



Bergvesenet

Postboks 3021, 7002 Trondheim

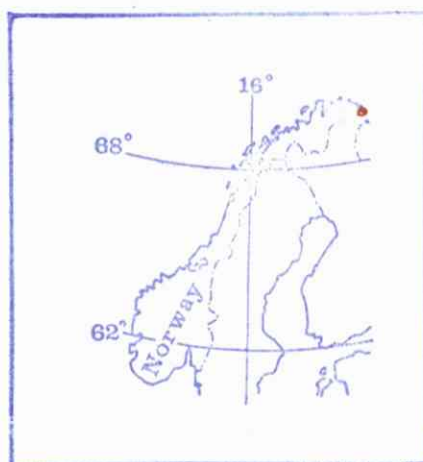
Rapportarkivet

Bergvesenet rapport nr BV 499	Intern Journal nr	Internt arkiv nr	Rapport lokalisering Trondheim	Gradering Åpen
Kommer fra ..arkiv Falconbridge	Ekstern rapport nr Sul 348-74-23	Oversendt fra Sulfidmalm A/S	Fortrolig pga	Fortrolig fra dato:
Tittel Geophysical Survey in Pasvik, Fagermo East Grid, Summer 1974				
Forfatter B Lieungh		Dato 1974	Bedrift Sulfidmalm A/S	
Kommune Sør-Varanger	Fylke Finnmark	Bergdistrikt Finnmark	1: 50 000 kartblad 24334	1: 250 000 kartblad Kirkenes
Fagområde Geofysikk	Dokument type Rapport		Forekomster	
Råstofftype Malm/metall	Emneord Ni Cu			
Sammendrag Geofysiske målinger fra Fagermo øst grid				

FOR FALCONBRIDGE NIKKELVERK A/S
A/S SULFIDMALM
PROJECT 905-23

GEOPHYSICAL SURVEY IN PASVIK
FAGERMO EAST GRID
SUMMER 1974

B. LIEUNGH



A/S SULFIDMALM
INTER-OFFICE MEMORANDUM

Date: 30th June, 1975

To: Falconbridge Nikkelverk A/S ✓

cc: W. D. Harrison, H. T. Berry, R. B. Band,
B. Lieungh, A/S Sydvaranger ved Prospekteringssjef
Sverdrup.

From: J. B. Gammon

Subject:

905-23. Geophysics at Fagermo East, Pasvik Joint Venture.
..... Report No. 348/74/23.

Please find attached Lieungh's summary of geophysical coverage of the Fagermo East grid in the Pasvik area. Interpretation of these data in combination with geological and geochemical information has been carried out and lead to the selection of the drill targets summarised in the Sulfidmalm progress report for May 1975.

J. B. Gammon

MOTTATT		07. 07. 75	BESV.	ARK.
ADM. DIR.			FORSKN./UTV.	
TEKNISK DIR.			EL. LYSEAVD.	
PERSONALDIR.			M.L. AVD.	
ADM. SJEF			R. & SM. AVD.	
INNKL. AVD.			EL. TEKN. AVD.	
REGNSK. AVD.			INSTR. AVD.	
SKIPN. AVD.			MEK. AVD.	
SJEFMET.			PROSJ. AVD.	
3	SAKSBEARB.			SVARDATO

The last part of the Fagermo east grid, not covered during the winter 1974 programme, was covered by mag and VLF in 25 x 100 m grid.

The survey was carried out by a two-man team from A/S Sulfidmalm.

For the magnetic measurements a McPhar fluxgate magnetometer was used and a Crone Radem was used for the EM-survey, using station BOF.

Calibration point was the same as for the winter '74 geophysical survey.

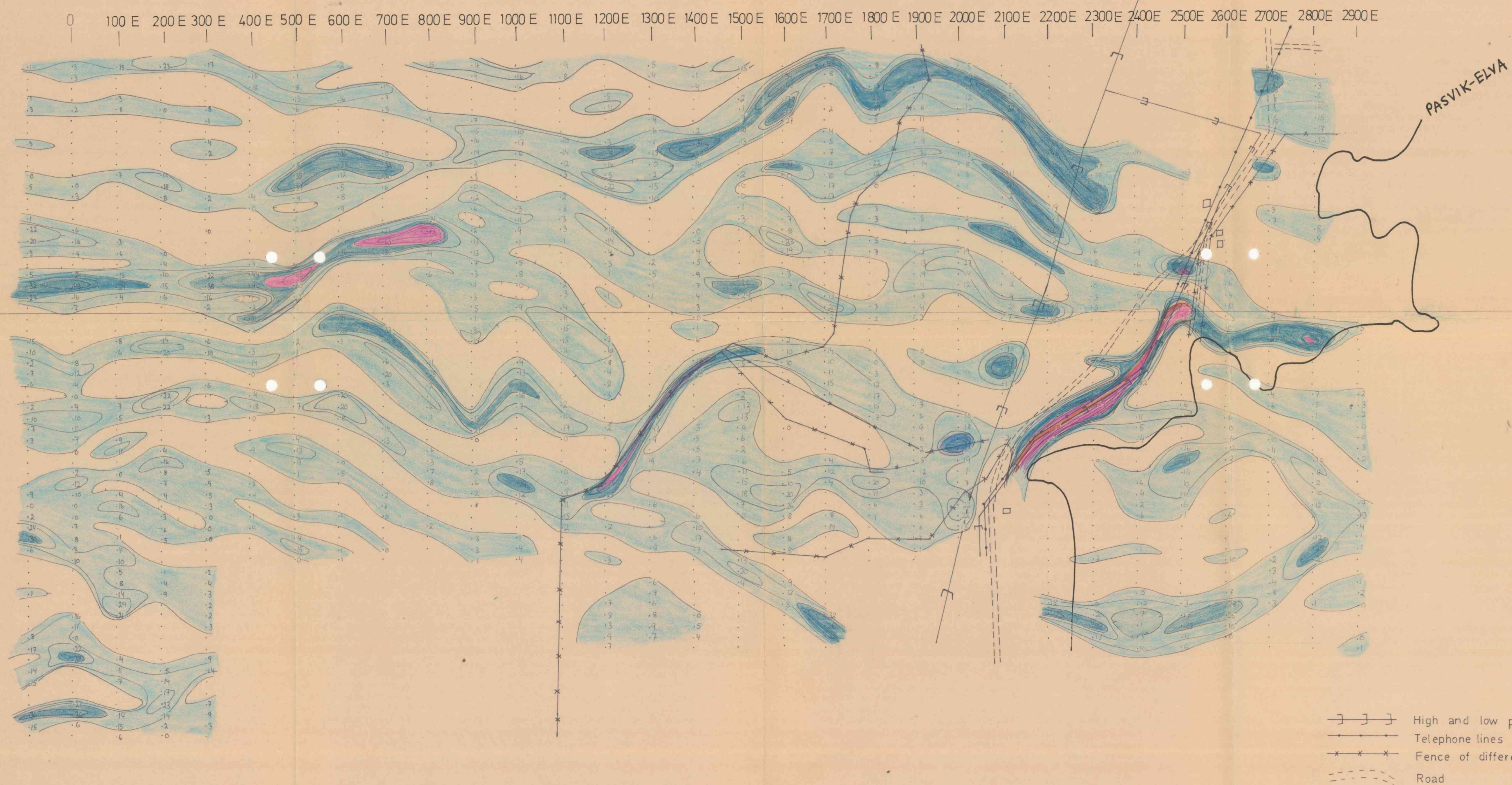
The profile lines were put out by compass with reading points marked in the field by yellow ribbons with written coordinates.

The mag data has been plotted together with the the winter data and contoured in the ordinary way (enclosure 1). The VLF data were contoured with smaller intervals in order to get a more clear presentation. (Enclosure 2)

In the Fagermo east grid a lot of electrical telephone wires cross the eastern part of the area and disturb the measurements.

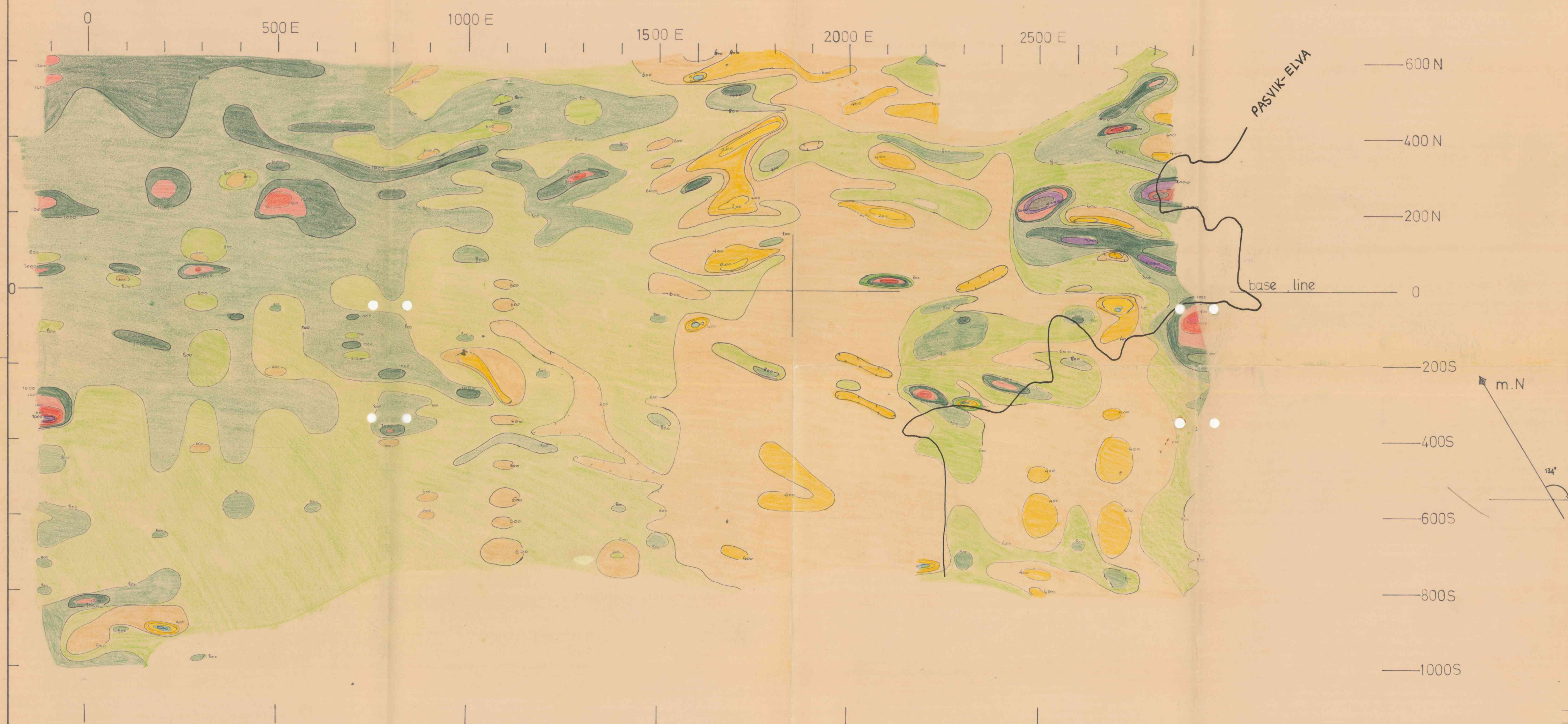
A large reindeerfence and a few farmfences caused minor disturbances in the EM-picture. All this technical equipment and houses are plotted on the VLF map, with the coast line of the Pasvik river in the east.

For geological information see report no. 350/74/23 with geological map in the same scale.



- — — — — High and low power electric line
- — — — — Telephone lines
- x - x - x - Fence of different kinds
- - - - - Road

FAGERMO EAST GRID, PASVIK VLF-Fraser values	SCALE		OBS.	
			DRAW. BL	2-75
			TRAC. M.S.	2-75
			CHK. BL	2-75
% SULFIDMALM	MAP NO.		348 74 23 2	
	MAP SHEET			



FAGERMO ÖST, PASVIK mag. data vert. field	SCALE		OBS. BL 7-5-74
	1:		DRAW. JHS 7/4
	5000		TRAC. JHS 7-74
			CHK. FHS 7-74
% SULFIDMALM	MAP NO.		
	329/74-23-11		
	348/74/23/1		
	MAP SHEET		