



# Bergvesenet

Postboks 3021, 7002 Trondheim

## Rapportarkivet

|                                                                                                                                          |                                     |                                 |                                      |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------|--------------------------------------|------------------------------------|
| Bergvesenet rapport nr<br><b>BV 457</b>                                                                                                  | Intern Journal nr                   | Internt arkiv nr                | Rapport lokalisering<br>Trondheim    | Gradering<br><b>Åpen</b>           |
| Kommer fra ..arkiv<br>Falconbridge                                                                                                       | Ekstern rapport nr<br>Sul 191-72-15 | Oversendt fra<br>Sulfidmalm A/S | Fortrolig pga                        | Fortrolig fra dato:                |
| Tittel<br><b>Andreasberg Mine, Espedalen, Oppland 1972</b>                                                                               |                                     |                                 |                                      |                                    |
| Forfatter<br>B Wilson                                                                                                                    |                                     | Dato<br>1972                    | Bedrift<br>Sulfidmalm A/S            |                                    |
| Kommune<br>Gausdal<br>Sør-Fron                                                                                                           | Fylke<br>Oppland                    | Bergdistrikt<br>Trondheimske    | 1: 50 000 kartblad<br>17171<br>17174 | 1: 250 000 kartblad<br>Lillehammer |
| Fagområde<br>Geologi                                                                                                                     | Dokument type<br>Rapport            |                                 | Forekomster<br>Andreasberg gruve     |                                    |
| Råstofftype<br>Malm/metall                                                                                                               | Emneord<br>Cu Ni                    |                                 |                                      |                                    |
| Sammendrag<br>Geologisk undersøkelse rundt stollåpninger i Andreasberg gruve. Meget knapp rapport.<br><br>Denne har vi to eksemplarer av |                                     |                                 |                                      |                                    |

FOR FALCONBRIDGE NIKKELVERK A/S

A/S SULFIDMALM

PROJECT 905-15

ANDREASBERG MINE, ESPEDALEN,

OPPLAND, 1972

by

B. Wilson

191-72-15

**A/S SULFIDMALM**  
**INTER-OFFICE MEMORANDUM**

Date: 26th October, 1972

To: Falconbridge Nikkelverk A/S ✓

cc: A. M. Clarke, D. R. Lochhead,  
Norsk Hydro ved/dir. Kjelland,  
R. Hovland

From: J. B. Gammon

Subject:

905-15 NORSK HYDRO JOINT VENTURE - ESPEDALEN AREA.

Please find attached three brief reports by Wilson recording observations in the immediate vicinity of old nickel workings in the Espedalen area.

*J. B. Gammon*

|                |   |
|----------------|---|
| 03. 11. 72.    |   |
| DIR.           | ✓ |
| NISK DIR.      |   |
| PERSONAL DIR.  |   |
| ADM. SJEF.     |   |
| INNKL. AVD.    |   |
| REGNSK. AVD.   |   |
| SKIPN. AVD.    |   |
| PERMET.        |   |
| EL. LYSEAVD.   |   |
| M.L. AVD.      |   |
| R. & SM. AVD.  |   |
| EL. TEKN. AVD. |   |
| INSTR. AVD.    |   |
| MEK. AVD.      |   |
| HOSJ. AVD.     |   |
| <i>Mixson</i>  |   |

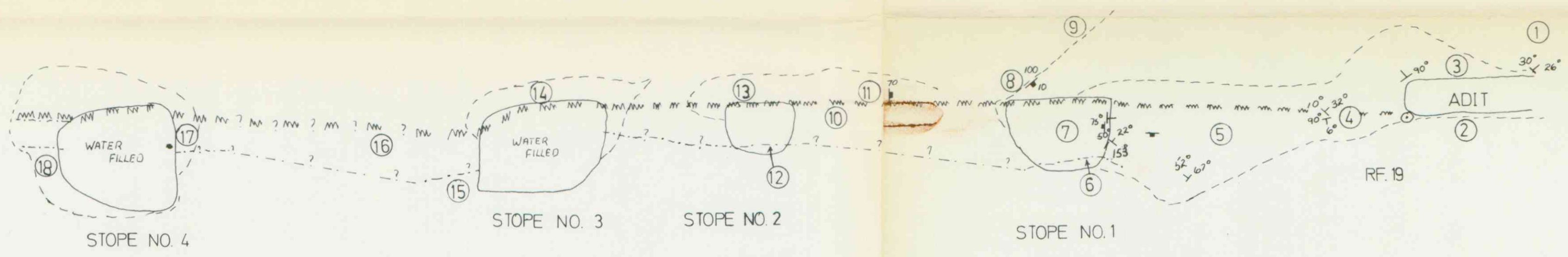
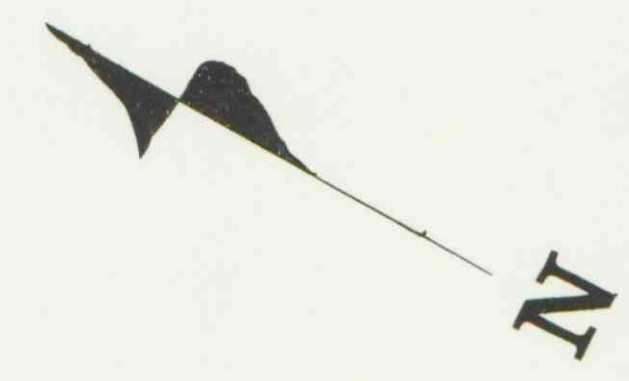
## ANDREASBERG MINE, ESPEDALEN, OPPLAND

The Andreasberg consists of 4 stopes and one adit. Two of the stopes are connected by a drive from the adit. The remaining two stopes are water filled. Judging by the size of the stopes and the mine tips, about 2000 - 3000 tons of material have been raised up.

The following observations correspond to the numbered points on the sketch map of Andreasberg.

- 1) Fine grained ultrabasite with disseminated sulphides (< 5%).
- 2) Same as 1).
- 3) East-west shearing above adit entrance and along the wall on the right side. Boudinaging of darker materials (see sample W 72-82 in office). Sulphides are disseminated and bleb-like.
- 4) Medium grained ultrabasite. Few sulphides, but still present.
- 5) Ultrabasite grading across width of exposure to pyroxenite. Sulphides following joints and slips.
- 6) Norite in no. 1 stope, 2 main and possibly 3 major shear with multi-directional, slick and slipe joint plans. No sulphides in norite.
- 7) Ultramafite. Sulphides in bleb disseminations and stringers.
- 8) Mafic norite at shear grading to pyroxenite away from shear. Foliation parallel with shear. No sulphides. A sulphide band between shear and mafic norite in ultrabasite. Similar to a gradation zone.
- 9) Brown weathering pyroxenite, occasional sulphides in fine disseminations and stringers.
- 10) Ultramafite. 15% sulphides.
- 11) Pyroxene with mafic norite bands, few sulphides.

- 12) Fine grained norite in footwall. No sulphides.
- 13) Pyroxenite with bands of ultramafite (?) or mafic norite. With occasional stringers and disseminations of pyrrhotite.
- 14) Same as 13).
- 15) Norite becoming more gabbroic. Fine grained. Main shear is losing strength.
- 16) High magnetic effect on compass. Noritic material scattered about, but no outcrops.
- 17) Mafic norite, few sulphides. No ultrabasics seen. No strike and dip due to mag. effect.
- 18) Ultramafics with occasional sulphides narrowing to 1 and  $\frac{1}{2}$  m wide. Flanked by gabbro and norite.



MINE TIPS

LEDGEND

- OUT-CROP BOUNDARY
- - - - - CONTACT
- ~~~~~ SHEAR
- ② OBSERVATION NOTE

|                                            |           |          |  |
|--------------------------------------------|-----------|----------|--|
| ANDREASBERG MINE<br>ESPEDALEN<br>PLAN VIEW | SCALE     | OBS. BW  |  |
|                                            | 1:200     | DRAW. BW |  |
|                                            |           | TRAC. BW |  |
|                                            |           | CHK.     |  |
| SULFIDMALM                                 | MAP NO.   |          |  |
|                                            | MAP SHEET |          |  |