4,10	Amphibolite
		- quite dark and homogenous
4,10	4,80	Acid pyroclastic rock
		- some mica and chlorite
		- some amphibole - fragments
		- occasionally cp and iron-sulphides
4,80	6,40	Graphitic tuff
		- brecciated by po and py and Fel
		70% po, 5-10% py, rare cp
6,40	7,10	5,85 - 6,20 Mica-rich acid pyroclast
		Mica-rich acid pyroclast
7,10	8,50	Greenschist
		- some mica-rich and acid layers
8,50	14,80	Acid pyroclastic rock
		8,50-9,30 Mica-chlorite-rich, carbonate - bearing
		9,30-12,90 Qtz-keratophyre
		- often brecciated by py, 5-10% py
		- traces of cp
		- light grey, banded
		12,90-14,80 mica- and chlorite-rich
		- some py-crystals
14,80	40,00	Greenschist
		- occasionally iron sulphides
		- Fel-rich bands
		- sometimes thin carbonate-bands and
		-veins and scapolite-porphyroblasts
40,00		End of hole
		Core-angles
		3,70 22° B 23,80 21° B
		7,90 16° B 25,80 27° B
		8,80 21° B 29,60 23° B
		14,90 31° B 30,80 35° B
		15,70 30° B 35,50 40° B
		18,70 29° B 38,50 24° B
		21,80 27° B 39,50 20° B

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2300W/20W BEARING: S55E DIP: 60° HOLE NO: 14S/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 22/8 1975 PROPERTY: Salgganiokka
 CASING: 2.80 m FINISHED: 26/8 1975
 CORE SIZE: 1 AX 35 mm TESTS (CORRECTED):

From	To	Description
0	2.80	Overburden
2.80	4.10	Amphibolite
4.10	4.80	Acid pyroclastics - occasionally cp and iron-sulphides
4.80	6.40	Graphitic tuff - brecciated by po and py and Fel. 70% po, 5-10% py, rare cp
6.40	7.10	Mica-rich acid pyroclastic rock
7.10	8.50	Greenschist
8.50	14.80	Acid pyroclastic rock - some py, traces of cp
14.80	40.00	Greenschist
	40.00	End of hole

This hole was drilled 60° under partly massive
 py-outcrop and to get some geological evidence
 for the fold, which was interpreted by
 geophysics. It was not found py like in the
 outcrop, no fold evidence either.

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2250N/72E BEARING: _____ DIP: 90° HOLE NO: 1 W/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 14/6-75 PROPERTY: _____
 CASING: 1 m FINISHED: 18/6-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED): _____

From	To	Description
0	1.00	Overburden sand and blocks
		Afb-bearing albititic rock, pyroclastic rock
		- homogenous, redish
		- at 1.30 py-po-vein (1,5 cm)
		- S: 25° at 1.20
		- 1.45 - 1.50 py-rich carbonate-vein crossing schistosity
1.50	2.30	Albite-rich rock (pyroclast) brecciated by py-rich carbonate (20% py)
		- some biotite, Fel is redish in colour, medium grained, carbonate is coarse grained.
		1.70 - 1.85 50% coarse grained py
		1.85 - 1.95 pure carbonate with 20-30% py
2.30	3.15	Afb + chlorite-rich albitic rock, brecciated by carbonate and pyrite, 20% py in average, some cp
		- Fel is redish and medium grained, carb is coarse grained
		- py is in narrow veinlets and with carbonate, quite coarse grained
		- cp is associated with py and carbonate
		2.60 - 2.65 5% chalcopyrite
		2.70 - 2.75 5% "
		3.10 - 3.15 5% "
3.15	9.65	Sulphide horizon
		- graphitic rock (tuff), brecciated by sulphides and quartz, in the beginning the rock is py-rich, then po-rich and at last py-rich again.
		- occasionally cp
		3.15 - 3.50 70% py with graphitic balloons and crashed pebbles
		3.50 - 6.10 70% po, 5% py and 0,5% scattered cp, the rest graphite and some qtz
		4.40 - 4.50 very broken rock
		6.10 - 6.25 Afb-rich feldspathic rock with 20% po, occasionally cp and biotite.
		6.25 - 6.50 graphitic rock, 30% po, 5% cp

SALGGANJOKKA

DIAMOND DRILL RECORD

LOCATION: 2250N/72E BEARING: DIP: 90 HOLE NO: 1W/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 14/6-75 PROPERTY
 CASING: 1 m FINISHED: 18/6-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	1.00	Overburden, sand and boulders
1.00	1.50	Afb-bearing albitic rock (pyroclasts) ^{it's not}
1.50	2.30	Albitic-rich rock (pyroclast), brecciated by py-rich carbonate (20% py)
2.30	3.15	Afb + chlorite-rich albitic rock, brecciated by carbonate and py (20% py, some cp)
3.15	9.65	Sulphide horizon - graphite rock (tuff) brecciated by sulphides and quartz
	3.15 - 3.50	70% py
	3.50 - 6.10	70% po, 5% py, 0,5% ep
	6.10 - 6.25	20% po, occasionally cp
	6.25 - 6.50	30% po, 5% cp
	6.50 - 9.65	40-50% py
9.65	13.50	Afb-bearing Fel- and mica-rich rock (pyroclast), carbonate rich sometimes
	13.50	End of hole
<p>The hole is situating 10 ms NW of ep-rich showing and shoot-back-anomaly-maximum. The core had 6.50 ms (3.15 - 9.65) of the same type of sulphide-breccia as in the trenched showing, but not so much of cp.</p>		

1/2 Sulfidmalm

DIAMOND DRILL RECORD

LOCATION: 2250N/72 E BEARING: _____ DIP: 90° HOLE NO: 1 W/1775 SHEET NO: 2
 LOGGED BY: E. Kreivi STARTED: 14/6-75 PROPERTY: _____
 CASING: 1 m FINISHED: 18/6-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED): _____

From	To	Description
		6.50 - 9.65 40-50% py, 30% qtz. and the rest graphitic pebbles
		- py and qtz. medium grained
		- B: 20° at 6.55.
9.65	13.50	Afb-bearing Fel- and mica-rich rock, pyroclastic rock carbonate sometimes.
		- medium grained to fine grained
		- redish or grayish
		- B: 25 at 11.50 and 12.30
		- lost core: 30 cm 9.00 - 12.30
		30 cm 10.30 - 10.80
		45 cm 10.80 - 11.30
		- 5% cp at 10.80 (the only 2 cms) long piece, which came up)
		- has also mica-rich layers.
	13.50	End of hole
		<u>Core Angles</u>
		1.20 25° S
		6.55 20° B
		11.50 25° B
		12.30 25° B

^/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2277 N/51 E BEARING: DIP: 90 HOLE NO: 2W/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 18/6-75 PROPERTY
 CASING: 1 m FINISHED: 27/6-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	1.00	Overburden, peat, gravel and blocks
1.00	5.00	Quartz-keratophyre, brecciated by pyrite - B: 25° at 3.10 - light gray, Fe- and mica-rich layers, medium to fine grained. - 10% - 20% py 1.05 - 1.18 almost massive py (90% py) 1.58 - 1.65 " " " 1.83 - 2.05 80-90% py with qtz.- pebbles 2.11 - 2.16 massive py 2.53 - 2.80 almost massive py 3.36 - 3.65 narrow graphite-layers Lost core 10 cm 2.80 - 3.75 4.10 - 4.35 80% py 4.80 - 4.95 70-80% py
5.00	8.15	Graphitic rock, brecciated by py and qtz., minor po. - graphite-pebbles are often filled by py. - 70-80% py Lost core 40 cms 5.00 - 5.85 6.27 - 6.35 Qtz.-keratophyre-layer, brecciated by py
8.15	8.70	Qtz.-keratophyre, brecciated by py (10% py) 8.53 - 8.57 massive py
8.70	13.50	Feldspar-rich mica- and Afb-bearing rock (pyroclastic) carbonate sometimes. - B: 57° at 10.20 - py-impregnation, less than 10% py - redish, fine grained. 10.30 - 10.35 qtz.-keratophyre, 5% py 11.00 - 11.45 " " " " Lost core 90 cm 11.70 - 12.60 (?) 12.60 - 12.85 amphibolitic layer - S: 28° at 12.80 12.85 - 13.50 more Afb-bearing rock
3.50	14.60	Amphibolite

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2277 N/51 E BEARING: DIP: 90 HOLE NO: 2W/1775 SHEET NO: 1.A
 LOGGED BY: E. Kneivi STARTED: 18/6-75 PROPERTY:
 CASING: 1 m FINISHED: 27/6-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	1.00	Overburden peat, gravel and blocks
1.00	5.00	Quartz-keratophyre, brecciated by pyrite - 10-20% py
5.00	8.15	Graphitic rock, brecciated by py and Qtz.-minor po - 70-80% py
8.15	8.70	Qtz.-keratophyre, brecciated by py - 10% py
8.70	13.50	Feldspar-rich mica- and Afb-bearing rock (pyroclastic), carbonate sometimes
13.50	14.60	Amphibolite
	14.60	End of hole
		The graphitic layer with sulphide-breccia was here only 3.15 ms (5.00-8.15) thick with just traces of chalcopyrite.

Salgganjokka

1/2 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2277 N/51, E BEARING: DIP: 90 HOLE NO. 2W/1775 SHEET NO. 2
 LOGGED BY: E. Kreivi STARTED: 18/6-75 PROPERTY
 CASING: 1" m FINISHED: 27/6-75
 CORE SIZE: Ex. 22 mm TESTS (CORRECTED):

From	To	Description
		- S: 23° at 13.80
		- medium grained, dark green
14.60		End of hole
		Core angles :
	3.10	25° B
	10.20	15.7° B
	12.80	28° S
	13.80	23° S

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2300N/20W BEARING: DIP: 90 HOLE NO: 3W/177 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 27/6-75 PROPERTY
 CASING: 1 m FINISHED: 30/6-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	1.00	Overburden sand and boulders
1.00	2.90	Amphibolite - medium to fine grained - bedded B: 25° at 2.40 1.00 - 1.30 quite fine grained, dark, homogenous 1.30 - 2.00 a little lighter and partly more coarse grained 2.70 - 2.90 fine grained, more acid
2.90	3.70	Acid pyroclasts (quartz-keratophyre) - the contact quite sharp - quite fine grained - po-impregnation (2-5% po), occasionally py, traces of cp - brownish, a little of amphibole, a lot of light feldspar, - up to 1 cm thick po-rich layers in places,
3.70	4.00	Graphite-bearing acid tuff with sulphide-breccia (50-60% sulphides) mainly po, a little of py and cp
4.00	4.30	Quartz-keratophyre with 5% po
4.30	5.12	Graphitic tuff, brecciated by sulphides, mainly po (70-90% po), a little of py and cp (~ 1% cp) 4.30 - 4.40 massive po 4.50 - 4.60 Qtz-rich part, 10% po + py, traces of cp 4.60 - 4.80 py-rich part, 40% po, 30% py and 5% cp with graphitic pebbles, 4.80 - 4.95 80-90% po with a little of py and cp 4.95 - 5.12 40% po
5.12	6.90	Acid pyroclastic rock - brownish and greenish - Fe-rich, Afb-bearing - po-impregnation 5% - B: 25° at 5.50 Lost core 50 cms 6.00 - 6.90
6.90	7.60	Amphibolite - quite fine grained, dark, homogenous

DIAMOND DRILL RECORD

LOCATION: 2300N/20W BEARING: DIP: 90 HOLE NO: 3W/1775 SHEET NO: 1 a
 LOGGED BY: E. Kreivi STARTED: 27/6-75 PROPERTY
 CASING: 1 m FINISHED: 30/6-75
 CORE SIZE: EX 22 mm TESTS (CORRECTED):

From	To	Description
0	1.00	Overburden sand and boulders
1.00	2.90	Amphibolite
2.90	3.70	Quartz-keratophyre 2-5% po, occasionally po, traces of cp
3.70	4.00	Graphite-bearing acid tuff with sulphide-breccia (50-60% sulphides), mainly po, a little of py and cp.
4.00	4.30	Quartz-keratophyre with 5% po
4.30	5.12	Graphitic tuff, brecciated by sulphides, mainly po (60-70% po), a little of py and cp (~ 1% cp)
5.12	6.90	Acid pyroclast po-impregnation (5% po)
6.90	7.60	Amphibolite
7.60	9.60	Mica- and Afb-rich pyroclastic rock weak impregnation of po and py
9.60	11.55	Qtz-keratophyre py-impregnation and a little of py-breccia.
	11.55	End of hole
		The hole was drilled 20 ms NW of the showing of massive py and shoot-back-anomaly-maximum. Stopped because of too hard rock for Winkie-drill. Obviously we did not reach the main conductor.

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2300N/20W BEARING: DIP: 90 HOLE NO: 3W/177 SHEET NO: 2
 LOGGED BY: E. Kreivi STARTED: 27/6-75 PROPERTY
 CASING: 1 m FINISHED: 30/6-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
7.60	9.60	Mica- and Afb-rich pyroclastic rock - weak impregnation of po and py - narrow veins of carbonate - brownish 8.15 - 8.25 carbonate with pybreccia (10% py) occasionally cp
9.60	11.55	Quartz-keratophyre - quite white, quite fine grained - Fe-rich - py-impregnation and a little py-breccia 10.20 - 10.35 white, qtz-rich, 10% lost core
	11.55	End of hole
		Core angles
	2.40	25° B
	5.50	25° B

IS SUKUTAWA IV

DIAMOND DRILL RECORD

LOCATION: 2250N/2W BEARING: DIP: 90 HOLE NO: 4W/1775 SHEET NO: 1
 LOGGED BY: H. Kneivi STARTED: 30/6-75 PROPERTY: FINISHED: 3/7-75
 CASING: 0,80 m TESTS (CORRECTED):
 CORE SIZE: Ex 22 mm

From	To	Description
0	0,80	Overburden sand and boulders
0,80	1,25	Amphibolite - medium grained, little schisted, homogenous - 60% Afb., 40% Fel
1.25	2.00	Mica schist - scapolite-impregnation, narrow quartzosebeds, scattered py 1.40 - 1.41 py-vein B: 16° at 1.75
2.00	8.50	Lost core 2.00 - 3.00 ? Quartz-keratophyre, lost core 5% - quite light, py-breccia (5% py), medium to fine grained, little reddish
	8.50	End of hole.
		Stopped, because of too hard rock for Winkie.
		Core angel: 1.75 16° 3

1/8 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2220N/48E BEARING: DIP: 90 HOLE NO: SW/1775 SHEET NO:
 LOGGED BY: E. Kneivi STARTED: 3/7-75 PROPERTY:
 CASING: No overburden FINISHED: 5/7-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
	18.30	End of hole
		Core angles:
	0.90	10° B
	7.20	16° B
	8.40	24° B
	16.00	57° B
	16.40	22° B
	17.70	20° B

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2220N/48E BEARING: DIP: 90 HOLE NO: 5W/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 3/7-75 PROPERTY
 CASING: No overburden FINISHED: 5/7-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	7.40	Amphibolite - dark, medium grained, homogenous - a little mica and po-impregnation - B: 10° at 0,9 and 16° at 7.20 - more Fel-rich layers in the bottom
7.40	7.55	Quartz keratophyre - the contact with amphibolite is not sharp - fine to medium grained, 5-10% po-impregnation
7.55	15.50	Graphite-bearing acid tuff - sulphide-breccia, mainly py and po and a little of cp - 7.55 - 11.05 py 30-50%, po 10%, graphite 50-30%, Fel- and Qtz 10%, occasionally cp - B: 24° at 8.40 - 10.40 - 10.70 Afb- and po-bearing acid tuff - 11.05 - 11.40 Qtz- and Fel-rich, graphite-bearing tuff with 5-10% po - 11.40 - 12.50 graphite-rich rock with Qtz- and Fel- and sulphide-breccia - 10-20% py, 30-50% po - 11.50 - 11.55 5-10% cp - 11.60 - 11.70 70% po, 20% cp, 10% graf. + Fel. - 11.70 - 11.80 170% po, 30% graf. + Fel. - 12.00 - 12.50 40-50% po, a little py, 2-5% cp - 12.50 - 15.50 po-breccia with scattered py and cp - 70-90% po, 2-5% py, 2-3% cp, 10% Fel + Qtz., cp is often with py-grains - scattered grains of Afb. - 15.15 - 15.25 15% cp, 5% po, 80% Fel + Qtz.
15.50	16.40	Acid pyroclastic rock - a little chlorite and Afb, mica-rich layers - scattered py - B: 57° at 16.00, 22° at 16.40 - medium grained
16.40	18.30	Green schist - po-impregnation - contact is not sharp - chlorite-rich beds - B: 20° at 17.70

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2220N/48E BEARING: DIP: 90 HOLE NO: 5W/1775 SHEET NO: 1a
 LOGGED BY: E. Kneivi STARTED: 3/7-75 PROPERTY
 CASING: No overburden FINISHED: 5/7-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	7.40	Amphibolite
7.40	7.55	Quartz-keratophyre - 5 - 10% po-impregnation
7.55	15.50	Graphite-bearing acid tuff - sulphide-breccia, mainly py and po, a little of cp - 7.55 - 11.05 30-50% py, 10% po, occasionally cp - 11.40 - 12.50 10-20% py, 30-50% po - 11.50 - 11.55 5-10% cp - 11.60 - 11.70 70% po, 20% cp - 11.70 - 11.80 70% po - 12.00 - 12.50 40-50% po, a little py, 2-5% cp - 12.50 - 15.50 70-90% po, 2-5% py, 2-3% cp - 15.15 - 15.25 5% po, 15% cp
15.50	16.40	Acid pyroclastic rock
16.40	18.30	Green schist - po-impregnation
	18.30	End of hole
		(7.55-15.50) Sulphide-rich zone is 8.45 ms thick, in this case having chalcopyrite in a permissing amount. The hole is situating 27 ms Nw of the shoot-back- anomaly-maximum.

1/8 Sulfidmalm

DIAMOND DRILL RECORD

LOCATION: 2244N/80E BEARING: DIP: 90 HOLE NO: 6W/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 5/7-75 PROPERTY:
 CASING: No overburden FINISHED: 11/7-75
 CORE SIZE: Ex. 22 mm TESTS (CORRECTED):

From	To	Description
0	6.60	Graphitic Fel- and Qtz-bearing tuff, brecciated by sulphides (30-50% mainly py, occasionally cp)
	0. - 0.10	2-5% cp, 5% po, rest Fel, Qtz. and some graphite
	0.10 - 0.40	30-70% po, 20% py, occasionally cp, py-crystals in po, graph. 30-50%
	0.40 - 0.60	graphite-rich, 30% py
	0.60 - 1.00	qtz-keratophyre
	0.60 - 0.70	30% cp, 30% po, rest Fel + Qtz.
	1.00 - 6.60	30-50% py, some po, occasionally cp, rest graphite, Fel and Qtz.
	5.50 - 5.75	graphite, filled by fine grained py, 80% py
	5.90 - 6.10	graphite, filled by fine grained py, 80% py
	B: 45° at 1.00, 13° at 3.20	
6.60	7.65	Amphibolite
		- medium grained, quite dark
		- contact is not sharp
		- po-impregnation
		- B: 20° at 7.50
7.65	8.50	Banded acid pyroclastic rock
		- chlorite- and mica-rich bands
		- scattered Afb
		- po-impregnation
8.50	9.00	Chlorite-mica-schist
		- non homogenous
		- B: 25° at 8.70
	9.00	End of hole
		Core angles:
	1.00	45° B
	3.20	13° B
	7.50	20° B
	8.70	25° B

SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2244N/80E BEARING: DIP: 90 HOLE NO: 6W/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 5/7-75 PROPERTY:
 CASING: No overburden FINISHED: 11/7-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	6.60	Graphitic Fel- and Qtz-bearing tuff, brecciated by sulphides (30-50% mainly py, occasionally cp)
	0. - 0.10	2-5% cp, 5% po
	0.10 - 0.40	30-70% po, 20% py, occasionally cp
	0.40 - 0.60	30% py
	0.60 - 0.70	30% cp, 30% po
	1.00 - 6.60	30-50% py, some po, occasionally cp
	5.50 - 5.75	80% py
	5.90 - 6.10	80% py
6.60	7.65	Amphibolite
		- po-impregnation
7.65	8.50	Banded acid pyroclastic rock
		- chlorite- and mica-rich bands
		- po-impregnation
8.50	9.00	Chlorite-mica-schist
	9.00	End of hole
<p>The hole was drilled on the showing. Cp seems to be just in places. The core did not have so much of copper-minerals as we can see in the showing.</p>		

7's SULTIDVALM

DIAMOND DRILL RECORD

LOCATION: 2250 N/80 E BEARING: N 65 E DIP: 45° HOLE NO: 7W/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 11/7-75 PROPERTY: _____
 CASING: No overburden FINISHED: 18/7-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED): _____

From	To	Description
0	5.20	Graphitic Fel- and qtz-bearing tuff, brecciated by sulfides - 30-80% py, 5-20% po, ~ 1% cp 0.30 - 1.50: 40-70% po, 1% cp - B: 50° at 1.80 1.90 - 2.15: 2-5% cp, 30% po, 30% py - graphitic pebbles are partly filled by py - graphitic pebbles are often crushed lost core 40 cm 3.00 - 4.00
5.20	5.80	Banded chlorite-mica-schist - po-impregnation
5.80	9.90	Amphibolite (greenschist) - contact not clear - B: 47° at 7.40 7.80 - 8.40 lost core - quite dark and homogenous 9.75 - 9.85 qtz-keratophyre - B: 47° at 9.40
	9.90	End of hole
		Core angles
		1.80 50° B
		7.40 47° B
		9.40 47° B

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2250 N/80 E BEARING: N65E DIPI: #49 HOLE NO: 7W/1775 SHEET NO: a
 LOGGED BY: E. Kneivi STARTED: 11/7-75 PROPERTY:
 CASING: No overburden FINISHED: 18/7-75
 CORE SIZE: Ex 22 mm TESTS (CORRECTED):

From	To	Description
0	5.20	Graphitic Fel- and Qtz-bearing tuff, brecciated by sulfides - 30-80% py., 5-20% p., 1% cp
5.20	5.80	Banded chlorite-mica-schist - po-impregnation
5.80	9.90	Amphibolite (greenschist)
	9.90	End of hole
The hole was drilled on the showing.		

1/6 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2200N/70E BEARING: DIPI: 90° HOLE NO: 8W/1775 SHEET NO: 1
 LOGGED BY: E. Kreivi STARTED: 18/7 1975 PROPERTY: Salgganjokka
 CASING: 1.65 m FINISHED: 25/7 1975
 CORE SIZE: EX 22 mm TESTS (CORRECTED):

From	To	Description
0	1.65	Overburden
1.65	3.60	Amphibolite - medium grained - dark greenish in colour - narrow Fel- and Qtz-veins - weak po-impregnation 2.15-2.40 Qtz-vein - B 8° at 1.70
3.60	4.35	Acid pyroclastic rock - contact with afb is not sharp - Afb-, chlorite- and mica-bearing specially near the amphibolite - fine grained - more acid in the bottom - weak po-impregnation - 60% Fel, 40% Qtz
4.35	9.50	Graphitic tuff - brecciated by sulphides and Fel and Qtz - 40-60% sulphides, 30-40% py, 10-20% po, traces of cp 4.00-5.00 lost core 60 cm 4.35-4.45 50% po 4.45-5.00 core-lost 5.00-5.90 core-lost 40 cm 5.00-7.60 very brecciated, graphitic pebbles often filled with po 8.40-9.50 " 50% po, 30% py 9.15-9.25 massive po
9.50	14.55	Quartz-keratophyre - a little brownish coloured, fine grained - 80% Fel, a little chlorite, mica and Qtz - B: 27° at 9.80 - some py. (2%) - breccia in places a little cp

1/5 SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2200N/70E BEARING: DIPI: 90° HOLE NO: SW/1775 SHEET NO: 1a
 LOGGED BY: E. Kreivi STARTED: 18/7 1975 PROPERTY: Salgganiokka
 CASING: 1.65 m FINISHED: 25/7 1975
 CORE SIZE: EX 22 mm TESTS (CORRECTED):

From	To	Description
0	1.65	Overburden
1.65	3.60	Amphibolite
3.60	4.35	Acid pyroclastic rock - weak po-impregnation
4.35	9.50	Graphitic tuff - 30-40% py, 10-20% po, traces of cp
9.50	14.55	Quartz-keratophyre - some py-breccia in places, a little cf cp
14.55	18.65	Greenschist
	18.65	End of hole
<p>The hole was drilled 20 ms NW of a cp-bearing showing on the bottom of Salggan-river, 50 ms SW of the trench.</p>		

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 2200N/70E BEARING: Dip: 90° HOLE NO: 8W/1775 SHEET NO: 2
 LOGGED BY: E. Kreivi STARTED: 18/7 1975 PROPERTY: Salganjoikka
 CASING: 1.65 m FINISHED: 25/7 1975
 CORE SIZE: EX 22 m TESTS (CORRECTED):

From	To	Description
		11.00-11.40 Afb + chlorite-rich
		9.70- 9.80 1% cp
		12.20-12.60 10% py
		13.00-14.00 10% py
		13.70-13.80 70% py
14.55	18.65	Greenschist
		- non-homogenous, brecciated by Fel
		- sometimes mica-rich, some garnets
		14.55-15.00 Core-lost
		16.50-16.65 "
		- more homogenous in the bottom
		B: ~ 0 at 18.50
	18.65	End of hole
		Core-angles
		1.70 8° B
		9.80 27° B
		18.50 0 B

Projekt nr. 1775

Date 20/7 1975

Innsendt av: E. Kocum

No	Prove- nr.	Lokalitet	Provetype	Beskr.	11"					Bemerk:		
					Ni	CU	Ca	Mg	Fe			
1778	1w/1-2	Salgymjått	Drill core		0.11	<0.05	x	x	x			
1779	1w/2-2.5	"	"		0.14	<0.05	x	x	x			
1780	1w/2.5-3	"	"		0.15	<0.05	x	x	x			
1781	1w/3-4	"	"		0.20	0.30	x	x	x			
25583	1w/4-4.5	"	"		0.10	0.27	0.006	0.0012	0.01	23.7	<0.2	
1782	1w/4.5-5	"	"		0.16	0.20	x	x	x			
25584	1w/5-5.5	"	"		0.11	0.43	0.003	0.002	0.01	3	27.1	
1783	1w/5.5-6	"	"		0.13	0.20	x	x	x			
25585	1w/6-6.5	"	"		0.06	0.72	0.004	0.003	0.007	2	15.1	
1784	1w/6.5-7	"	"		0.17	<0.05	x	x	x			
25586	1w/7-7.5	"	"		0.04	0.08	0.010	0.005	0.002	2	27.8	
1785	1w/7.5-8	"	"		0.20	<0.05	x	x	x			
25587	1w/8-8.5	"	"		0.05	0.05	0.017	0.004	0.01	2	32.3	
1786	1w/8.5-9	"	"		0.18	<0.05	x	x	x			
25588	1w/9-9.5	"	"		0.05	0.06	0.013	0.003	0.01	3	33.5	<0.2

— means no sample

MERKNINGER TIL LAB:

Analyse only for Ni, Cu

Detle skjema skal sendes i egen
lutt sammen med prøvene til
Kristiansundkonsernet, og det skal
lage kopper til Oslo-kontoret og til
Prøvene fra forskjellige prosjekt, send
egne skjema.

1775

Date 20/7 - 1975

Innsendt av: E. Kreier

No	Lokalitet	Provetype	Beskr.	Analyse										Bemerk:	
				N	C	S	Zn	P	Mg	Ca	K	Na	Cl		
1787	1w/9.5-10	Selvsjøen	Drill core	0.18	<0.05	x	x	x	x	x	x	x	x	x	
1788	1w/10-12	"	"	0.06	<0.05	x	x	x	x	x	x	x	x	x	
1789	1w/12-13	"	"	0.09	<0.05	x	x	x	x	x	x	x	x	x	
1790	1w/13-13.5	"	"	<0.05	<0.05	x	x	x	x	x	x	x	x	x	
1791	2w/1-2	"	"	0.16	<0.05	x	x	x	x	x	x	x	x	x	
1792	2w/2-3	"	"	0.20	<0.05	x	x	x	x	x	x	x	x	x	
1793	2w/3-3.5	"	"	0.12	<0.05	x	x	x	x	x	x	x	x	x	
1794	2w/3.5-4	"	"	0.21	<0.05	x	x	x	x	x	x	x	x	x	
1795	2w/4-5	"	"	0.15	0.08	x	x	x	x	x	x	x	x	x	
25589	2w/5-5.5	"	"	0.07	0.05	0.04	0.002	0.005	2	31.4	x	x	x	x	
1796	2w/5.5-6	"	"	0.49	<0.05	x	x	x	x	x	x	x	x	x	
25590	2w/6-6.5	"	"	0.06	0.045	0.01	0.01	0.002	2	33.8	x	x	x	x	
1797	2w/6.5-7	"	"	0.21	<0.05	x	x	x	x	x	x	x	x	x	
25591	2w/7-7.5	"	"	0.04	0.045	0.008	0.005	0.01	2	34.5	<0.2	x	x	x	
1798	2w/7.5-8	"	"	0.25	<0.05	x	x	x	x	x	x	x	x	x	

— means no sample
 analyse only for Ni, Cu

MERKNINGER TIL LAB:

Detta skjema skal sendes i egen
 litt sammen med prøvene til
 Kristiansandkontoret, og etterarbeid
 lage kopier til Oslokontoret og i
 prøvene for forskjellige prosjekt, og
 ett skjema.

Projekt nr. 1775

Date 20/7-75

Innsendt av: E. Kve. 01

No.	Prøve- nr.	Lokalitet	Prøvetype	Beskr.	Analyse										Bemerk:	
					Mi	Co	Fe	Mn	P	S	Si	Al	Ca	Mg		
1799	2w/ 8-9	Saltgranjette	Drill core		0.18	<0.05	<	<	<	<	<	<	<	<	<	
1800	2w/ 9-10	"	"		0.09	<0.05	<	<	<	<	<	<	<	<	<	
1801	2w/ 10-11	"	"		0.11	<0.05	<	<	<	<	<	<	<	<	<	
1802	2w/ 11-12	"	"		0.10	<0.05	<	<	<	<	<	<	<	<	<	
1803	2w/ 12-13	"	"		0.05	<0.05	<	<	<	<	<	<	<	<	<	
1804	2w/ 13-14	"	"		0.07	<0.05	<	<	<	<	<	<	<	<	<	
1805	2w/ 14-15	"	"		0.07	<0.05	<	<	<	<	<	<	<	<	<	
1806	3w/ 1-2	"	"		0.29	0.35	<	<	<	<	<	<	<	<	<	
1807	3w/ 2-3	"	"		0.10	<0.05	<	<	<	<	<	<	<	<	<	
1808	3w/ 3-3.5	"	"		0.14	0.09	<	<	<	<	<	<	<	<	<	
1809	3w/ 3.5-4	"	"		0.23	0.46	<	<	<	<	<	<	<	<	<	
25592	3w/ 4-4.5	"	"		0.07	0.09	0.03	0.002	0.002	0.002	2	16.4	<	<	<	
1810	3w/ 4.5-5	"	"		0.18	0.44	<	<	<	<	<	<	<	<	<	
1811	3w/ 5-5.5	"	"		0.11	0.10	<	<	<	<	<	<	<	<	<	
1812	3w/ 5.5-6	"	"		0.12	<0.05	<	<	<	<	<	<	<	<	<	

— means no sample
 Analysis only for Mi, Co

NBEMERKNINGER TIL LAB.:

Detto skjema skal sendes i egen
 lutt sammen med prøvene til
 Kongsberg skolelaboratoriet, og medfølgende
 lage kopier til Geologkontoret og til
 Prøvens forskjellige prosjekt, samt
 sjøtt skjema.

Prøve nr. 1995

Dato 20/7. 75

Transmitter: E. Kreivi

No.	Prøve- nr.	Lokalitet	Provetype	Beskr.	Ni	Cu	Fe Zn Pb Co S					Bemerk:	
1813	3w/ 2-8	Selkänpää	Drill core		0.07	<0.05							
1814	3w/ 8-9	"	"		0.07	<0.05							
1815	3w/ 9-10	"	"		0.08	<0.05							
1816	3w/ 10-11	"	"		0.05	<0.05							
1817	3w/ 11-11.5	"	"		0.07	<0.05							
1818	4w/ 0.5-1	"	"		0.06	<0.05							
1819	4w/ 1-2	"	"		0.08	<0.05							
1820	4w/ 3-4	"	"		0.07	<0.05							
1821	4w/ 4-5	"	"		0.08	<0.05							
1822	4w/ 5-6	"	"		0.08	<0.05							
1823	4w/ 6-7	"	"		0.06	<0.05							
1824	4w/ 7-8	"	"		0.06	<0.05							
1825	5w/ 0-1	"	"		0.08	<0.05							
1826	5w/ 1-2	"	"		<0.05	<0.05							
1827	5w/ 2-3	"	"		0.05	<0.05							

MERKNINGER TIL AB.:

Analyse only for Ni, Cu
(90 samples)

Detta skämta skal sendas i 2 delar
till samman med provene till
Kritikskandinaviska och tekniska
laboratoriet till Oskokontoret i
Helsingfors för jämförelse. Provet ska
föras till Helsingfors.

objekt nr. 1775

Dato 20/9-75

Innsendt av: E. Kreivi

Nr.	Pröve- nr.	Lokalitet	Provetyper	Beskr.	Kv							Bemerk:		
					Ni	Ca	Fe	Zn	Pb	Mn	As			
1828	5w/3-4	Salmijoki	Drill core		0.06	<0.05								
1829	5w/4-5	"	"		<0.05	<0.05								
1830	5w/5-6	"	"		0.07	<0.05		x	x	x	x			
1831	5w/6-7	"	"		<0.05	<0.05		x	x	x	x			
1832	5w/7-8	"	"		<0.05	<0.05		x	x	x	x			
1833	5w/8-9	"	"		0.10	0.07		x	x	x	x			
25593	5w/8-10	"	"		0.039	0.07	0.011	0.002	0.01	2	19.7	0.2		
1834	5w/8-9	"	"		0.10	0.06								
25594	5w/9-9.5	"	"		0.54	0.13	0.012	0.009	0.01	2	21.0			
1835	5w/9.5-10	"	"		0.12	<0.05								
25595	5w/10-12.5	"	"		0.03	0.06	0.012	0.003	0.008	2	22.7			
1836	5w/10.5-11	"	"		0.13	0.07								
25596	5w/11-11.5	"	"		0.03	0.07	0.003	0.002	0.005	1	10.5			
1837	5w/11.5-12	"	"		0.11	1.32								
25597	5w/12-12.5	"	"		0.07	0.75	0.007	0.002	0.01	2	20.4			

means no sample

ANMÄRKNINGAR TIL LAB:

Analyse only for Ni, Ca
(22 samples)

Detta skicka skal sendes i egen
lukk sammen med prøvene til
Kvikkonkontoret, ved motagelse
lagt henvis til Salvarvannet og til
Prøvene for forskjellige prøver, og
med skema.

Objekt nr. 1775 Dato 20/2-75 Innsendt av: E. Kreivi

Nr.	Prövn.-nr.	Lokalitet	Prövotype	Beskn.	Analyse										Bemerk:	
					Ni	Co		
1838	5W/13-13	Salmavädd	Dull core		0.152	0.32										
25598	5W/13-13.5	"	"		0.28	0.35	0.014	0.004	0.002	3	27.2					
1839	5W/13.5-14	"	"		0.20	0.54										
25599	5W/14-14.5	"	"		0.07	0.21	0.002	0.002	0.002	3	26.7	<0.2				
1840	5W/14.5-15	"	"		0.18	0.20										
25600	5W/15-15.5	"	"		0.22	0.41	0.007	0.002	0.002	2	20.9					
1841	5W/15.5-16	"	"		0.05	0.16										
1842	5W/16-17	"	"		0.36	0.25										
1843	5W/17-18	"	"		0.14	0.06										
25601	6W/18-20.5	"	"		0.23	0.55	0.034	0.003	0.002	0	27.4					
1844	6W/20.5-1	"	"		0.27	1.48										
25602	6W/1-1.5	"	"		0.05	0.17	0.005	0.002	0.002	2	12.4					
1845	6W/1.5-2	"	"		0.16	0.29										
25603	6W/2-2.5	"	"		0.25	0.27	0.034	0.002	0.01	2	31.0					
1846	6W/2.5-3	"	"		0.18	0.13										

ANMÄRKNINGAR TIL LAB.:

— means no sample
 Analyse only for Ni-Co
 for samples

Detta skjema skal sendes i en
 luft sammen med prøvene til
 Kvikensambitontoret, ved mestersk
 Lars Kvalter til Gulvkontoret og
 Physica for forskjellige prøvetyper

Objekt nr. 1975

Dato 20/7-75

Innsendt av: E. Kivini

No.	Prøve- nr.	Lokalitet	Prøvetype	Beskr.	Ni					Cu	S	Zn	P	O	S	Bemerk:
					0.01	0.02	0.03	0.04	0.05							
25604	6W/ 3-3.5	Salogruv	Drill core		0.13	0.073	0.013	0.004	0.007	1	17.1					
1847	6W/ 3.5-4	"	"		0.22	<0.05	x	✓	✓							
25605	6W/ 4-4.5	"	"		0.14	0.05	0.003	0.003	0.009	2	27.4					
1848	6W/ 4.5-5	"	"		0.27	<0.05	x	✓	✓							
25606	6W/ 5-5.5	"	"		0.05	0.035	0.009	0.004	0.009	2	33.7					
1849	6W/ 5.5-6	"	"		0.28	<0.05	x	✓	✓							
25607	6W/ 6-6.5	"	"		0.05	0.019	0.012	0.006	0.009	2	33.7					0.9
1850	6W/ 6.5-7	"	"		0.30	0.18	x	✓	✓							
1851	6W/ 7-8	"	"		0.29	0.08	x	✓	✓							
1852	6W/ 8-9	"	"		0.18	<0.05	x	✓	✓							
1853	6W/ 9-0.5	"	"		0.26	0.38	x	✓	✓							
1854	6W/ 0.5-1	"	"		0.22	0.63	x	✓	✓							
1855	6W/ 1-1.5	"	"		0.18	0.68	x	✓	✓							
1856	6W/ 1.5-2	"	"		0.20	0.28	x	✓	✓							
1857	6W/ 2-2.5	"	"		0.18	0.47	x	✓	✓							

— means no sample

ANMERKNINGER TIL LAB.:

Analyse only for Ni-Cu
(20 samples)

Detta stycke skal sendes i egen
luft sammen med prøvene til
Kristiansundbiontorst, v. Hatteland
for kopier til Oslo. Prøvene
Prøvene er langjellige. Skil, som
ett stykke.

Projekt nr: 1795

Dato: 20/2 - 175

Innsendt av: E. Kreiv

Nr.	Prøve nr.	Lokalitet	Prøvetype	Beskr.	Ni	Cu	Co	Zn	Pb	Ag	S	Bemerk:
1858	FW/2.5-2	Sulgeanicht	Drill core		0.21	0.19						
1859	FW/3-3.4	"	"		0.38	0.20						
1860	FW/4-4.1	"	"		0.22	0.32						
1861	FW/4.5-5	"	"		0.17	0.05						
1862	FW/5-5.5	"	"		0.35	0.34						
1863	FW/5.5-6	"	"		0.13	<0.05						
1864	FW/6-2	"	"		0.11	<0.05						
1865	FW/7-7.8	"	"		0.16	<0.05						
1866	FW/8.1-9	"	"		0.10	<0.05						
1867	FW/9-9.9	"	"		0.12	0.05						

7.A.

BEMERKNINGER TIL LAB:

Analysis only for Ni, Cu
(90 samples)

Detta signala skal sendes i en
lutt sammen med prøvene til
Kristiansandkontoret og motte-
lane kopier til Oslokontoret.
Prøvene fra forskjellige prøveste-
der skal sendes til samme prøveste-
de.

Udsigt nr. *Klass 1775* Date *31/8 1975* Innsendt av: *E. Kreier*

No.	Støve- nr.	Lokalitet	Provetyp:	Beskr.	Ni		Lu			Bemerk:
55	8w/ 5-6	Selgøanpbb.	Prøll-ens		0.14	0.32				
59	8w/ 6-7	"	"		0.16	0.19				
60	8w/ 7-8	"	"		0.14	0.19				
61	8w/ 8-9	"	"		0.15	0.22				
62	8w/ 9-10	"	"		0.18	0.31				
63	115/ 5-6	"	"		0.10	0.07				
	115/ 6-7	"	"		0.14	0.32				
	115/ 7-8	"	"		0.15	0.14				
	115/ 8-9	"	"		0.12	0.22				
	115/ 9-10	"	"		0.11	0.19				
	115/ 10-11	"	"		0.08	0.24				
	125/ 5-6	"	"		0.16	1.0				
	125/ 7-8	"	"		0.07	0.05				
	125/ 10-10.5	"	"		0.11	0.25				
	125/ 13-12	"	"		0.10	0.21				

KRISTENINGER TIL LAB.:

J.A.

Dette skema skal sendes i en
lufttæt kasse med prøver til
Kritiksanalyselaboratoriet
1001 København Ø
Prøverne skal forsegles og mærkes

GEOLOGINEN LABORATORIO

LOK: 29.7.1975.
 ANALYSÖIJÄ: TH
 TILAAJA: TAM
 NÄYTTEIDEN LAATU:
 ALUE: NOKKA

ATOMIAESORITIOANALYYSIEN TULOKSIA

HITTOISUUSKSIKKO 114
 DESIMAALIHILKUN YKSIKKÖ 0000,
 FE: JA S: HITTOISUUSKSIKKO 2
 DESIMAALIHILKUN YKSIKKÖ FE: -
 LAIENNUS: LUKU HITTOISUUDEN JALJESSA OSOITTAA,
 KUINKA MONTA NUMEROA DESIMAALIHILKKO SIIRTYY OIKEALLE.

N:o	CU	ZN	NI	CO	PB	AG	S
75-25583	0270 1	0019	1035	0066	0102	0002	23,7
75-25584	0485 1	0021	1057	0175	0101	0003	22,1
75-25585	0719 1	0030	0586	0035	0074	0002	15,1
75-25586	0343	0028	0425	0164	0034	0002	29,8
75-25587	0546	0037	0531	0170	0115	0002	38,3
75-25588	0642	0033	0474	0135	0141	0003	32,5
75-25589	0500	0031	0688	0413	0052	0002	31,4
75-25590	0454	0028	0653	0607	0024	0002	32,8
75-25591	0452	0047	0359	0532	0111	0002	34,5
75-25592	0269	0020	0752	0310	0075	0002	16,4
75-25593	0232	0021	0351	0135	0113	0002	12,9
75-25594	1324	0035	0415	0131	0143	0002	22,0
75-25595	0664	0025	0339	0182	0033	0002	25,7
75-25596	0706	0024	0276	0083	0050	0001	10,5
75-25597	0752 1	0031	0639	0065	0102	0002	20,4
75-25598	0354 1	0037	0300	0135	0034	0003	27,7
75-25599	0911 1	0036	0733	0023	0023	0003	26,7
75-25600	0241 2	0035	0620	0071	0036	0002	20,9
75-25601	0565 1	0031	0336	0239	0074	0002	27,4
75-25602	1737	0021	0472	0049	0073	0002	18,4
75-25603	1992	0064	0625	0341	0105	0002	31,0
75-25604	0776	0037	0309	0125	0056	0001	12,1
75-25605	0430	0031	0439	0033	0024	0002	27,4
75-25606	0358	0043	0546	0020	0039	0002	33,7
75-25607	0194	0055	0469	0126	0020	0002	33,7

A/S Sulfidmalm
Maisteri Erkki Kreivi
Suolovuobme Fjellstue
9526 SOLOVOMI
NORGE

Au-määritykset

N:o	ppm Au
75 - 25583	<0.2
25588	<0.2
25591	<0.2
25593	<0.2
25599	<0.2
25607	<0.2

Olari 30.7.1975