



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

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Kommer fra ..arkiv Falconbridge	Ekstern rapport nr Sul 216-72-17	Oversendt fra Sulfidmalm A/S	Fortrolig pga	Fortrolig fra dato:
Tittel Siebe map sheet 1832 I. Reconnaissance interpretations of NGU's maps.				
Forfatter E Kreivi		Dato 1972	Bedrift Sulfidmalm A/S	
Kommune Kautokeino	Fylke Finnmark	Bergdistrikt Finnmark	1: 50 000 kartblad 18321	1: 250 000 kartblad Nordreisa
Fagområde Geologi	Dokument type Rapport	Forekomster Agjetjavre, Jevddisjavre, Suopatjavre, Vuovdejavre, Riednjavre, Avzzejavre		
Råstofftype Malm/metall	Emneord Cu Zn Ni Co			
Sammendrag Rapporten setter opp følgende områder som interessante: Agjetjavre, Jevddisjavre, Suopatjavre, Vuovdejavre, Riednjavre, Avzzejavre				

A/S SULFIDMALM
INTER-OFFICE MEMORANDUM

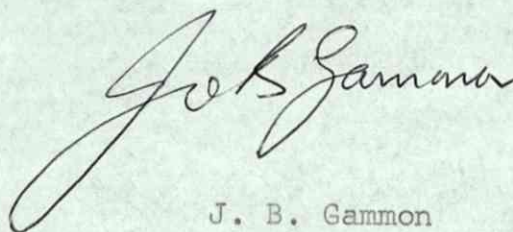
Date: 13.7.73

To: Falconbridge Nikkelverk A/S

cc: A.M. Clarke
H.T. Beny
E. Kreivi
From: R.B. Band
J.B. Gammon

Subject: 905-17. Siebe Map sheet, Finnmark, Report Nr. 216/72/17.

Please find attached a summary of NGU's work on this map sheet covering of the Precambrian of Finnmarksvidda. Kreivi has identified possible targets and recommended additional work. Some of this may be carried out during the 1973 field season.


J. B. Gammon

MOTTATT		16. 07. 73	BESV.	ARK.
ADM. DIR.		✓ Rf	FORSKN/UTV.	
TEKNISK DIR.			EL. LYSEAVD.	
PERSONAL DIR.			M.L. AVD.	
ADM. SJEF			R. & SM. AVD.	
INNKJ. AVD.			EL. TEKN. AVD.	
REGNSK. AVD.			INSTR. AVD.	
SKIPN. AVD.			MEK. AVD.	
SJEFMET.			PROSJ. AVD.	
3	SAKSBEARB.			SVARDATO

216 / 72 / 17

FOR FALCONBRIDGE NIKKELVERK A/S

A/S SULFIDMALM

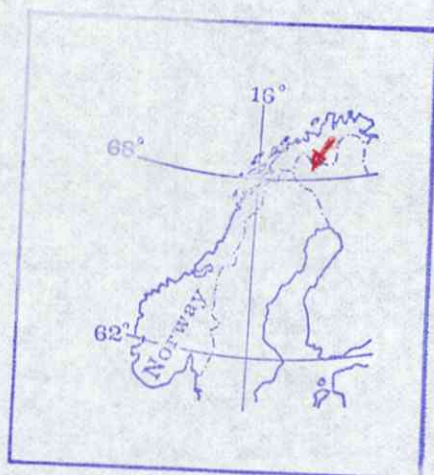
PROJECT 905-17

SIEBE MAP SHEET 1832 I.

RECONNAISSANCE INTERPRETATIONS OF NGU'S MAPS.

by

Erkki Kreivi



Report no. 216-72-17

Introduction.

The following map sheets at a scale of 1:50000 are attached to this report:

Geological map	(NGU) 1-216-72-17
Aerogeophysical map	(NGU) 2-216-72-17
Streamadiment-anomaly map for copper	(NGU) 3-216-72-17

The whole map sheet consists of a part of the Gaskas greenstone belt. The main rock types are amphibolites, agglomerates, hornblendites, albite-carbonate-rocks, angillites, mica-schists and quartzites. The area is very poorly exposed and covered by glacial moraine.

The aerogeophysical map indicates a lot of Mag- and EM-anomaly-groups. According to the streamadiment anomaly map for copper the most critical districts for Cu-deposits are near Agjet- and Avta-javres.

During the prospecting in 1972 there were found the following blocks:

- 18/TH/72 gabbro, traces of cp
Ni 0.09, Cu 0.15, Zn 0.002, Co 0.01, S 2.3
- 19/TH/72 graphite schist with considerable cp (unfortunately brought from Bidjovagge - mine)
- 20/TH/72 pegmatic feldspat-amphibole-carbonate-rock + 20-30% magnetite
- 4/EK/72 gabbro, traces of cp
- 5/EK/72 diabase + 10% magnetite, which probably indicates the high Mag-anomaly in the area.

NGU's reconnaissance till sampling in 1970 detected Sn anomalies near the observation 5/EK to the south of Gualehis Suolajavre and at Plevjavagjokka 3 km SE of Gaskal, and Cu-anomalies in Gaskal.

Interesting areas.

1) Agjetjavre

- Mag/EM-anomalies
- Cu-anomalies in streams
- agglomerate, greenstone, albite-carbonate rocks
- drilled by NGU, found up to 0.39% Cu in one meter section
- the area claimed by NGU

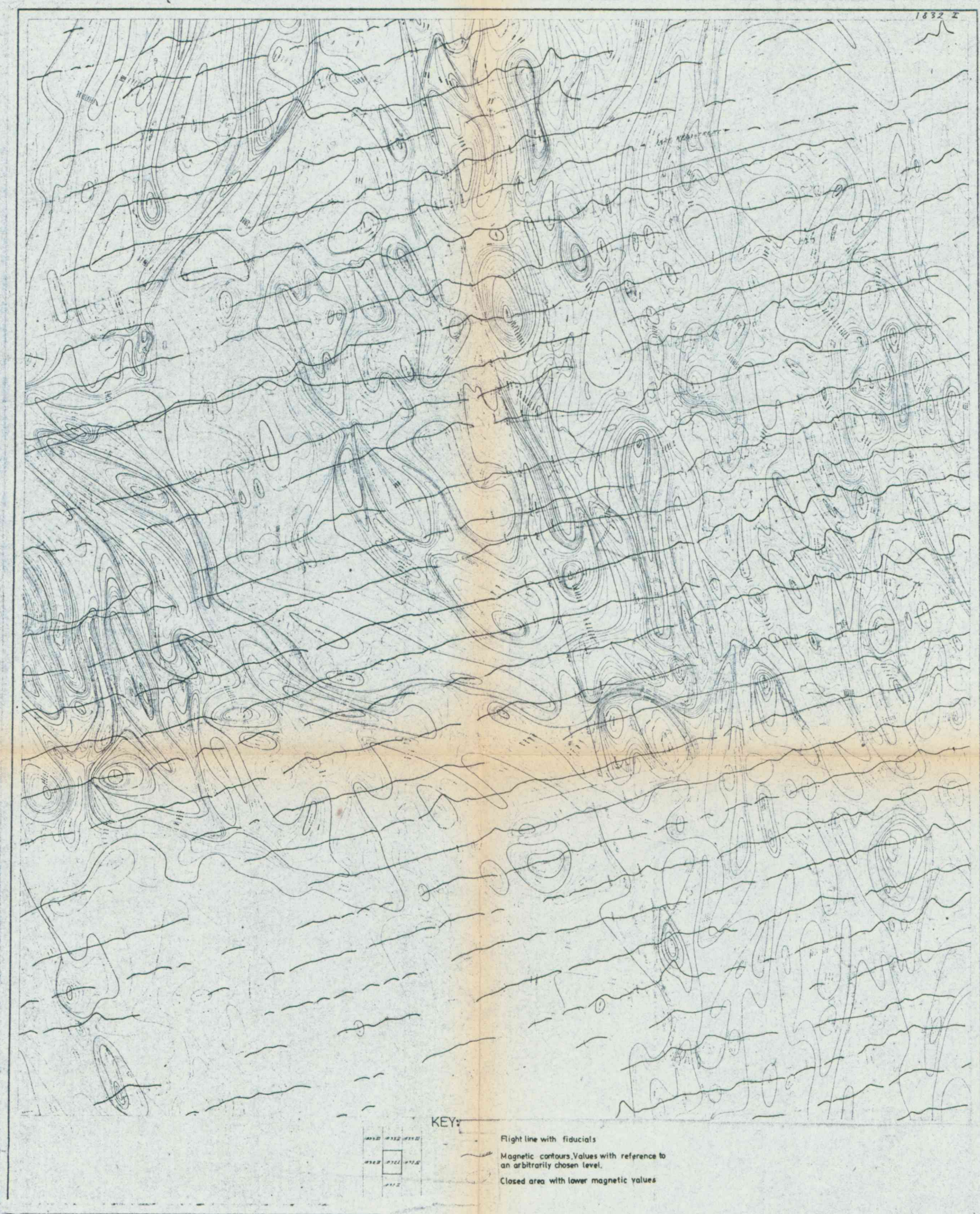
2) Jevddisjavre

- strong EM-anomalies
- quartzite, albite-carbonate-rocks
- no stream sediment anomaly
- followed by slingram and till-sampling by NGU, found up to 290 ppm Cu in till

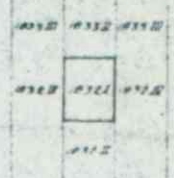
- 3) North of Suopatjavrre - Mag/EM-anomaly
 - Cu-anomaly to the south of it
 - mica schists
 - near the road
 - needs till sampling
- 4) Vuovddejavrre
 - Mag/EM-anomaly-groups
 - no streamsediment sampling has been done
 - amphibolites
 - found minor chalcopyrite
 - needs till-sampling
- 5) Riednjajavrre
 - EM-anomaly on Mag-anomaly
 - amphibolites
 - no Cu-anomaly in sediments
 - needs till sampling
- 6) Avzzejavrre
 - Mag/EM-anomalies
 - Cu anomalies in streams
 - amphibolites
 - needs till sampling

Conclusion.

2), 3) and 5) are accessible from the Kautokeino-Enontekiö highway. The streams in the Sw-corner have not been sampled. This work should be in the programs in future, too.

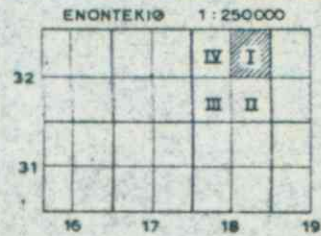


KEY:



- Flight line with fiducials
- Magnetic contours. Values with reference to an arbitrarily chosen level.
- Closed area with lower magnetic values

SIEBE Aero mag. and EM map.	SCALE	ORIG. NGU 1959
	1:50000	DRAW. _____
SULFIDMALM	TRAC. _____	CHK. _____
	MAP NO.	2-216-72-17
MAP SHEET		1832 I



KEY:

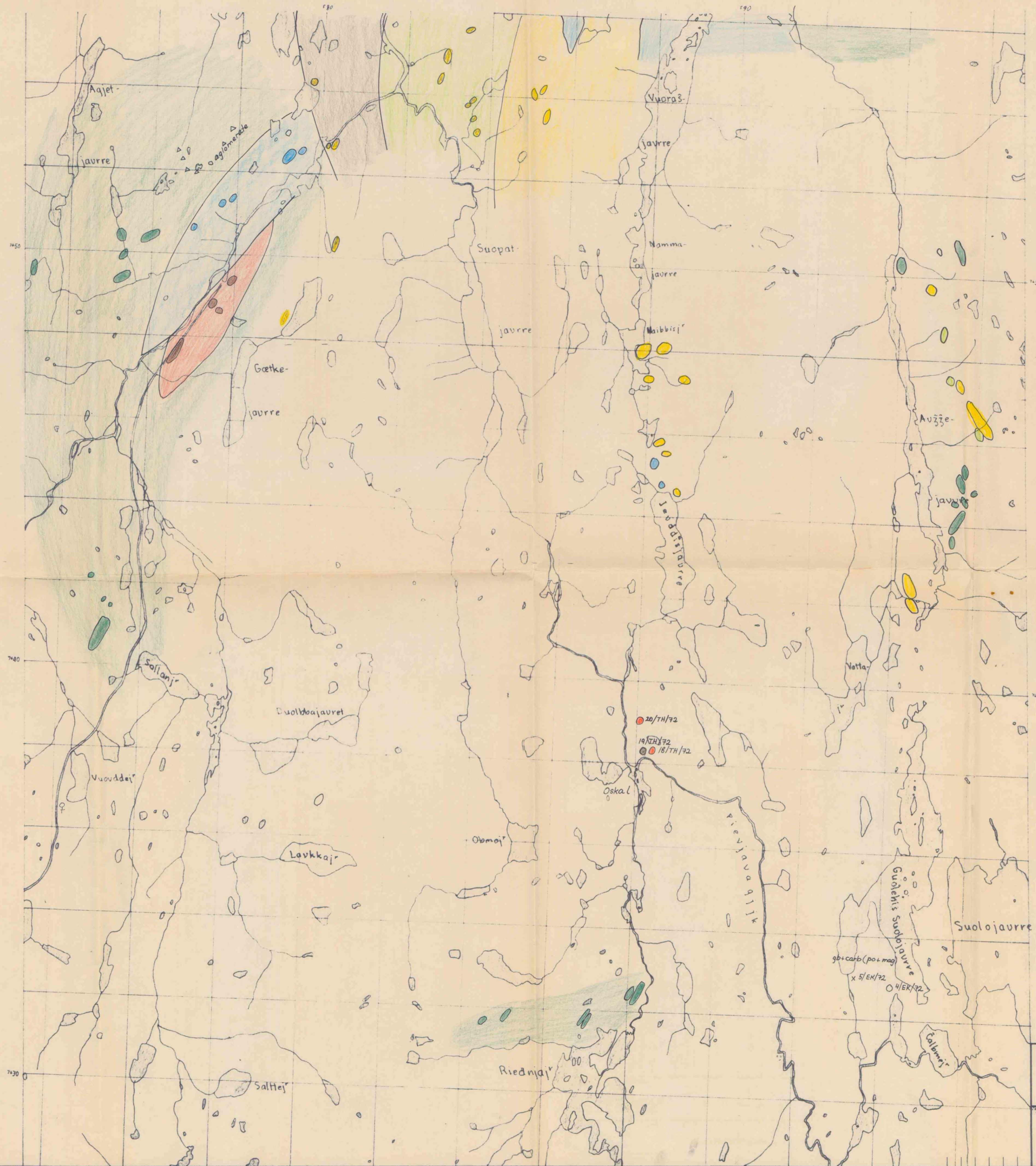
- Stream with sample points and Cu-concentrations in ppm (wt/vol)
- Sampled stream source
- Boundary of sampled area

- 0 - 2 ppm
- 3 - 4 ppm
- 5 - 9 ppm
- 10 - 19 ppm
- 20 - 100 ppm

0 1 2 3 km



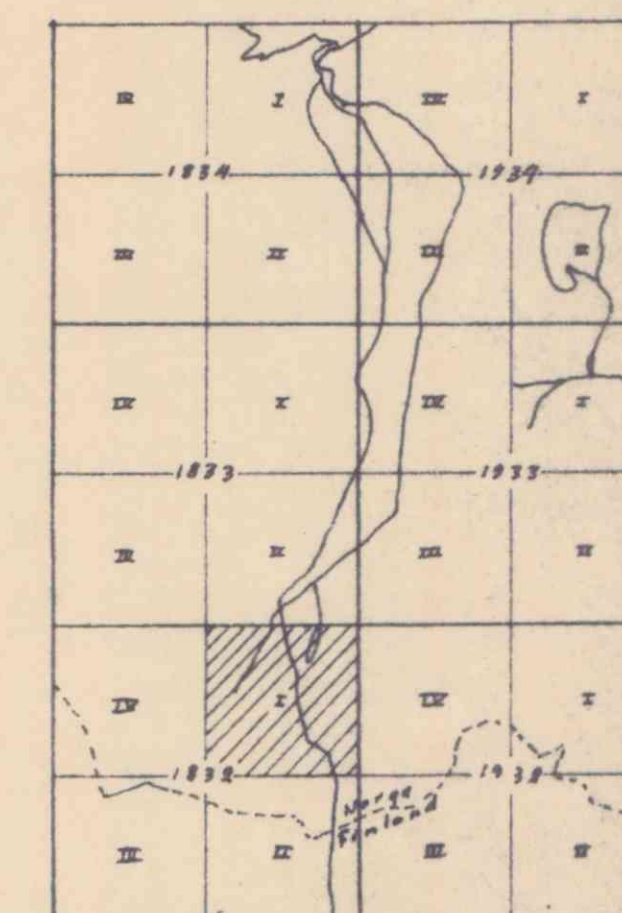
SIEBE Cu-anomalies in stream sediments	SCALE	Obs. NGU 1962
	DBAW.	
	TRAC.	
	CHK.	
% SULFIDMALM	MAP NO.	3-216-72-17
	MAP SHEET	1832 I



KEY:

- Granite, pegmatite, granitic gneiss
- Quartzite, feldspathic grit
- Conglomerate
- Quartz-mica schist
- Albite-carbonate rock
- Graphite schist
- Dark schists, greenschists
- Amphibolite, greenstone
- Hornblende, albite diabase
- Argillite
- Ore-minerals in block/bedrock

- Chromite
- Chalcopyrite
- Chalcosite
- Pyrite
- Pyrrhotite
- Pentlandite
- Sphalerite
- Galena
- Molybdenite
- Magnetite
- Hematite
- Arseno-pyrite



SIEBE

Geology according to NGU
1972 Prospecting

1/2 SULFIDMALM

SCALE	OBS. NGU
1:50 000	DRAW. EK
TRAC. BL	7-73
CHK.	
MAP NO.	1832 I
	SIEBE
MAP SHEET	1-216-72-17

