

FOR FALCONBRIDGE NIKKELVERK A/S

A/S SULFIDMALM

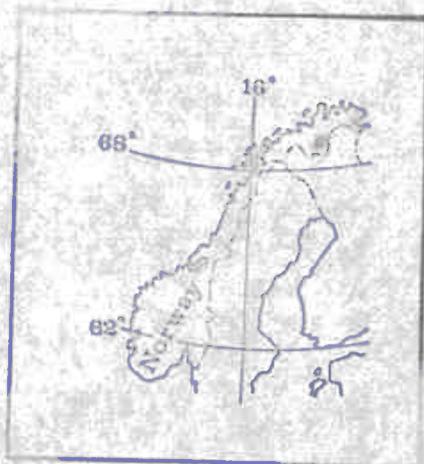
PROJECT 905-17

REPORT ON LAPPOLUOBBAL MAP SHEET 1933 III.

RECONNAISSANCE INTERPRETATIONS OF NGU'S MAPS.

by

Erkki Kreivi



Report No. 213/72/17

Introduction.

The northern parts of the area shown on the map sheet are accessible from roads.

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

Geophysical map	(NGU) 1 - 219 - 72 - 17
Aerogeophysical map	(NGU) 2 - 219 - 72 - 17
" "	(NGU) 3 - 219 - 72 - 17
Geochemical "	(NGU) 4 - 219 - 72 - 17

(NW- corner only).

Stream sediment samples have been collected only from the NW-corner of the area and assayed for Ni, Cu, Zn and total heavy metals. No anomaly.

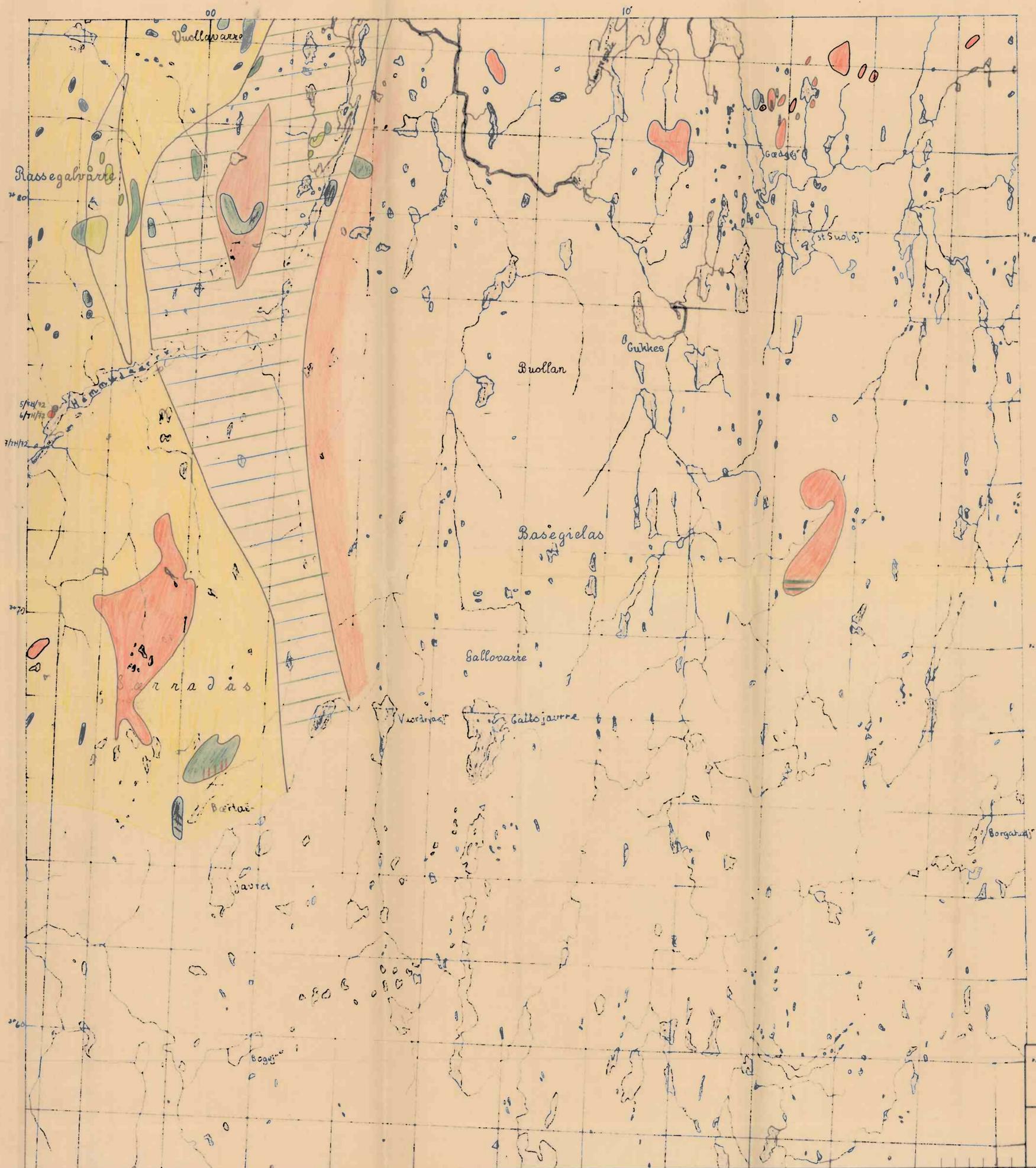
The western part has been mapped as quartzite with few amphibolite- and graniteintrusives and one mica-schist long in the north. To the west of it there is a greenschist belt with a couple of hornblendite intrusives. The major part consists a part of the large granitic gneiss basement.

The interesting areas.

- | | |
|------------------------------------|--|
| 1) Vuollavarre | NW-corner |
| 2) Davemus and Gaskamus Alttovarre | s-side |
| 1) Vuollavarre | - magnetic anomalies |
| | - quartzite with amphibolite-lenses |
| | - no geochemical anomaly |
| | - needs prospecting and boulder tracing |
| | - |
| 2) Davemus and Gaskamus Alttovarre | - mag-anomaly-group |
| | - weak EM-anomalies on mag anomalies |
| | - geology unknown |
| | - needs prospecting and boulder tracing. |

Conclusion.

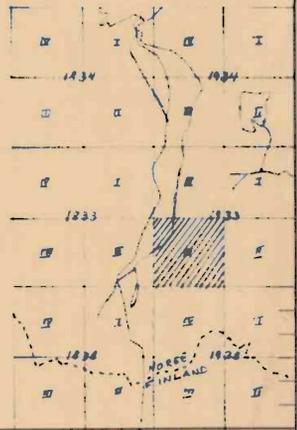
The areas of this map sheet belong to low priority targets. To complete the geochemical picture of the Caskias green-stone-belt one has to cover this map-sheet, especially its western part by reconnaissance stream sediment sampling.



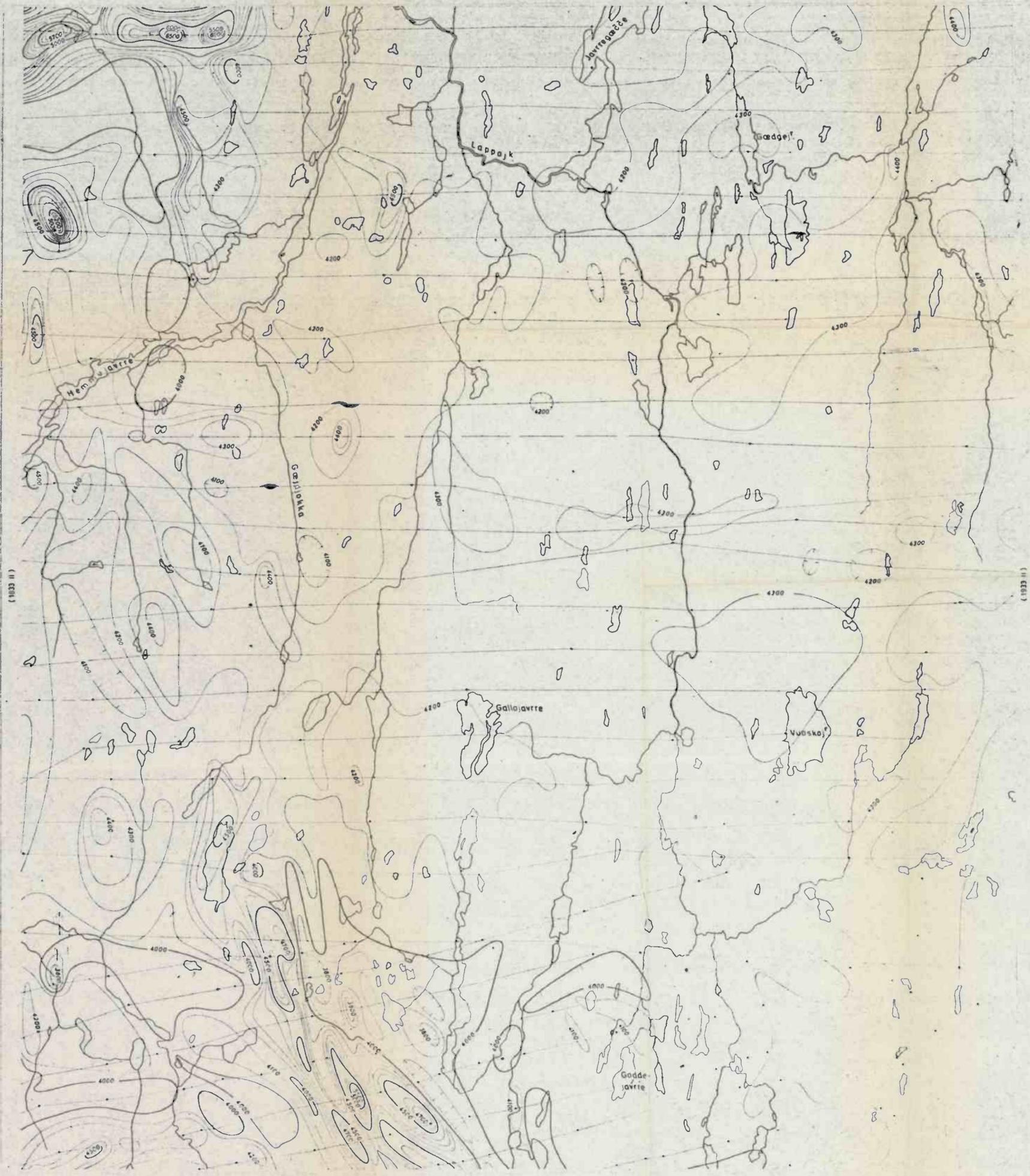
KEY:

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

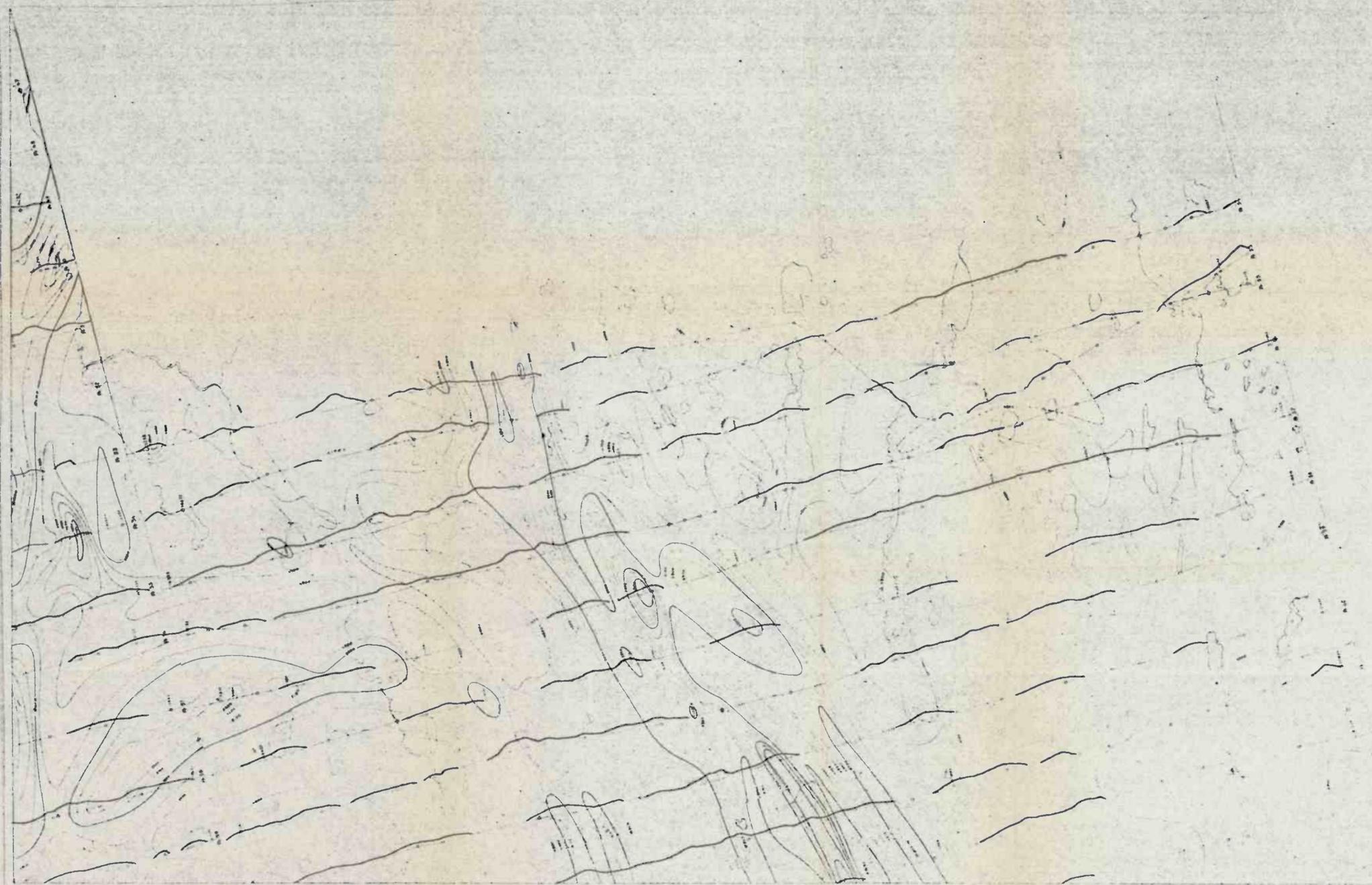
- Chromite
- Chalcopyrite
- Chalcosite
- Pyrite
- Pyrrhotite
- Pentlandite
- Sphalerite
- Galena
- Molybdenite
- Magnetite
- Hematite
- Arseno-pyrite



60 LAPPOLUOBBAL Geology according to NGU	SCALE	OBS. NGU
	1:50000	DRAW. 7-73
SULFIDMALM	CHK. JBG	7-73
	1-219-72-17	
MAP NO.		1933 III
		4711
		LAPPOLUOBBAL
		MAP SHEET



LAPPOLUOBBAL Aeromagnetic map with EM-anomalies	SCALE	ORIG. NGU
	1:50000	DRAW.
		TRAC.
1/2 SULFIDMALM	MAP NO.	2-219-72-17
	MAP SHEET	1932 IV



KEY:



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

LAPPOLUOBBAL Aero mag. and EM map.	SCALE	OBS.	NGU	1959
	1:50000	DRAW.		
TRAC.				
CHK.				
SULFIDMALM	MAP NO.	3-219-72-17		
	MAP SHEET	1933 III		

A/S SULFIDMALM
INTER-OFFICE MEMORANDUM

Date: 16.7.73

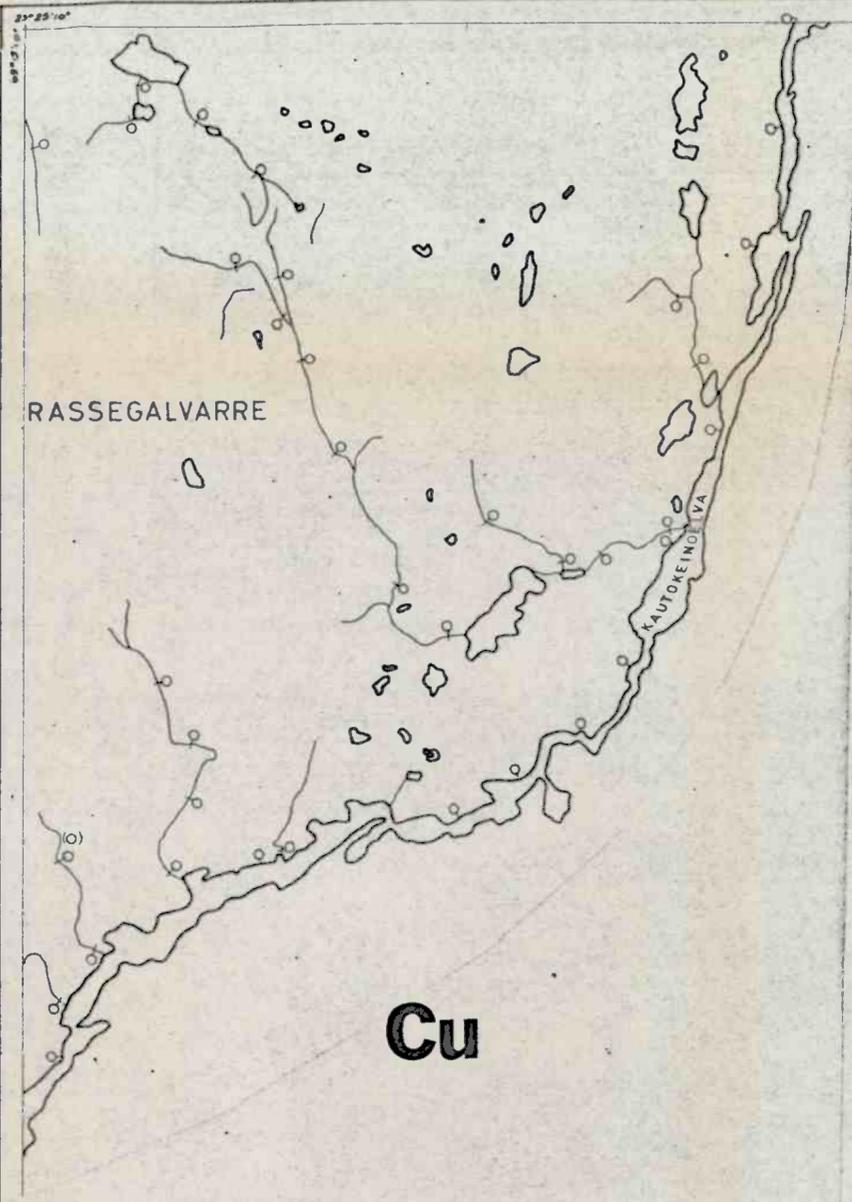
To: Falconbridge Nikkelverk A/S

cc: A. M. Clarke
H. T. Berry ✓
E. Kreivi

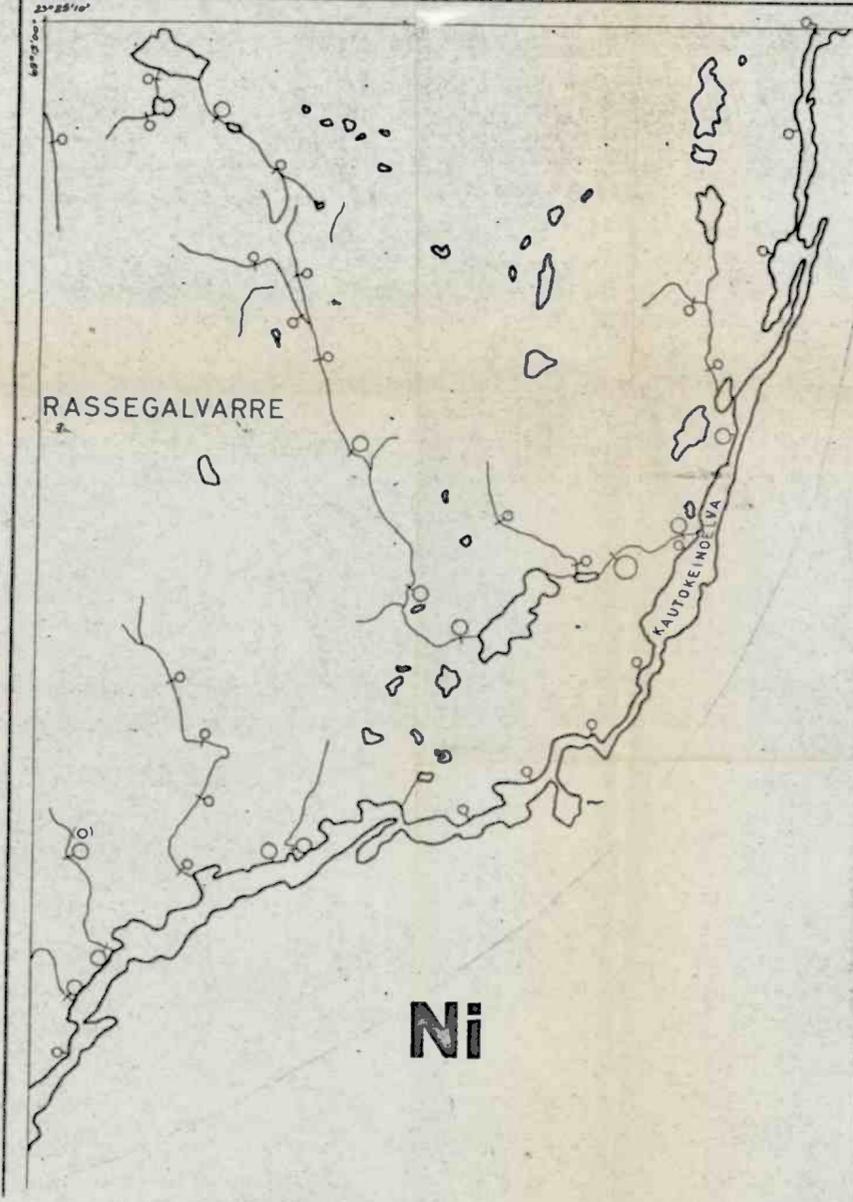
From: R. B. Band
J. B. Gammon

Subject: 995-17. Lappoluobbal map sheet. Report nr 216/72/17

Please find attached Kreivi's summary of information available on this map sheet. No outstanding targets are immediately apparent.



Cu



Ni



Cu, Ni, Zn, TM



LAPPOLUOBBAL Acid extractable Cu, Ni, Zn, total in stream sediments	SCALE	OBS.	NGU	1963
	1:50000	DRAW.		
½ SULFIDMALM	TRAC.			
	CHK.			
	MAP NO.	4-219-72-17		
	MAP SHEET	1933 III		