



Bergvesenet

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Rapportarkivet

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Tittel The Fikke - Foss Area, Geological and geophysical investigations 1982				
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Råstofftype	Emneord			
Sammendrag				

ORKLA INDUSTRIER A/S

MINING SECTION

EXPLORATION

GULF ORKLA

LØKKEN VENTURE

Report no: L.V. 15 Date: 18.1.1983

Title: THE FIKKE - FOSS AREA,
GEOLOGICAL AND GEOPHYSICAL
INVESTIGATIONS 1982.

ORKLA INDUSTRIER A. S.

MINING SECTION, EXPLORATION

Report no: L.V. 15	Date: 18.1. 1983
Title: The Fikke - Foss area, Geological and geophysical investigations 1982.	
Prepared by: ÅB	Areas name: Fikke - Foss
Map no., name: 1521 II Hølanda 1520 I Rennebu	Coordinates (UTM): NW corner: 413868
Field work period(s): 4.8. - 6.8.1982	Pages: 1 Map enclosures: 5
Summary (purpose, execution, results): Electromagnetic and magnetic helicopter anomalies were investigated by VLF- and magnetometer measurements and geological reconnaissance. Most probably graphite in slate cause the electromagnetic anomalies. Magnetite - rich jasper may be the reason for the magnetic anomalies. No further investigations are recommended.	
Key words: Helicopter geophysics, VLF magnetometer, geology	
Project initiated (date):	Report finished (date): 18.1.1983

The Fikke - Foss area.

Geological and geophysical investigations 1982.

The Fikke - Foss area is located east of Orkla river and south of Høgknippen mountain (Map 1).

Electromagnetic and magnetic helicopter anomalies were to be investigated the summer 1982.

In this area you find rhyolite and rhyolite tuff, sandstone and greywacke of the Krokstad group (Middle Ordovician) alternating with dark banded slate, limestone and polymictic conglomerate (Upper Ordovician) (NGU Høllonda 1:50 000 and NGU preliminary Rennebu 1:50 000) (Map 2).

VLF and magnetometer measurements also show several anomalies (Map 3, map 4 and map 5).

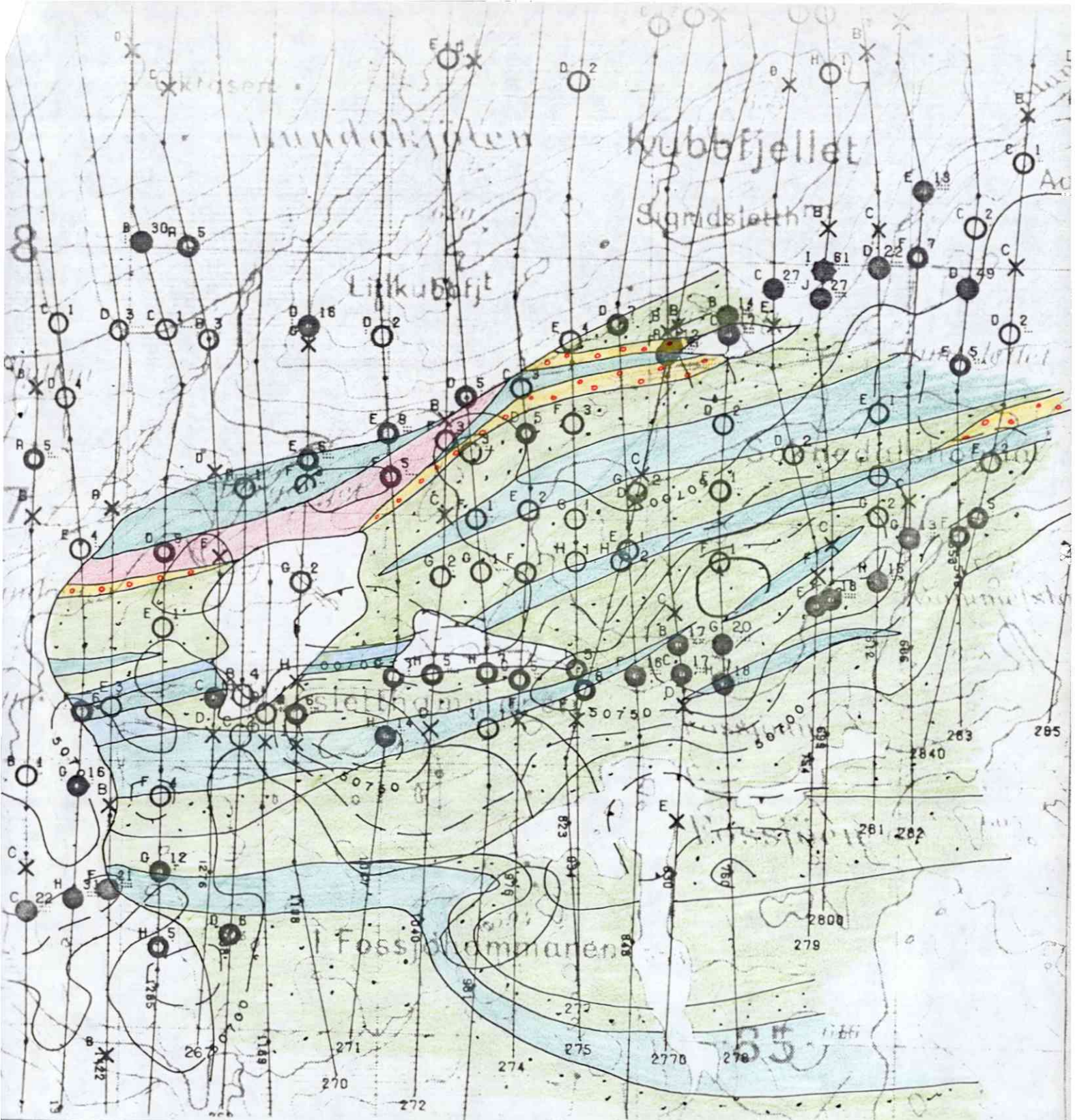
Most probably the graphite bearing slate give the electromagnetic anomalies.

The magnetic anomaly near Hørsletthammaren may be caused by some jasper boulders, which are extremely rich in magnetite.

Because of vegetation, no other magnetic anomalies are declared.

The area will not be further investigated for the time being.

Løkken Verk, January 18th 1983



MAP 2 Geology and geophysics

LEGEND

(from NGU, Holonda map, scale 1:50.000
and NGU, preliminary Rennebu map, scale 1:50.000)

LOWER SANDÅ GROUP

- Dark banded slate (graphite)
- Limestone
- Polymictic conglomerate

KROKSTAD GROUP

- Rhyolite and rhyolite tuff
- Grey-green sandstone and greywacke
- Green lithic greywacke

DIGHEM SURVEY

●●● electro - magnetic

magnetics

