



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

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Kommer fra ..arkiv Sulitjelma Bergverk A/S	Ekstern rapport nr "522300008"	Oversendt fra	Fortrolig pga	Fortrolig fra dato:

Tittel

Report on mapping in Bossekop quarzite, Badderen, N.Troms.

Forfatter OXON B. LAUX S.	Dato 1972	Bedrift Sulitjelma Gruber A/S
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Kommune	Fylke	Bergdistrikt	1: 50 000 kartblad	1: 250 000 kartblad
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Fagområde	Dokument type	Forekomster
Råstofftype	Emneord	

Sammen drag

Kartlegging i området Badderen med tanke på forekomster av kvartsitt. Tre typer av bergart i området : Kvartsitt, epidotisert kvartsitt og skifrig sandstein. Området ved Svineryggen bør undersøkes nærmere. Kjemiske analyser (95 - 98 % SiO₂). Kvarts.

REPORT OF MAPPING IN BOSSEKOP
QUARTZITE, BADDEREN, N. TROMS

12th - 16th August 1972

S. J. Laux, B. A. (Oxon)

522.300.008

8th September 1972

REPORT OF MAPPING IN BOSSEKOP QUARTZITE,
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General introduction

The purpose of mapping this area was to locate quartzite beds of high quality that could be used as a flux in industrial smelting.

Mapping was carried out on a large blown up aerial photograph, scale 1: 2 000 (approx). Specimens were taken every 3 or 4 metres in the quartzite beds, along the lines of three profiles made in the area.

Description of rock-types

Three main rock-types were recognised in the field. These were a quartzite, epidotised quartzite and shale.

The quartzite beds are of high quality especially up on Svine-ryggen in the S.E. corner of the map.

Grain size is medium to coarse with small but varying amounts of feldspar and iron.

The epidotised quartzite contains epidote along bedding planes and cleavages, in thin (< 1 cm) layers. Also present are chlorite and other impurities.

The are light brownish weathering.

The shale is a greyish-brown coarse cleaved siltstone.

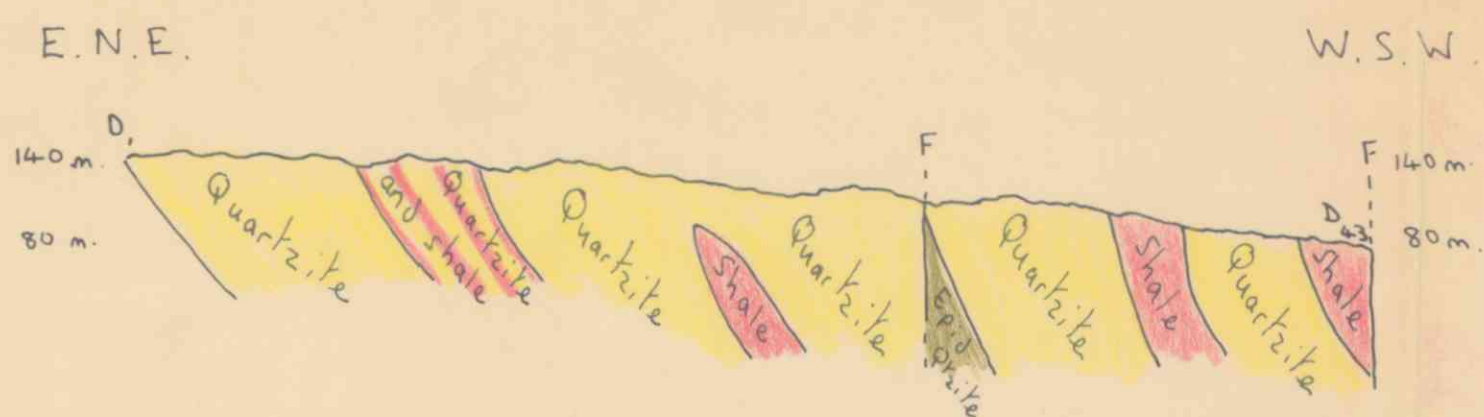
Note on structure

Folding has been in a N.E. - S.W. direction that is responsible for giving the rocks a general N.W. - S.E. trend. The folds are on a small scale with amplitude of about 2 metres. In addition there is a second phase of folding that has affected the rocks and is responsible for the beds thin, dieing out and reappearing again when followed along strike.

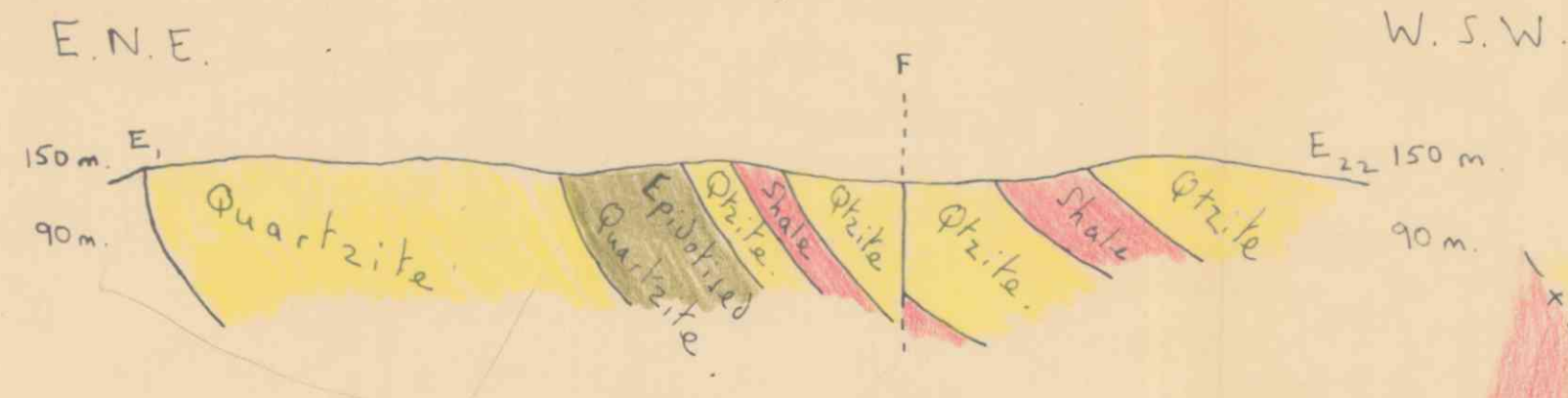
Summary

Svineryggen is best area to exploit.

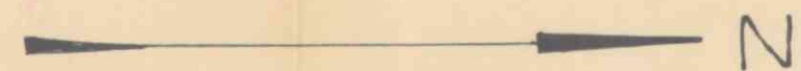
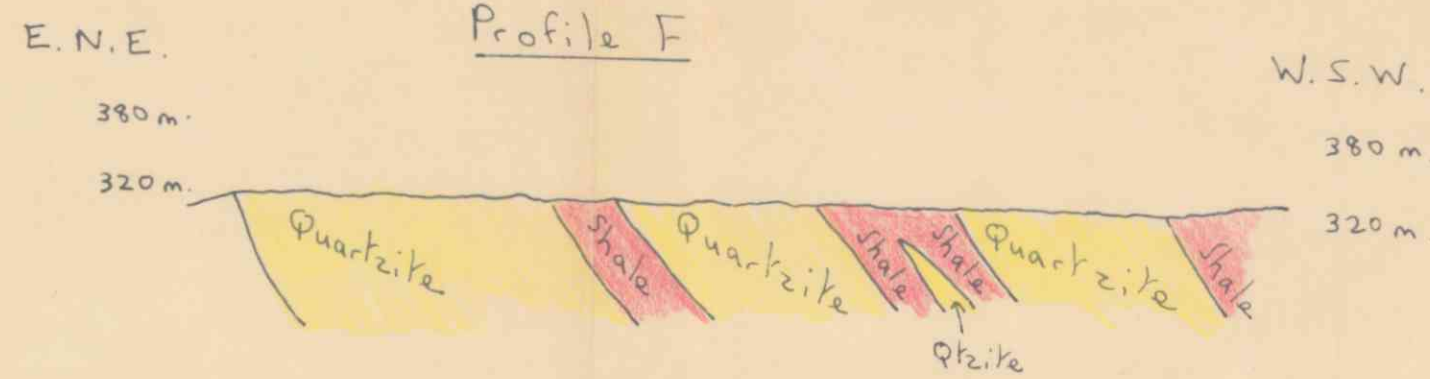
Profile D



Profile E



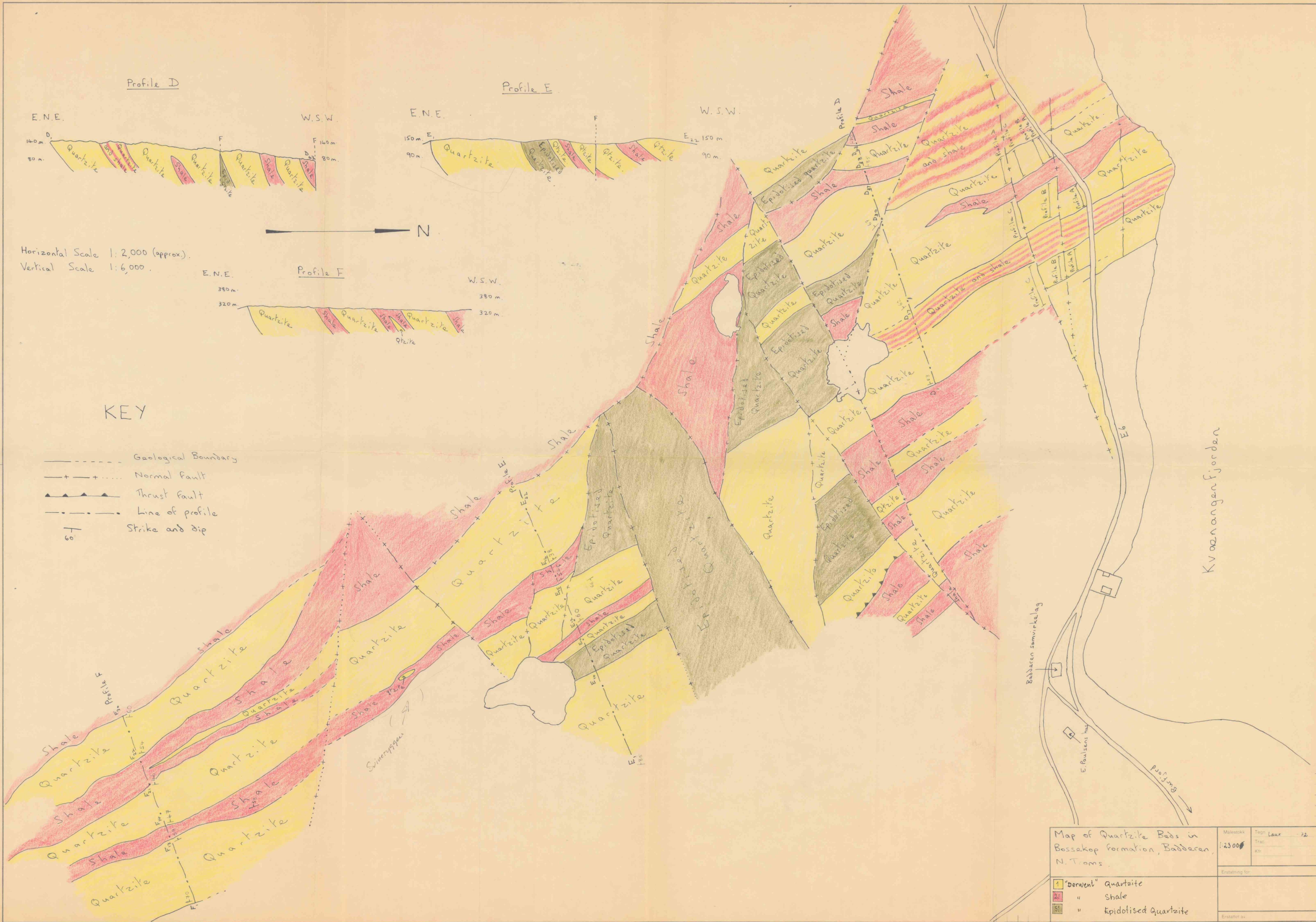
Profile F



Horizontal Scale 1:2,000 (approx).
Vertical Scale 1:6,000.

KEY

- Geological Boundary
- + - Normal Fault
- ▲▲▲ Thrust Fault
- . - Line of profile
- 60° Strike and dip



Map of Quartzite Beds in
Boddalen formation, Boddalen,
N. Troms.

- 1 "berent" Quartzite
- 2 " Shale
- 3 " Epidotised Quartzite

Malestokk	Tegn. Laur	72
Trac.		
Kfr.		
Erstatning for		
Erstatning av		



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F-14-21
E 18-22

~~217-37~~
D1-15

Sendes uten følgebrev

☒ Etter avtale med

TOR SØYLAND HANSEN

☐ Til underretning

☒ « uttalelse

☐ « besvarelse

☐ « behandling

☐ Takk for lånet

☐ Ønskes i retur

☒ Merer du vi skal analysere
mellombliende prøver?

Vennlig hilsen

A/S SULITJELMA GRUBER

Oppdrag fra: **A/S Sulitjelma Gruber**

Prøvens art: **Kvartsitt**

Merke: **Badderren, Serie D**

Uttatt av:

Ank. fra:

Ank. den: pr.

Elektrokemisk AS

SALTEN VERK

Fauske

Rapp. nr.

Arkiv nr.

L.nr.

ANALYSERAPPORT

	<u>% SiO₂</u>	<u>% Al₂O₃</u>
D 1	96,87	1,55
D 3	95,62	2,12
D 5	<u>98,80</u>	0,60
D 7	95,62	2,40
D 9	96,77	1,44
D 11	93,59	3,25
D 13	81,27	-
D 15	92,61	3,25
D 17	97,27	1,21
D 19	97,14	1,00
D 21	96,50	1,61
D 23	97,73	1,05
D 25	<u>98,30</u>	0,70
D 27	<u>98,69</u>	0,52
D 29	97,08	1,27
D 31	97,81	1,02
D 33	97,25	1,24
D 35	95,38	2,23
D 37	97,77	1,04
D 39	96,61	1,61
D 41	97,30	1,18
D 43	<u>98,68</u>	0,40

Laboratoriet den 1. februar 1973

Utført av

T. Karner
Avdelingssjef

Oppdrag fra: A/S Sulitjelma Gruber

Prøvens art: Kvartsitt

Merke: Badderen, Serie E

Uttatt av:

Ank. fra:

Ank. den: pr.

Elektrokemisk AS

SALTEN VERK

Fauske

Rapp. nr.

Arkiv nr.

L.nr.

ANALYSERAPPORT

	<u>% SiO₂</u>	<u>% Al₂O₃</u>
E 3	93,02	3,60
E 5	<u>98,29</u>	0,68
E 7	97,18	1,27
E 9	97,41	1,24
E 11	96,19	1,86
E 12 (2)	<u>98,57</u>	0,63
E 15	97,41	1,25
E 17	<u>98,10</u>	0,88
E 19	97,51	1,20
E 21	97,93	1,04

Laboratoriet den 1. februar 1973

Utført av

T. Kvern
Avdelingssjef

Oppdrag fra: A/S Sulitjelma Gruber

Prøvens art: Kvartsitt

Merke: Nøklan

Uttatt av:

Ank. fra:

Ank. den: pr.

Elektrokemisk AS

SALTEN VERK
Fauske

Rapp. nr.

Arkiv nr.

L.nr.

ANALYSERAPPORT

	$\% \text{SiO}_2$	$\% \text{Al}_2\text{O}_3$
1.	97,38	1,38
2.	96,67	1,58
3.	94,06	3,25
4.	97,60	1,08

Laboratoriet den 1. februar 1973

Utført av

T. Karner
Avdelingssjef