

Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr BV 484	Intern Journal nr	Internt arkiv nr	Rapport lokalisering Trondheim	Gradering Åpen
Kommer fra ..arkiv Falconbridge	Ekstern rapport nr Sul 294-73-23	Oversendt fra Sulfidmalm A/S	Fortrolig pga	Fortrolig fra dato:
Tittel 1973 Diamond drilling in the Skogfoss Arch, Pasvik, Finnmark.				
Forfatter J A W Bugge, B Lieungh, N Hollander, A Skordal, Ø Logn, F Hansen, J B Gammon		Dato 1973	Bedrift Sulfidmalm A/S	
Kommune Sør-Varanger	Fylke Finnmark	Bergdistrikt Finnmark	1: 50 000 kartblad 23331 24334	1: 250 000 kartblad Kirkenes
Fagområde Boring	Dokument type Rapport	Forekomster Oksfjell Fagermo		
Råstofftype Malm/metall	Emneord Ni Cu			
Sammendrag Denne rapporten inneholder borprofiler med ferrometermålinger og bakkegeofysikk integnet. Borloggene ligger ikke ved denne rapporten.				

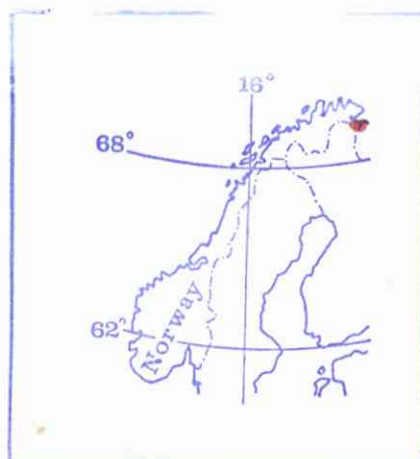
FOR FALCONBRIDGE NIKKELVERK A/S

A/S SULFIDMALM

PROJECT NO. 905-23N

1973 Diamond drilling in the Skogfoss
Arch, Pasvik, Finnmark

J.A.W. Bugge
B. Lieungh
N. Hollander
A. Skordal
Ø. Logn
F. Hansen
J.B. Gammon



Report Nr. 294/73/23

A/S SULFIDMALM
INTER-OFFICE MEMORANDUM

Date: 2. mai 1974

To: Falconbridge Nikkelverk A/S

cc: A. M. Clarke, H. T. Berry, R. B. Band,
F. Hansen

From: John B. Gammon

Subject:

905-23 Pasvik drilling 1973. Report Nr. 294/73/23

Please find attached a summary of the 1973 drilling results
in the Skogfoss area of Pasvik, Finnmark.

For John B. Gammon

~~Arne Stabbe~~

MOTIV		06. 05. 74	ESV.	ARK.
			FORENN/OTV.	
			EL. LYSEAVD.	
			MD. AVD.	
			B. GAV. AVD.	
			TEILAVD.	
			STR. AVD.	
			EL. AVD.	
			AVD.	
			SVARDATO	

INTRODUCTION

The attached figures show the main results of the 1973 drilling programme in the Skogfoss and area of Pasvik, Finnmark. The work was carried out on Sulfidmalm's behalf by the Sydvaranger company as part of our "Pasvik Joint Venture".

The figures are presented as received from Sydvaranger and have not been redrawn with English legends. To assist the non-Norwegian speaking reader the following will be of help:

Title block

Number of DDH concerned (eg. Bh 4). Coordinates on Terratest
map (eg. Line 46, 5.0 kms
from the south base line)

Name of responsible geologist (eg. Hollander, Skordal)

Name of responsible geophysicist (eg. Logn)

Name of compiler (eg. Lieungh)

Scale (eg. 1:1000)

Legend

Sterk elektrisk indikasjon	=	strong conductor
Svak " "	=	weak "
Sterkere magnetisk område	=	strong mag. anomaly
Svakere " "	=	weak " "
planstruktur	=	planar structure
borkjerne	=	drill core

Geophysical profile over drilled section

Scales

Self potential in millevolts
Vertical magnetic field in gammas
Total magnetic field in gammas
VLF-EM dip angle in degrees
VLF-EM field strength in percent.

Drawn profiles

Self potensial = self potential
Magnetisk = Magnetic
H komp = VLF-EM field strength

Anomaly explanations

Grafitt = Graphite

Svartskifer = Black schist

Kis = Sulphides

Drill hole legend

Rock type symbols, key given on first of attached figures.

"Analyse prøver" = Assayed samples, location indicated by short line terminating with a dot.

"Ferrometermalinger" = "Ferrometer" measurements in present
Rel % Fe-Magn" relative ferromagnetism. Results shown as a continuous curve down the hole.

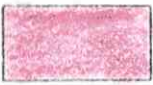
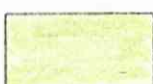
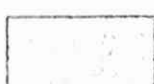
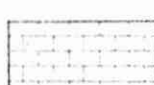
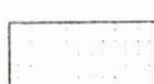
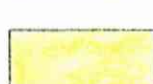
"Slip" = Microscope investigation.
T indicates location where a thin section has been made.
P indicates location where a polished section has been made.

"Bormeter" = Down hole depth in metres.
v° = Core angle of planar structures.

Colours and symbols used for geological legend.
Farge og symbolforklaring for geologi.

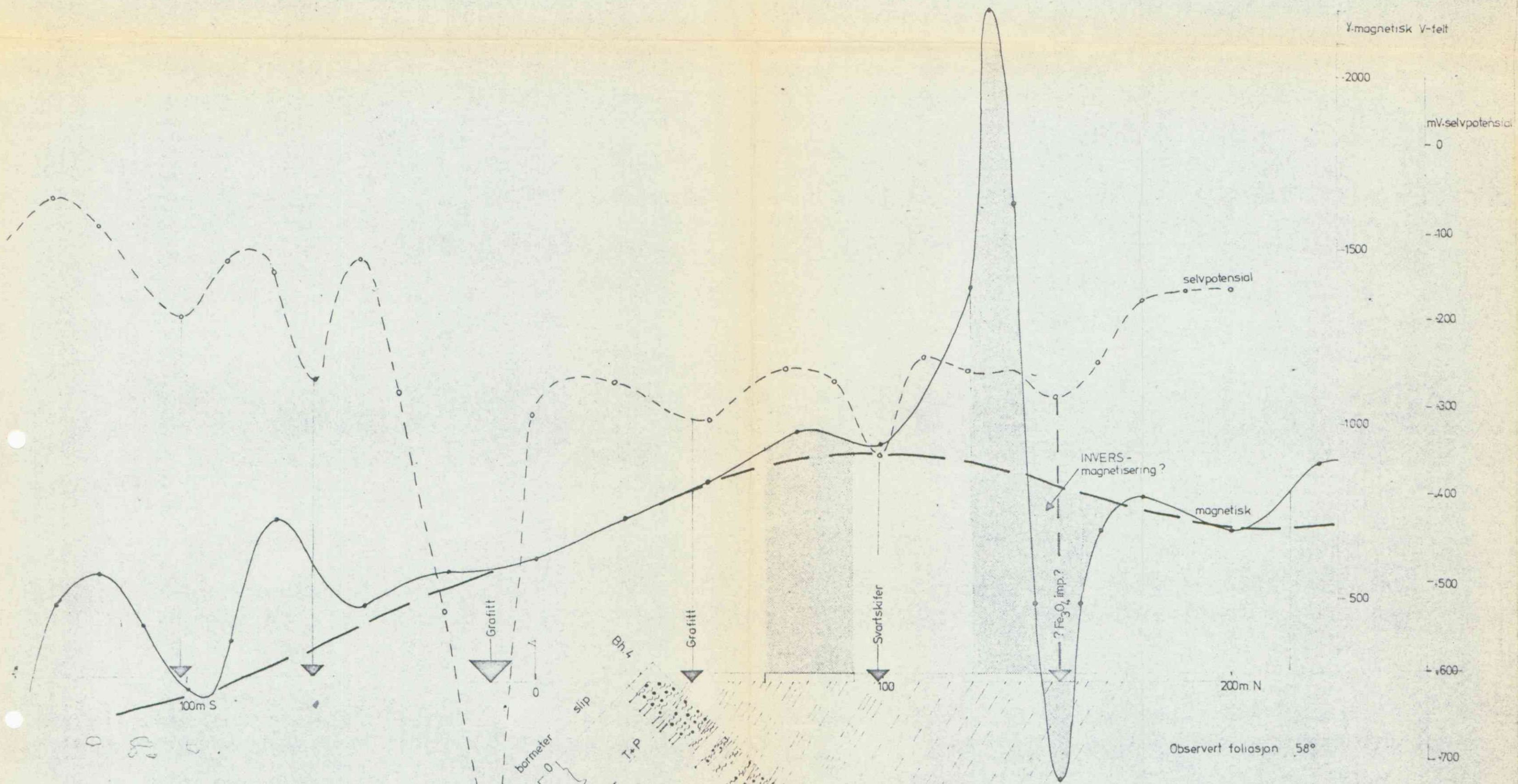
Skogfossbuen, Pasvik. v/Lieungh.

Skogfossbuen, Pasvik by Bj. Lieungh.

23			LT83	Serpentinito Serpentinit
22			LT66	Talc-carbonate schist Talk-kalkskifer
57			LT8 30	Serpentine conglomerate Serpentinkonglomerat
53			LT957	Coarse grained metagabbro, amphibolite Grovkornet metagabbro,-amfibolitt
45			LT 22	Medium fine grained amphibolites Middels-finkornet amfibolitt
48				Greenschist, chlorite schist Grønnskifer, klorittskifer
51			LT 52	Dark amphibolites, porphyries Mørke amfibolitter, Porfyritter
13			LT133	Keratophyre, acid volcanic breccia Keratofyr, sur lavabreksje
41			LT132	Fine grained (felsitic) dark greenstone Finkornet (felsittisk) mørk grønnstein
33			LT116	Limestone dolomite Kalksten, dolomitt kalkrike skifere Carbonate rich schist
1			LT148	Kvartsitt Quartzite
69				Phyllite, black schist, micaschist Fyllitt, svartskifere, glimmerskifere
50			LT 18	Biotite-hornblende gneisses w/garnet Biotitt-hornblendegneiser m/granater
8			LT121	Biotite schist, grey wacke Biotittskifer, gråvacke Kvarts-sericittskifere Quartz-sericite schist
				Sulphide impregnation Kismineralimpregnering
				Magnetite impregnation Magnetittimpregnering
				Tectonic breccia Tektonisk breksje

Derwent nr

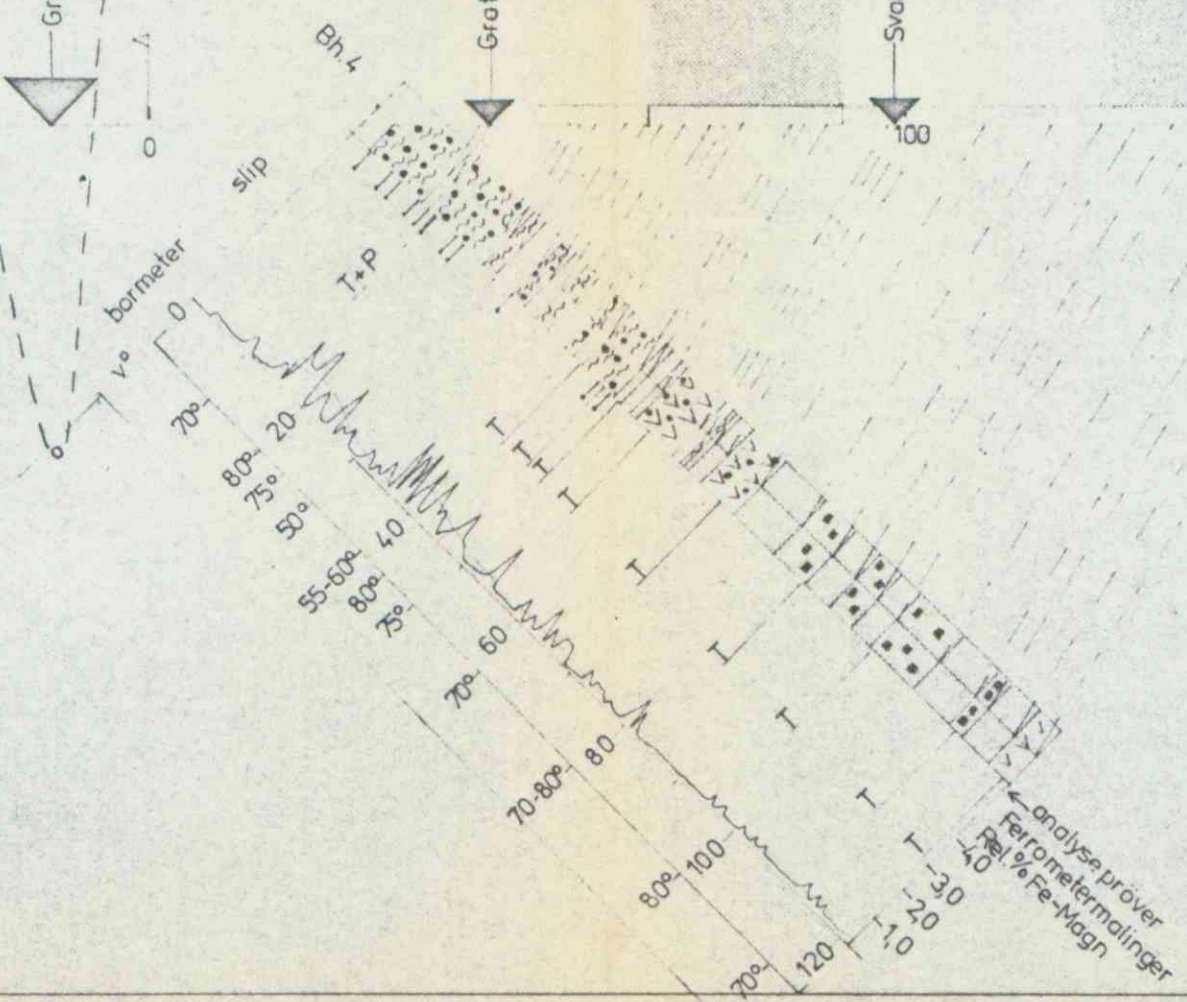
Letraset nr



Sterk elektrisk indikasjon
 Svak " "

Sterkere magnetisk område
 Svakere " "

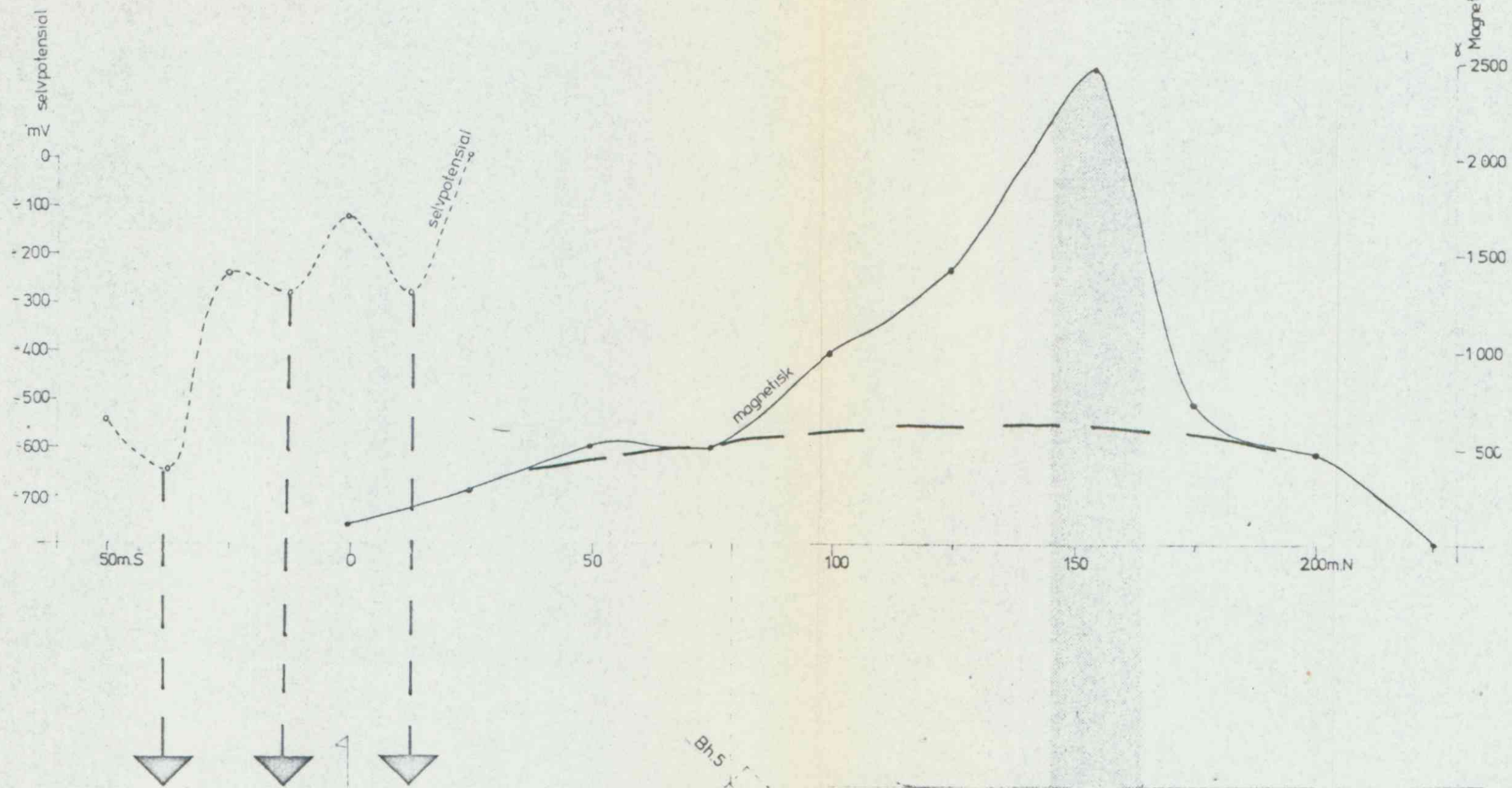
V°: plansiruktur
 borkjerne



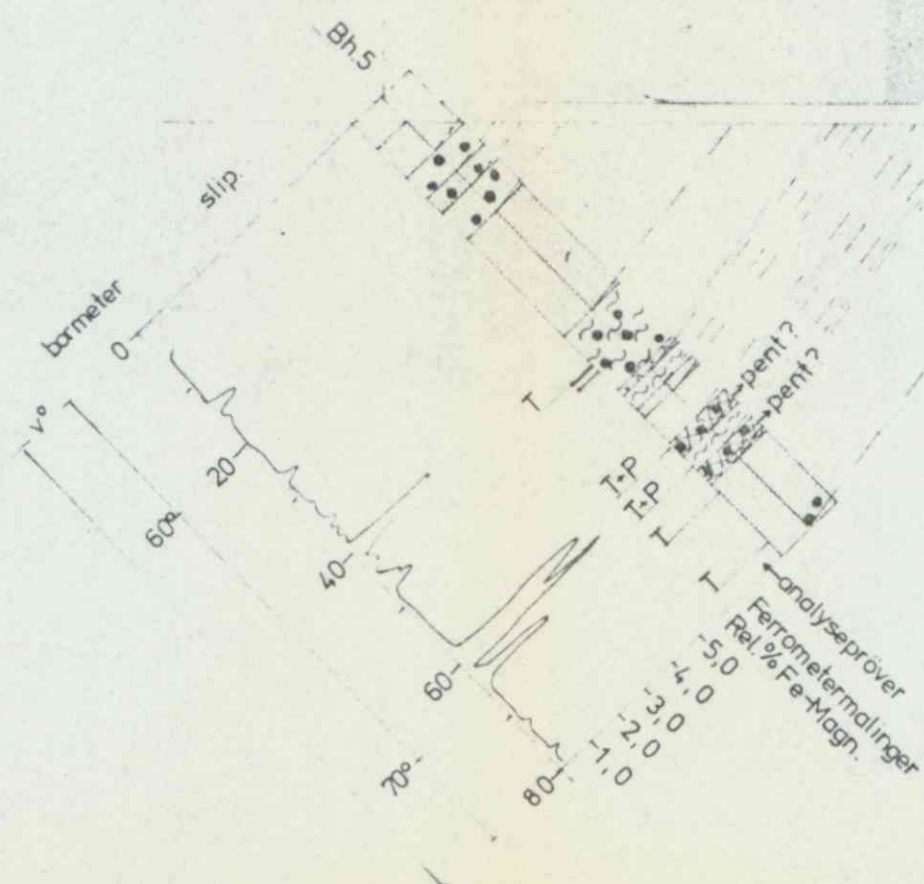
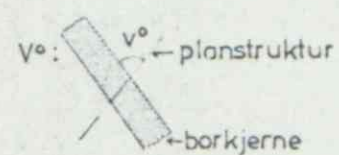
Bh. 4 (46-5,0)
 Skogfossbuen, Pasvik

Geologi : Hollander, Skordal
 Geofys. : Logn
 Sammenstillet av Lieungh

Målestokk = 1 : 1000
 A/S SYDVARANGER



- Sterk elektrisk indikasjon
 Svak " "
 Sterkere magnetisk område
 Svakere " "
 pent= Pentlanditt



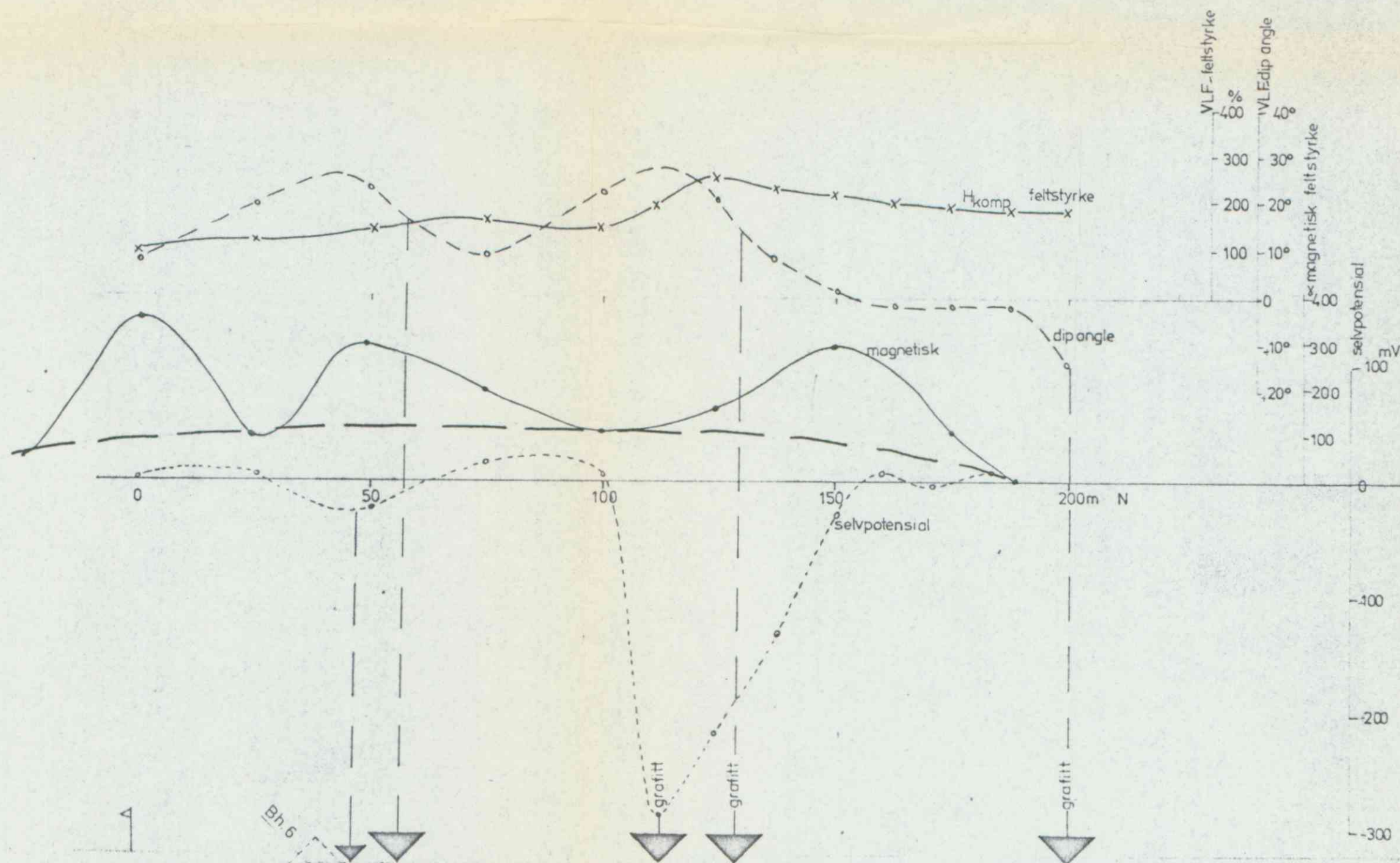
Observert bergartsfall i området, 57°

Bh. 5 (60-52)
Skogfossbuen, Pasvik

Geologi : Skordal
Geofys. : Logn.
Sammenstillet av Lieungh

Målestokk=1 : 1000

AS SYDVARANGER

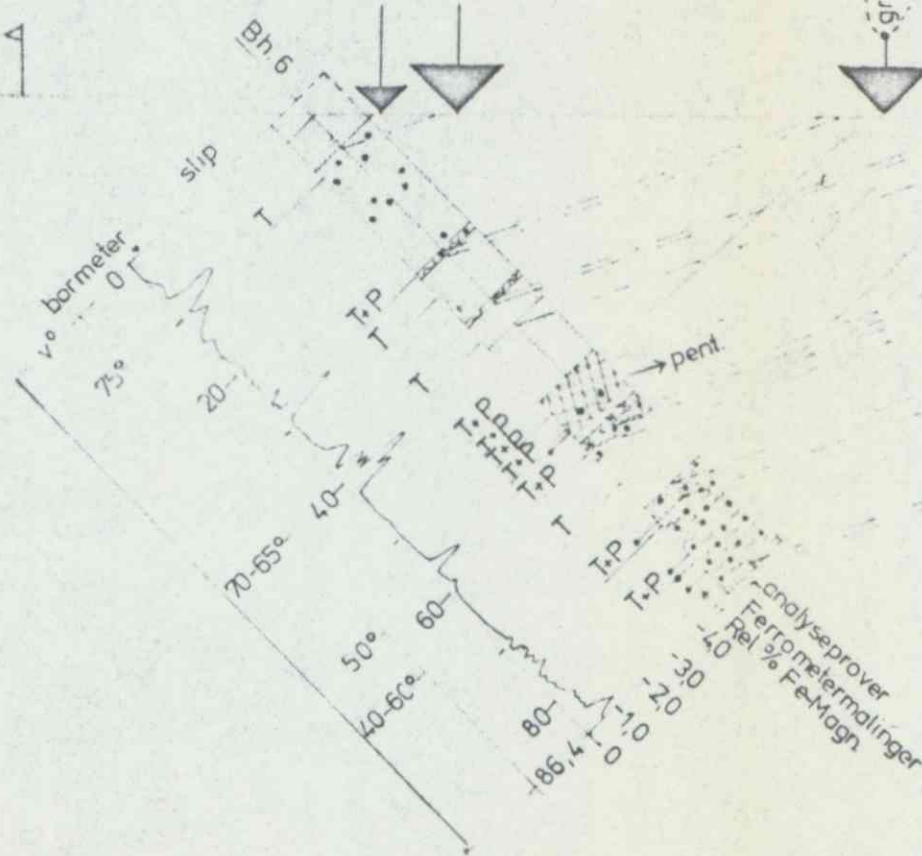


Sterk elektrisk indikasjon
 Svak "

Sterkere magnetisk område
 Svakere "

pent = Pentlanditt

V° planstruktur
 borkjerne



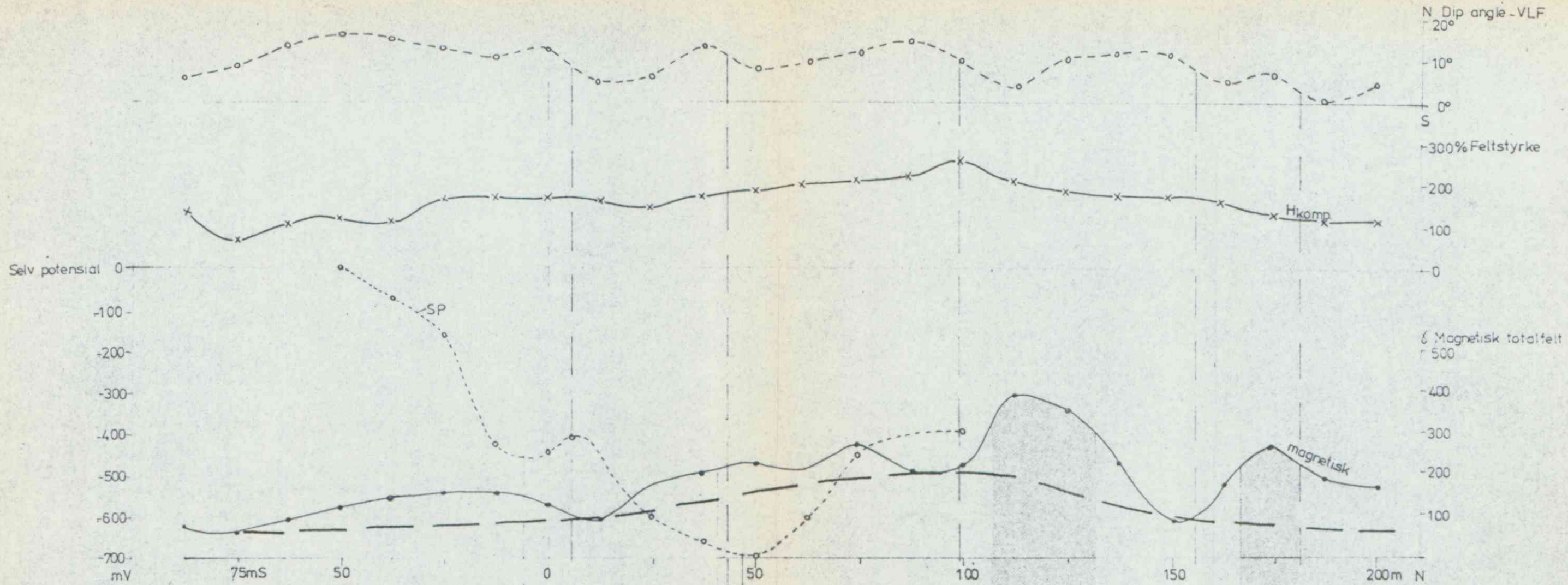
Observerv bergarts fall i området 30° S

Bh. 6 (67-4,8)
Skogfossbuen, Pasvik

Geologi : Skordal
Geofys. : Logn, Hansen
Sammenstillet av Lieungh

Målestokk = 1 : 1000

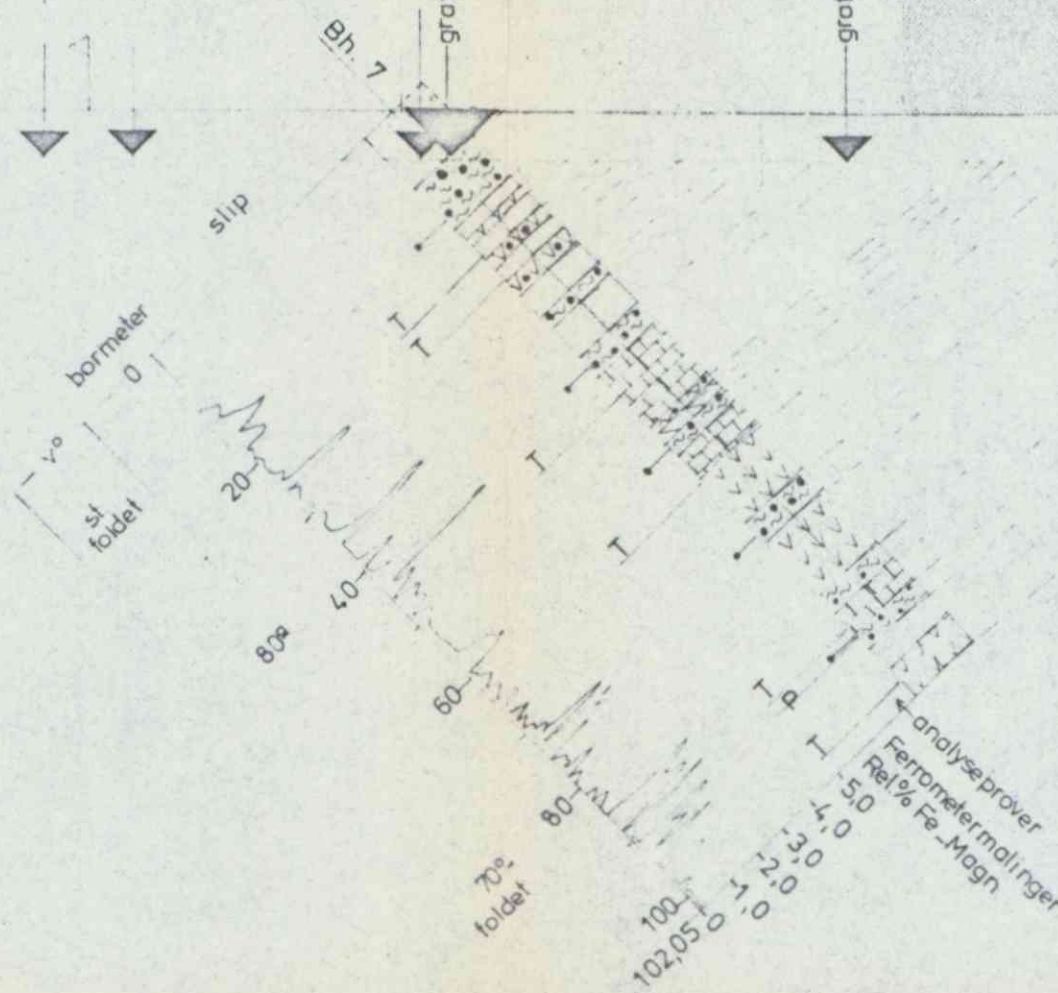
A/S SYDVARANGER



Sterk elektrisk indikasjon
 Svak

Sterkere magnetisk område
 Svakere

v°: planstruktur
 borkjerne

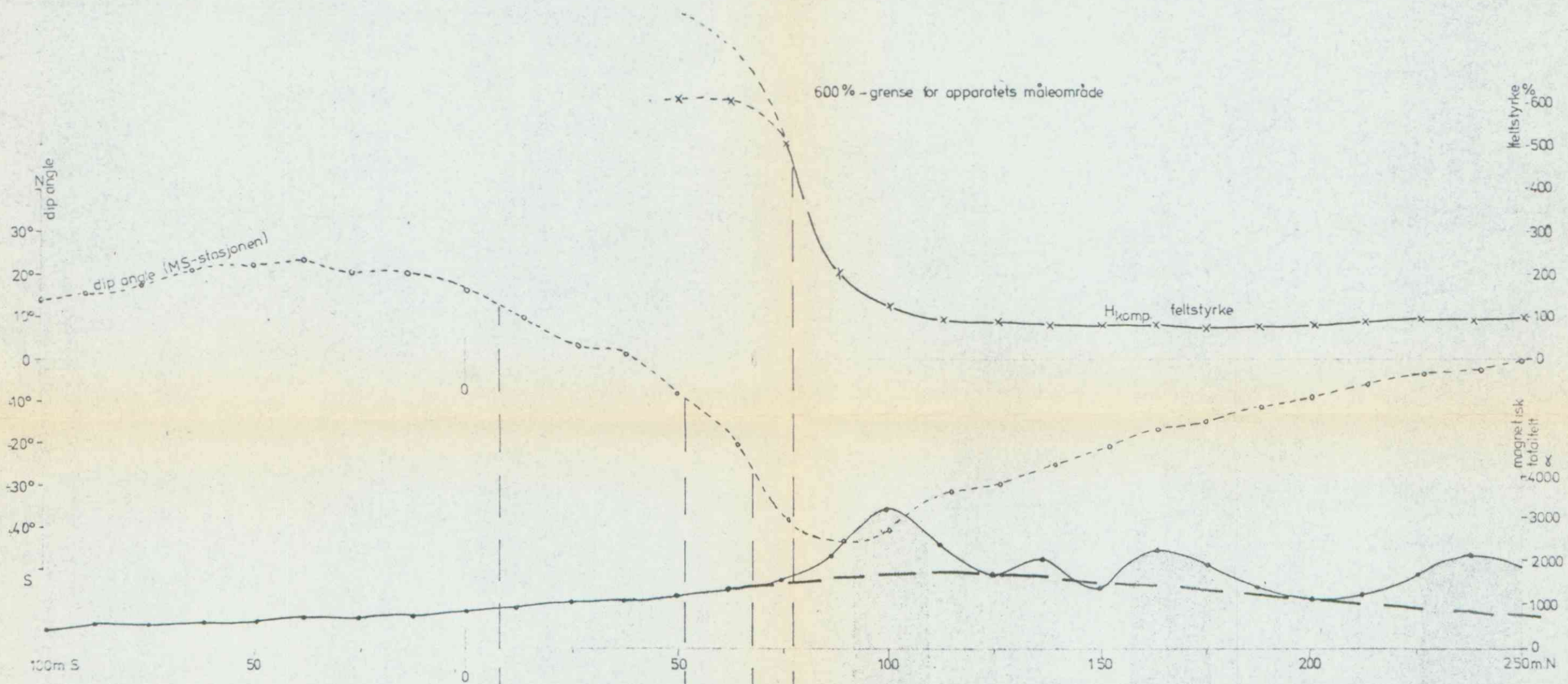


Observert bergartstall 28-57°

Bh. 7 (72-5,2)
 Skogfossbuen, Pasvik

Geologi: Skordal
 Geofys.: Logn, Hansen
 Sammenstilt av Lieungh

Målestokk=1:1000



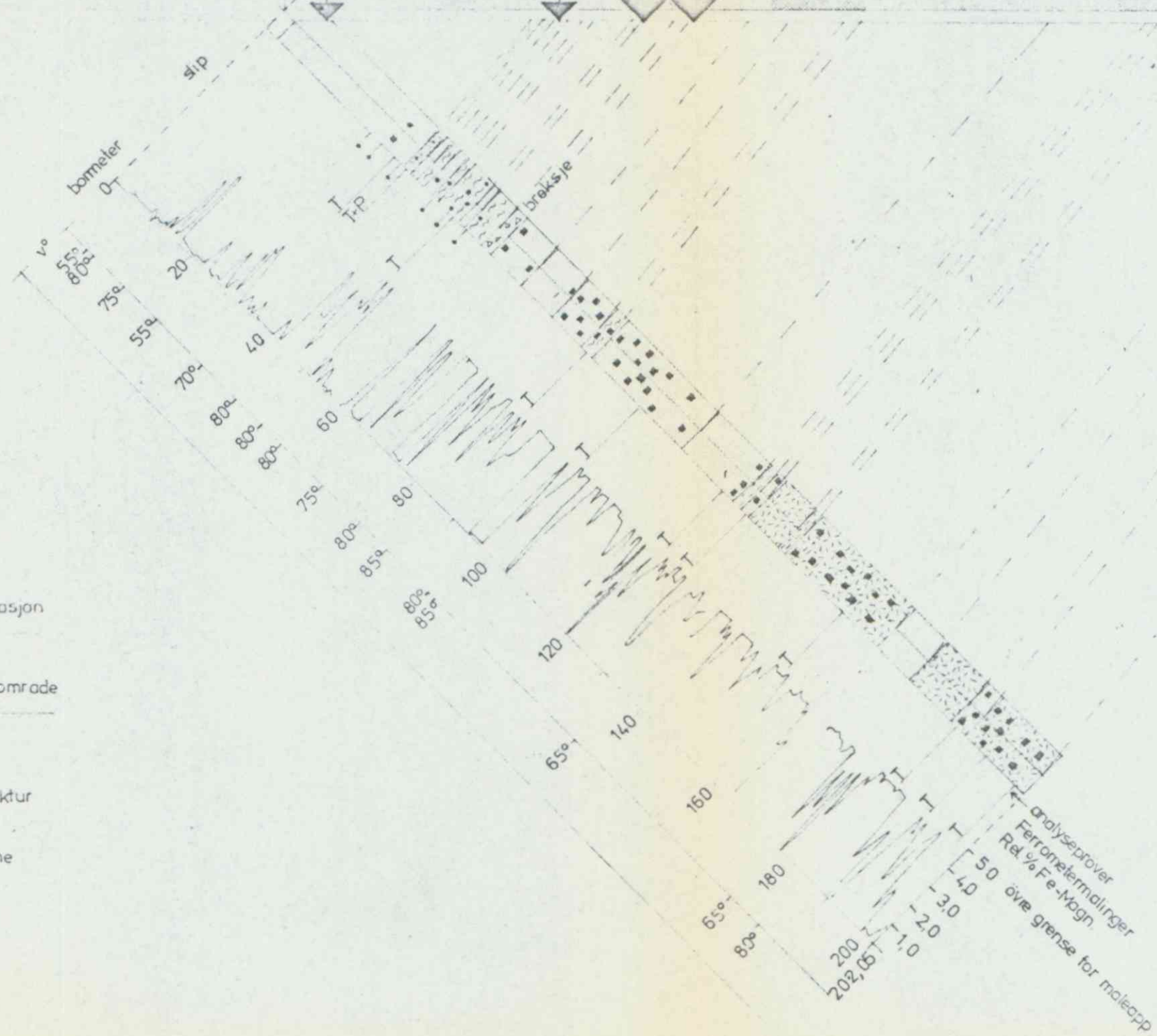
Bh. 8

grafitt?

Kis?

grafitt?

breksje?

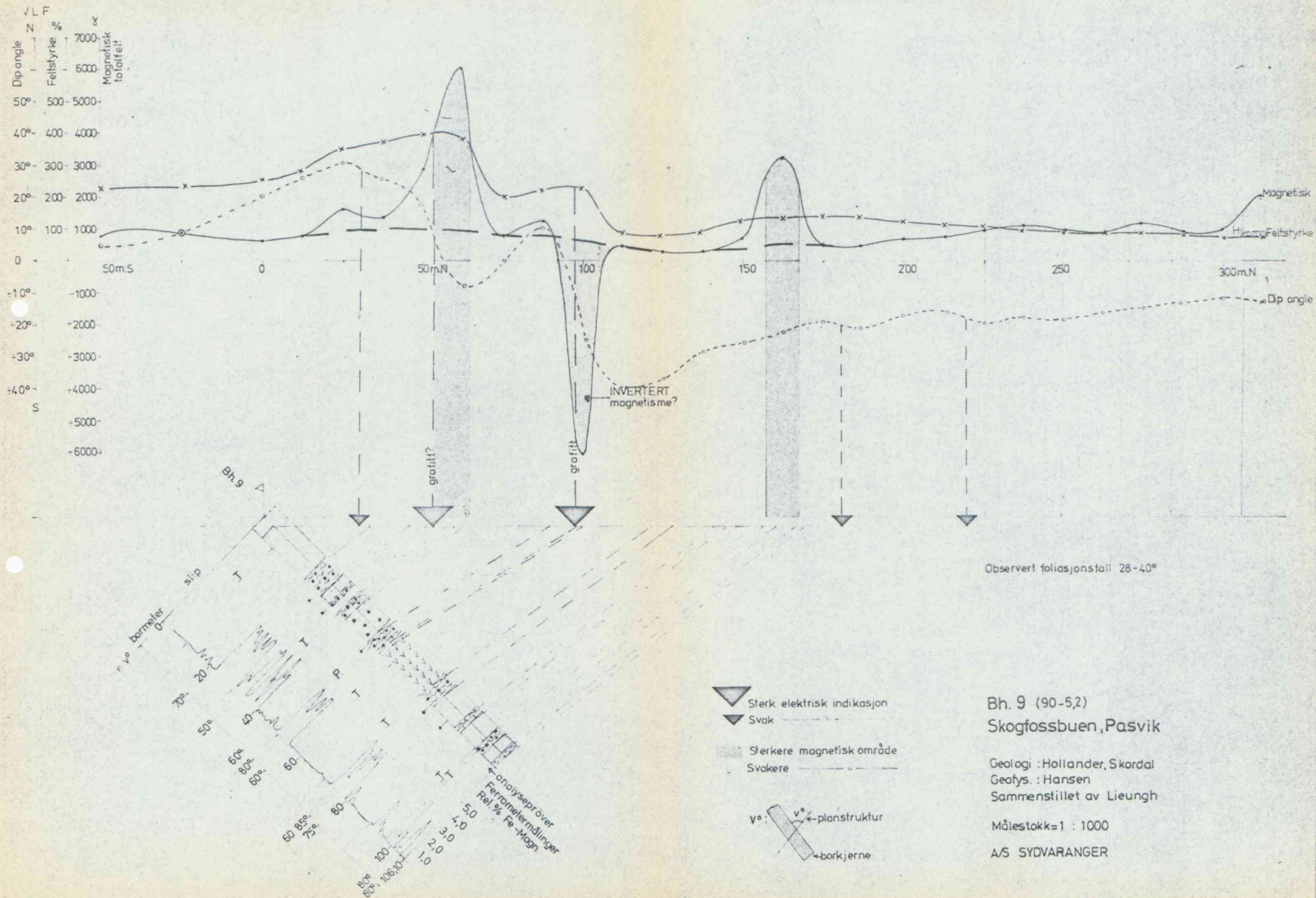


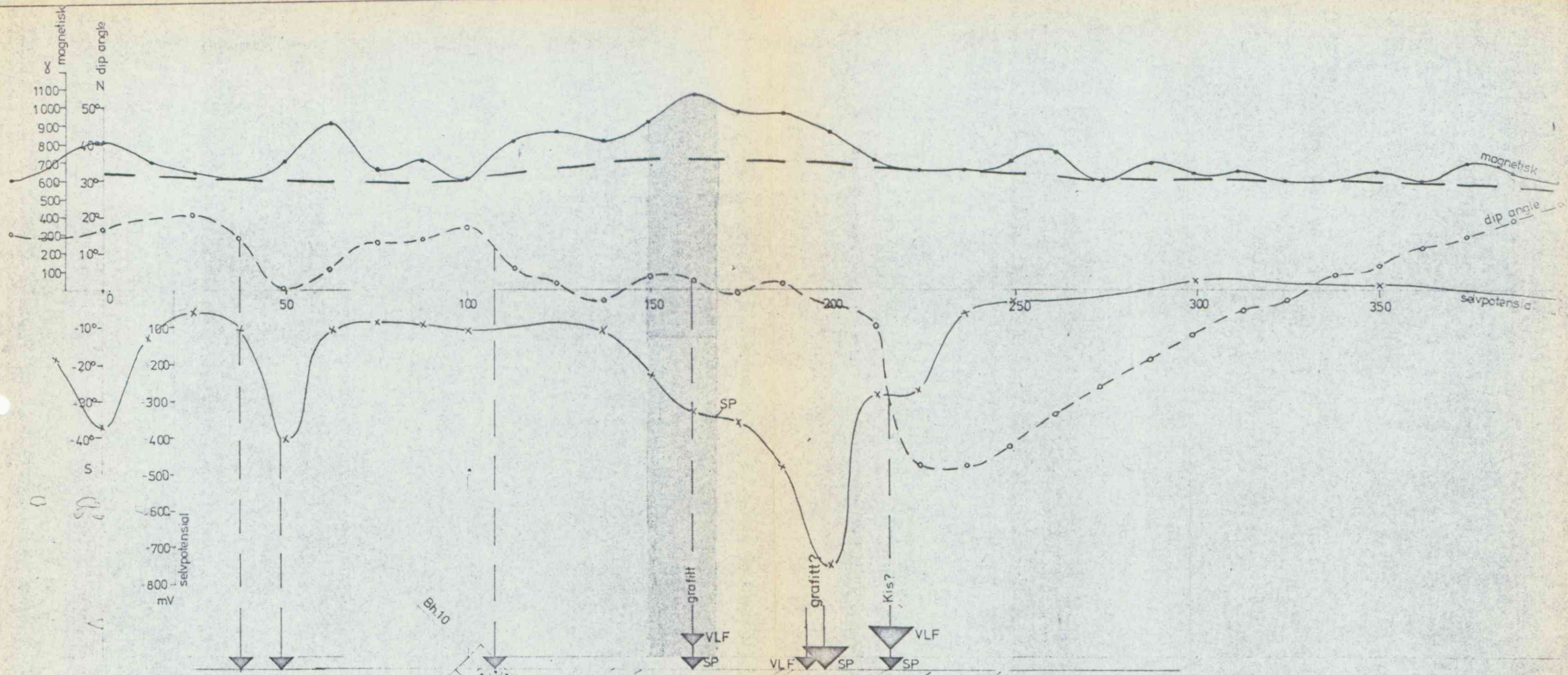
Observert foliasjonstil 38-45°

Bh. 8 (83-56)
Skogfossbuen, Pasvik

Geologi: Hollander, Skordal
Geofys.: Logn, Hansen
Sammenstillet av Lieungh

Målestokk=1:1000





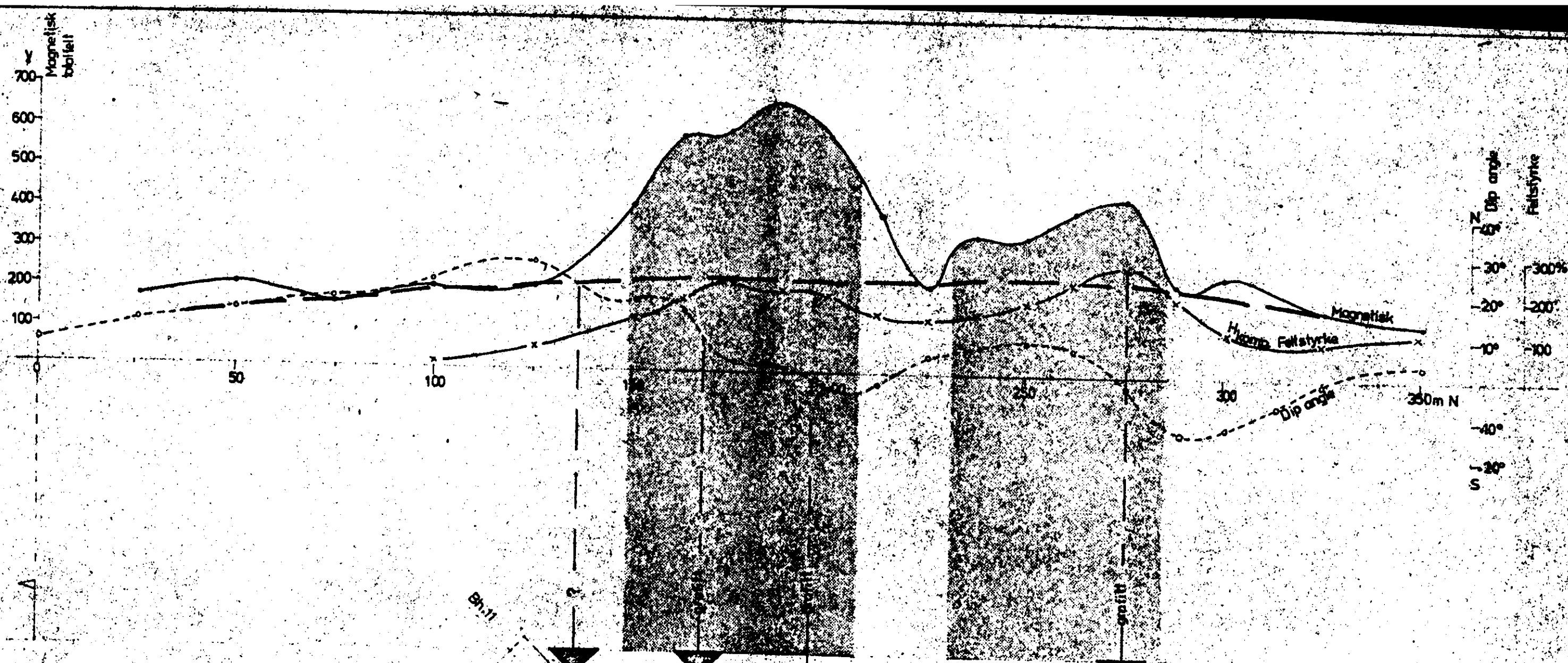
Observert foliasjonsfall 43°

Bh.10 (94-35)
Skogfossbuen, Pasvik

Geologi : Skordal
Geofys. : Logn, Hansen
Sammenstillet av Lieungh

Målestokk = 1000

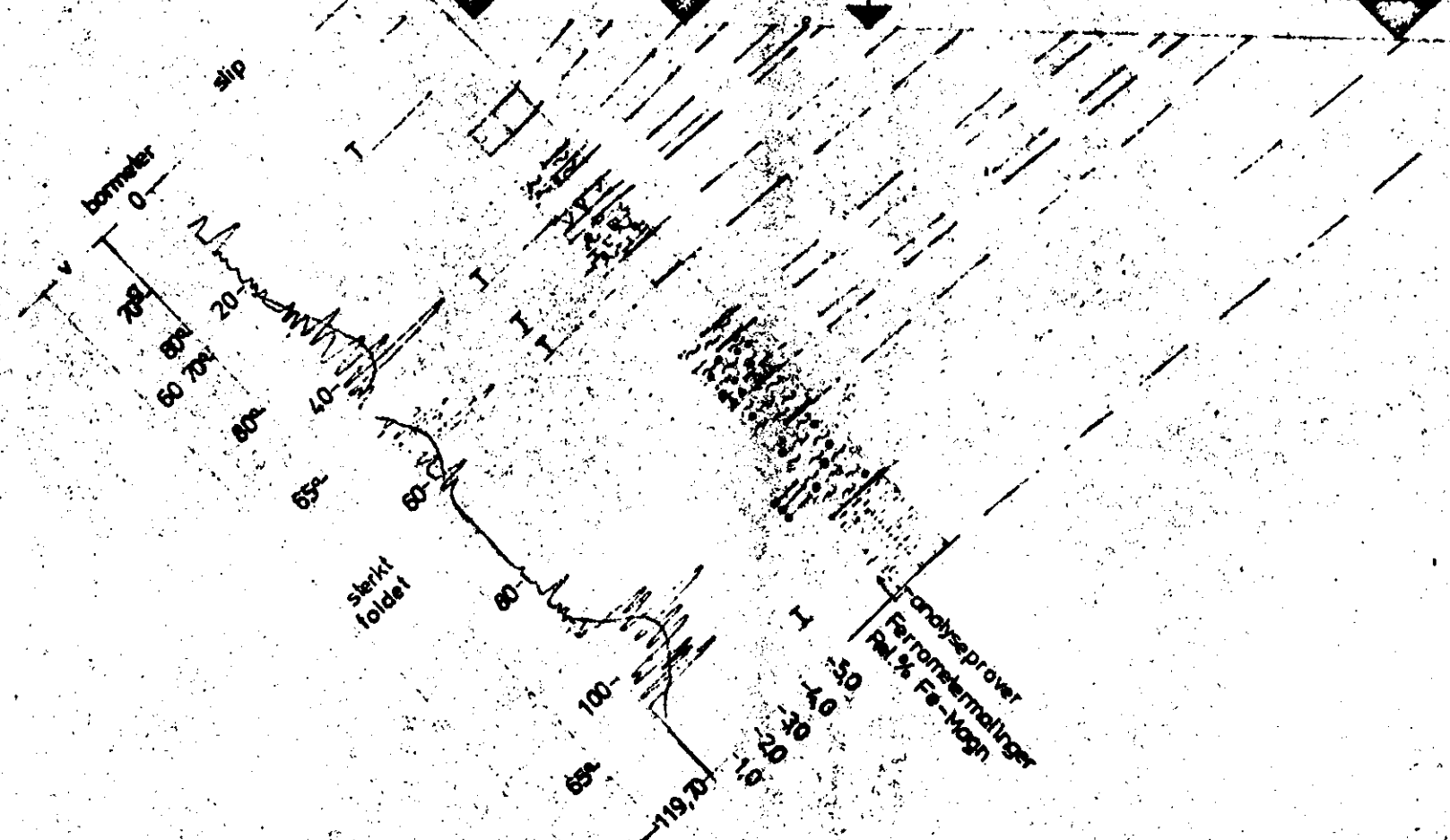
A/S SYDVARANGER



Sterk elektrisk indikasjon
 Svak

Sterkere magnetisk område

planstruktur
 barkjerne



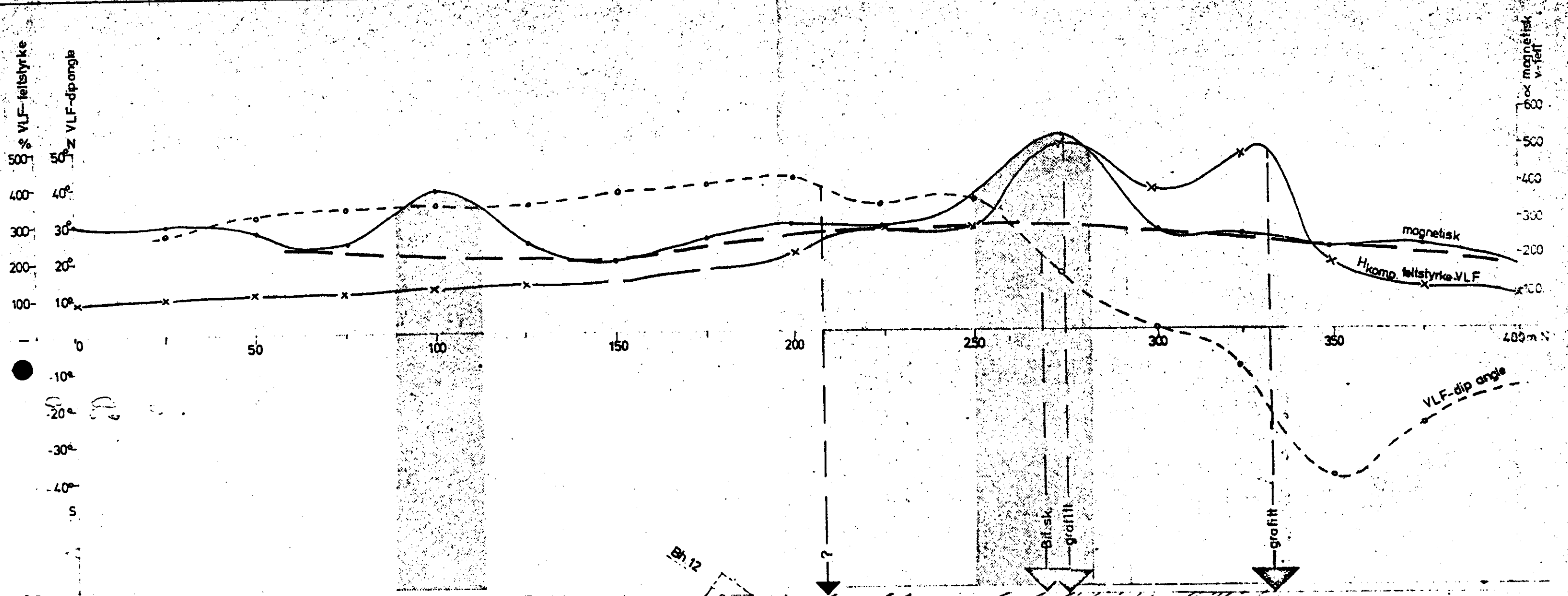
Ingen foliasjonsobservasjoner

Bh.11 (61-33)
 Skogfossbuen, Pasvik

Geologi : Skordal
 Geofys. : Hansen
 Sammenstillet av Lieungh

Målestokk=1 : 1000

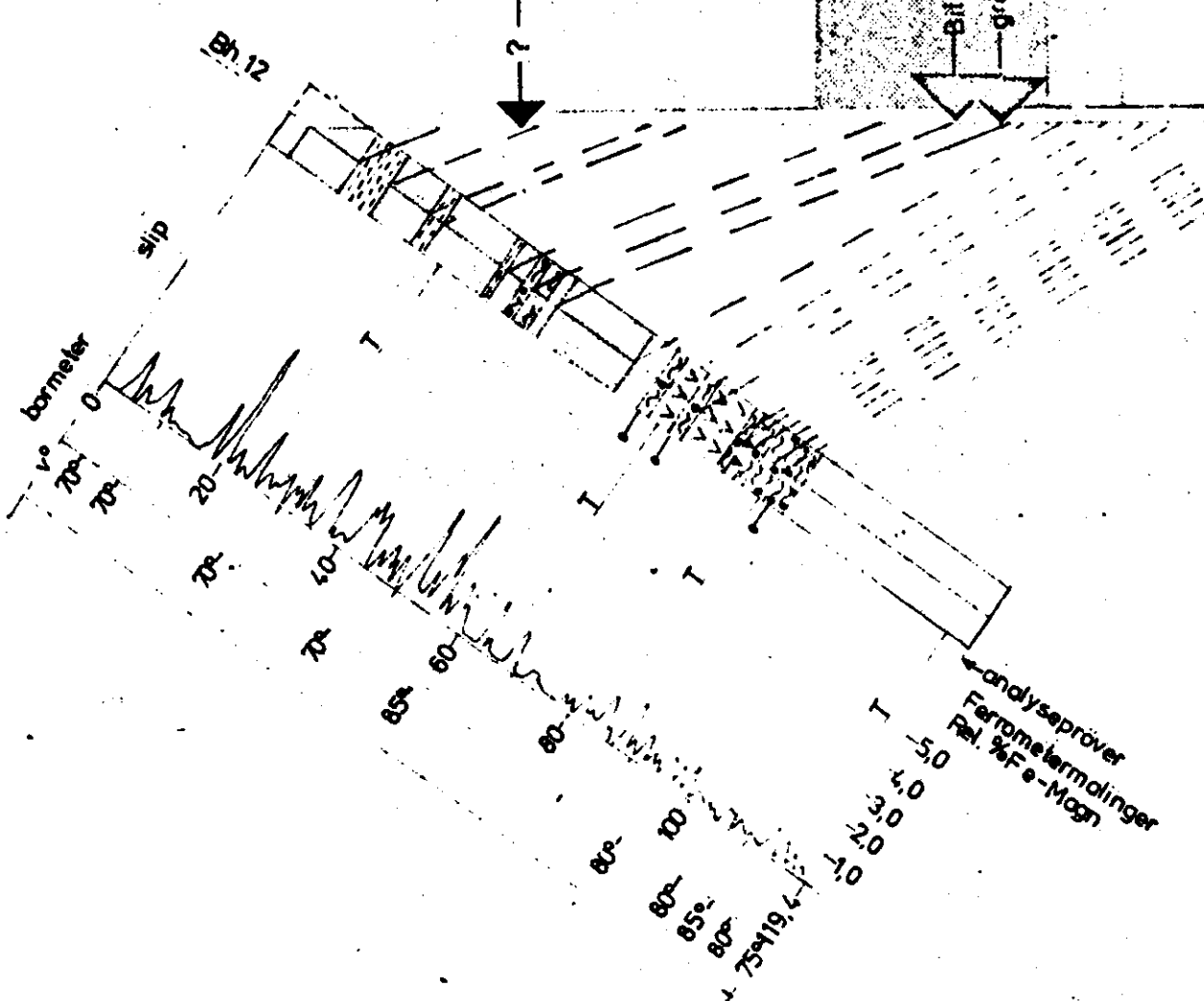
A/S SYDVARANGER



Sterk elektrisk indikasjon
 Svak

Sterkere magnetisk område
 Svakere

planstruktur
 borkjerne



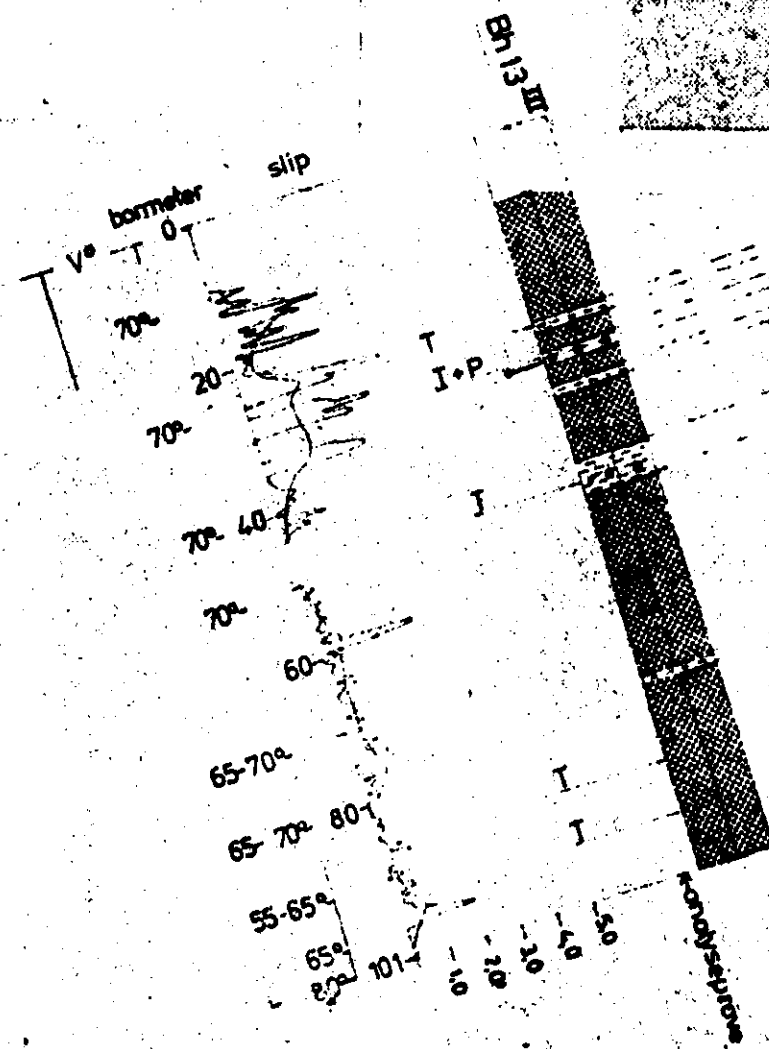
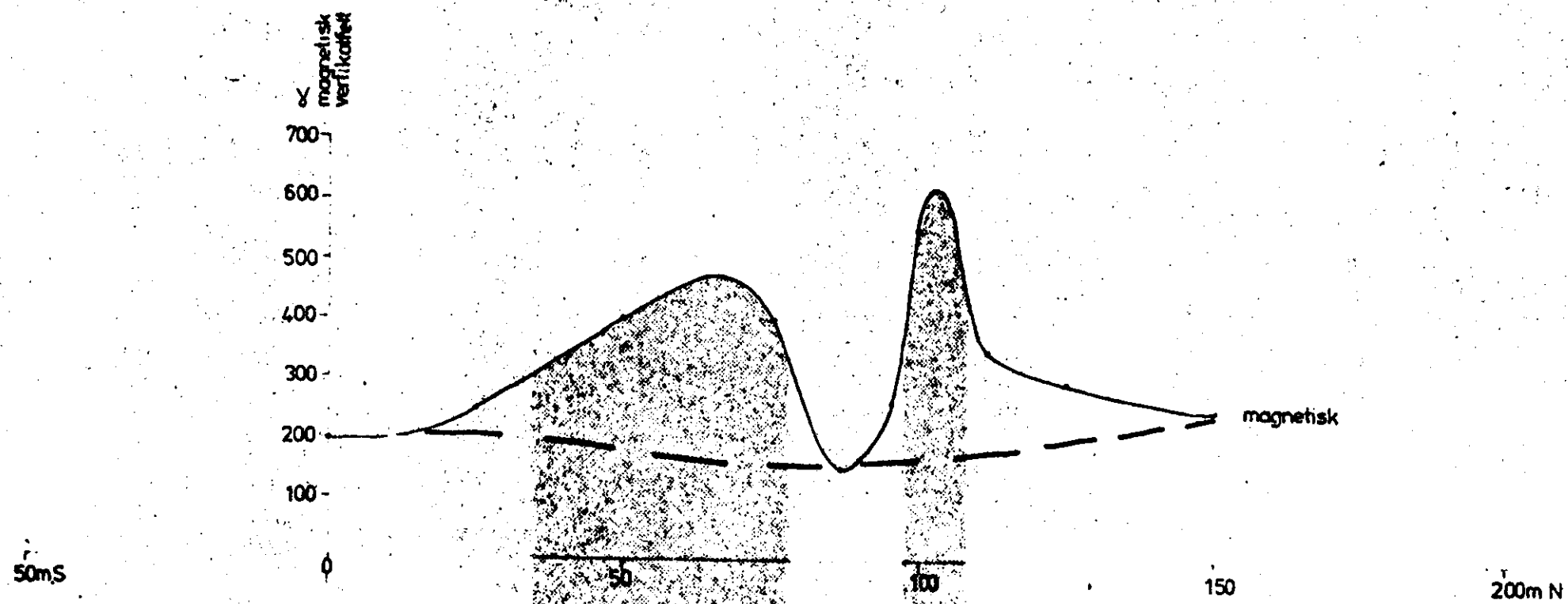
Observert foliasjonstil i området 44°

Bh.12 (59-27)
 Skogfossbuen, Pasvik

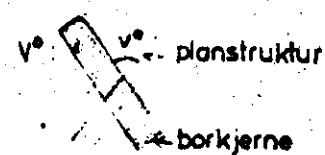
Geologi: Hollander, Skordal
 Geofys.: Logn, Hansen
 Sammenstillet av Lieungh

Målestokk = 1 : 1000

A/S SYDVARANGER



Sterkere magnetisk område



Observeret foliasjonsfall i området 29°

Bh.13^{III} (59-2,1)
Skogfossbuen, Pasvik

Geologi: Skardal
Geofys.: Lieungh
Sammenstillet av Lieungh

Målestokk: 1 : 1000

A/S SYDVARANGER

