



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr BV 528	Intern Journal nr	Internt arkiv nr	Rapport lokalisering Trondheim	Gradering Åpen
Kommer fra ..arkiv Falconbridge	Ekstern rapport nr Sul 429-76-20	Oversendt fra Sulfidmalm A/S	Fortrolig pga	Fortrolig fra dato:
Tittel Investigations in the Kvikne region, 1976. Geophysical investigations in the Storinnsjøen north grid. Vakkerlien, Kvikne.				
Forfatter F Nixon R Sivertsen		Dato 1976	Bedrift Sulfidmalm A/S	
Kommune Tynset	Fylke Hedmark	Bergdistrikt Østlandske	1: 50 000 kartblad 16203	1: 250 000 kartblad Røros
Fagområde Geofysikk	Dokument type Rapport	Forekomster Vakkerlien		
Råstofftype Malm/metall	Emneord Cu Ni			
Sammendrag Denne har vi to eksemplarer av i Trondheim				

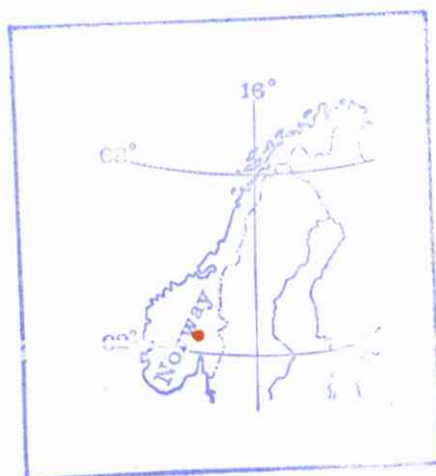
FOR FALCONBRIDGE NIKKELVERK A/S
A/S SULFIDMALM
Project 905-20
INVESTIGATIONS IN THE KVIKNE REGION
1976

Geophysical investigations in
Storinnsjøen north grid.
Vakkerlien, Kvikne.

By

F. Nixon

R. Sivertsen



A/S SULFIDMALM
INTER-OFFICE MEMORANDUM

Date: 23rd April 1977 ✓
To: Falconbridge Nikkelverk A/S
cc: W. D. Harrison, H. T. Berry, R. Jahnsen,
F. Nixon, R. Sivertsen
From: J. B. Gammon
Subject:

Report No. 429/76/20. Storinnsjøen N. Kvikne.

Please find attached the results of VLF-mag. detailing of an anomaly initially discovered during the reconnaissance winter programme in 1976.



27

MOTTATT		20. 06. 77		BESV.	ARK.
ADM. DIR.				PROD. SJEF	
ASS. DIR.				EL. LYSEAVD.	
ADM. SJEF				M. L. AVD.	
SKIPN. AVD.				FL. & SM. AVD.	
INNKJ. AVD.				EL. TEKN. AVD.	
REGNSK. AVD.				INSTR. AVD.	
PERSONALDIR.				MEK. AVD.	
FORSKN. DIR.				PROSJE. AVD.	
3	SAKSBE. ARB.				Svar dato

SUMMARY

The Storinnsjøen north grid lies ca. 2 km west of the main Vakkerlien zone. The location is shown on enclosure 1.

A V.L.F. anomaly picked up during the 1976 winter survey (report nr. 403.76.20) was detailed during the summer on 50 m line spacings with readings every 25 m for V.L.F. and every 5 m for proton magnetic measurements.

Instruments used were a Norwegian Paulsen V.L.F. unit and a Geometrics G816 proton unit.

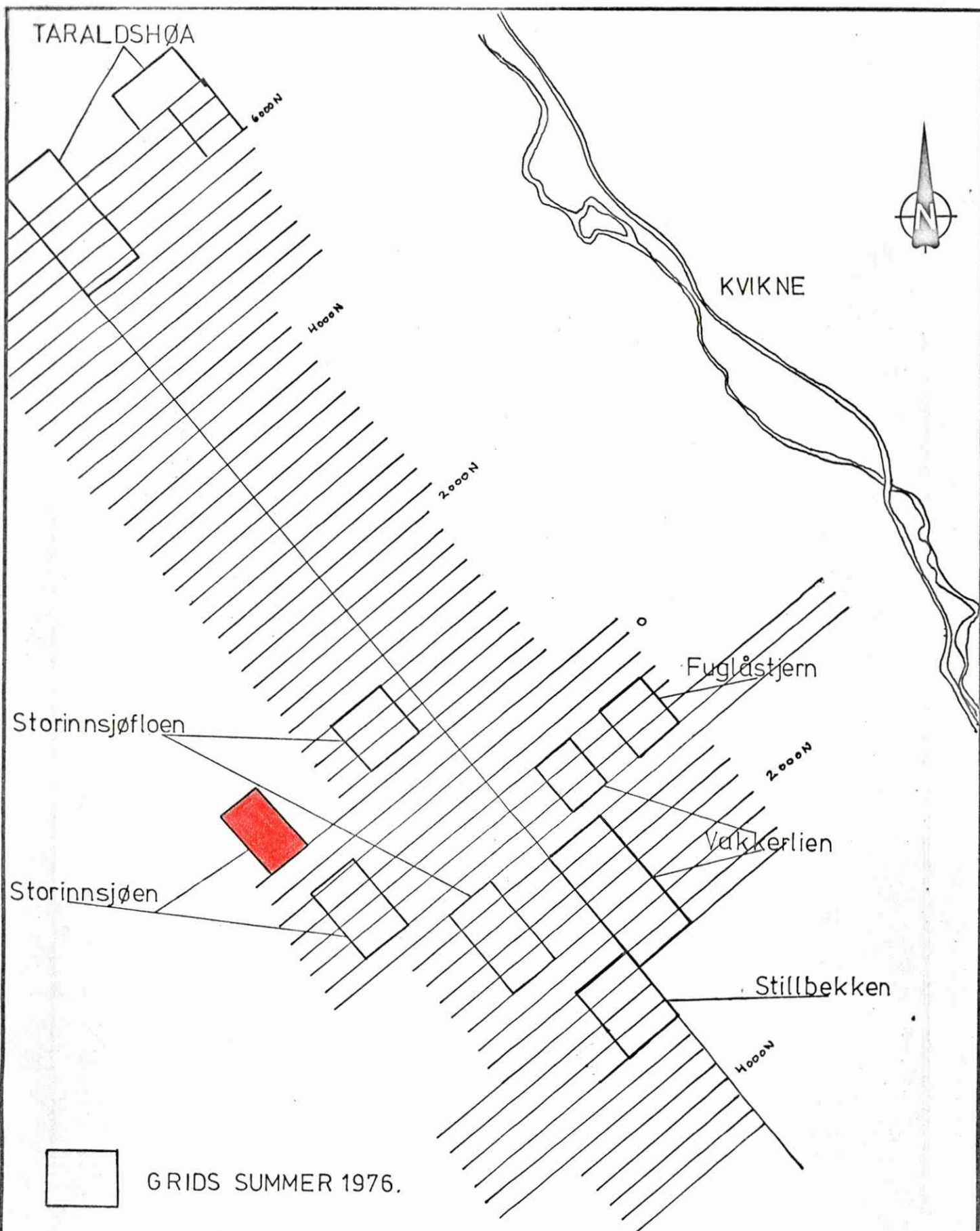
Results are presented on the enclosed maps.

The main V.L.F. anomaly is weak and broad with a cross over trace running from 1000N/2000W to 750N/1975W. This anomaly however is marked by a well defined proton anomaly.

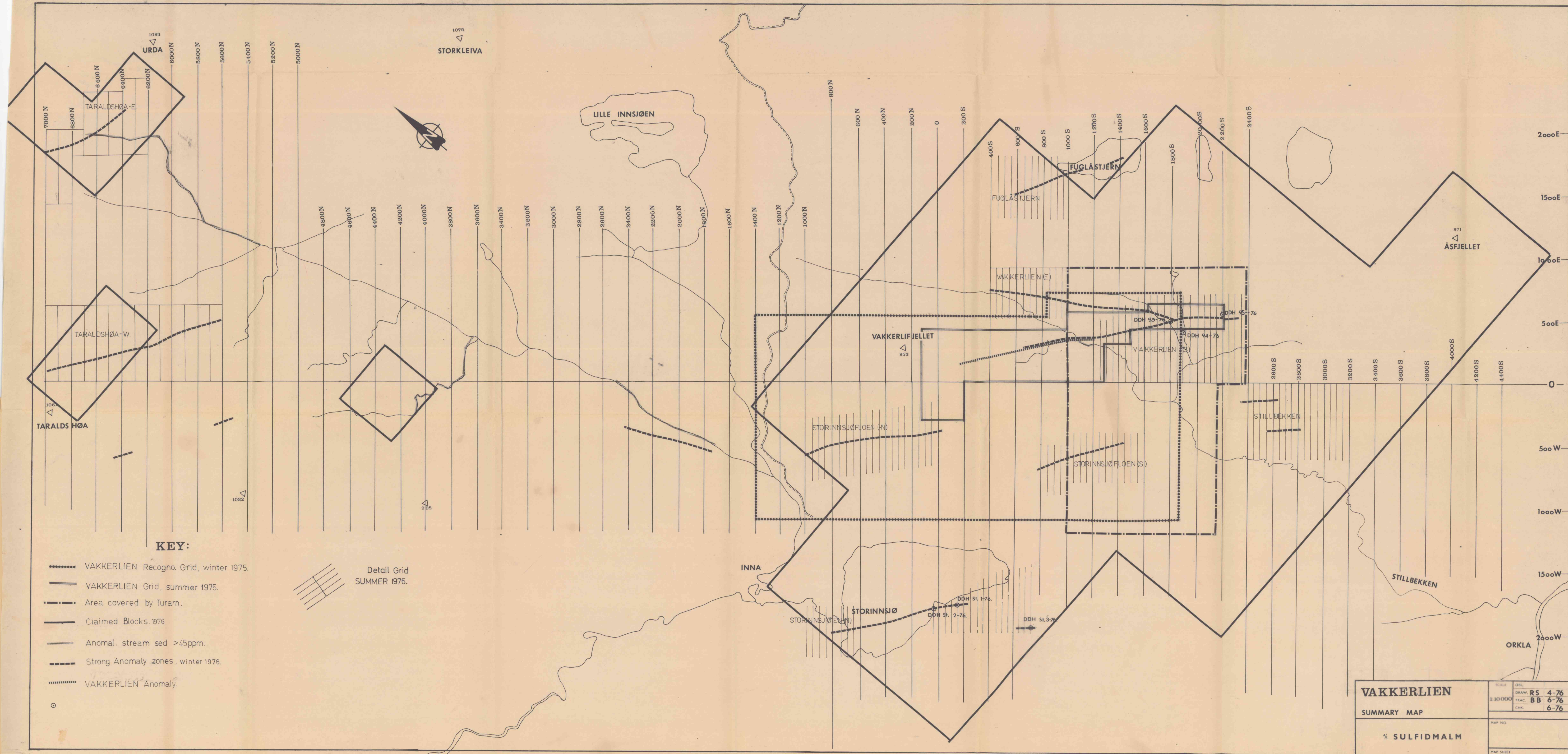
A small cross over on line 950N/2075W is also co-incident with a strong magnetic peak.

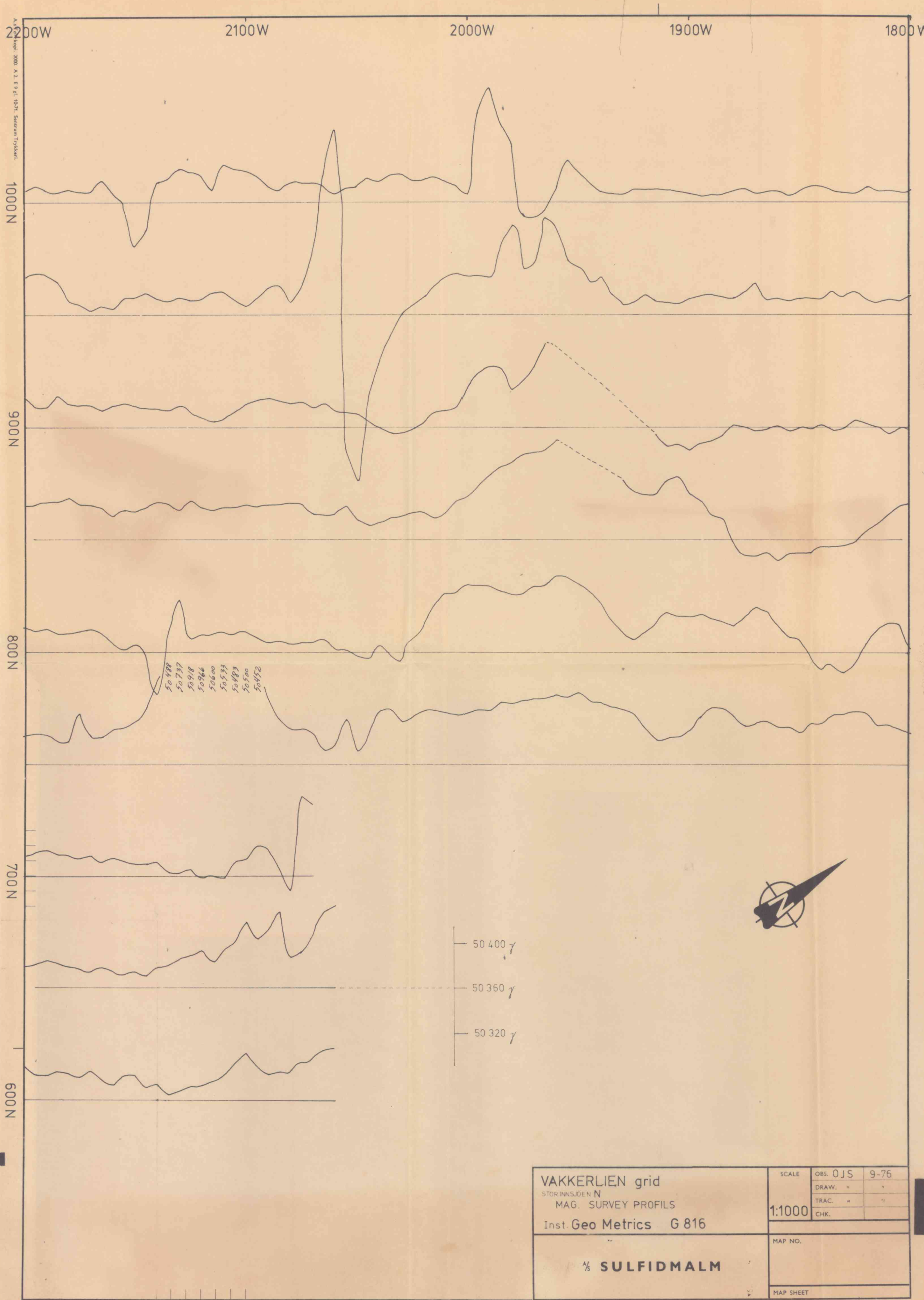
Enclosures.

- | | | |
|----|--------------------------------|----------|
| 1) | Vakkerlien area grid locations | 1:50,000 |
| 2) | Vakkerlien summary map | 1:10,000 |
| 3) | V.L.F. survey | 1:1000 |
| 4) | Mag. survey | 1:1000 |



A/S SULFIDMALM	
VAKKERLIEN AREA, with Grid Location.	
SCALE 1:50000	DRAWN RS.





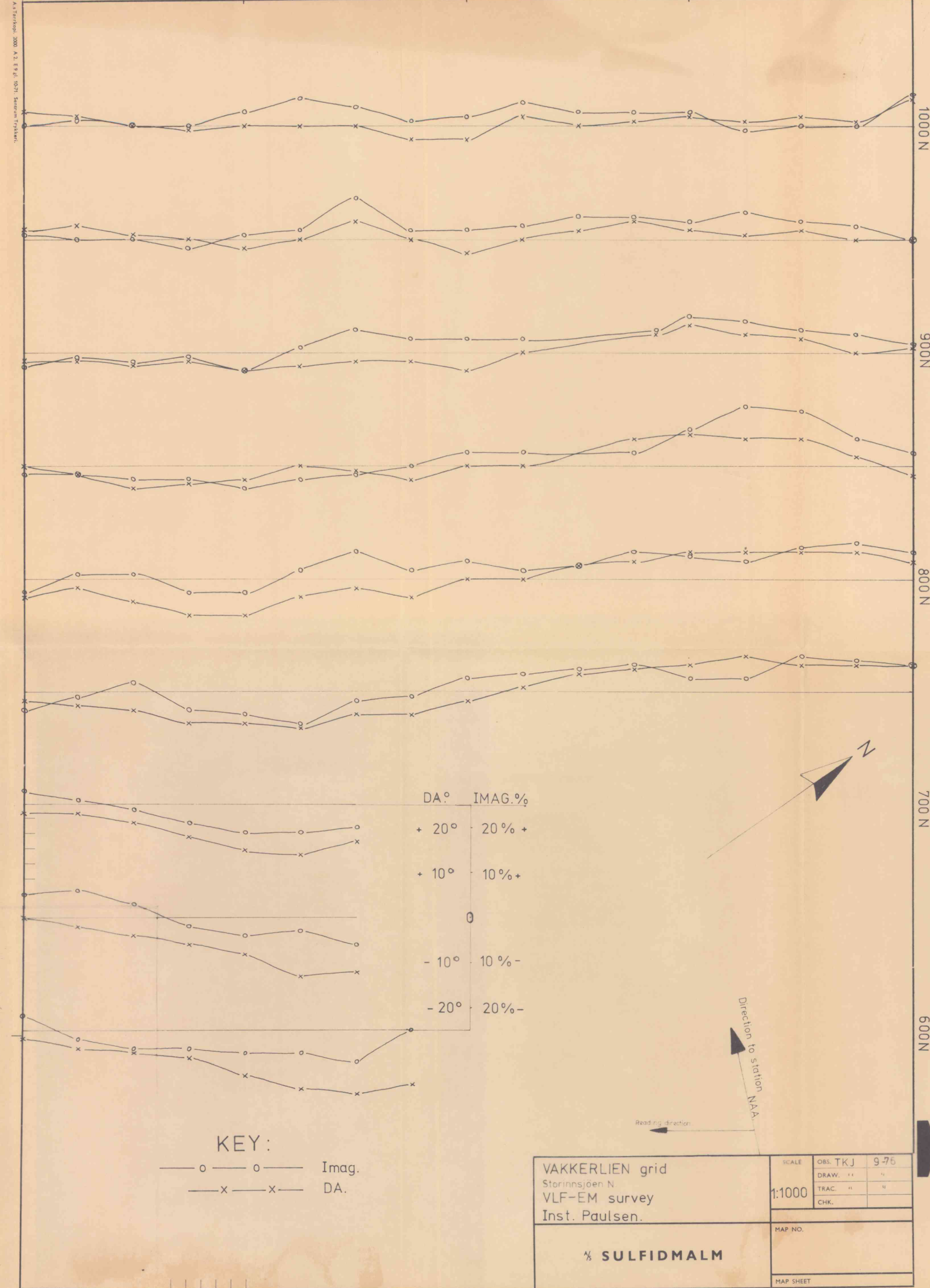
50488
50737
50918
50966
50600
50533
50483
50500
50452



50 400 γ
50 360 γ
50 320 γ

VAKKERLIEN grid STORINNSJÖEN N MAG. SURVEY PROFILES Inst. Geo Metrics G 816	SCALE	OBS. OJS	9-76
	1:1000	DRAW. "	"
		TRAC. "	"
		CHK.	
$\frac{1}{2}$ SULFIDMALM	MAP NO.		
	MAP SHEET		

2200W 2100W 2000W 1900W 1800W



KEY:

— o — o — Imag.
— x — x — DA.

DA° IMAG.%
+ 20° 20% +
+ 10° 10% +
0
- 10° 10% -
- 20° 20% -

VAKKERLIEN grid
Storinnsjöen N
VLF-EM survey
Inst. Paulsen.

SCALE	OBS. TKJ	9-76
1:1000	DRAW. "	"
	TRAC. "	"
	CHK.	

MAP NO.
MAP SHEET

% SULFIDMALM