Bergvesenet
Postboks 3021, 7002 Trondheim

Rapportarkivet

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Falconbridge	Sul 365-75-17	Sulfidmalm A/S		

Tittel

Ground surveys and prospect drilling. Javrehuosjokka west and Javrehuosjavvre west in Salggan Grid, 1975 , Masi.

Forfatter	Dato	Bedrift
E Kreivi P Ericsson	1975	Sulfidmalm A/S

Kommune	Fylke	Bergdistrikt	1: 50 000 kartblad	1: 250 000 kartblad
Kautokeino	Finnmark	Finnmark	18342 19343	Nordreisa

Fagområde	Dokument type	Forekomster
Geofysikk Boring	Rapport	Javrehuosjokka Javrehuosjavvre Salgganjokka
Råstofftype	**Emneord**	
Malm/metall	Cu	

Sammendrag

To områder ble valgt ut til Winkie boring, basert på anomale morenegeokjemiske verdier for Zn og Ag. Tre hull på tilsammen 51m ble boret på Ag anomalien og to hull på tilsammen 31,5m ble boret på Zn anomalien. Ingen lovende funn ble gjort og prosjektet ble nedprioritert.

FOR FALCONBRIDGE NIKKELVERK A/S
A/S SULFIDMALM

Project 905-17

Ground surveys and prospect-drilling Javrehuosjokka W and Javrehuosjavrre W, Salggan Grid in 1975, Masi

By

E. Kreivi

P. Ericsson

Report No. 365/75/17

A/S SULFIDMALM

INTER-OFFICE MEMORANDUM

Date: 7th July, 1977

To: Falconbridge Nikkelverk A/S

cc: W. D. Harrison, H. T. Berry, R. Jahnsen, R. B. Band, E. Kreivi

From: J. B. Gammon

Subject:

Report No. 365/75/17. Zinc and Silver anomaly areas Salggangrid. Masi area.

The attached report summarises, for the record, winkie drilling results on two areas selected because of anomalous till-geochemistry values for Zn and Ag respectively. Nothing of promise was found and no further work is planned.

J. B. Gammon

MOTTATT 12. 08. 77	BESV.	ARK.
X ADM. DIR.	PROD. SJEF	
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ADM. SJEF	M. L. AVD.	
AVD.	R. & SM. AVD.	
AVD.	EL. TEKN. AVD.	
AVD.	INSTR. AVD.	
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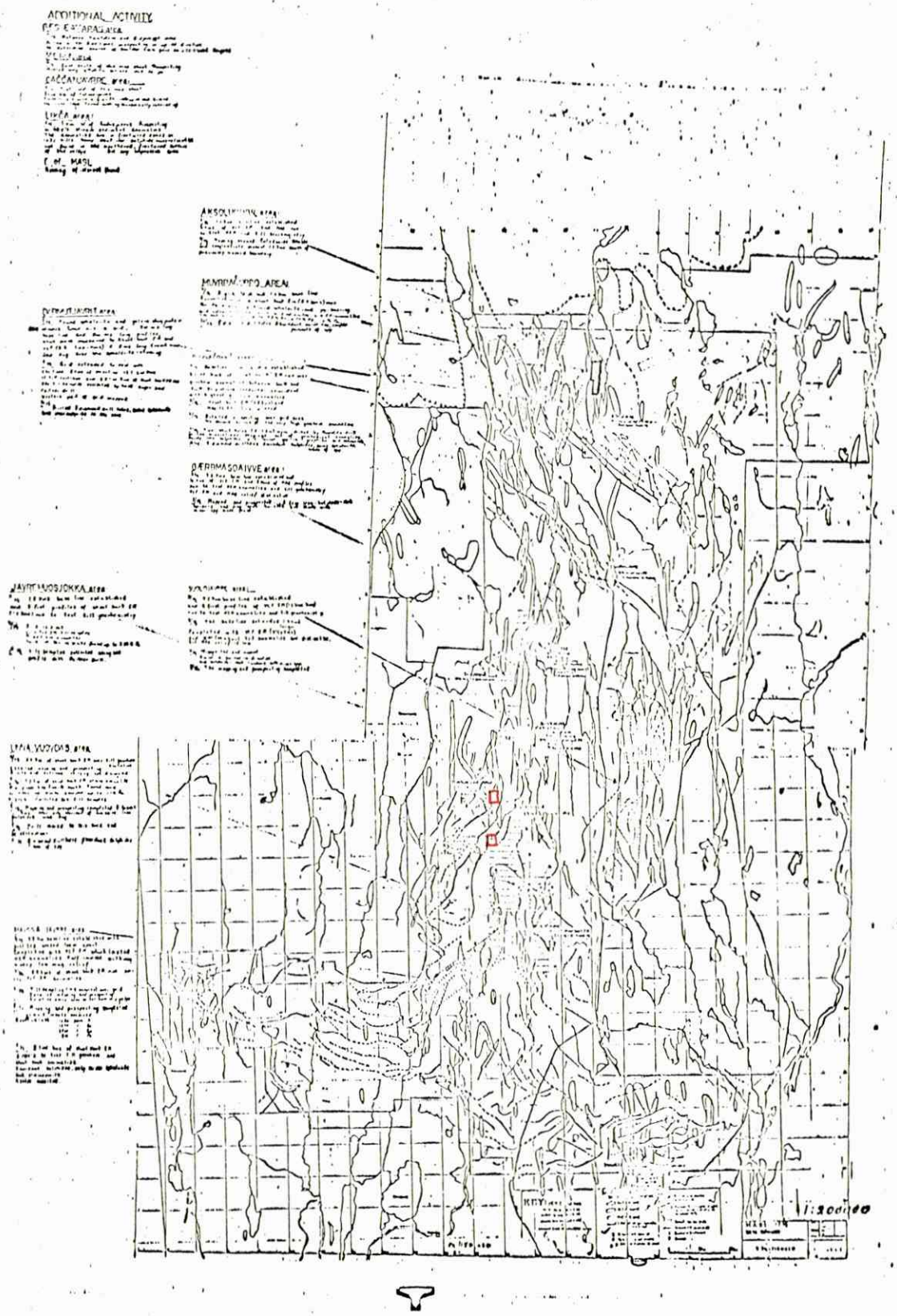
FORSKN. DIR.	PROSJ. AVD.	
SAKSBEARB.	Svar dato	


ADDITIONAL ACTIVITY
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Introduction

These two areas are situated in the main Salggangrid, laid out in 1973, about one and a half km west of Javrehuosjavrre and about 2 kms south-west of Javrehuosjokka-grid. 2 detailed grids were laid out on geochemically anomalous areas. The northernmost was on a Ag-anomaly and called the Javrehuosjokka-W and the southernmost was on a Zn-anomaly and called the Javrehuosjavrre-W. The detailed till-sampling assays returned with

max Ag 5,8 ppm at 4600N/950W
max Pb 178 ppm at 4550N/950W
max Zn 480 ppm at 4750N/825W
from the silver-anomaly and
max Zn 1100 ppm at 3250N/900W
max Ni 312 ppm at 3250N/1050W
from the zinc anomaly.

Mapping, prospecting, Shoot-Back-EM-and Proxan-EM-surveys were done at both places. Five short prospecting Winkie-drill-holes were drilled on anomalous areas.

Geology (Fig.2)

Mapping was done by Per Ericsson. The Zn-anomaly is lying in a swampy area, where there was no outcrop to be mapped. The Ag-anomaly is lying on the eastern slope of a ridge on a very rusty and severally sheared graphitic schist. Above the schist on the top of the ridge there is a gabbroic rock and under the schist mica-schist and hornblendite, which are on another graphitic schist.

../2

Geophysics (Fig.3)

Shoot-Back-survey

The Shoot-back-survey was run with 50 ms' coil-separation. 3 strong and uniform anomalous zones were picked up on the Ag-anomaly zone. On the Zn-anomaly the strong EM-anomalies were more scattered on different profiles and did not form any uniform zone.

Proxan Survey

The Proxan is a one-man, shallow penetration EM-unit, made by Outokumpu's instrument division. It was loaned to Sulfidmalm for trials in Masi during the summer of 1975. The unit consists essentially of a rigid bar, ca. 1 m long, with sender and receiver coils mounted at opposite ends. The operating frequency is 50Hz. To carry out a survey the operator moves laong the profile, with the Proxan horizontal. A loud buzz indicates when the unit is passing over a conductor, and the operator then locates the conductor exactly using a field strength meter. Having located the conductor it is then possible to determine the depth of burial by taking field strength readings at three different heights (30 cms, 60 cms, 90 cms above ground level). Depth of burial is obtained by plotting these values on a special graph, and then matching against standard curves.

Due to the short coil separation the Proxan has a very limited depth penetration, and is primarily meant as an aid 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, the depth of overburden estimates obtained from the Proxan survey agreed very well with the actual overburden depths encountered in the diamond drilling programme.

../3

Proxan survey results are presented in fig.3, sheet IV with Shoot-Back amplitudes.

Drilling and conclusions

Three vertical Winkie-holes were drilled on the Ag-anomaly:

9-W/1775 20.20 m at 4650N/990W
10-W/1775 20.50 m at 4550N/970W
11-W/1775 10.20 m at 4600N/990W

The holes were collared to test the source of the silver-anomaly in till and EM-anomalies. In the two first holes(9-W and 10-W) the rock was graphitic phyllite with some spahlerite and 20-30% pyrrhotite with traces of chalcopyrite. The best assays gave 0.6% Zn in 4 ms, 0.42% Ni in 2 ms and 5 ppm Ag in one meter. The hole number 11-W/1775 penetrated at first amphibolite, acid volcanics and chlorite-carbonate-schist before coming to the graphitic phyllite. The drilling had to be stopped at 10.20 m because of caving. The used equipments did not allow us to drill deeper than 20 ms. Therefore we could not drill through the mineralized graphitic rock.

Two vertical winkie-holes were drilled on Zn-anomaly:

12-W/1775 15.63 m at 3250N/1120W
13-W/1775 15.85 m at 3200N/ 970W

to find out a source of the Zn-anomalies in till and EM-conductors.

The rock-type in these holes was carbonate rich sandstone with some thin beds of graphite and po-breccia with traces of chalcopyrite. No visible sphalerite was found in the core. The EM-anomalies are supposely caused by graphitic and po-rich beds.

Salggangrid, Ag/Per Ericsson/1775

1. Rusty graphite-schist,

2. Graphite-schist, severely sheared and very rusty, S110/25S

3. Mica-schist with phenocrystals of almandin (?) and hornblende, S~horizonatal, somewhat rusty

a 4. Hornblendite, slightly sheared, S140/15S, 3% po

a 5. Graphite-schist, 5% py in s-places, B180/26W

6. Same as 5, B190/10E

7. Very rusty graphite-schist, sub-outcrop

8. Graphite-schist, 5% py, in s-planes, B40/10W

9. Gabbro, fresh but partly severly sheared and py/po-mineralized.

10. Gabbro, severly sheared, S190/24W, and albite/carbonate altered

11. Graphite-schist, very much py, suboutcrop

12. Graphite-schist, very tectonized, B40/10W general trend. Very rusty

13. Quartz/mica-schist

14. Gabbro, 0.5% py + po, S190/24W

../5

15. Gabbro

16. Very rusty graphite-schist, B90/24N

17. Rusty graphite-schist, B190/30W

18. Sub-outcrop of rusty graphite-schist

Sol 4

Solggangrid, Ag / Per Ericsson / 1775

1 Rusty graphite-schist,

2 Graphite-schist, severely sheared and very rusty, S ↑ 110/25S

3 Mica-schist with phenocrysts of almandin(?) and hornblende, S ↑ ~ X, somewhat rusty

a (4) Hornblendite, slightly sheared, S ↑ 140/15S, 3% po

a (5) Graphite-schist, 5% py in s-planes, B ↑ 180/26W

6 same as 5, B ↑ 190/10E

7 Very rusty graphite-schist, sub-outcrop

8 Graphite-schist, 5% py in s-planes, B ↑ 40/10W

9 Gabbro, fresh but partly severly sheared and py/po-mineralized

10 Gabbro, severely sheared, S ↑ 190/24W, and albite/carbonate altered

11 Graphite-schist, very much py, suboutcrop

12 ~~Quartz/mica-schist~~ Graphite-schist, very tectonized, B ↑ 40/10W general trend. Very rusty

13 Quartz/mica-schist

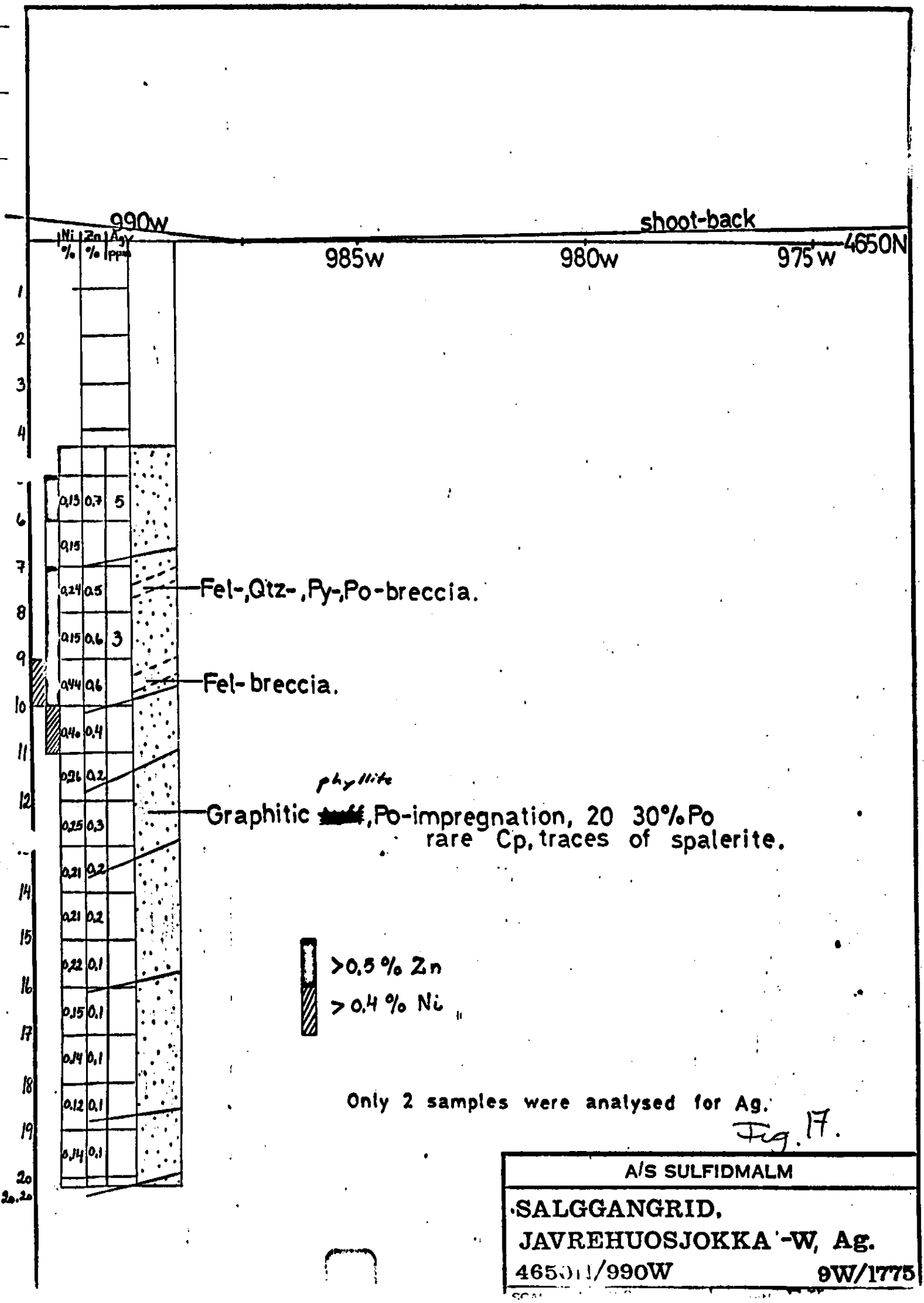
14 Gabbro, 0,5 % py+po. ↑ 190/24W

15 Gabbro

16 Very rusty graphite-schist, (B) ↑ 90/24N

17 Rusty graphite-schist, (B) ↑ 190/30W

18 Sub-outcrop of rusty graphite-schist


990W
shoot-back
985W
980W
975W
4650N
Ni %
Zn %
Ag ppm
0,13 0,7 5
0,15
0,24 0,5
0,15 0,6 3
0,44 0,6
0,40 0,4
0,26 0,2
0,25 0,3
0,21 0,2
0,21 0,2
0,22 0,1
0,15 0,1
0,14 0,1
0,12 0,1
0,14 0,1
Fel-,Qtz-,Py-,Po-breccia.
Fel-breccia.
phyllite
Graphitic [redacted],Po-impregnation, 20 30% Po
rare Cp, traces of spalerite.
>0,5 % Zn
> 0,4 % Ni
Only 2 samples were analysed for Ag.
Fig. 17.
A/S SULFIDMALM
SALGGANGRID,
JAVREHUOSJOKKA -W, Ag.
4650N/990W
9W/1775

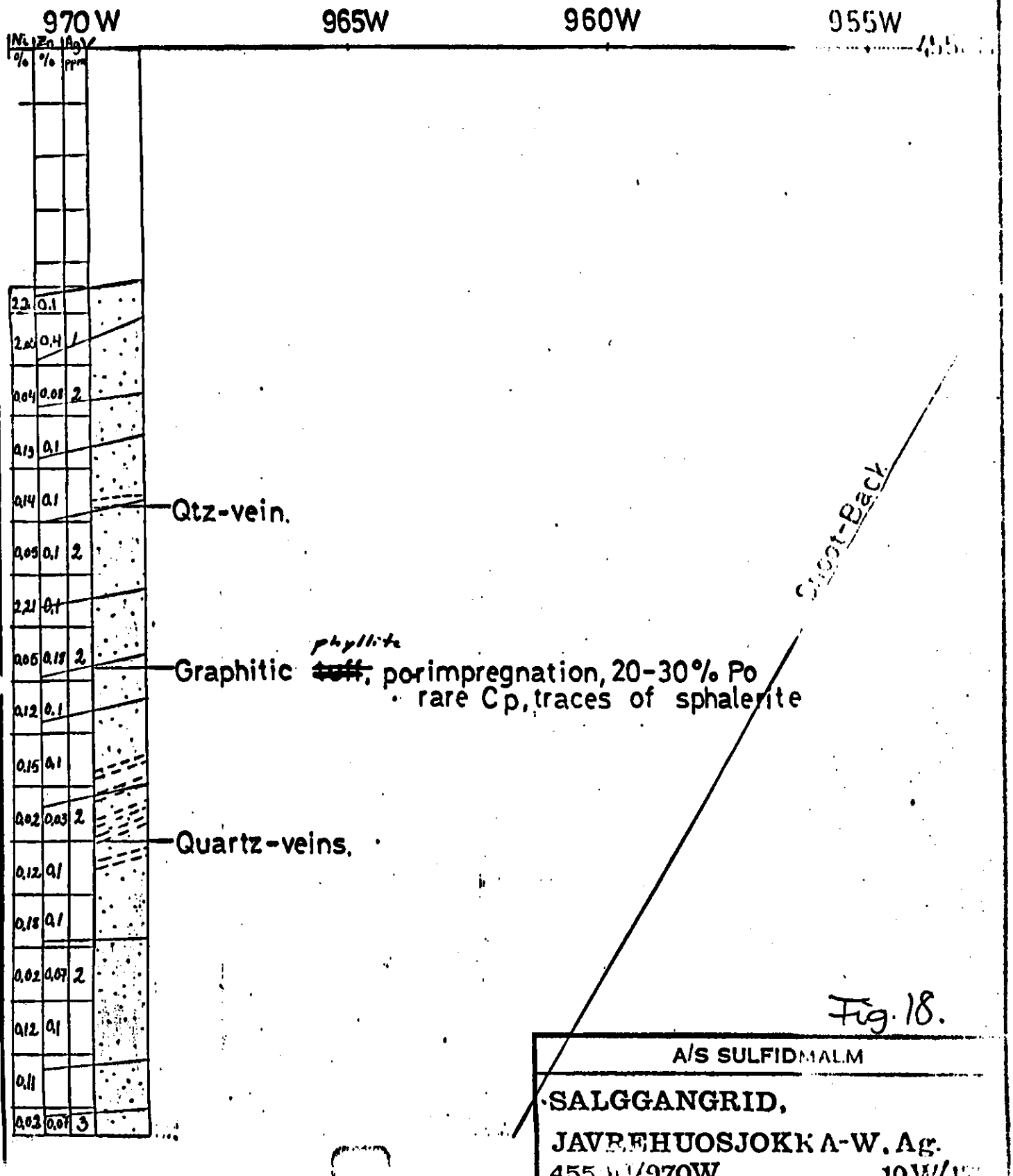


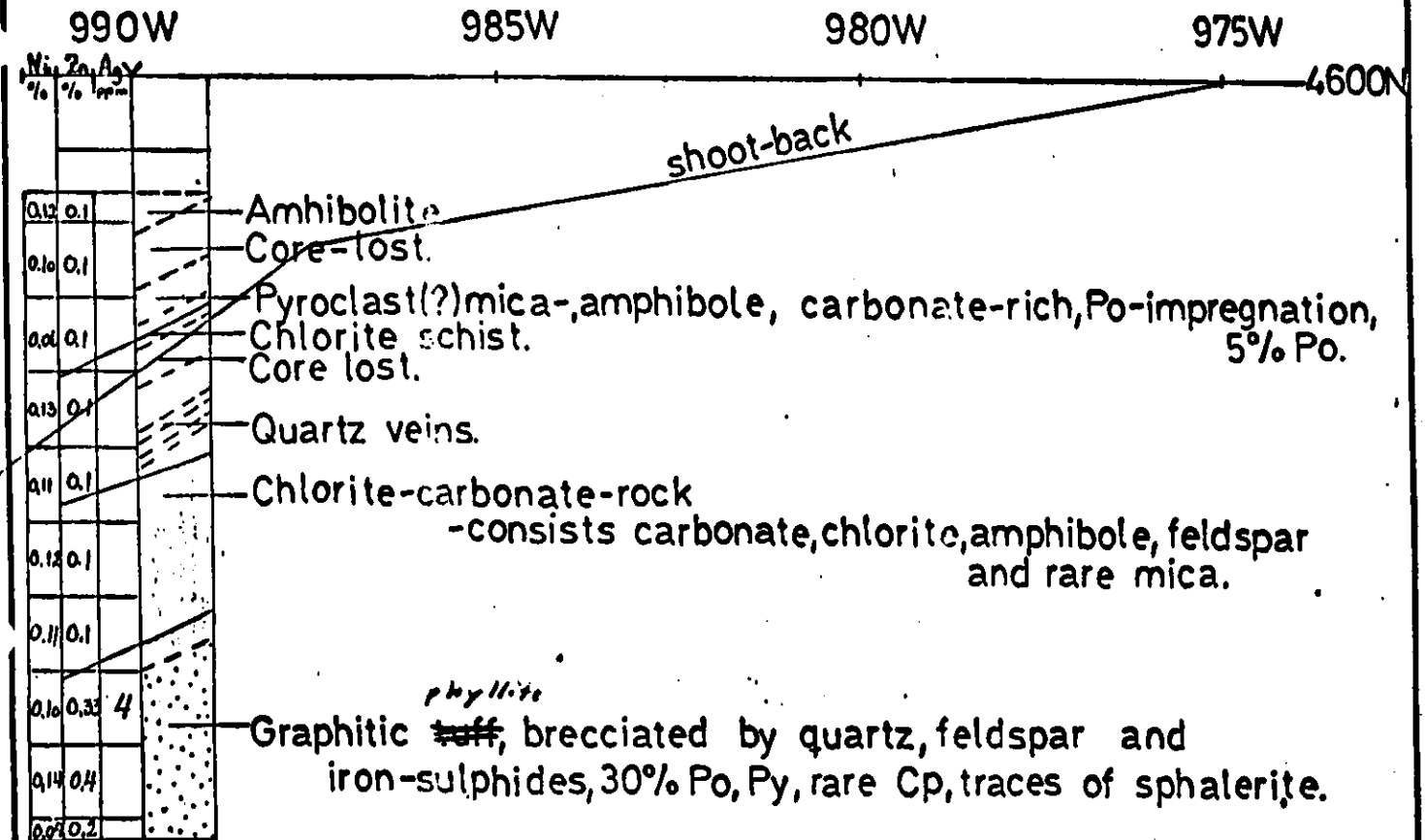
Fig. 18.

A/S SULFIDMALM

SALGGANGRID,

JAVREHUOSJOKK A-W. Ag.

455.0 N/970W 10 W/1



Only one sample was analysed for Ag.

Fig. 19.

A/S SULFIDMALM	
SALGGANGRID, JAVREHUOSJOKKA -W, Ag.	
4600 N/990W	11W/1775
SCALE	DRAWN

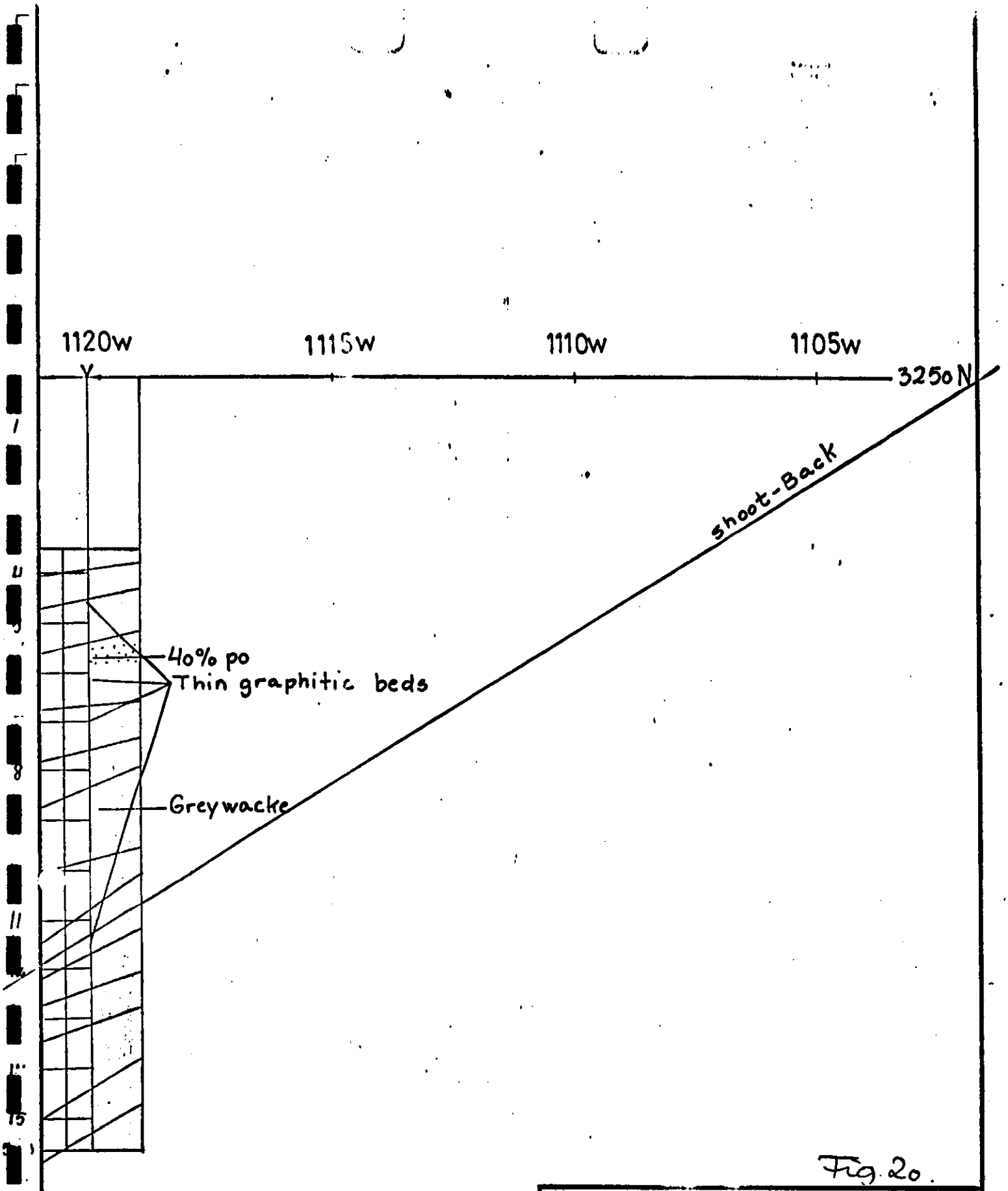


Fig. 2o.

AS SULFIDMALM
SALGGA[illegible]GEXD, Masi.
Javrehuo:javre -W-Zn.
3250N/1120W 12-w/1775
SCALE 1:100 DRAWN EK

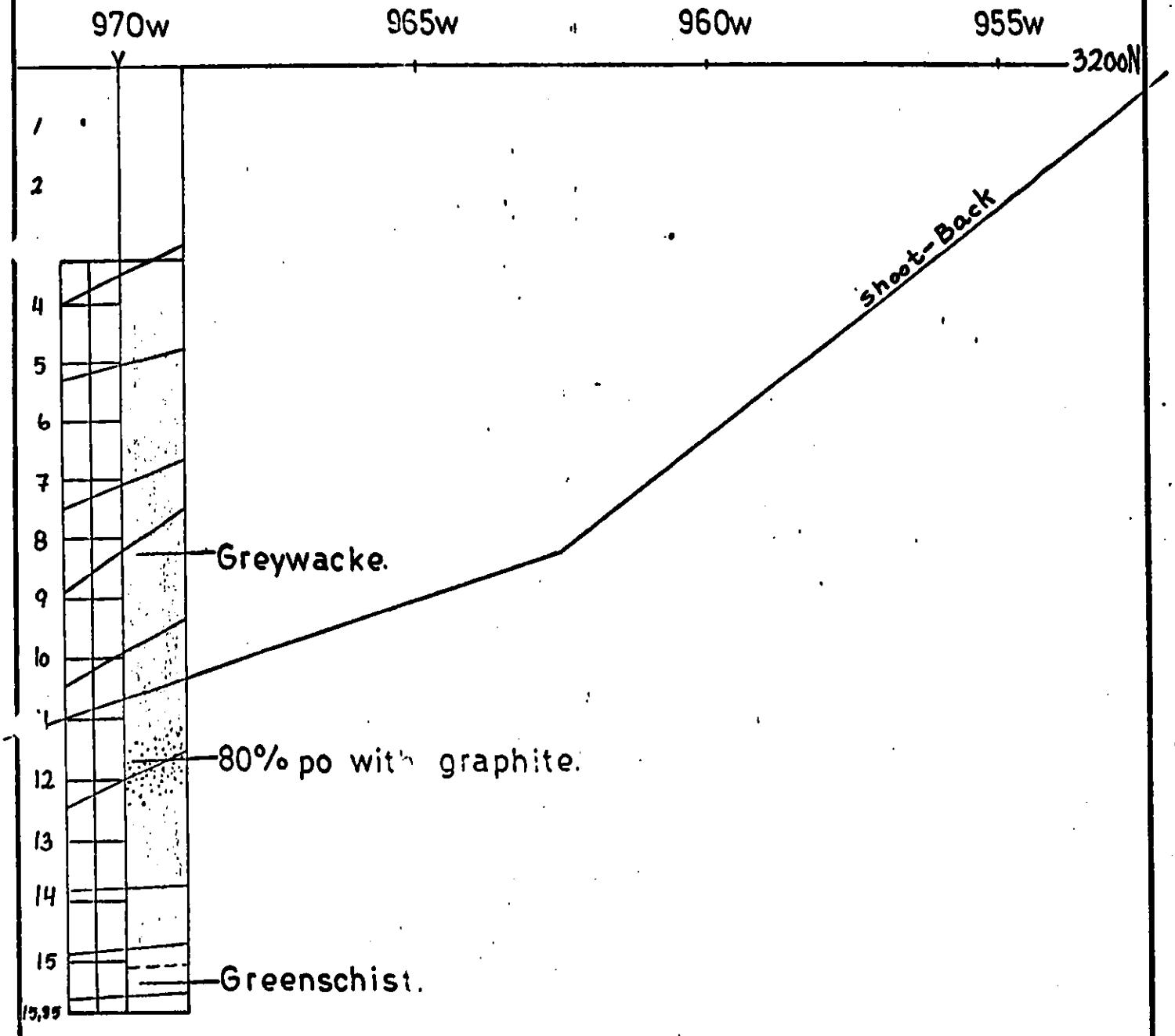


Fig. 21.

S SULFIDMALM	
SALGG/ NG ID, Masi.	
Javrehu sja rre -W -Zn	
3200N/97 W	13-w/1775
SCALE	DRAWN

Prov nr: Nasi 1775 | Datum: 23/9 1976 | Insendt av: E. Kreivi

	Prøve-nr.	Lokalitet	Prøvetype	Dosis	Cu	Zn	Co	Au				Bemerk:
	12-w/8-9	Jauhekuva-jauhe-w/3a	Drill-core		0,01	<0,01						
5	12-w/9-10				0,01	0,057						
6	12-w/10-11				0,01	0040						
97	12-w/11-12				0,01	0028	<0,02	<0,6 ppm				

Merknader:

Shipment No. 12/7

A/s SULFIDMALM

DIAMOND DRILL RECORD

Salggangrid

LOCATION: 4650N/990W BEARING: ..... DIP: 90° HOLE NO: 9W/1775 SHEET NO: 1a

LOGGED BY: E. Kreivi STARTED: 25/7 1975 PROPERTY Javrehuosjokka-W, Ag

CASING: 4.38 m FINISHED: 13/8 1975

CORE SIZE: EX 22 mm TESTS (CORRECTED): .....

From	To		Description
0	4.38		Overburden
4.38	20.20		Graphitic ~~tuff~~ phyllite
			- po-impregnation, 20-30% po
			- rare cp, traces of sphalerite
	20.20		End of hole
			This hole was drilled to find the source for silver-anomalies in till.
			Core-angles:
			6.80 11° B
			9.90 17° B
			11.40 24° B
			13.30 23° B
			14.80 folding
			15.90 12° B
			18.70 7° B
			20.20 13° B

Outokumpu

DIAMOND DRILL RECORD

Salggangrid

LOCATION: 4650N/990W BEARING: ..... DIP: 90° HOLE NO: W/1775 SHEET NO: 1

LOGGED BY: E. Kreivi STARTED: 25/7 1975 PROPERTY: Javrehuosjokka-W. Ag

CASING: 4,38 m FINISHED: 13/8 1975

CORE SIZE: EX 22 mm TESTS (CORRECTED): .....

From	To		Description
0	4,38		Overburden
			- can also be deeply weathered graphitic schist
4,38	20,20		Graphitic [redacted] phyllite
			- fine grained
			- po-impregnation, 20-30% po
			- some layers are brecciated by feldspar and quartz, in these cases also coarse grained py and po occur, also graphitic pebbles are often filled with very fine grained py, narrow py-veins are crossing the py-filled pebbles.
			- usually the rock contains some grains of cp and very occasionally sphalerite in the acid layers
			- quite homogenious
			- sulphides are associated with bedding
			7,30-7,60 Fel-, Qtz-, py-, po-breccia
			8,93-8,95 5% sphalerite
			9,40-9,75 Fel-breccia
			- rare grains of sphalerite with big po- and cp grains
			- very minor Fel-layers all the way
			9,75-12,30 po + py-impregnation, some narrow mica-layers
			13,50-13,55 carbonate
			17,30-18,80 40% po
			20,10-20,20 carbonate-and mica-rich layer, a little chlorite
			- graphite-content slightly decreases towards the bottom and just in the bottom it increases again
	20,20		End of hole

A/S SULFIDMALM

DIAMOND DRILL RECORD

Salggangrid

LOCATION: 4550N/970W BEARING: ..... DIP: 90° HOLE NO: 10W/1775 SHEET NO: 1a

LOGGED BY: E. Kreivi STARTED: 13/8 1975 PROPERTY: Javrehuosjokka-W, Ag

CASING: 4.45 m FINISHED: 15/8 1975

CORE SIZE: EX 22 mm TESTS (CORRECTED): .....

From	To		Description
0	4.45		Overburden
4.45	20.50		Graphitic ~~tuff~~ phyllite
			- po-impregnation, 20-30% po
			- rare chalcopyrite, traces of sphalerite
	20.50		End of hole
			This hole was drilled to find the source for silver anomalies in till.

A/s SULFIDMALM

DIAMOND DRILL RECORD

Salggangrid

LOCATION: 4550N/970W BEARING: ..... DIP: 90° HOLE NO: 10W/1775 SHEET NO: 1

LOGGED BY: E. Kreivi STARTED: 13/8 1975 PROPERTY Javrehuosjokka-W. Ag

CASING: 4.45 m FINISHED: 15/8 1975

CORE SIZE: EX 22 mm TESTS (CORRECTED): .....

From	To		Description
0	4,45		Overburden
			- can also be a deeply weathered
			graphitic schist
4,45	20,50		Graphitic ~~tuff~~ phyllite
			- exactly similar to 10W/1775
			5.70 some grains of sphalerite in a
			narrow py-vein
			8.85 "
			8.75-8.85 Qtz-vein, a little coarse
			grained po and py
			14.70-14.75 Qtz-vein
			15.00-15.05 "
			15.50-15.55 "
			17.70-20.50 Rare small (<0.5 cm)
			reddish garnets
			- graphite-content decreases towards
			bottom
	20,50		End of hole
			Core-angles:
			4.50 8°
			8.50 22°
			6.70 8°
			7.60 12°
			8.80 12°
			10.50 8°
			11.70 13°
			12.60 11°
			14.20 10°
			16.90 2°
			17.50 2°
			19.20 5°
			20.10 2°

A/S SULFIDMALM

DIAMOND DRILL RECORD

Salggangrid

LOCATION: 4600N/990W BEARING: ..... DIP: 90° HOLE NO 11W/1775 SHEET NO: 1a

LOGGED BY: E. Kreivi STARTED: 15/8 1975 PROPERTY Javrehuosjokka-W. Ag

CASING: 1. 60 m FINISHED: 21/8 1975

CORE SIZE: EX 22 mm TESTS (CORRECTED): .....

From	To		Description
0	1,60		Overburden
1,60	2,15		Amphibolite
2,15	2,90		Core-lost
2,90	3,40		Micaceous feldspathic pyroclast(?)
			- 5% po
3,40	3,70		Chlorite-schist
3,70	4,20		Core-lost
4,20	8,00		Chlorite-carbonate-rock
8,00	10,30		Graphitic tuff
			- brecciated by quartz, feldspar and
			iron sulphides, 30% po, py, rare cp,
			traces of sphalerite
	10,30		End of hole
			The hole was drilled to find the source of
			silver-anomalies to see the contact-zone
			between gabbroic rock and volcanites. Had
			to stop soon after the contact because of
			caving.

A/S BOLIDEN AB

DIAMOND DRILL RECORD

Salggangrid

LOCATION: 4600N/990W BEARING: ..... DIP: 90° HOLE NO: 1W/1775 SHEET NO: 1

LOGGED BY: E. Kreivi STARTED: 15/8 1975 PROPERTY Javrehuosjokka-W. Ag

CASING: 1,60 m FINISHED: 21/8 1975

CORE SIZE: Ex 22 mm TESTS (CORRECTED): .....

From	To		Description
0	1,60		Overburden
1,60	2,15		Amphibolite
			- homogenious, medium grained, dark, weakly schist
2,15	2,90		Core-lost
2,90	3,40		Micaceous, feldspathic pyroclast(?)
			- contains a lot of amphibole and carbonate
			- po-impregnation, 5% po
3,40	3,70		Chlorite-schist
3,70	4,20		Core-lost
4,20	8,00		Chlorite-carbonate-rock
			consists of carbonate, chlorite, amphibole, feldspar and rare mica
			4,70-4,80 Qtz-vein
			5,10-5,15 "
8,00	10,30		Graphitic phyllite
			- brecciated by quartz, feldspar and iron sulphides, 30% po, py, rare cp
			8,20 traces of cp
			8,60-8,80 Feldspathic with po-impregnation
			9,40-9,50 Qtz-vein, traces of sphalerite, rare cp.
	10,30		End of hole
			Core- angles:
			3.60 25° S
			5.40 19° S
			7.65 24° S

A/S SULFIDMALM

DIAMOND DRILL RECORD

Salggangrid

LOCATION: 3250N/1120W BEARING: ..... DIP: 90° HOLE NO: 12-W/177 SHEET NO: 1

LOGGED BY: E. Kreivi STARTED: 22/8-75 PROPERTY Javrehuosjavrre-W-Zn

CASING: 3.50 m FINISHED: 9/9-75

CORE SIZE: Ex 22 mm TESTS (CORRECTED): .....

From	To		Description
0	3.50		Overbunden
3.50	15.63		[redacted] carbonate-rich sandstone
			- [redacted] partly thinny varved or brecciated
			by accid material and fine grained py and po.
			occasionally cp (5-10% po,py)
			- some chlorite-porphyroblastz
			- carbonate-bearing
			- sometimes thin graphite-rich layers
			- sometimes chlorite, serisite or biotite-rich parts
			5.60-5.80 40% po, a little of cp
			4.35-5.00 a little of graphite
			6.00-6.10 "
			6.65-7.30 "
			7.40-9.60 Chert-rich part with weak py-breccia, 10% py
			9.60-10.05 A little graphite in thin beds
			10.30-10.50 Turbulent folations
			11.00-12.20 A little of graphite
			13.40-15.63 Biotite-and carbonate-rich
	15.63		End of hole
			Core-angles
			B: 30° 15.30 27° 11.70 14° 7.60
			31° 14.40 35° 10.80 4° 6.70
			18° 13.15 14° 9.80 13° 5.40
			19° 12.40 23° 8.35 12° 4.50
			8° 3.90
			This hole was drilled to find the source of zinc-anomaly in till, but no sphalerite was found in the core. The shoot-back-anomaly is supposely caused by graphitic beds.

SULFIDMALM

DIAMOND DRILL RECORD

3200N/970W

LOCATION: Salggangrid BEARING: ..... DIP: 90° HOLE NO: 13-W/1775 SHEET NO: 1

LOGGED BY: E. Kreivi STARTED: 11/9-75 PROPERTY Javrehuosjavrre-W-Zn

CASING: 3.30 m FINISHED: 13/9-75

CORE SIZE: Ex 22 mm TESTS (CORRECTED): .....

From	To		Description
0	3.30		Overburden
3.30	15.10		[redacted] Carbonate-rich sandstone
			3.60-4.30 core-lost
			5.25-5.95 "
			6.50-6.80 "
			8.80-9.60 "
			10.20-10.40 "
			12.85-13.50 "
			- thinny varved
			- sometimes brecciated by acid material
			and py and po, occasionally cp
			- carbonate-bearing
			- sometimes mica- and chlorite-rich parts
			- sometimes thin beds of graphite
			6.80-11.35 biotite-carbonate-rich part,
			a little of chlorite
			11.35-12.50 more acid material brecciated
			by po (50-60% po in average)
			11.50-11.95 80% po with little bit graphite in it
			12.50-15.10 Mica-rich part
15.10	15.85		Greenschist
			- carbonate-rich
	15.85		End of hole
			Core-angles
			B: 3° 15.60 26° 12.00 15° 5.05
			5° 14.80 30° 10.90 27° 3.50
			3° 13.80 36° 8.20
			43° 12.80? 23° 7.10
			This hole was drilled to find a source of a zinc-
			anomaly in till. No sign of sphalerite was seen. Shoot-
			Back-anomaly might be caused of the po-rich part (45 cm
			11.50-11.95)

Prosjekt nr. Mosj 1775 | Dato 31/8 1975 | Innsendt av: E. Kreiv

Lab. nr.	Prøve-nr.	Lokalitet	Prøvetype	Beskr.	Ni	Cu	Zn	Pb	Ag	Co	S %	Au	Bemerk:
15	9w/4-5	[illegible]	Drill core		[illegible]	[illegible]	0.2			[illegible]			
250 15 / 16	9w/5-6	— " —	"		0,123	0,115	0,68	0,0117	5	0,0102	18,0	<0,2	
17	9w/6-7	— " —	"		[illegible]	[illegible]	0.7						
18	9w/7-8	— " —	"		[illegible]	[illegible]	[illegible]						
250 16 / 19	9w/8-9	— " —	"		0,147	0,077	0,64	0,0104	3	0,0081	17,3		
20	9w/9-10	— " —	"		[illegible]	[illegible]	[illegible]						
21	9w/10-11	— " —	"		[illegible]	[illegible]	[illegible]						
22	9w/11-12	— " —	"		[illegible]	[illegible]	[illegible]						
23	9w/12-13	— " —	"		[illegible]	[illegible]	[illegible]						
24	9w/13-14	— " —	"		[illegible]	[illegible]	[illegible]						
25	9w/14-15	— " —	"		[illegible]	[illegible]	[illegible]						
26	9w/15-16	— " —	"		[illegible]	[illegible]	[illegible]						
27	9w/16-17	— " —	"		[illegible]	[illegible]	[illegible]						
28	9w/17-18	— " —	"		[illegible]	[illegible]	[illegible]						
29	9w/18-19	— " —	"		[illegible]	[illegible]	[illegible]						

ANMERKNINGER TIL LAB.:

7.A.

Dette skjema skal sendes i [illegible] sammen med prøvene til [illegible] Kristiansandkontoret, [illegible] lage kopier til Oslokontoret [illegible] Prøvene fra forskjellige prosjekt, [illegible]

Prosjekt nr. *Masi 1775* | Dato *31/8 1975* | Innsendt av: *E. Kreivi*

Lab. nr.	Prøve-nr.	Lokalitet	Prøvetype	Beskr.	Ni	Cu	Zn	Pb	Ag (g/t)	Co	S %	Au (g/t)	Bemerk.
930	9W/19–20	Jaurelkvarjokka-W, Ag	Drill core		0,14 x	<0,05 x	0,1 x	x	x				
31	10W/4,5–5	"	"		[illegible] x	[illegible] x	0,1 x	x	x				
25617 / 32	10W/5–6	"	"		0,054	0,050	0,439	0,0051	~~[illegible]~~ 1	0,0070	9,20		
25618 / 33	10W/6–7	"	"		0,045	0,043	0,089	0,0067	~~[illegible]~~ 2	0,0062	9.00		
34	10W/7–8	"	"		[illegible] x	[illegible] x	[illegible] x	x	x				
35	10W/8–9	"	"		[illegible] x	[illegible] x	0,1 x	x	x				
25619 / 36	10W/9–10	"	"		0,053	0,047	0,110	0,0071	2	0,0059	11.2	<0,2	
37	10W/10–11	"	"		[illegible] x	[illegible] x	[illegible] x	x	x				
25620 / 38	10W/11–12	"	"		0,047	0,043	0,131	0,0065	2	0,0044	9.20		
39	10W/12–13	"	"		[illegible] x	[illegible] x	[illegible] x	x	x				
40	10W/13–14	"	"		[illegible] x	[illegible] x	0,1 x	x	x				
25621 / 41	10W/14–15	"	"		0,017	0,019	0,023	0,0053	2	0,0040	6.00		
42	10W/15–16	"	"		[illegible] x	<0,05 x	0,1 x	x	x				
43	10W/16–17	"	"		[illegible] x	[illegible] x	[illegible] x	x	x				
25622 / 44	10W/17–18	"	"		0,023	0,027	0,066	0,0042	2	0,0078	8.15		

ANMERKNINGER TIL LAB.:

7A.

Dette skjema skal sendes i ett lutt sammen med prøvene til Kristiansandkontoret, med mottagelige kopier til Oslokontoret og Prøvene fra forskjellige prosjekt, [illegible]

Prosjekt nr. Nusi 1775 | Dato 31/8 1975 | Innsendt av: E. Kreiver

Lab. nr.	Pröve-nr.	Lokalitet	Provetype	Beskr.	Ni	Co	Zn	Pb	ppm Ag	Cu	% S	ppm Au	Bemerk:
45	10w/15-17	Gurrahuvo-Jekkaw, Ag	Drill-core		[illegible]	<0.05	0.1						
46	10w/17-20	"	"		[illegible]	<0.05	0.2						
25628 47	10w/20-22,5	"	"		0,019	0,019	0,009	0,0048	3	0,0065	6.95	<0,2	
48	11w/1,6-2	"	"		[illegible]	[illegible]	[illegible]						
49	11w/2-3	"	"		[illegible]	[illegible]	[illegible]						
50	11w/3-4	"	"		[illegible]	[illegible]	[illegible]						
51	11w/4-5	"	"		[illegible]	[illegible]	0.1						
52	11w/5-6	"	"		0.11	<0.05	0.1						
53	11w/6-7	"	"		[illegible]	<0.05	0.1						
54	11w/7-8	"	"		[illegible]	<0.05	[illegible]						
25624 55	11w/8-9	"	"		0,078	0,130	0,03[illegible]	0,0078	4	0,0107	10.5	<0,2	
56	11w/9-10	"	"		[illegible]	<0.05	[illegible]						
57	11w/10-10,8m	"	"		[illegible]	<0.05	0.2						
		"											

MERKNINGER TIL LAB.:

7.17.

Dette skjema skal sendes i egen konvolutt sammen med prøvene til Kristiansandkontoret, med melding, ... lage kopier til Oslokontoret og ... Prøvene fra forskjellige prosjekt ...

OUTOKUMPU OY
KAIVOSTUTKINTA
GEOLOGINEN LABORATORIO

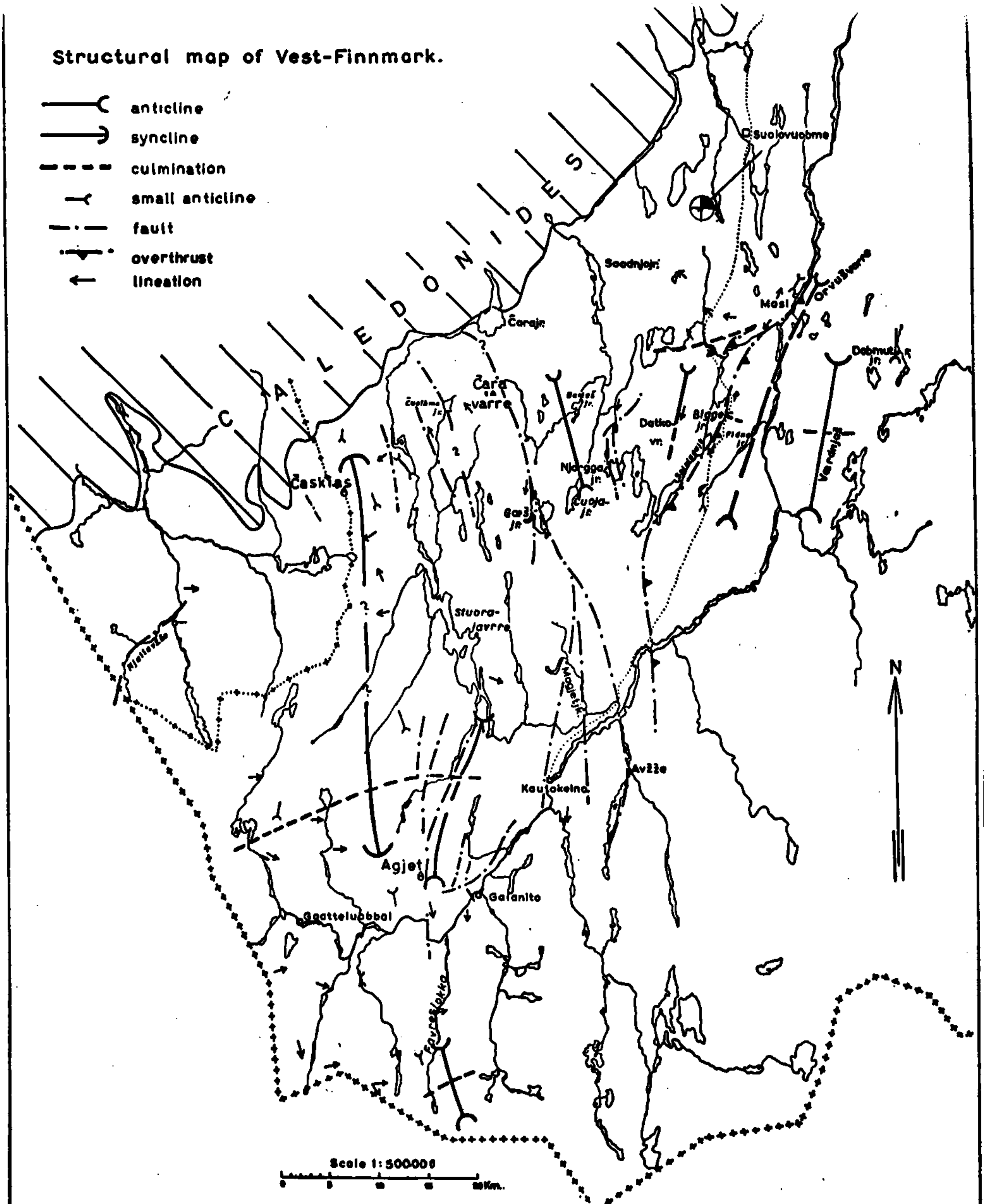
PVM: 18.9.1975
ANALYSOIJA: ALA
TILAAJA: TAI
NÄYTTEIDEN LAATU: -
ALUE: -

ATOMIABSORPTIOANALYYSIEN TULOKSIA

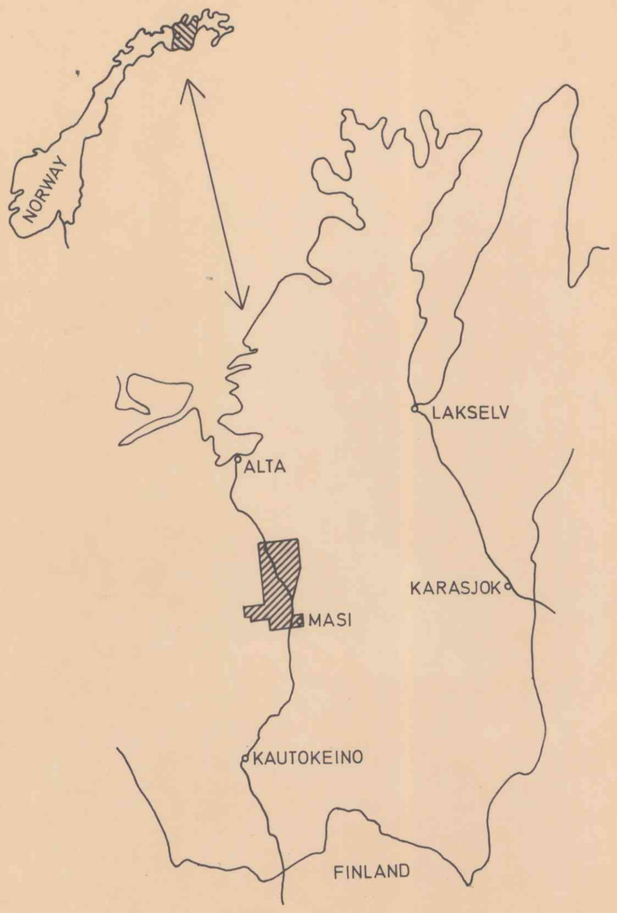
HITUISUUSYKSIKKÖ PPM
DESIMAALIHILKUN PAIKKA 0000.
FE: JA S: HITUISUUSYKSIKKÖ %
DESIMAALIHILKUN PAIKKA FE: -
LAIMENNUS: 0,5G NÄYTTEEN JAUHEESSA OSOITTAA
KUINKA MONTA NUMEROA DESIMAALIHILKKU SIIRTYY OIKEALLE

N:O	CU	ZN	NI	CO	FE	AG	S
75-25615	1152	0063	1283	0102	0117	0005	1.01
75-25616	0774	0064	1495	0091	0114	0003	17.3
75-25617	0505	0439	0543	0070	0051	0001	.01
75-25618	0430	0057	0455	0067	0067	0002	.01
75-25619	0470	0110	0533	0059	0071	0002	11.2
75-25620	0482	0141	0493	0044	0065	0002	.01
75-25621	0159	0282	0167	0040	0033	0002	6.10
75-25622	0866	0069	0927	0075	0042	0002	.01
75-25623	0196	0067	0194	0065	0043	0003	.03
75-25624	1302	0327	0470	0109	0093	0004	10.2

N:O	ppm Au
75-25615	< 0.2
25619	< 0.2
25623	< 0.2
25624	< 0.2


Structural map of Vest-Finnmark.
anticline
syncline
culmination
small anticline
fault
overthrust
lineation
CALEDONIDES
Suolovuobme
Soadnjajr.
Masi
Orvušvarre
Čorajr.
Čara
varre
Dobmut
jn
Časkias
Datko
vn
Biggečjr.
Njorggaš
jn
Čuoja-
jn
Bæš
jn
Vardeloš
Stuora-
javrre
Mojetj.
Kautokeino
Avžže
Agjet
Gaianito
Goatteluobbal
Scale 1:500000
N

Summary Conclusions



(UNDERSØKT 1975) Investigated 1975.

(PLANLAGT UNDERSØKT 1976) Planned investigation 1976.

Ruvvačokka
1975: Detailed VLF-EM, till geochemistry
Geological mapping.

RUVVAČOKKA

Suolovuobme
1973: Shoot back EM
2 Diamond drillholes

Salggan grid
1973: VLF, Till geochemistry

Salgganjokka
1973: Trenching.
1974: VLF Mag
Till geochemistry.
Geological mapping.
1975: Detailed shoot back EM.
Proxan EM, VLF
22 Diamond drillholes.

SALGGANJOKKA

Javrehuosjokka
1974: VLF Mag
Till geochemistry
Geological mapping
1975: Detailed shoot back EM
Proxan EM
12 Diamond Drillholes

JAVREHUOSJOKKA

Javrehuosjokka West
1974: Till geochemistry
1975: Shoot back EM
Proxan EM
Geological mapping
3 diamond drillholes

Salggangrid
1973: VLF Till geochemistry

Javrehuosjavre West
1974: Till sampling
1975: Shoot back EM
Proxan EM
2 diamond drillholes

JAVREHUOSJAVRRE

UNNA VUOVDAS
Unna Vuovdas
1975: Detailed shootback EM
Geological mapping

Ingajokka
1972: Prospecting till geochemistry
1973: Till geochemistry
1975: Geological mapping
Shoot back EM
Proxan EM
4 Diamond drillholes

INGAJOKKA

MASI

KEY: HEM Conductors:
- Weak C-t 5-50
- Strong C-t 50-80
- Very strong C-t >80
- Limit of helicopter survey

Reconnaissance till Geochemistry Anomalies:
- Cu (>30ppm)
- Ni (>70ppm)
- Zn (>70 ppm)
- Limit of till geochemistry coverage.
- Mineralised outcrops
- Well-mineralised blocks
- Limit of Caledonide cover

- Sulfidmalm claims with number.
- Former Sulfidmalm claims, based on HEM anomalies dropped 1975.
- Detail survey grids
- Ground EM anomalies
- Diamond Drillholes.
- R Gossan.

0 1 2km

MASI 1775
DATA SUMMARY 1975.

% SULFIDMALM

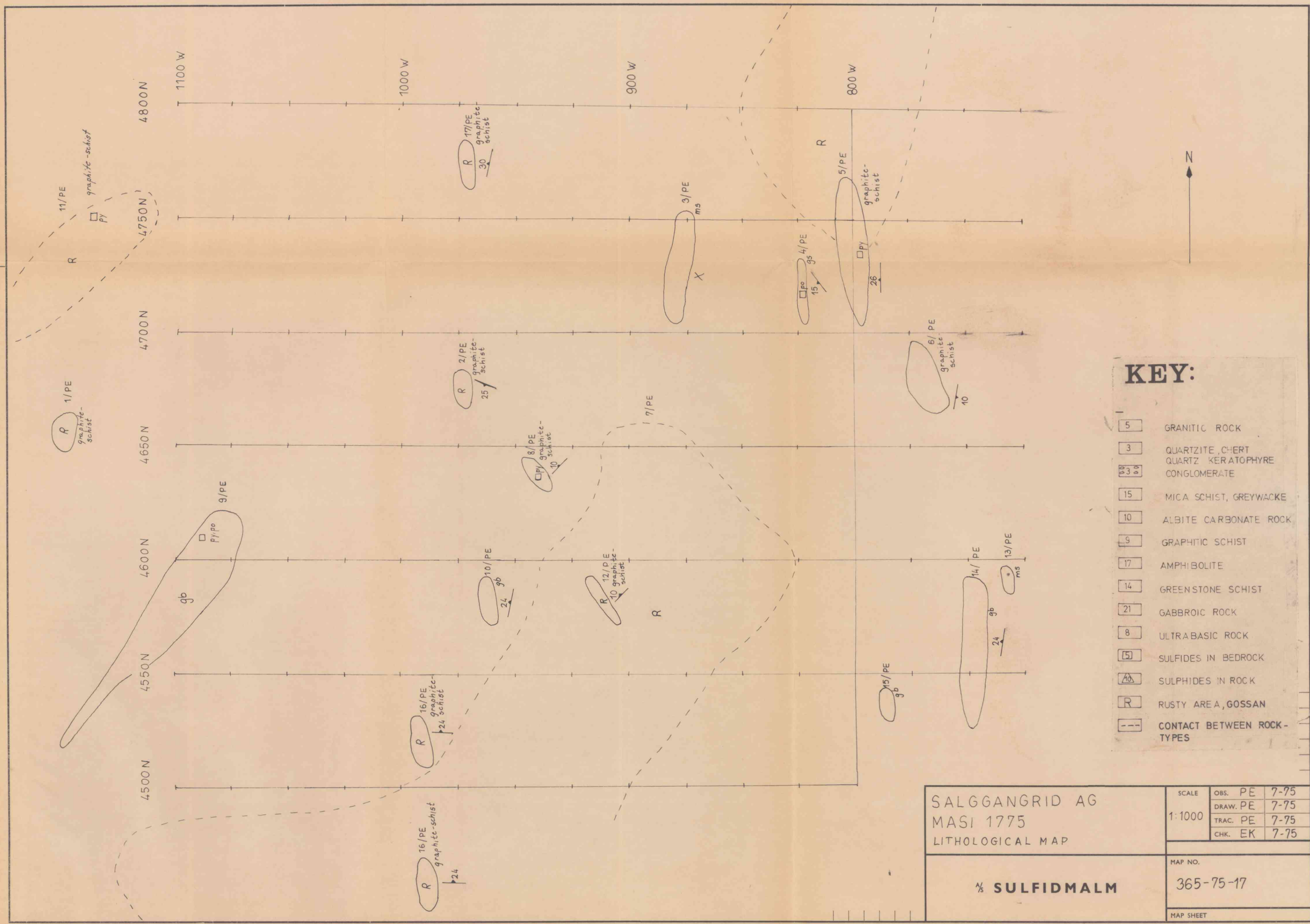
SCALE 1:40,000 | DES. | DRAW. | TRAC. BB/KPB | CHK.

MAP NO. 1874 I, 1874 II, 1933 II

MAP SHEET

1:40,000

A. Silver Anomaly



SALGGANGRID AG
MASI 1775
LITHOLOGICAL MAP

SCALE 1:1000

OBS.	PE	7-75
DRAW.	PE	7-75
TRAC.	PE	7-75
CHK.	EK	7-75

% SULFIDMALM

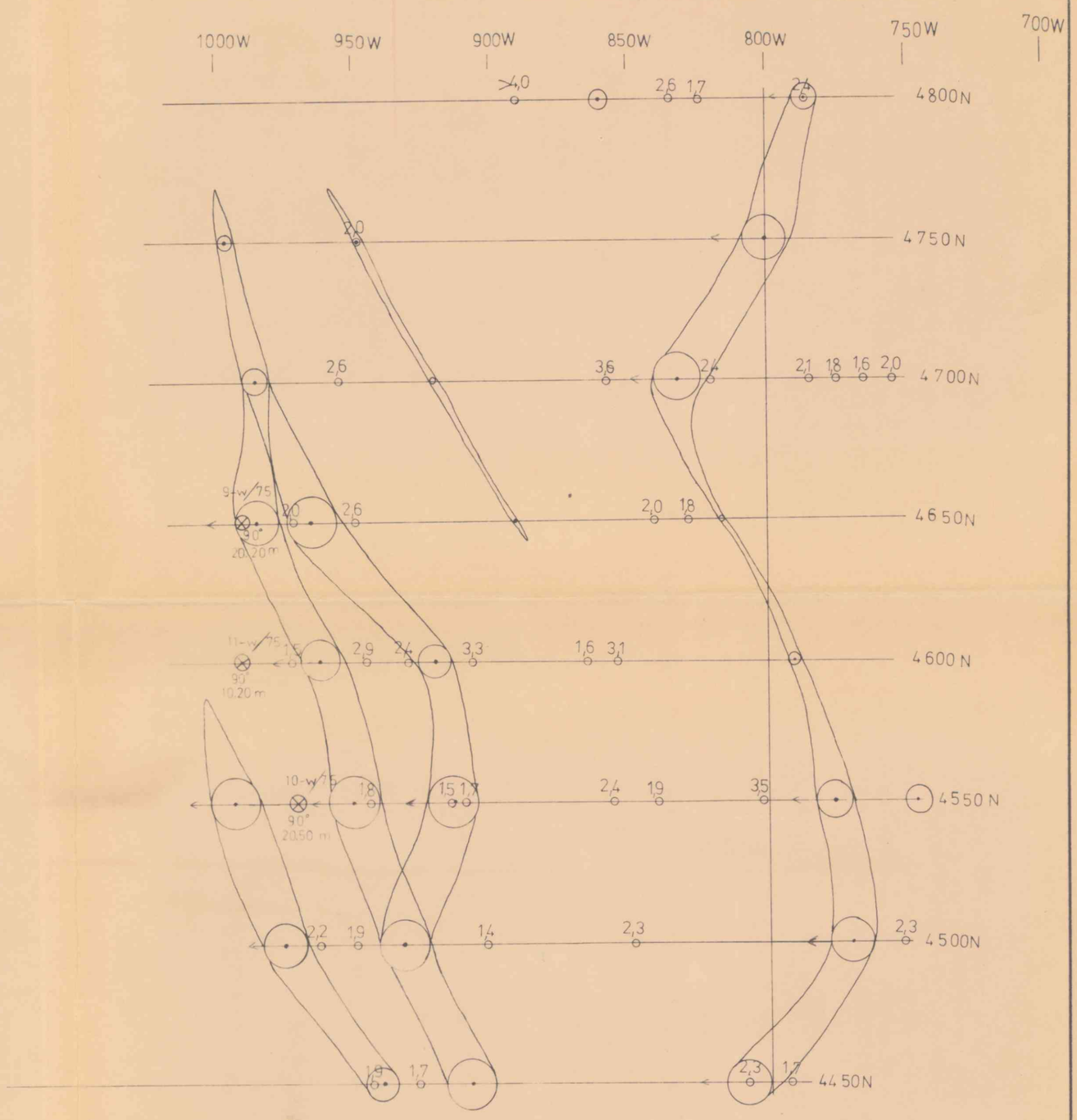
MAP NO. 365-75-17

MAP SHEET

A.s Tørrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.

A.s Terrkopi 3000 A1. Eg gl 10/71 Sentrum Trykker

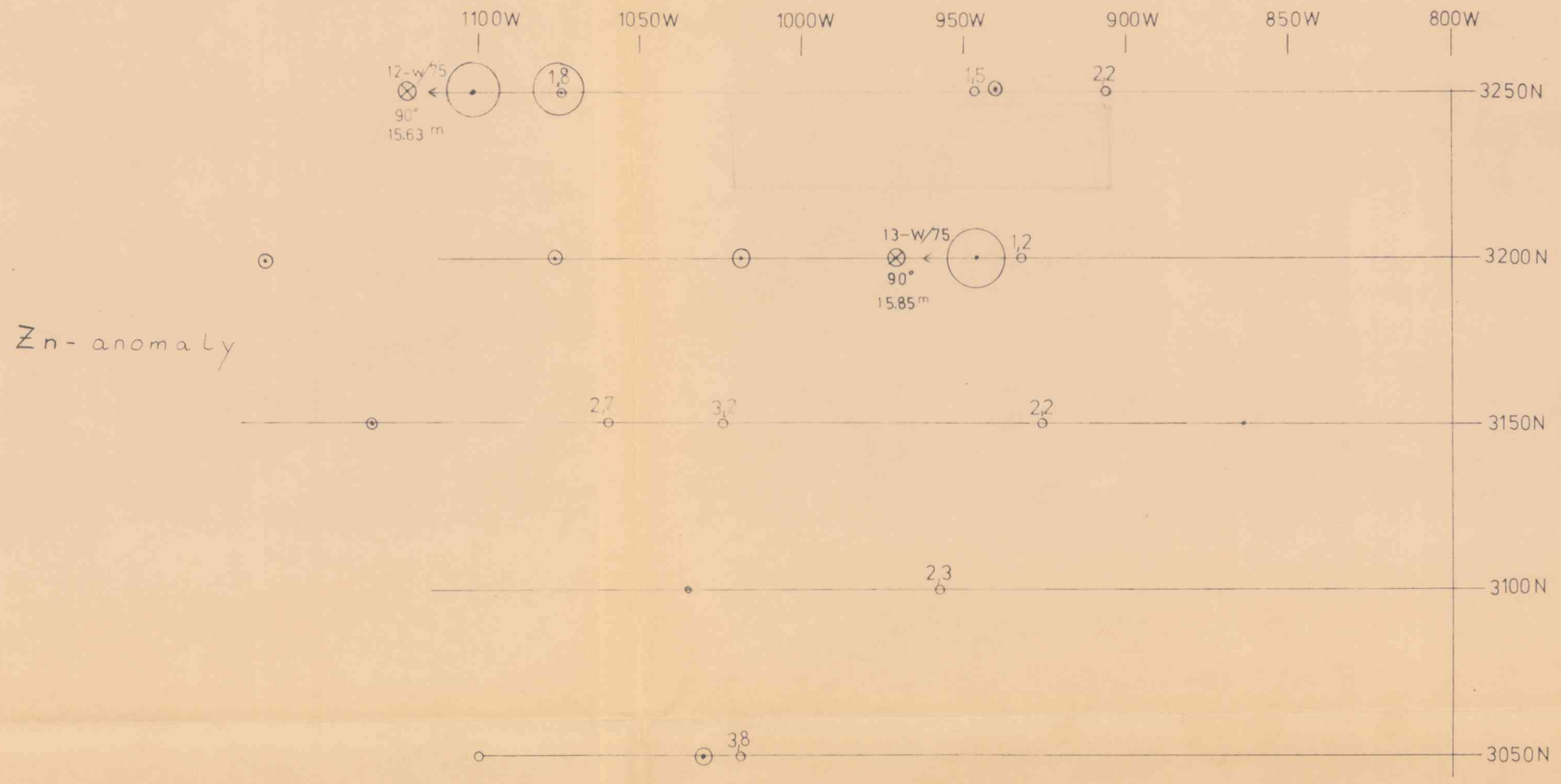
Ag- anomaly



Shoot-back amplitudes

- 40
- 50
- 60
- 70
- 80
- 90
- 100
- 110
- 120
- 130
- 140
- > 150

Zn- anomaly

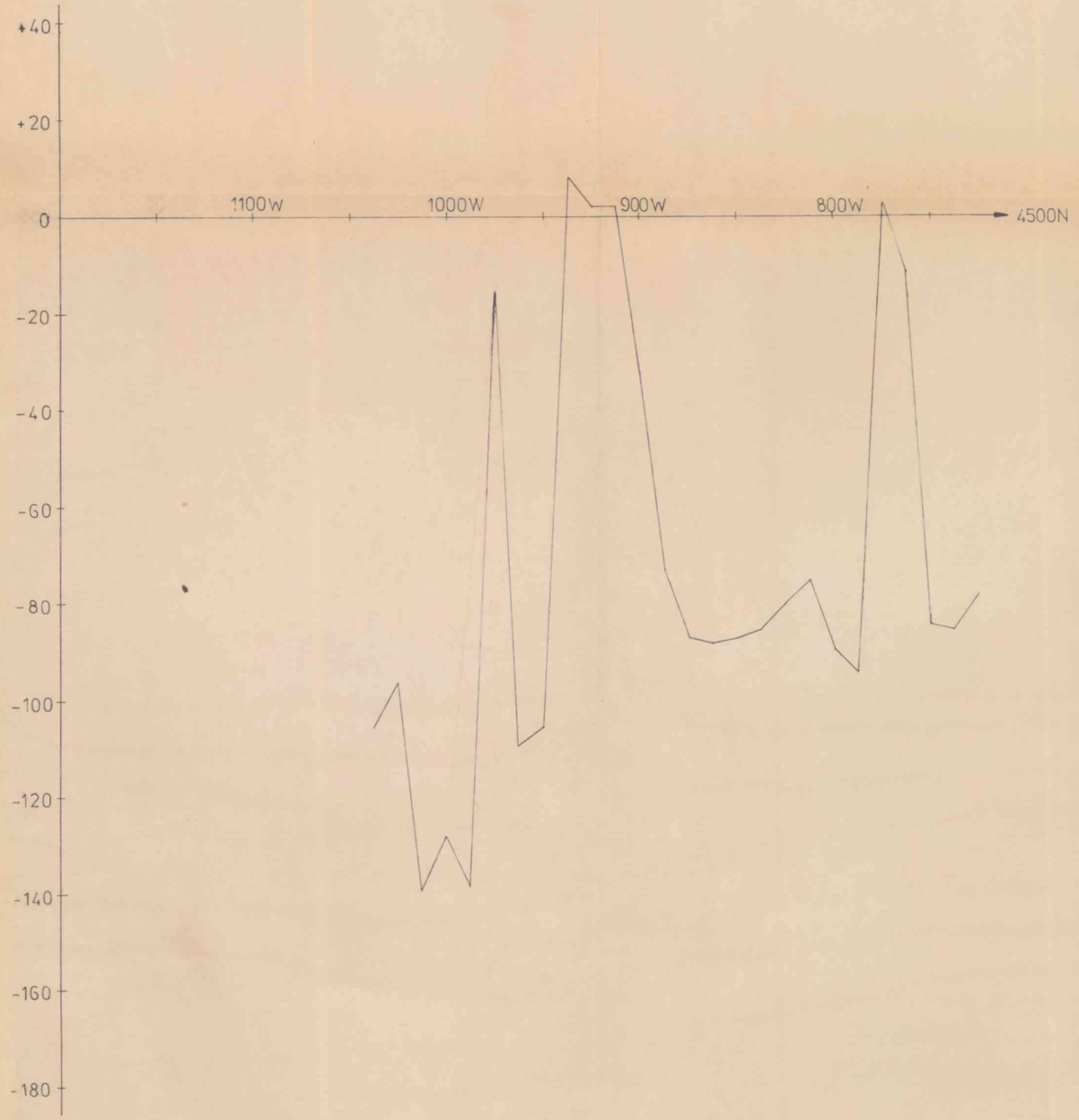


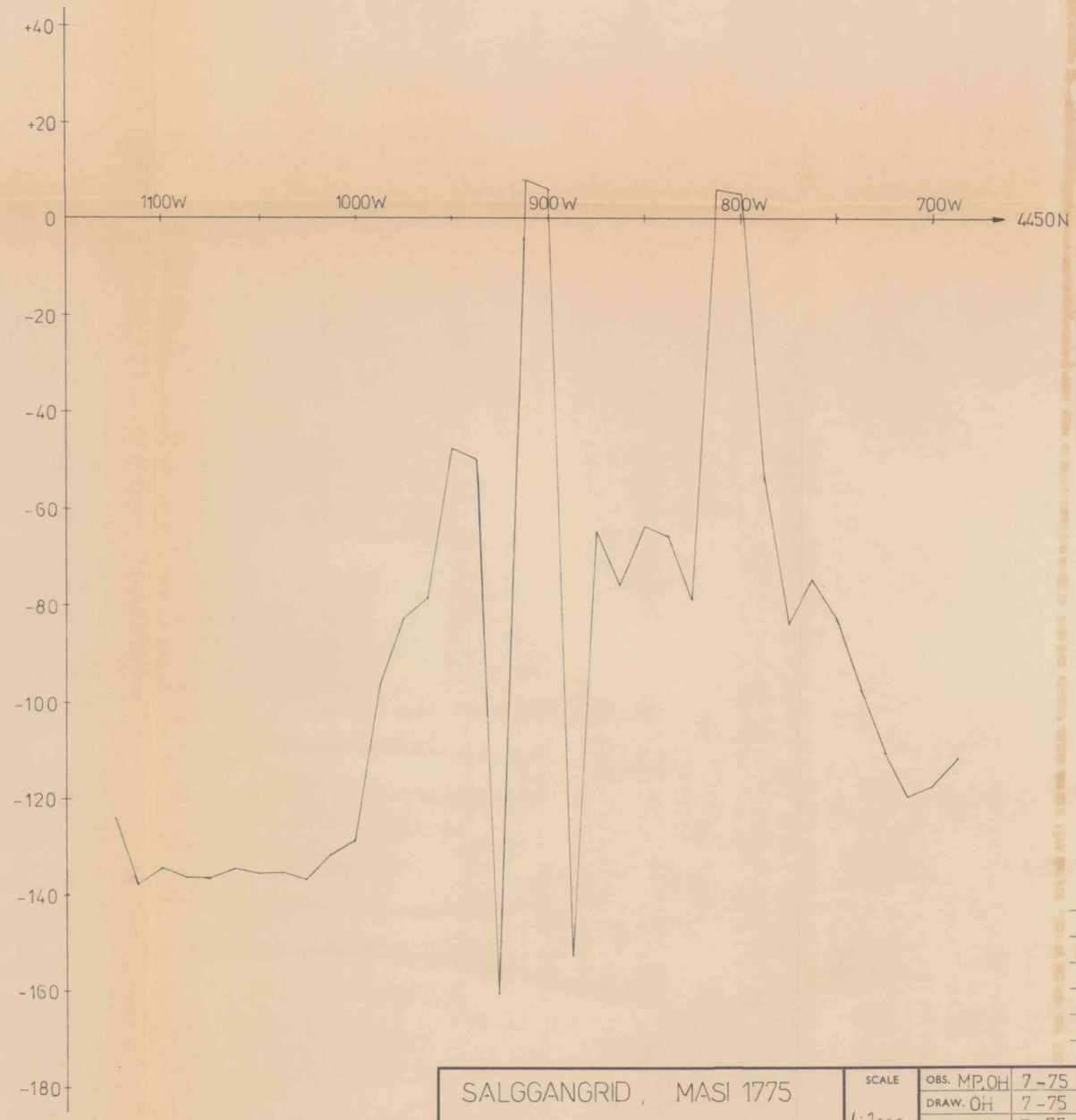
2,7 top of conductor with the thickness of overburden (m)

⊗ Winkie-drill hole

SALGGANGRID, MASI 1775 PROXAN Shoot back amplitudes Winkie-drilling in 1975. Ag, Zn	SCALE 1:1250	OBS. JA	7-75
		DRAW. JA	7-75
		TRAC. JA	7-75
		CHK. EK	1-76
⅛ SULFIDMALM	MAP NO. 365-75-17		

SALGGANGRID, MASI 1775 Proxan, Shoot-back amplitudes Winkie-drilling in 1975. Ag. Zn.





SALGGANGRID , MASI 1775

SHOOT- BACK 50m.

PROFILES : 4500N & 4450N Ag.

SCALE 1:2000

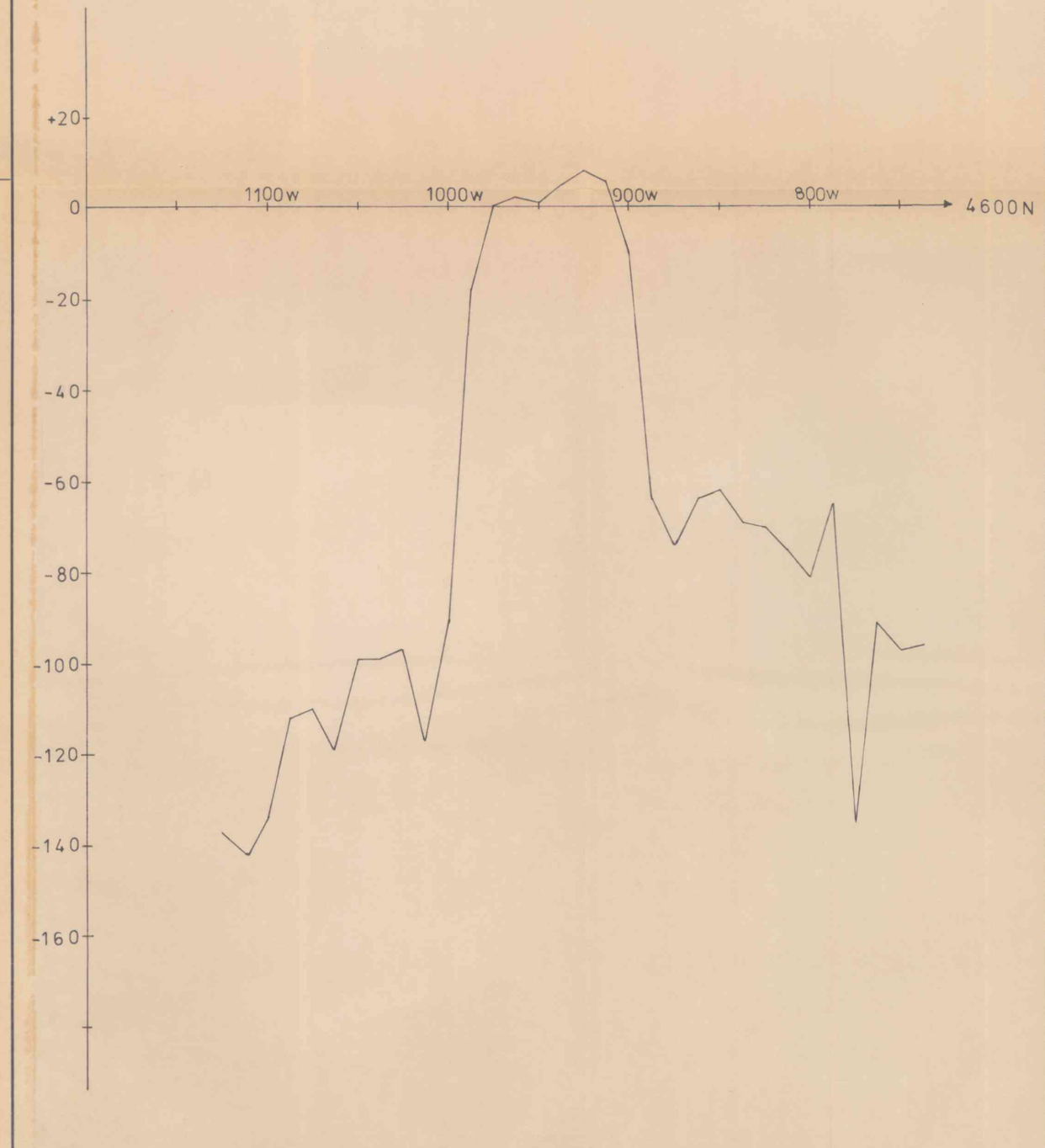
OBS. MP.OH	7-75
DRAW. OH	7-75
TRAC. OH	7-75
CHK. EK	1-76

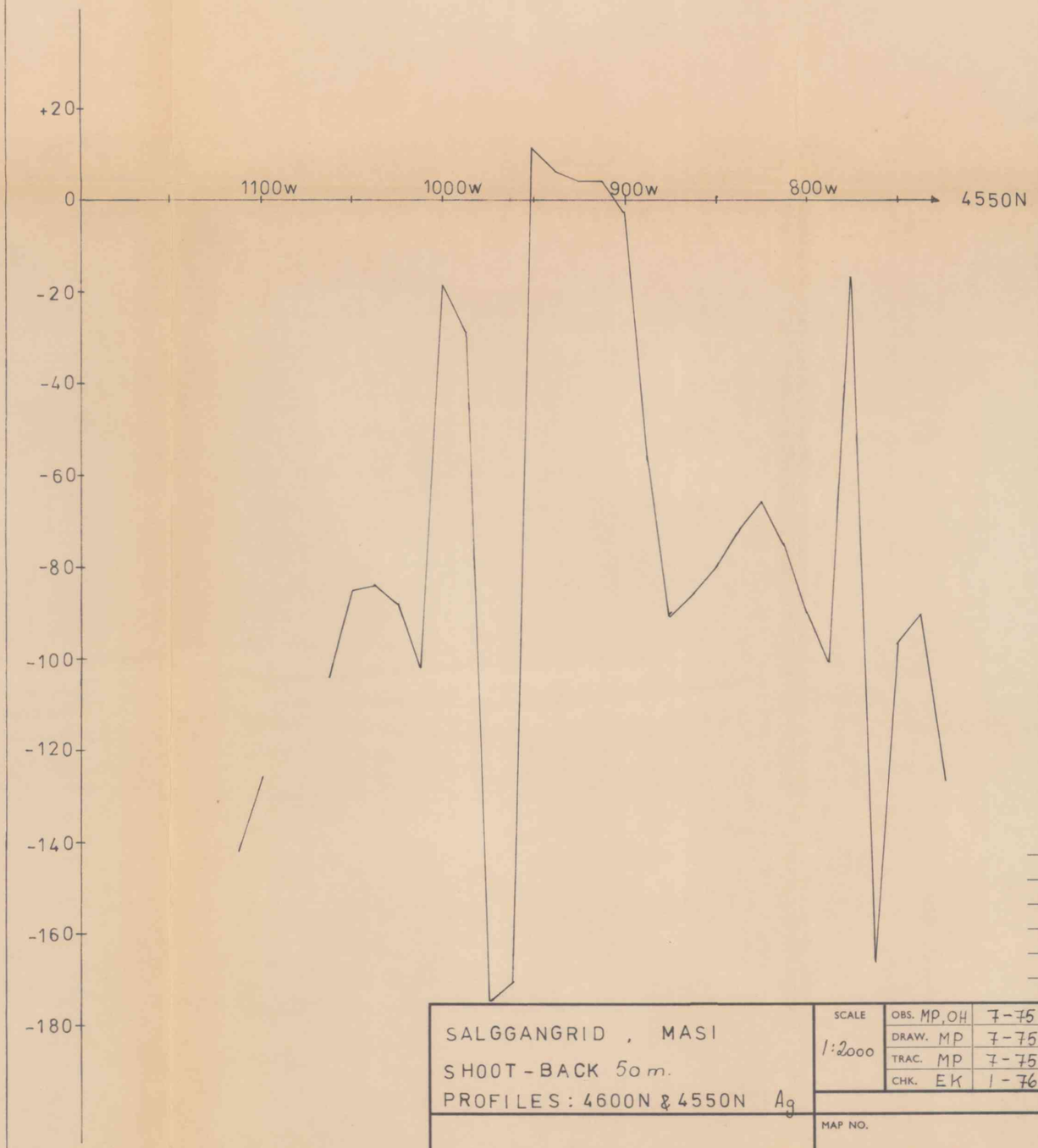
% SULFIDMALM

MAP NO. 365-75-17

MAP SHEET

A.s Terrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.





SALGGANGRID , MASI

SHOOT-BACK 50 m.

PROFILES: 4600N & 4550N Ag

SCALE 1:2000

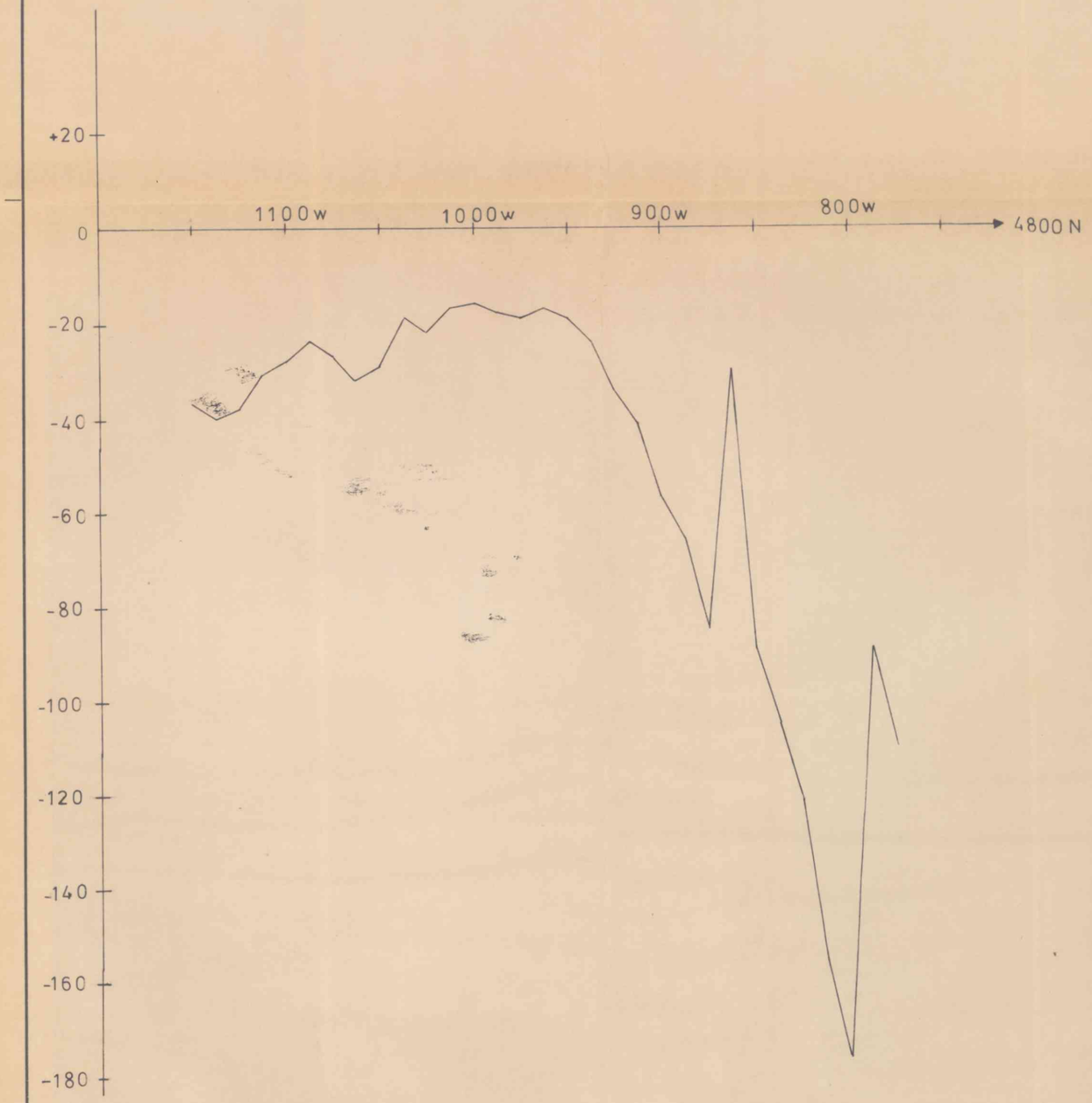
OBS.	MP, OH	7-75
DRAW.	MP	7-75
TRAC.	MP	7-75
CHK.	EK	1-76

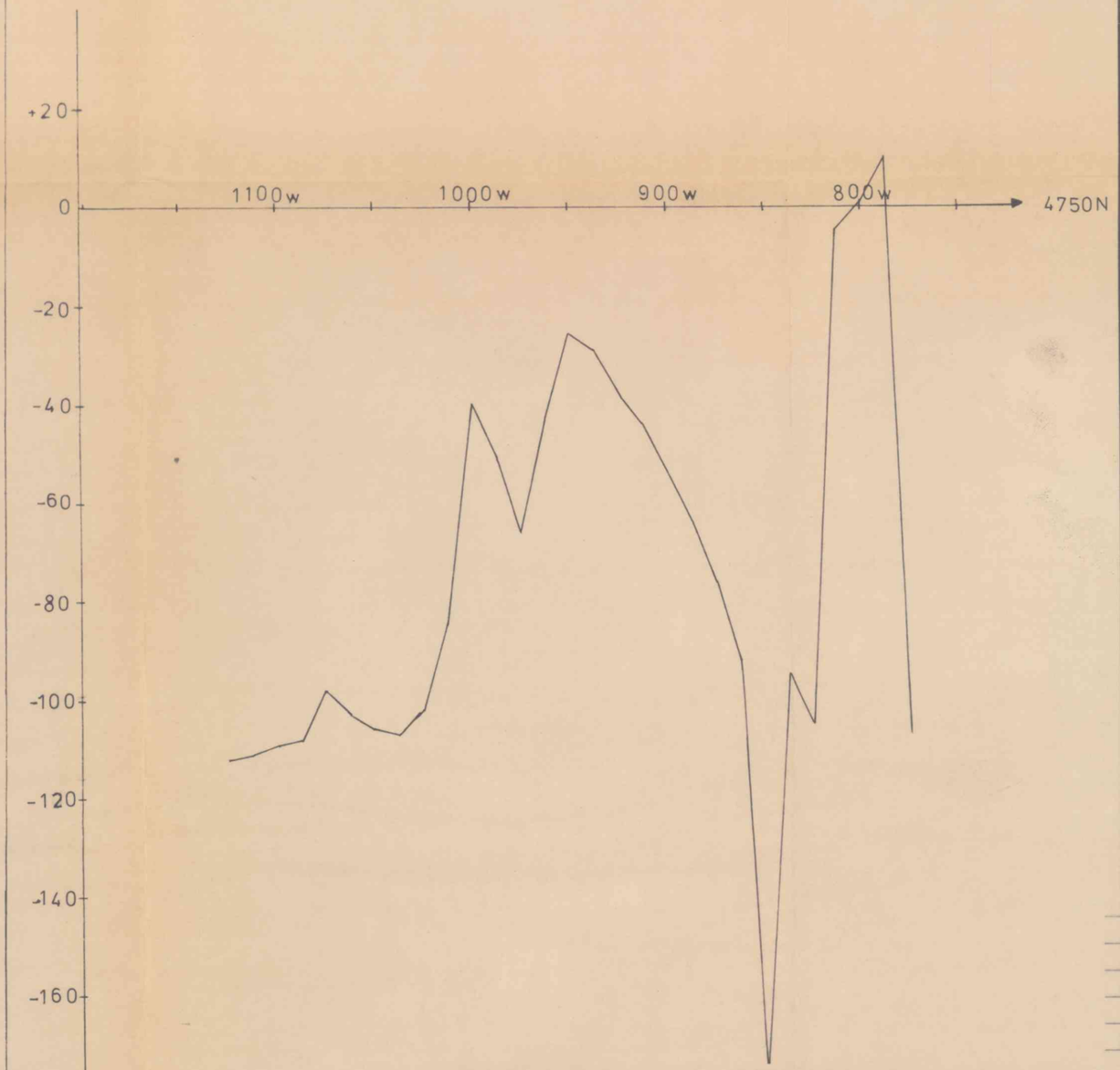
% **SULFIDMALM**

MAP NO. 365-75-17

MAP SHEET

A.s Tørrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.





SALGGANGRID , MASI 1775

SHOOT-BACK 50 m

PROFILES: 4800 & 4750 N Ag.

SCALE 1:2000

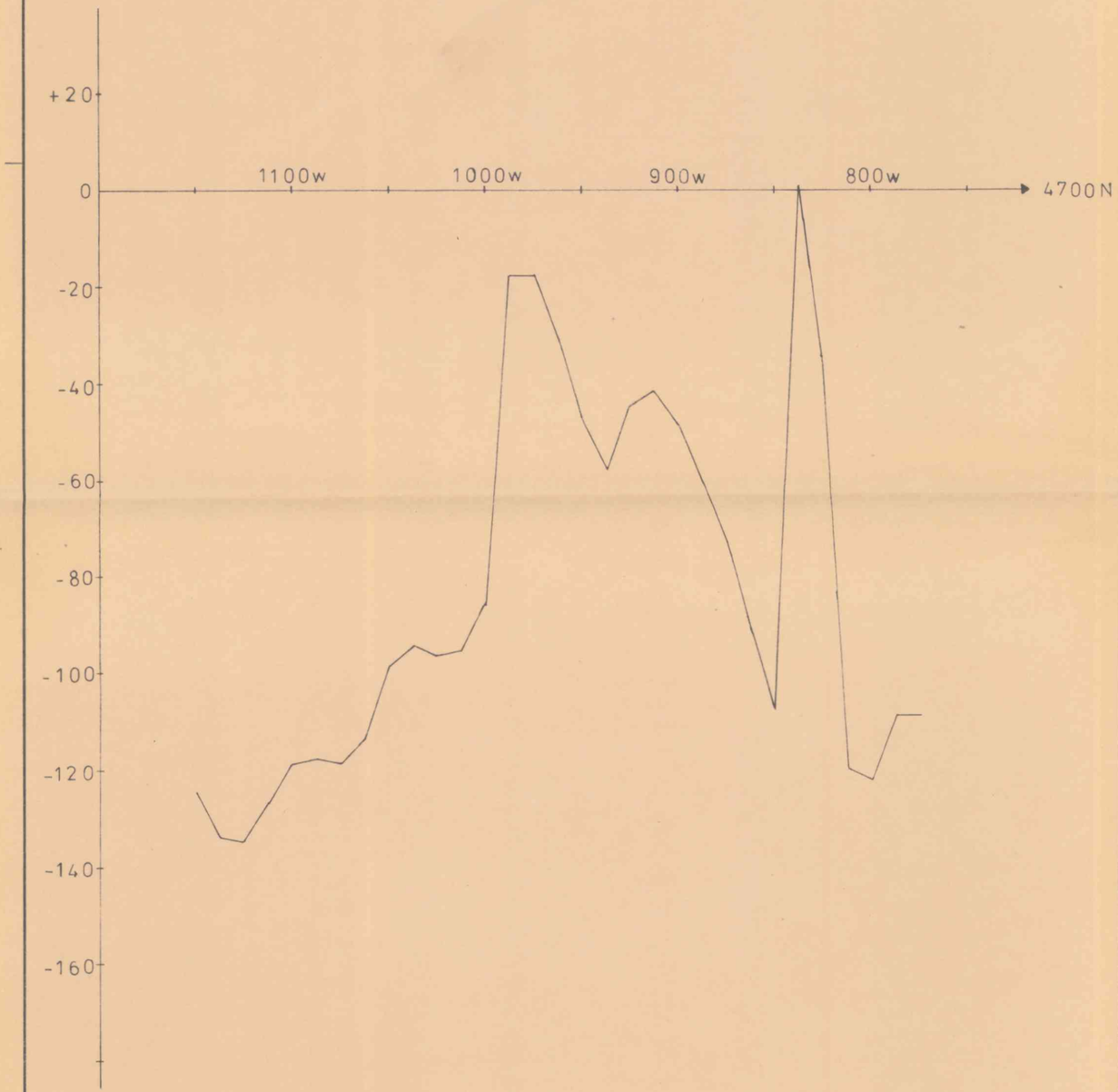
OBS.	MP	7-75
DRAW.	MP	7-75
TRAC.	MP	7-75
CHK.	EK	1-76

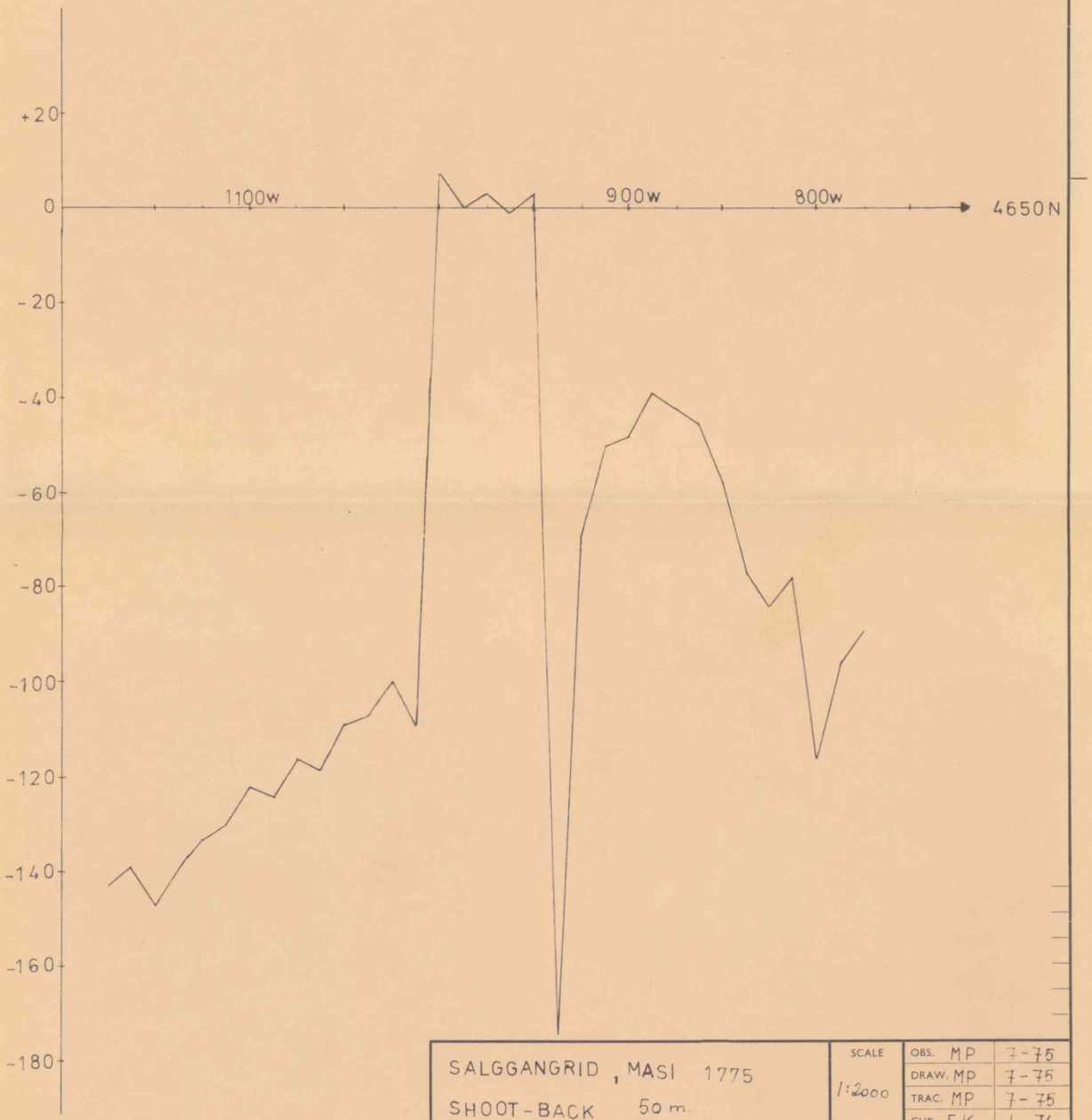
⅛ SULFIDMALM

MAP NO. 365-75-17

MAP SHEET

A.s Tørrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.





SALGGANGRID , MASI 1775
SHOOT-BACK 50 m
PROFILES: 4700N & 4650N Ag.

SCALE 1:2000

OBS. MP	7-75
DRAW. MP	7-75
TRAC. MP	7-75
CHK. EK	1-76

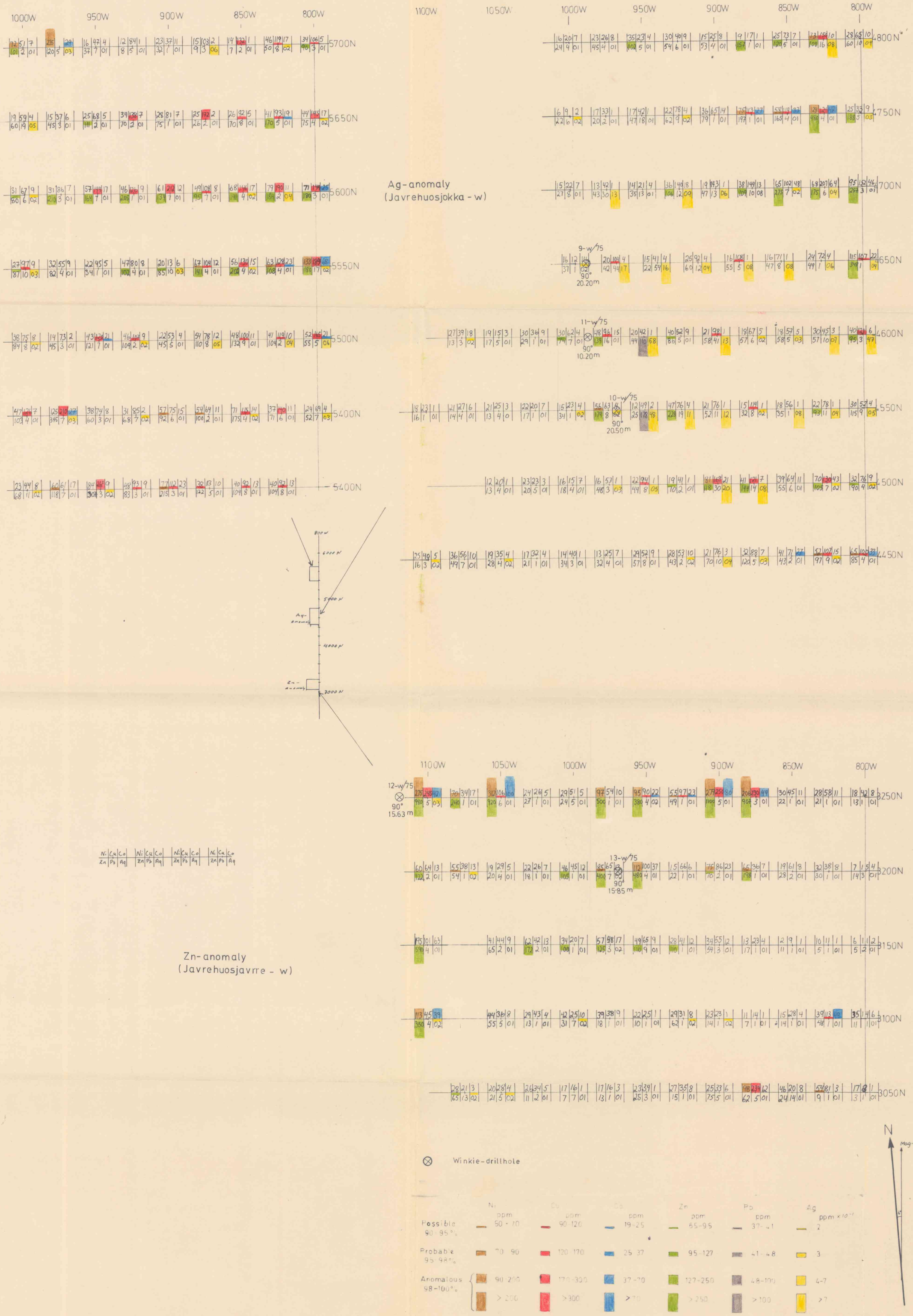
185

MAP NO. 365-75-17

% SULFIDMALM

A.s Tørrkopi. 2000 A 2. E 9 gl. 10-71. Sentrum Trykkeri.

SALGGANGRID, MASI 1775 shoot-back 50m Profiles: 4700N & 4650N



SALGGANGRID, MASI 17 74
DETAIL TILL-SAMPLING
drilling
ASSAYS

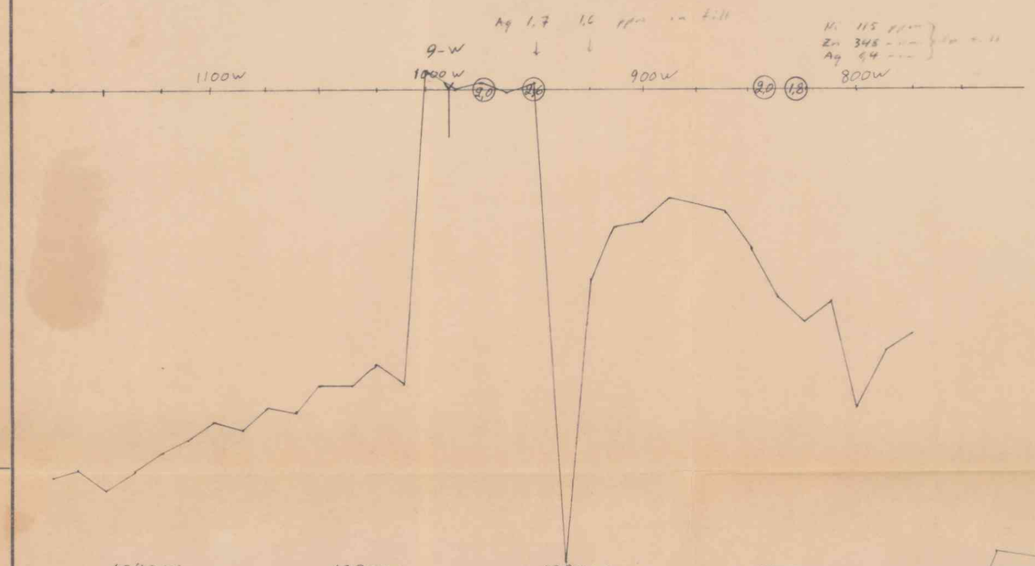
⅛ SULFIDMALM

SCALE		
1:1250	OBS. EK/MP	10-74
	DRAW.	
	TRAC. MS	1-75
	CHK. EK	1-75

MAP NO. 365-75-17

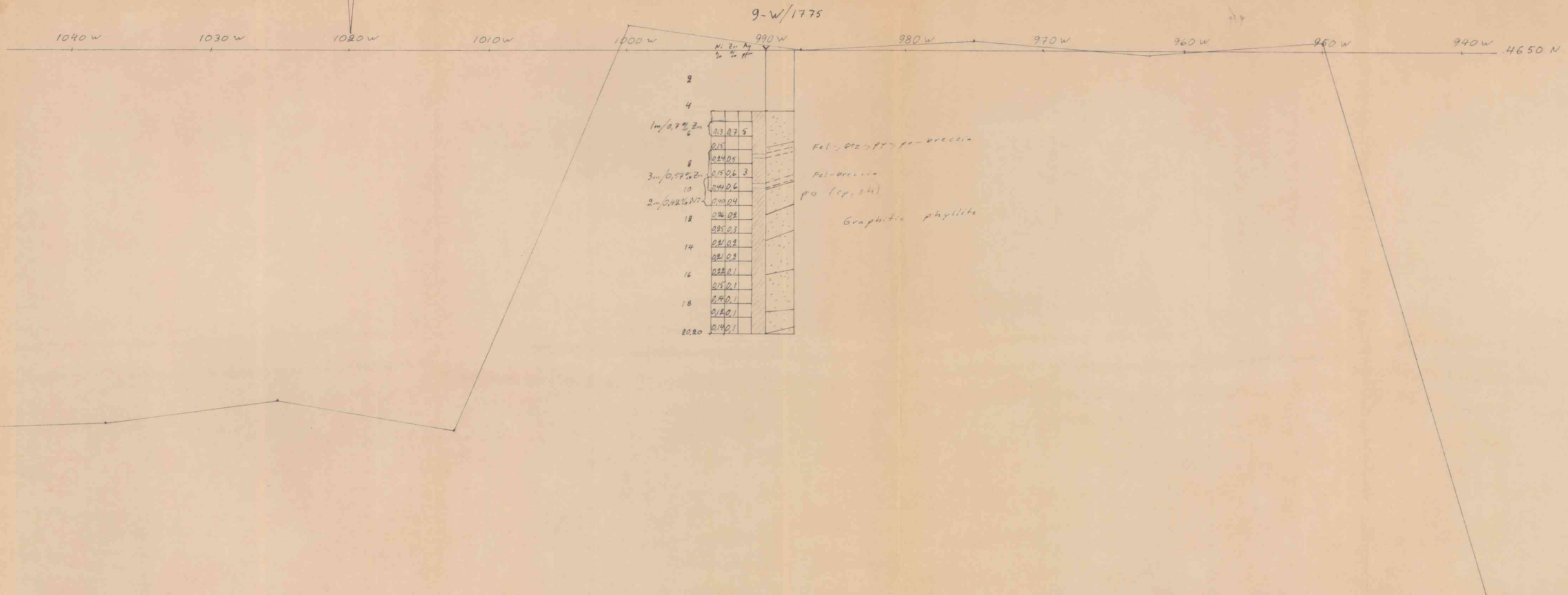
MAP SHEET 1834 II B

SALGGANGRID, Masi 1774 Detail till-sampling drilling Assays Fig 4.



1 : 2000

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



MASI 1775	9-W	SCALE 1:200	OBS. LN 9-75
SALGGANGRID			DRAW. EK 9-75
JAVREHUOSJOKKA -W-Ag			TRAC. EK 2-76
Winkie drilling	4650N		CHK. EK 2-76
			9851
⅛ SULFIDMALM		MAP NO. 365/75/17	
		MAP SHEET	

A.s Tørrkopi. 2000. A-2. E 9 gl. 10-71. Sentrum Trykkeri.

Pb 173 Zn 228 ppm
Ag 4,8 1,1 1,2 ppm in t.h

1100 W 1000 W 10-W 900 W 800 W 4550 N

1:2000

Road

1040 W 1030 W 1020 W 1010 W 1000 W 990 W 980 W 970 W 960 W 950 W 940 W 4550 N

10-W/1775

Ni % Zn % Ag ppm

2
4
6
8
10
12
14
16
18
2050

pa (sp.sch)
Graphitic phyllite
qtz-veins

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

MASI 1775 10-W
SALGGANGRID
JAVREHUOSJOKKA-W-Ag
Winkie drilling 4550N

SCALE 1:200

OBS.	LN	9-75
DRAW.	EK	9-75
TRAC.	EK	2-76
CHK.	EK	2-76

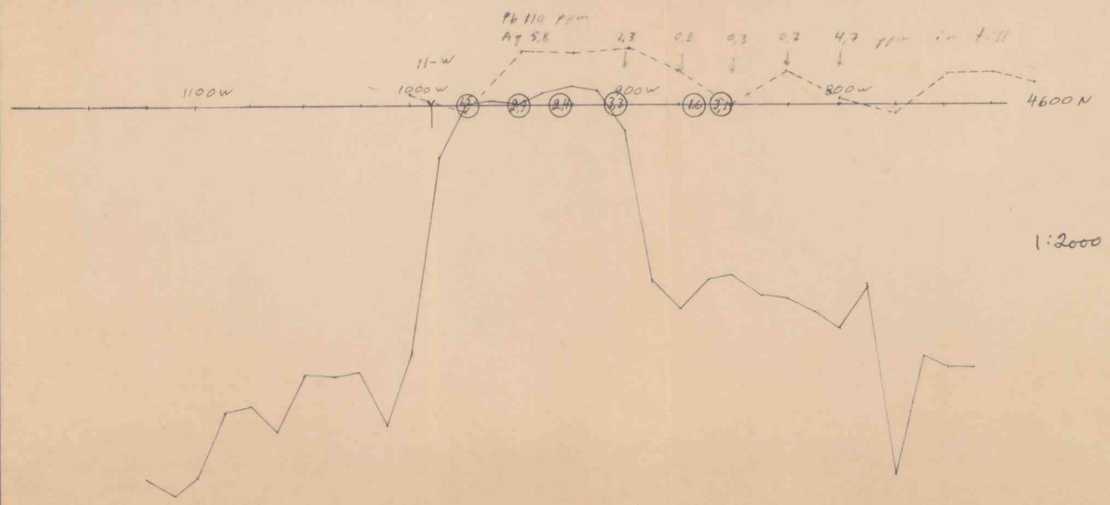
GBS

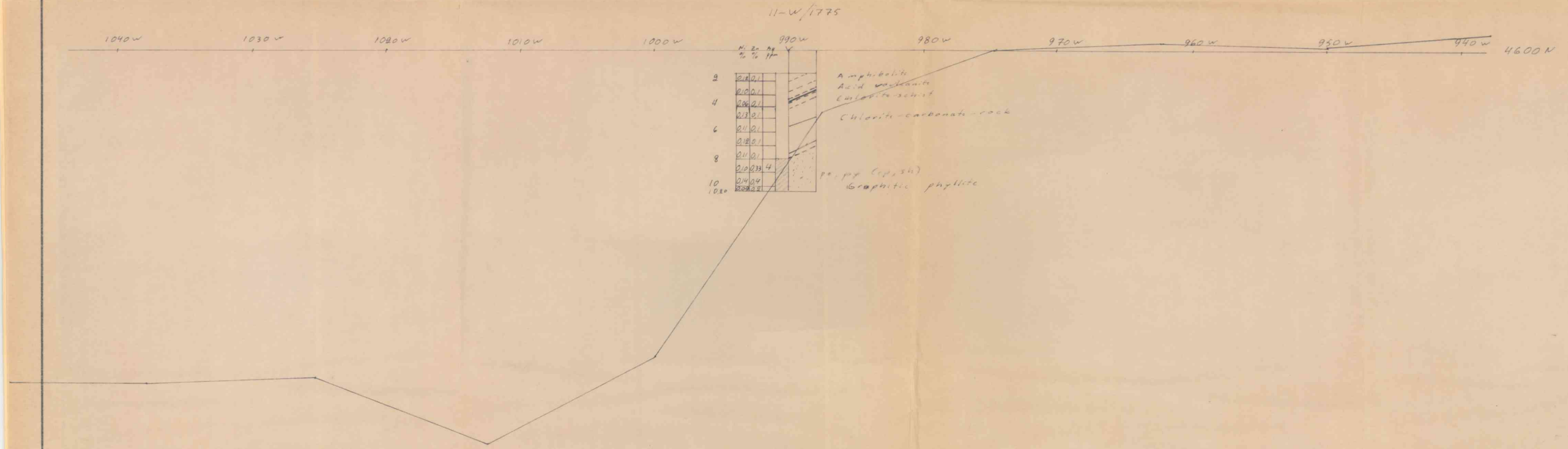
MAP NO. 365/75/17

MAP SHEET

% SULFIDMALM

A.s Tørrkopl. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.



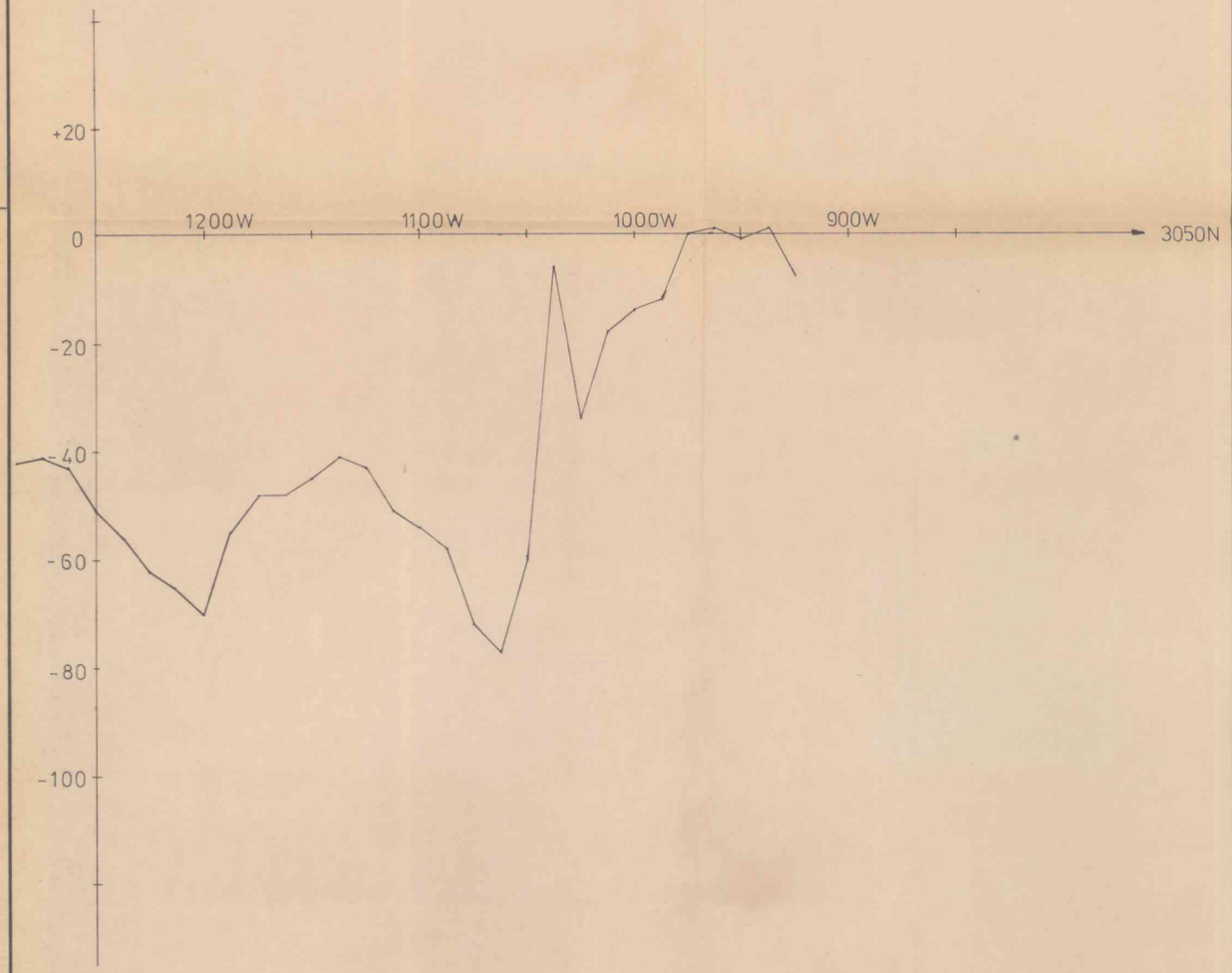


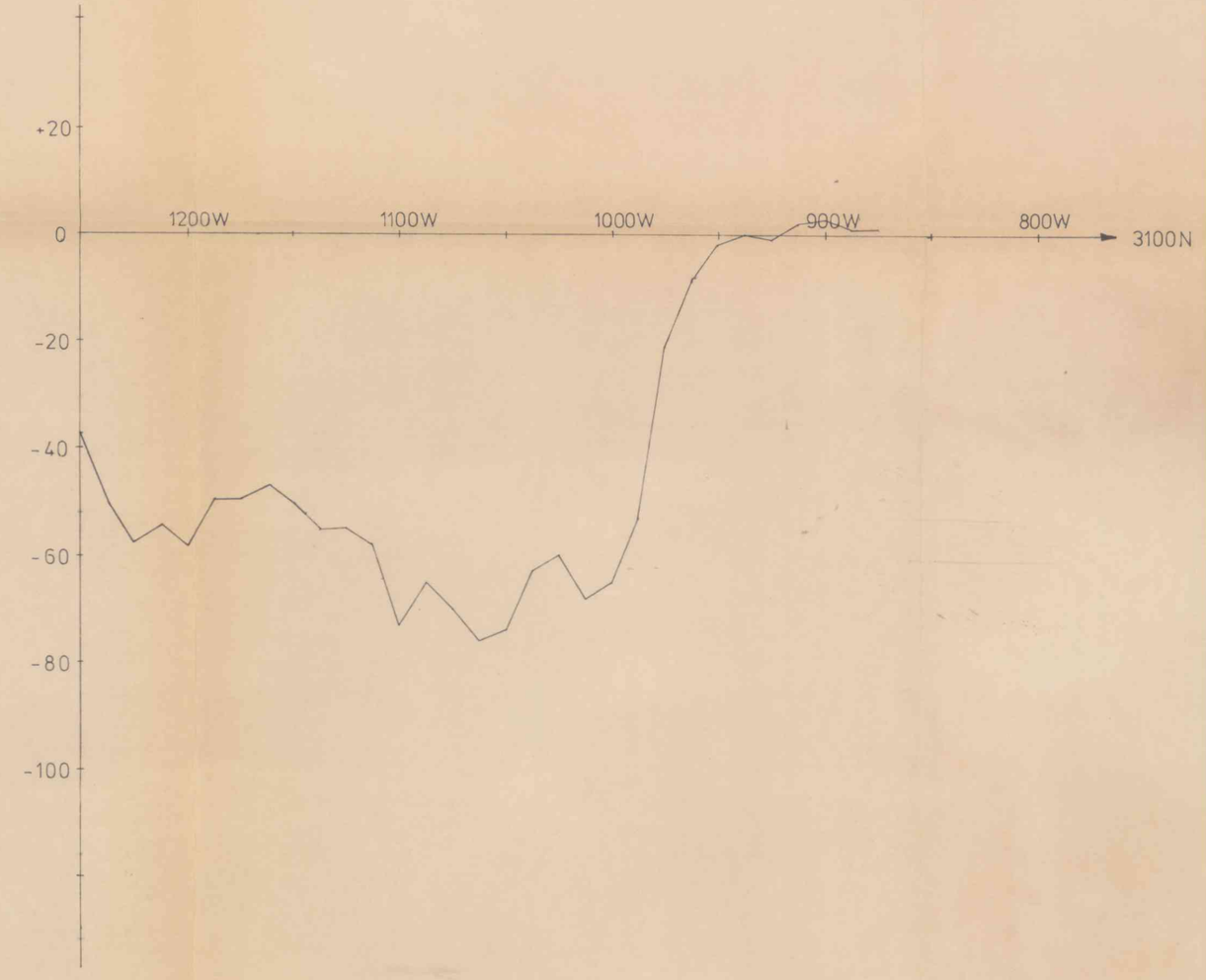
Only one sample was analysed for Ag

MASI 1775	11-W	SCALE 1:200	DES. LN 9-75
SALGGANGRID			DRAW. EK 9-75
JAVREHUOSJOKKA-W-Ag			TRAC. EK 2-76
Winkie drilling	4600N		CHK. EK 2-76
⅛ SULFIDMALM		MAP NO. 365/75/17	
		MAP SHEET	

A.s Tørrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.

Geophysics





SALGGANGRID, MASI 1775

SHOOT-BACK 50m

PROFILES : 3050N & 3100N

Zn

SCALE			
1:2000	OBS.	MP,OH	7-75
	DRAW.	OH	7-75
	TRAC.	OH	7-75
	CHK.	EK	1-76

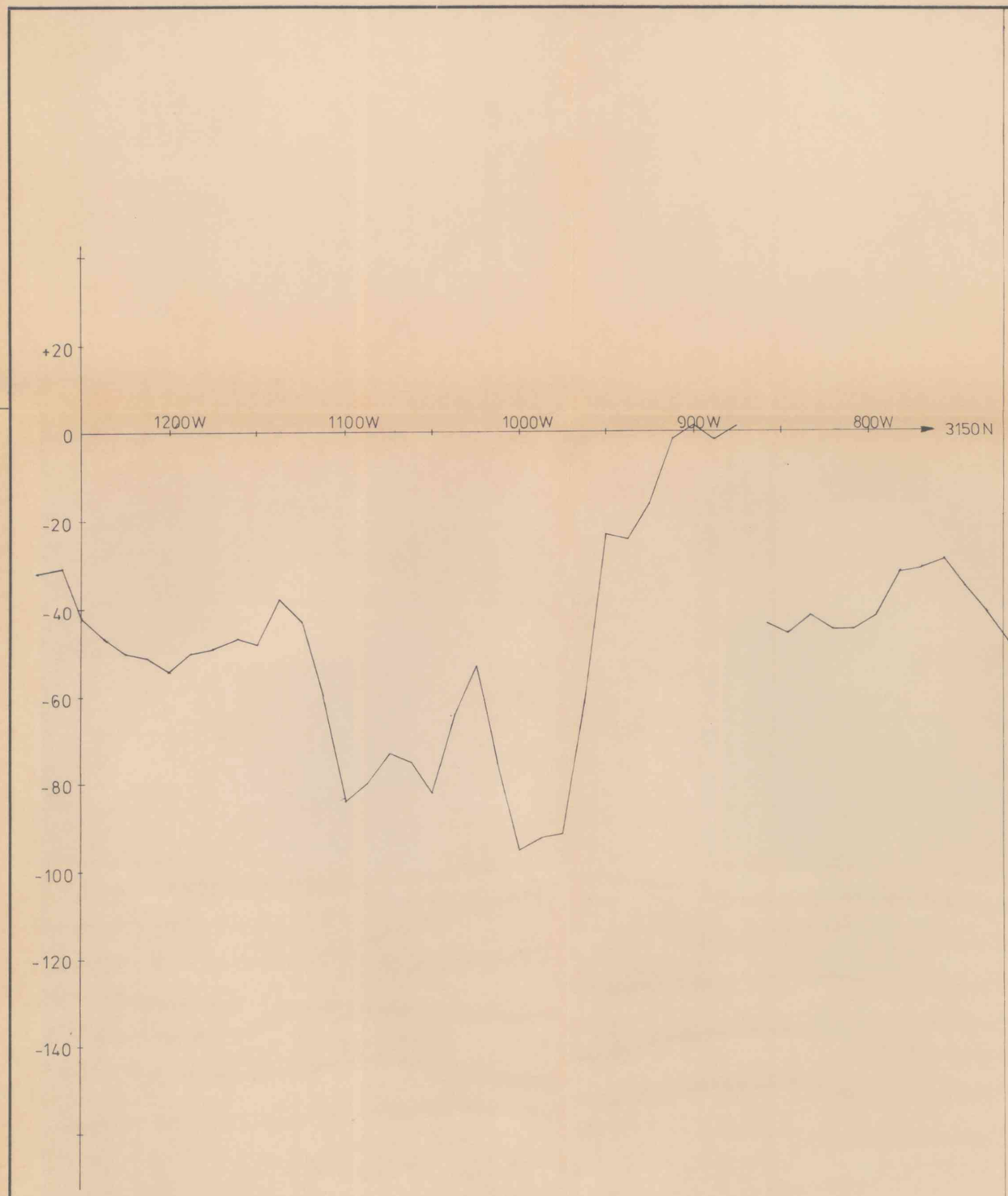
½ **SULFIDMALM**

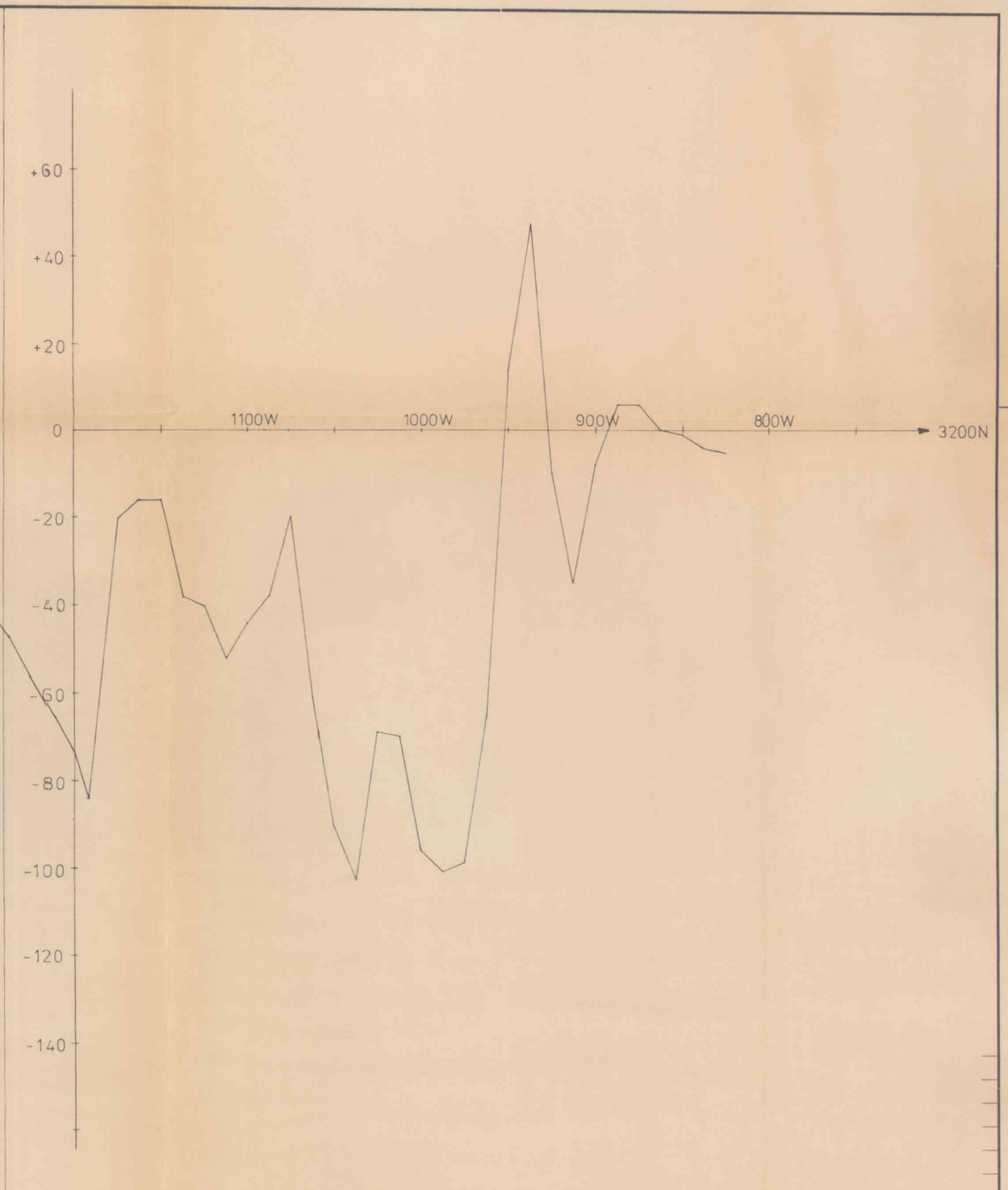
MAP NO.

365-75-17

MAP SHEET

A.s Terrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.





SALGGANGRID, MASI 1775

SHOOT-BACK 50 m

PROFILES: 3150N & 3200N

Zn

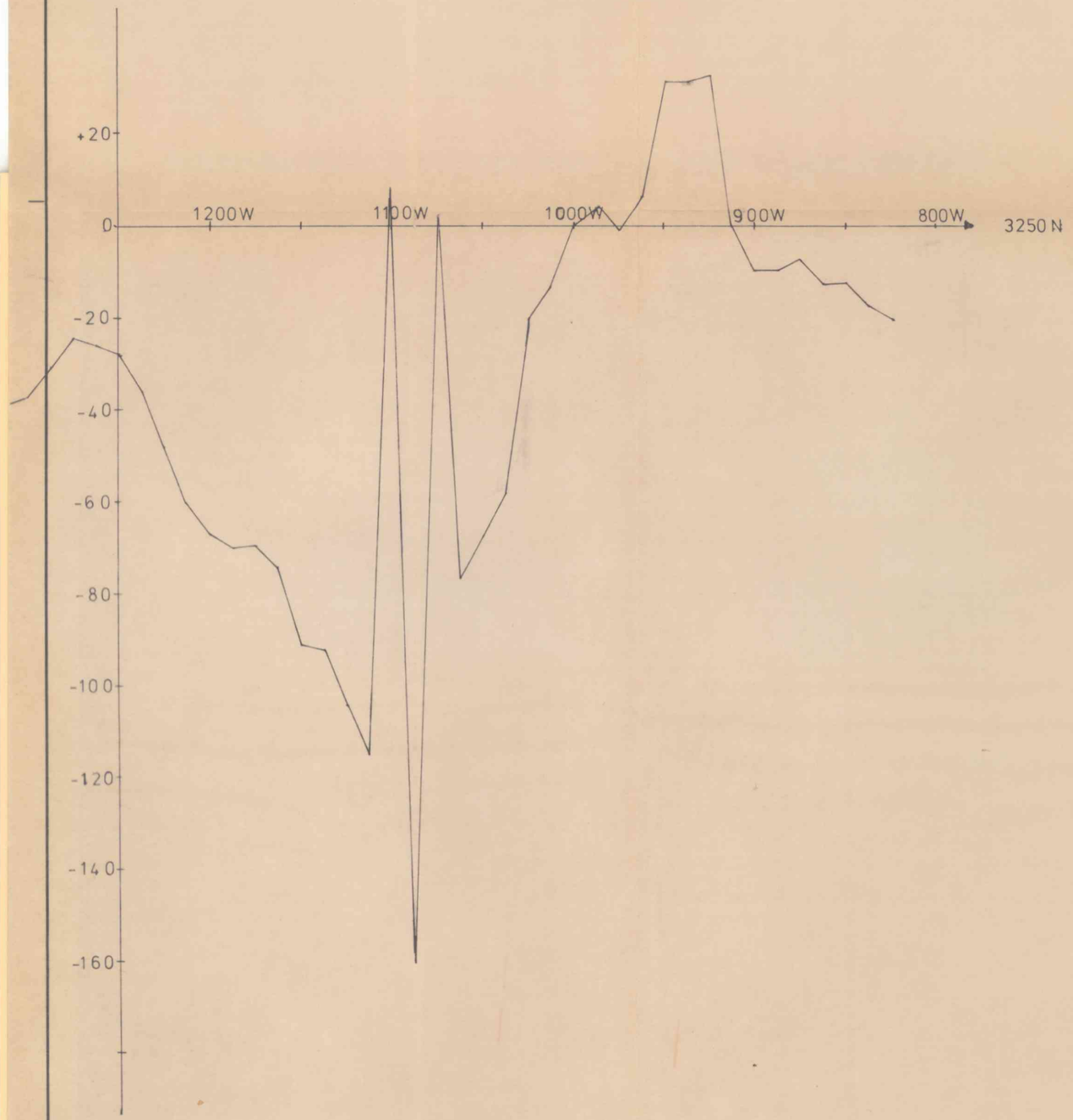
⅛ SULFIDMALM

SCALE			
1:2000	OBS. MP,OH	7-75
	DRAW. OH	7-75
	TRAC. OH	7-75
	CHK. EK	1-75

MAP NO. 365-75-17

MAP SHEET

A.s Terrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.



SALGGANGRID, MASI

SHOOT - BACK 50 m

PROFILES : 3250 N &

1775

Zn

⅛ SULFIDMALM

SCALE		
1:2000	OBS. MP, OH	7-75
	DRAW. MP	7-75
	TRAC. MP	7-75
	CHK. EK	1-76

MAP NO. 365-75-17

MAP SHEET

A.s Terrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.

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

1300 W 1200 W 12-W 1100 W 1000 W 900 W 800 W 3250 N

(1.8) (1.5) (2.2)

1:2000

1150 W 1140 W 1130 W 12-W/1775 1120 W 1110 1100 W 1090 W 1080 W 1070 W 1060 W 1050 W 3250 N

2
4
6
8
10
12
14
15.63

po (cp)

carbonate-rich sandstone
- thin graphitic layers

Shoot-back

MASI 1775
SALGGANGRID 12 W
JAVREHUOSJAVRRE-W,-Zn.
Winkie drilling 3200 N

SCALE 1:200

OBS. LN	9-75
DRAW. EK	10-75
TRAC. BB	11-75
CHK.	3-76

1/8 SULFIDMALM

MAP NO. 365-75-17

MAP SHEET

Ni 112 ppm
Cu 194 "
Co 37 "
Zn 480 "

13-W

1300W 1200W 1100W 1000W 900W 800W 3200N

1:2000

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

13-W/1775

1000W 990W 980W 970W 960W 950W 940W 930W 920W 910W 900W 3200N

Shoot-back

2
4
6
8
10
12
14
15.85

po

Carbonate-rich sandstone

Greenschist

MASI 1775 SALGGANGRID
JAVREHUOSJAVRRE -W, -Zn.
13 W
Winkie drilling 3200N

SCALE 1:200

OBS. LN	9-75
DRAW. EK	10-75
TRAC. BB	11-75
CHK.	3-76

MAP NO. 365-75-17

MAP SHEET

% SULFIDMALM

A.s Tørrkopi. 2000. A 2. E 9 gl. 10-71. Sentrum Trykkeri.