Tverrfjellet
Brendhøin

400N 500 N 600 N 700 N 800 N 900N

KJØRE VEI TIL GRUVA

DDH 685D

E 6

Z + 1000

Z + 800

Z + 600

610.45 m

LEGEND

LITHOLOGY

- amphibolite, schistose amphibolite (meta-basalt flow)
- amphibole-chlorite schist, banded amphibolite (meta-mafic tuff)
- calcareous biotite-sericite-chlorite schist (meta-tuff, tuffite)
- quartzite, micaceous quartzite (meta-qtz arenite)
- qtz-biotite-sericite schist (meta-qtz-pelite / semi-pelite)
- (calcareous) biotite-sericite schist (meta-pelite)
- calcareous / high calcareous (epidote-amphibole-sericite) biotite-chlorite schist (carbonate banded mica schist) (meta-pelite)
- calcareous / high calcareous biotite-epidote-sericite-chlorite schist (meta-mafic volcanic sediment with epiclastic sedimentary impurity, supp. distal facies of subaqueous mass flow (lahar))
- biotite-chlorite-bear. fspar-qtz rock (meta-greywacke and meta-conglomeratic tilloide)
- quartzite, magnetite quartzite (meta-chert)

GEOLOGY

- occurrence of pyrite, pyrrhotite
- occurrence of magnetite, ilmenite
- scattered crystals of magnetite, ilmenite
- chert layer
- chert layer with magnetite
- occurrence of graphite
- chemical analysis
- geological boundary (sharp, gradational)
- fault
- consolidated shear zone

Susceptibility 10 (10^-3 cgs)

FOLLDAL VERK A/S

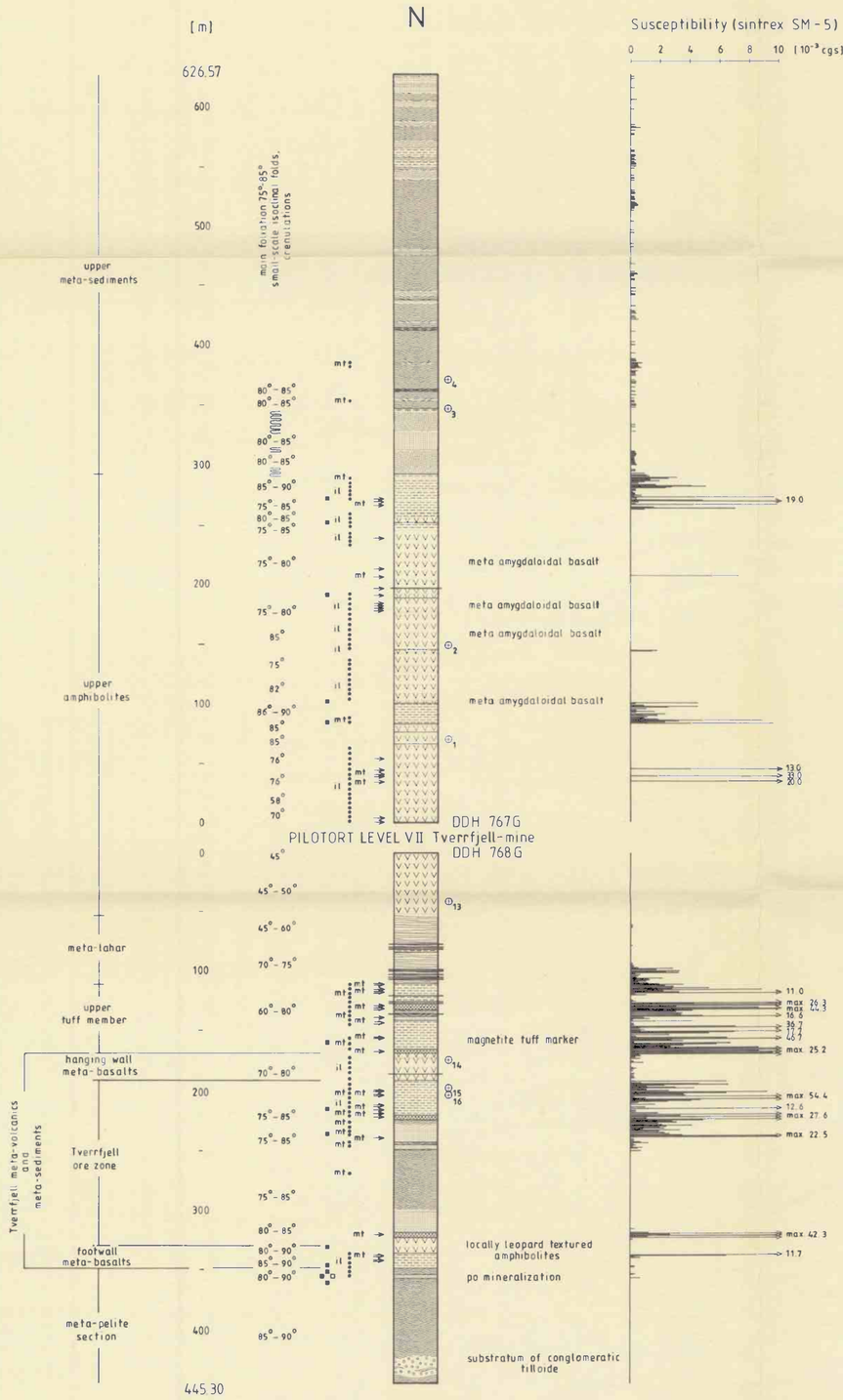
HJERKINN-PROSJEKT

TVERRFJELLET

PROFIL LANGS BH 685D

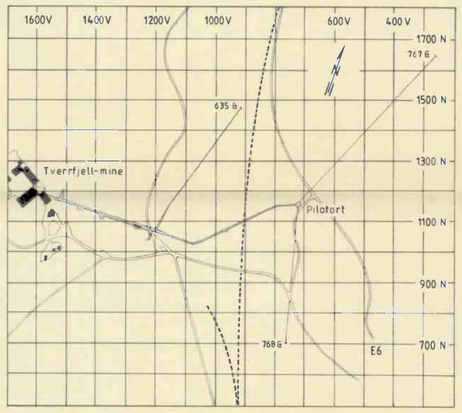
Date 03.07.1986	Scale: 1: 1000	F.D. Priesemann

A.S. TOPROP



LOCATION MAP

Main transport drift and exploration tunnel of level VII, Tverrfjell-mine, transposed to surface



LEGEND

LITHOLOGY

- amphibolite, epidote-rich amphibolite (meta basalt flow)
- banded amphibolite, amphibole-qtz-fspar rock, calcareous mica schist, (calcareous) mica-rich qtz-fspar gneiss/schist (meta mafic a. felsic tuffs a. tuffites)
- calcareous epidote-biotite-chlorite schist, calcareous biotite-sericite schist (meta subaqueous lahar, distal facies)
- quartzite, magnetite-quartzite (meta chert)
- quartzite, mica-banded quartzite (meta quartz arenite)
- quartz-biotite-sericite schist/phyllite (meta semi pelite)
- (calcareous) chlorite-bear biotite-sericite schist, (calcareous) biotite-chlorite-sericite schist (meta pelite)
- matrix supported conglomerate, greywacke (meta mass-flow deposit)

GEOLOGY

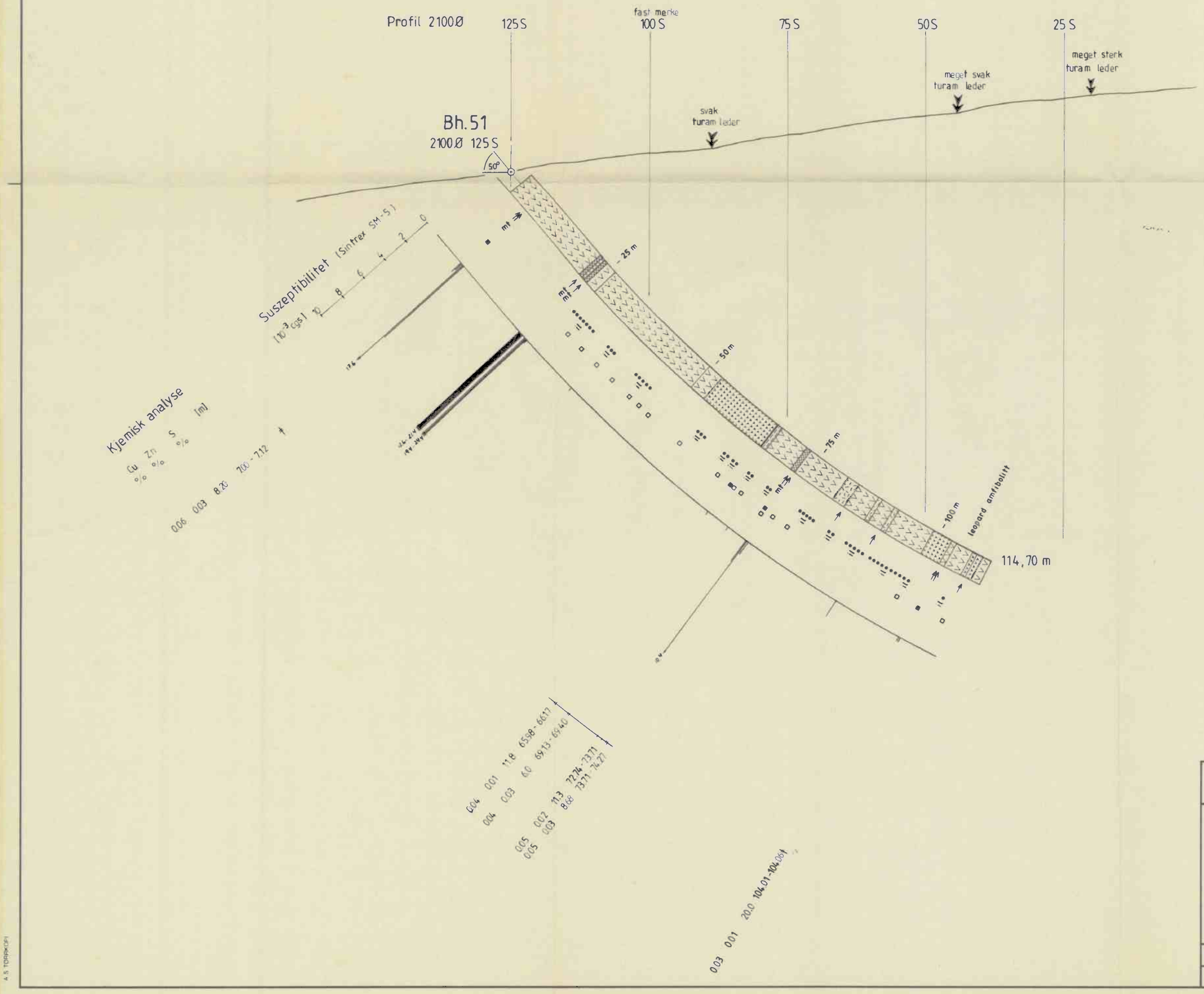
- geological boundary (sharp, gradational)
- fault
- occurrence of pyrite, pyrrhotite
- mt il occurrence of magnetite, ilmenite
- scattered crystals of magnetite, ilmenite
- chert layer
- mt → chert layer with magnetite
- $\odot_{1,13}$ whole rock analyses (767G-1, 768G-13)

FOLLDAL VERK A/S

HJERKINN-PROJECT

LITHOLOGICAL PROFILES DDH 767G a. DDH 768G

Jan. 1987 Scale 1:2500 PRIESEMANN



TEGNFORKLARING

- amfibol skifer, kloritt-amfibol skifer (meta. basaltisk lava)
- (karbonat-rik) epidot-biotitt-kloritt fyllitt / skifer (meta. mafisk vulkanitt)
- (karbonat-rik) biotitt-kloritt skifer, biotitt-serisitt skifer, glimmerrik kvarts-feldspat felser (meta. - tuffer, - tuffitter)
- båndet amfibolitt (meta. mafisk tuff)
- sulfid anrikning
- kvartsitt, magnetitt kvartsitt (meta. ekshalitt)

- bergartsgrense (skarp, uskarp)
- ▫ ▪ mineralisering av pyritt, pyrrhotitt
- mt il mineralisering av magnetitt, ilmenitt
- il • spredte krystaller av ilmenitt
- → chert horisont
- mt → chert horisont med magnetitt

FOLLDAL VERK A/S

HJERKINN PROSJEKT

LITOLOGISK PROFIL

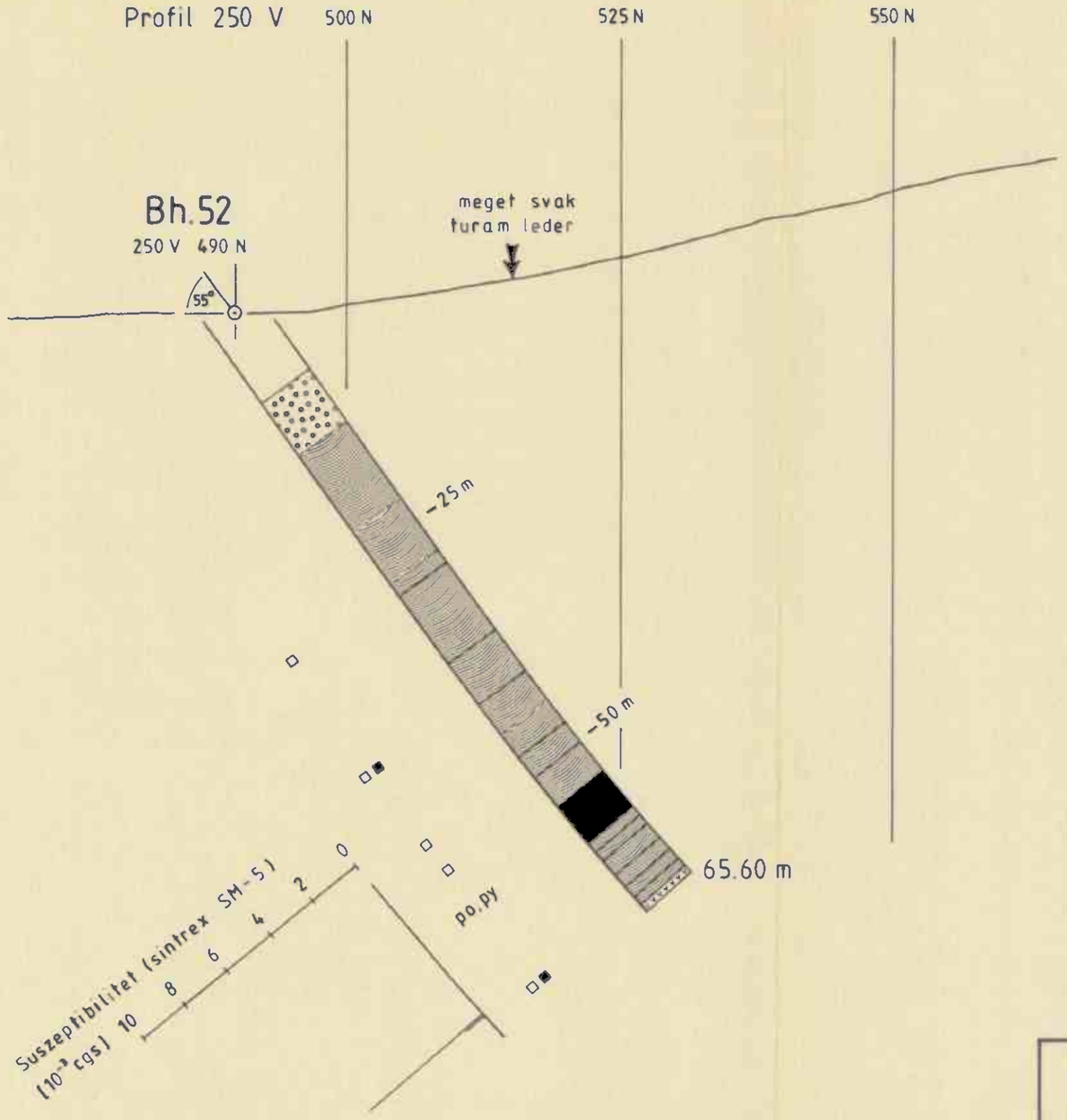
Bh. 51

2100 Ø 125 S

(øst for storforkastningen)

Date Jan 1987	Scale: 1: 500	Thesaurus

A.S TOPOGRAFI



Tegnforklaring

- (karbonat-rik) kloritt skifer (meta mafisk vulkanitt)
- biotitt-serisittskifer (meta-pelitt)
- kvarts-biotitt-serisittskifer (meta konglomeratisk slamstein)
- sulfid-mineralisering (ekshalative jernsulfider)
- bergartsgrense (skarp, uskarp)
- mineralisering av pyritt, pyrrhotitt

FOLLDAL VERK A/S

HJERKINN-PROSJEKTET

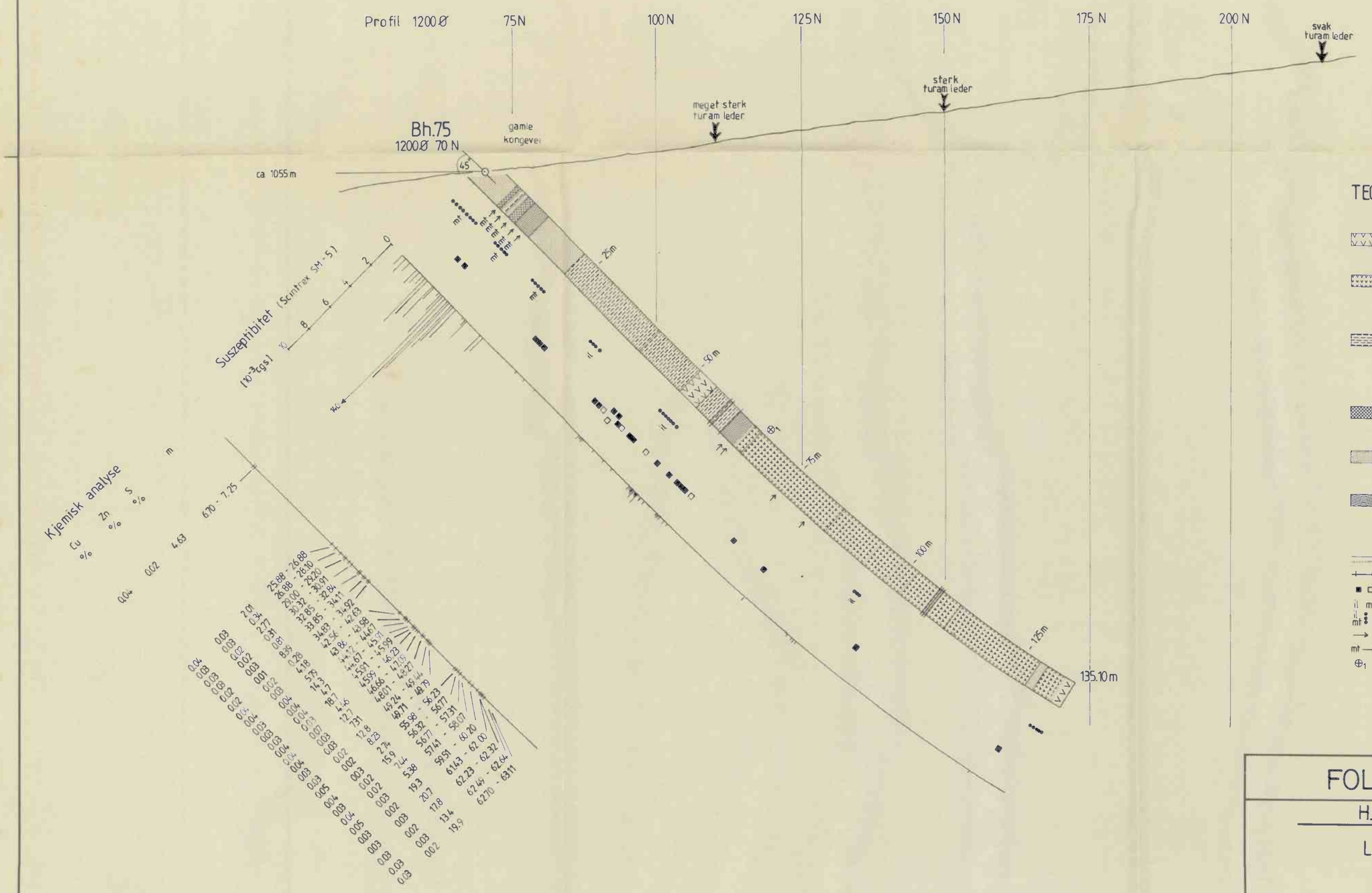
LITOLOGISK PROFIL

Bh. 52

250 V 490 N

(øst for storforkastningen)

Date Des 1986	Scale: 1: 500	Aksewan



TEGNFORKLARING

- amfibol skifer, kloritt-amfibol skifer (meta basaltisk lava)
- (karbonat-rik) epidot-biotitt- kloritt fyllitt / skifer (meta mafisk vulkanitt)
- (karbonat-rik) biotitt- kloritt skifer, biotitt- serisitt skifer, glimmerrik kvarts-feldspat felser (meta - tuffer,- tuffitter)
- kvartsitt, magnetitt- kvartsitt (meta ekshalitt)
- kvartsitt, glimmerrik kvartsitt (meta kvarts sandstein)
- (karbonat- førende) biotitt- serisitt skifer (meta pelitisk sediment)

- bergartsgrense (skarp, uskarp)
- forkastning
- mineralisering av pyritt, pyrrhotitt
- il mt mineralisering av magnetitt, ilmenitt
- mt spredte krystaller av ilmenitt, magnetitt
- chert horisont
- mt chert horisont med magnetitt
- ⊕1 prøver, tynnslip

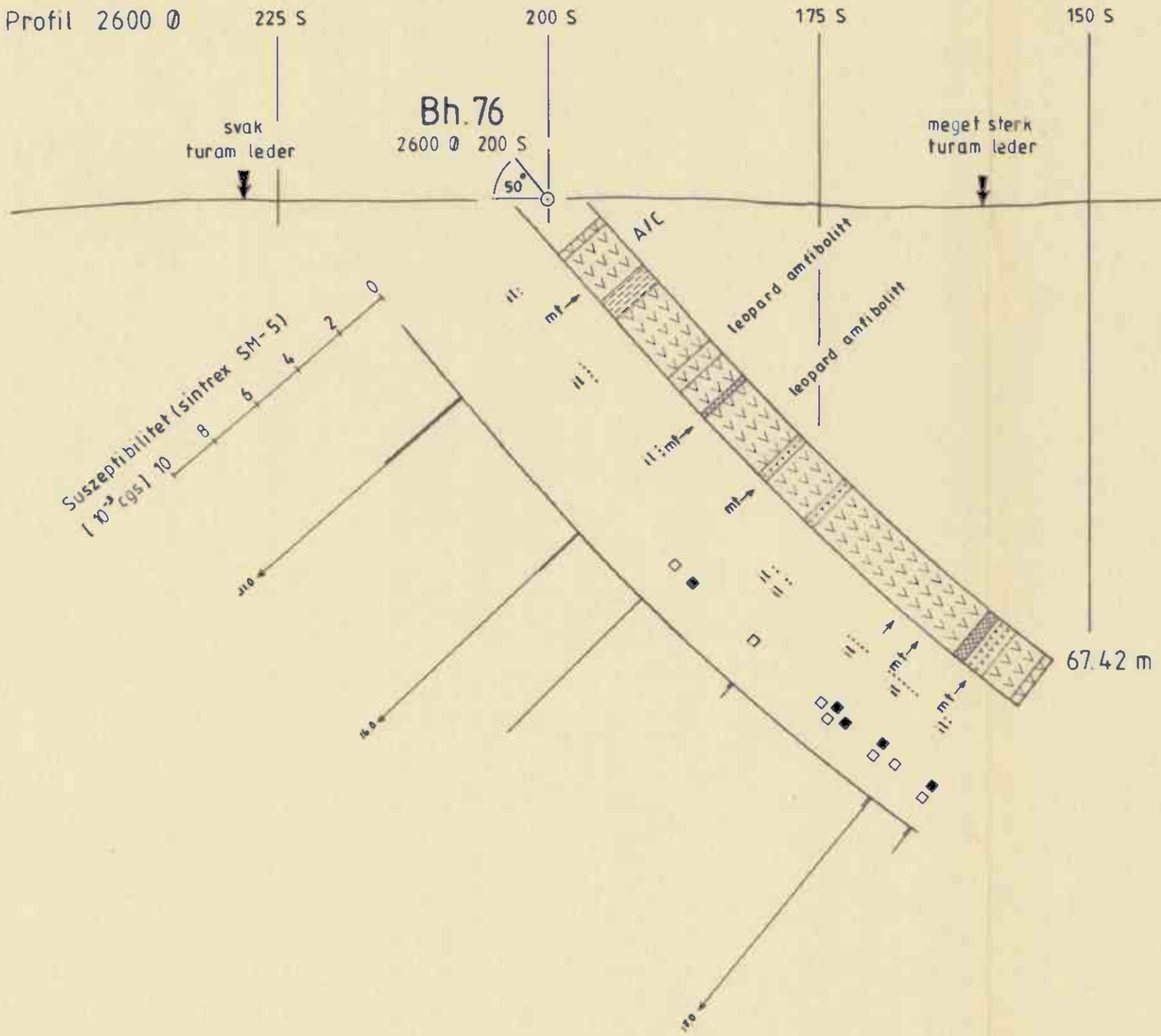
FOLLDAL VERK A/S

HJERKINN - PROSJEKT

LITOLOGISK PROFIL

Bh. 75
1200Ø 70N
(øst for storforkastningen)

Date Des. 86	Scale: 1: 500	F.D.Priesemann



Tegnforklaring

- amfibolitt, kloritt-rik amfibolitt (meta basaltisk lava)
- karbonat-rik klorittskifer (meta mafisk vulkanitt)
- karbonat-rik biotittskifer (meta-tuff)
- kvartsitt, mt-kvartsitt (meta-chert)

- bergartsgrense (skarp, uskarp)
- mineralisering av pyritt, pyrrhotitt
- il / mt: spredte krystaller av magnetitt, ilmenitt
- mt → lag av meta-chert (magnetitt)
- A/C hydrotermal omvandling, karbonatisering

FOLLDAL VERK A/S

HJERKINN-PROSJEKTET

LITOLOGISK PROFIL

Bh. 76

2600 Ø 200 S

(øst for storforkastningen)

Date	Scale	
Des 1986	1:500	Pressemann

LEGEND

GEOLOGY / GEOPHYSIC

- geological boundary (defined, approx., assumed)
- main foliation (inclined, horizontal)
- fault (defined, approx., assumed)
- normal fault (inclined)
- outcrop, outcrop area
- G occurrence of graphite
- mt occurrence of magnetite
- occurrence of sulphide
- gossan
- gravel pit, quarry
- rock dump, tailings
- shaft, ventilation shaft
- DDH diamond-drill hole (surface projection)
- HJE sample location (rock, stream sediment)
- lithological profile
- geophysical survey profile (25 m a. 100 m stations)
- geophysical grid permanent post
- location of electrode
- E6 / Nv state road
- country road, private road
- gravel road
- distinct path
- railroad
- house, cabin, etc.
- snowshed
- brook (flow direction)
- vatn lake, pool

N

E6

Dovrebanen

TVERRFJELL MINE

RAILROAD PROFILE

HJERKINN RAILWAY STATION

NGU 421

NGU 422abc

NGU 420

DDH 9

DDH 10

DDH 11

DDH 12

DDH 13

DDH 14

DDH 15

DDH 20

DDH 21

DDH 22

DDH 23

DDH 24

DDH 26

DDH 29

DDH 49

DDH 52

DDH 685D

TVD 1

TVD 2

TVD 3

TVD 4

HJE 6,7

HJE 8,9

HJE 10

HJE 11

HJE 12

HJE 13

HJE 14

HJE 15

HJE 16

HJE 17

HJE 18

45-50

Storforkastning 15-20°/45-50°

FOLLDAL VERK A/S

HJERKINN - PROJECT

OUTCROP MAP
TVERRFJELLET - HJERKINN AREA

Position of Tverrfjell ore zone

Jan. 1987 | Scale 1:5000 | PRIESEMANN

LEGEND

LITHOLOGY

- TVERRFJELL ORE ZONE
  calcareous mica schist, banded amphibolite, biotite-sericite schist, quartz-mica schist, amphibolite, quartzite, magnetite quartzite, ribbon chert, qtz-keratophyre, matix-supported conglomerate, vasskis, sulphide ore
- xxxxx quartzite, magnetite quartzite
  (meta chert)
- sulphide ore
  (meta stratabound sulphide)
- matix supported conglomerate, greywacke
  (meta mass-flow deposit)
- K qtz-keratophyr
  (meta felsic volcanic)

gamle Kongeveg

N

DDH 822D

DDH 75

DDH 51

DDH 76

DDH 762 D

HJE 25 HJE 26 HJE 29 HJE 32 HJE 30 HJE 31 HJE 27 HJE 19 HJE 28 HJE 21 HJE 20 HJE 22 HJE 23 HJE 24 HJE 4

Skardstjørni

ØYSTEINKYRKJA

HJERKINN FJELLSTUE

Rv 29

gamle Rv

FOLLDAL VERK A/S

HJERKINN - PROJECT

OUTCROP MAP
HJERKINN - BRENDHØIN

Position of Tverrfjell ore zone

Jan. 1987 | Scale 1:5000 | PRIESEMANN

LEGEND

GEOLOGY / GEOPHYSIC

- geological boundary (defined, approx., assumed)
- main foliation (inclined, horizontal)
- fault (defined, approx., assumed)
- normal fault (inclined)
- outcrop, outcrop area
- G occurrence of graphite
- mt occurrence of magnetite
- occurrence of sulphide
- gossan
- gravel pit, quarry
- rock dump, tailings
- shaft, ventilation shaft
- DDH diamond-drill hole (surface projection)
- HJE sample location (rock, stream sediment)
- lithological profile
- geophysical survey profile (25 m a. 100 m stations)
- geophysical grid permanent post
- location of electrode
- E6 / RV state road
- country road, private road
- gravel road
- distinct path
- railroad
- house, cabin, etc.
- snowshed
- brook (flow direction)
- vatn lake, pool

N

E6

Dovrebanen

TVERRFJELL MINE

RAILROAD PROFILE

HJERKINN RAILWAY STATION

E6

Storforkastning 15°-20°/45°-50°

DDH 685D

DDH 52

NGU 421

NGU 422abc

NGU 420

DDH 9

DDH 23

DDH 26

DDH 29

DDH 24

DDH 11

DDH 14

DDH 20

DDH 22

DDH 21

DDH 49

DDH 15

DDH 10

DDH 12

DDH 13

TVD 1

TVD 2

TVD 3

TVD 4

HJE 6.7

HJE 8.9

HJE 10

HJE 11

HJE 12

HJE 13

HJE 14

HJE 15

HJE 16

HJE 17

HJE 18

FOLLDAL VERK A/S

HJERKINN - PROJECT

GEOLOGICAL MAP
TVERRFJELLET - HJERKINN AREA

Jan. 1987 | Scale 1:5000 | PRIESEMANN

LEGEND

LITHOLOGY

8 UPPER AMPHIBOLITES
amphibolite, porphyric amphibolite, epidote-rich amphibolite, epidote-biotite-chlorite schist, biotite-qtz-fspar gneiss

6 HANGING WALL META-BASALTS
amphibolite, porphyric amphibolite, banded amphibolite

4 FOOTWALL META-BASALTS
amphibolite, leopard-textured amphibolite, banded amphibolite, calcareous chlorite schist, exhalites

2 LOWER AMPHIBOLITES
amphibolite, leopard-textured amphibolite, banded amphibolite

7 META-LAHAR
calcareous biotite-chlorite schist, ±calcareous chlorite-bear biotite-sericite schist

UPPER META-SEDIMENTS

9a quartzite, mica-banded quartzite
(meta qtz arenite)

9b ±calcareous biotite-sericite schist, ±calcareous biotite-sericite-chlorite schist
(meta pelite)

1 LOWER META-SEDIMENTS
quartz phyllite, phyllite, mica schist, garbenschist

UPPER TUFF MEMBER, TVERRFJELL ORE ZONE

5a amphibolite
(meta basalt flow)

5b quartzite, mica-banded quartzite
(meta qtz arenite)

5c quartz phyllite
±calcareous chlorite-bear biotite-sericite schist
(meta siltstone, meta pelite)

5d matriks supported konglomerate, greywacke
(meta mass-flow deposit)

META PELITE SECTION

3a amphibolite
(meta basalt flow)

3b quartzite, mica-banded quartzite
(meta qtz arenite)

3c quartz phyllite
±calcareous chlorite-bear. ± garnet-biotite-sericite schist
(meta siltstone, meta pelite)

3d carbonate-banded biotite-chlorite schist
(meta limestone-pelite alternation)

3e matrix supported conglomerate, greywacke
(meta mass-flow deposit)

10 plagioclase amphibolite
(sill-type meta gabbro/diorite)

11 banded amphibolite, amphibole-qtz-fspar rock, calcareous mica schist, calcareous mica-rich qtz-fspar gneiss/schist
(meta mafic a. felsic tuff a. tuffite)

xxxxx quartzite, magnetite-quartzite
(meta chert)

sulphide ore
(meta stratabound sulphide)

K qtz-keratophyr
(meta felsic volcanic)

12 quartzite, banded quartzite
(meta qtz arenite)

13 biotite-sericite schist
(meta pelite)

gamle Kongeveg

N

ØYSTEINKYRKJA

HJERKINN FJELLSTUE

Skardstjørni

DDH 822 D

DDH 75

DDH 51

DDH 76 D

DDH 762 D

HJE-5

HJE 19 HJE 20 HJE 21 HJE 22 HJE 23 HJE 24 HJE 25 HJE 26 HJE 27 HJE 28 HJE 29 HJE 30 HJE 31 HJE 32

Rv 29

gamle Rv

FOLLDAL VERK A/S

HJERKINN - PROJECT

GEOLOGICAL MAP
HJERKINN - BRENDHØIN

Jan 1987 Scale 1:5000 PRIESEMANN

GÄVÄLI

BORHULL 2000 D

5800 Ø - 3675 N

Kjemisk analyse

[m]		Cu %	Zn %	S %
91.18	91.45	0.03	0.03	—
94.75	94.91	0.02	0.02	1.85
94.91	95.98	0.04	0.02	0.19
94.09	95.30	0.02	0.03	0.04
100.40	100.50	0.03	0.03	—
100.82	100.93	0.04	0.02	2.73
128.90	130.30	0.04	0.02	—
460.20	462.25	0.03	0.03	—
466.15	466.60	0.09	0.02	15.5
469.57	469.75	0.06	0.02	0.47
471.62	471.73	0.06	0.02	4.84
471.73	472.90	0.03	0.03	—
472.90	474.17	0.03	0.03	—
483.20	483.38	0.10	0.02	2.09
483.85	484.45	0.04	0.02	0.58
494.52	495.67	0.02	0.02	—
502.45	503.35	0.14	0.18	2.97
507.95	508.85	0.03	0.03	—
508.85	509.40	0.14	0.01	8.80
509.80	510.80	0.06	0.03	0.92
511.70	511.80	0.05	0.03	0.10
512.38	512.57	0.03	0.01	—
557.90	558.17	0.05	0.03	0.25
574.10	574.36	0.04	0.01	29.7
682.90	684.17	0.03	0.02	—
684.17	685.17	0.03	0.02	—
686.30	687.30	0.03	0.02	—
687.30	688.30	0.03	0.02	—
688.30	689.30	0.02	0.02	—
689.30	689.40	0.06	0.02	—

Motstandsmåling 0 1000 5000 10000 15000 Ωa[52m]

17733 · 19653 · 18196 · 17002 · 21174 · 16637 · 18749 · 17391 · 16022 · 17479 · 17504

Suszeptibilitet (scintrex SM-5) 0 2 4 6 8 10 [10^{-3}cgs]

29.0, 21.0 · max. 55.0 · 22.0 · 12.0 · max. 52.0 · 38.0

FOLLDAL VERK A/S

HJERKINN - PROSJEKT

GÅVÅLISETER

BH 2000 D

Date 22/10 - 1986 | Scale: 1: 1000 | F.O. Priesemann

LEGEND

LITHOLOGY

- amphibolite, plagioclase amphibolite (meta-basalt flow)
- mica-rich epidote amphibolite (meta basic hyaloclastite)
- banded amphibolite (meta mafic tuff)
- banded amphibolite, amphibole-qtz-fspar rock, calcareous mica schist, calcareous mica-rich qtz-fspar gneiss/schist (meta mafic a felsic tuffs, tuffites a epiclastic sediments)
- quartzite, magnetite quartzite (meta-chert)
- micaceous quartzite (meta qtz arenite)
- qtz-biotite-sericite schist/phyllite (meta semi-pelite)
- chlorite-bear biotite-sericite schist/phyllite, amphibole garbenschist (meta pelite)
- calcareous mica schist, amphibole-bear. mica schist (meta conglomeratic tilloide a. meta-greywacke)
- quartz phyllite, biotite-sericite schist (meta semi-pelite or pelite)
- (calcareous) amphibole-biotite-chlorite schist (meta subaquaeous lahar with fragments of cobble and boulder size)
- calcareous amphibole-bear. biotite-chlorite schist (meta subaquaeous lahar with fragments of gravel and sand size)
- calcareous biotite-chlorite schist (meta subaquaeous lahar without any visuable fragments)

GEOLOGY

- geological boundary (sharp, gradatitional)
- fault
- ■ □ occurrence of pyrite, pyrrhotite
- il mt occurrence of magnetite, ilmenite
- il / mt scattered crystals of ilmenite, magnetite
- → chert layer
- mt → chert layer with magnetite
- G occurrence of graphite
- ⊕ sample
- C carbonatization
- A altered rock
- AA strongly altered rock

0m · 100m · 200m · 300m · 400m · 500m · 600m · 700m

701.60 m

5400Ø 5600Ø 5800Ø 6000Ø 6200Ø 6300Ø 6400Ø 6500Ø 6600Ø 6800Ø 7000Ø 7130N 7230N

5000 N
4900 N
4800 N
4700 N
4600 N
4500 N
4400 N
4300 N
4200 N
4100 N
4000 N
3900 N
3800 N
3700 N
3600 N
3500 N
3400 N
3300 N
3200 N
3100 N
3000 N
2900 N
2800 N

50000 50200 50400 50600 50800 51000 51200 [χ]

Sandbekken

bekk

Sandbekken

A.S TORRKOPI

FOLLDALVERK A/S

HJERKINN PROSJEKT

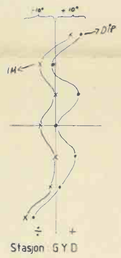
GÅVÅLISETER
MAG

5400 Ø - 7000 Ø

Date 23/9 1986	Scale: 1: 5000	T.Dahlen

5400 Ø 5600 Ø 5800 Ø 6000 Ø 6200 Ø 6400 Ø 6600 Ø 6800 Ø 7000 Ø

5000 N
4900 N
4800 N
4700 N
4600 N
4500 N
4400 N
4300 N
4200 N
4100 N
4000 N
3900 N
3800 N
3700 N
3600 N
3500 N
3400 N
3300 N



FOLLDAL VERK A/S

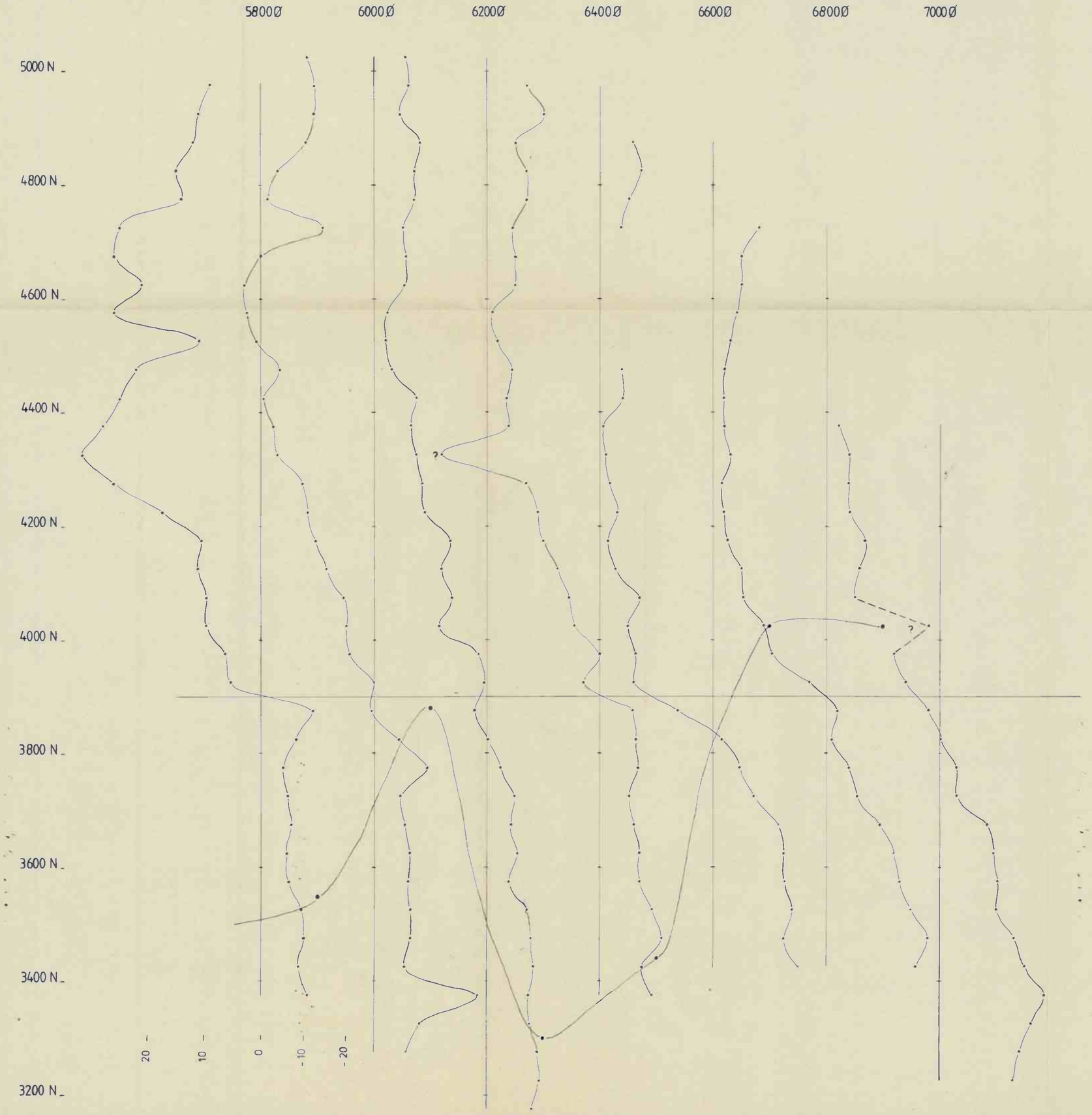
HJERKINN PROSJEKT

GÅVÅLISETER

VLF

5400 Ø - 7000 Ø

Date 23/9 1986	Scale: 1: 5000	Tove Dahlen



FOLLDAL VERK A/S

HJERKINN-PROSJEKT

GÅVÅLISETER

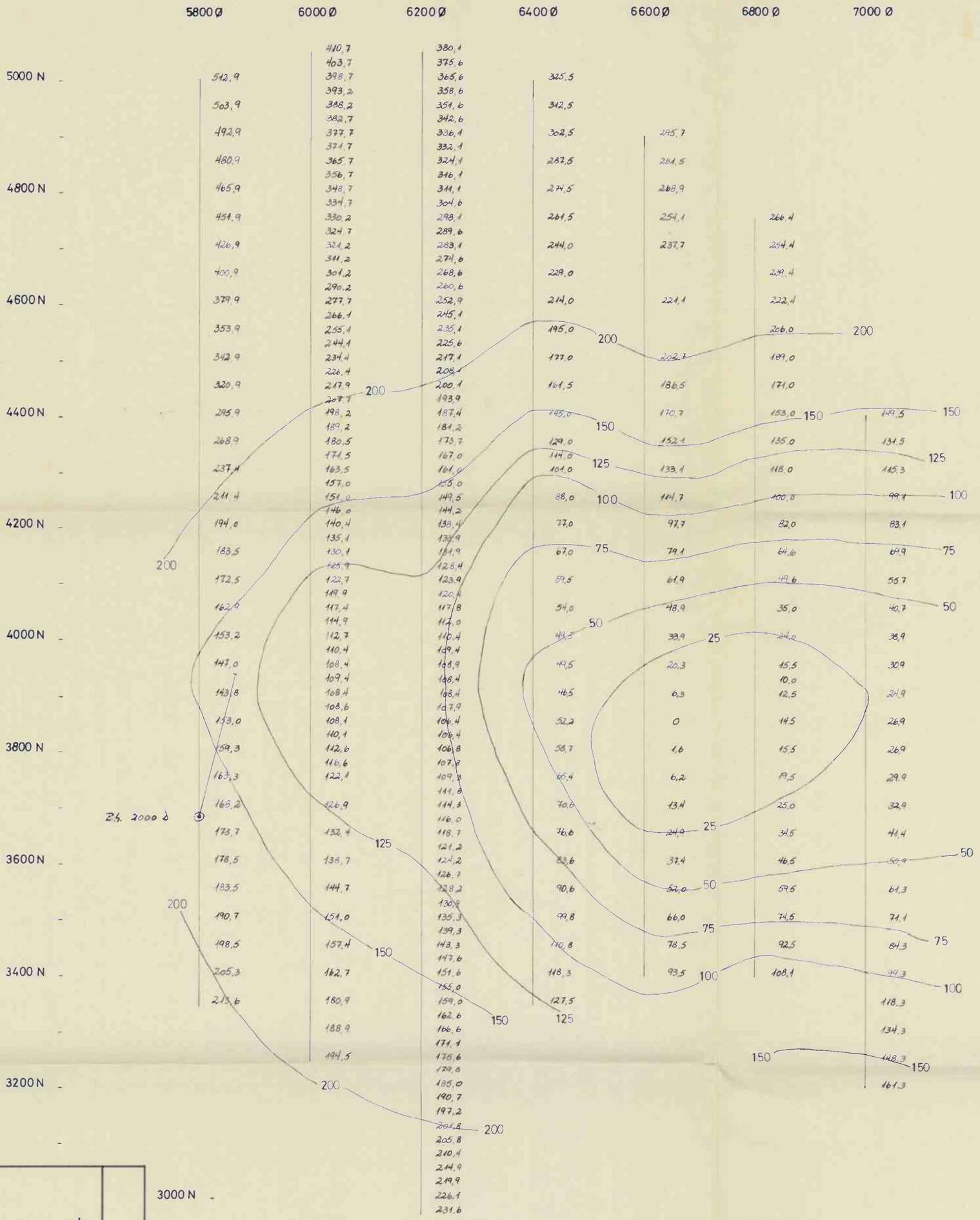
CP-MÅLING

GRADIENT

5800Ø-7000Ø

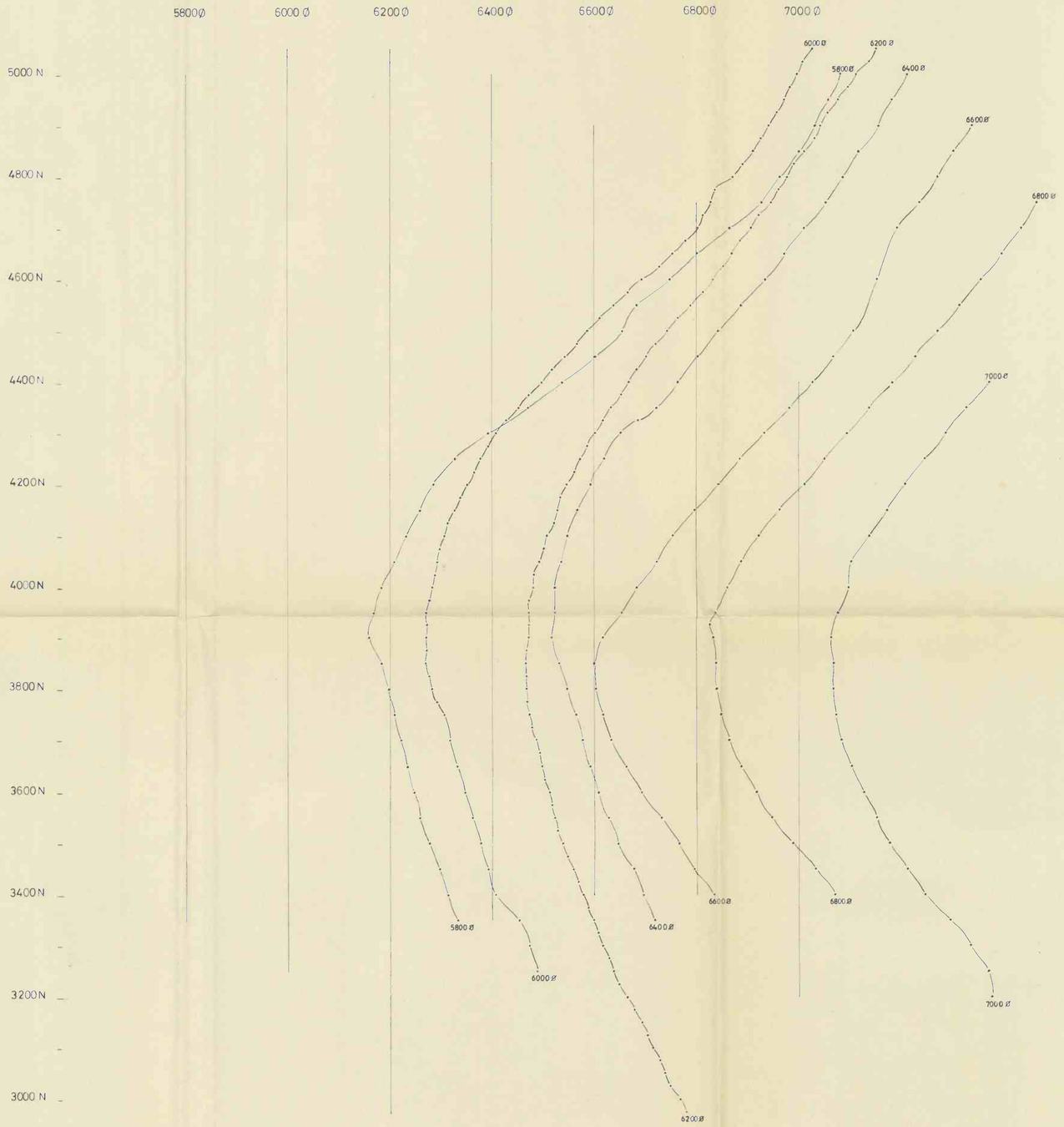
Date 17/11-86	Scale: 1: 5000	Ivar Kili

A.S. TORRKOPI



FOLLDAL VERK A/S	GÀVÀLI CP	I = 0.6 A ÷ i bh. 2000 D v/ 574 m	Date 05 09 1986	Scale: 1: 500	Tore Dahlen

HJERKINN PROSJEKT



M 1: 2000 0 50 100 150 200

FOLLDAL VERK A/S

HJERKINN PROSJEKT

GÅVÅLI

CP-MÅLING

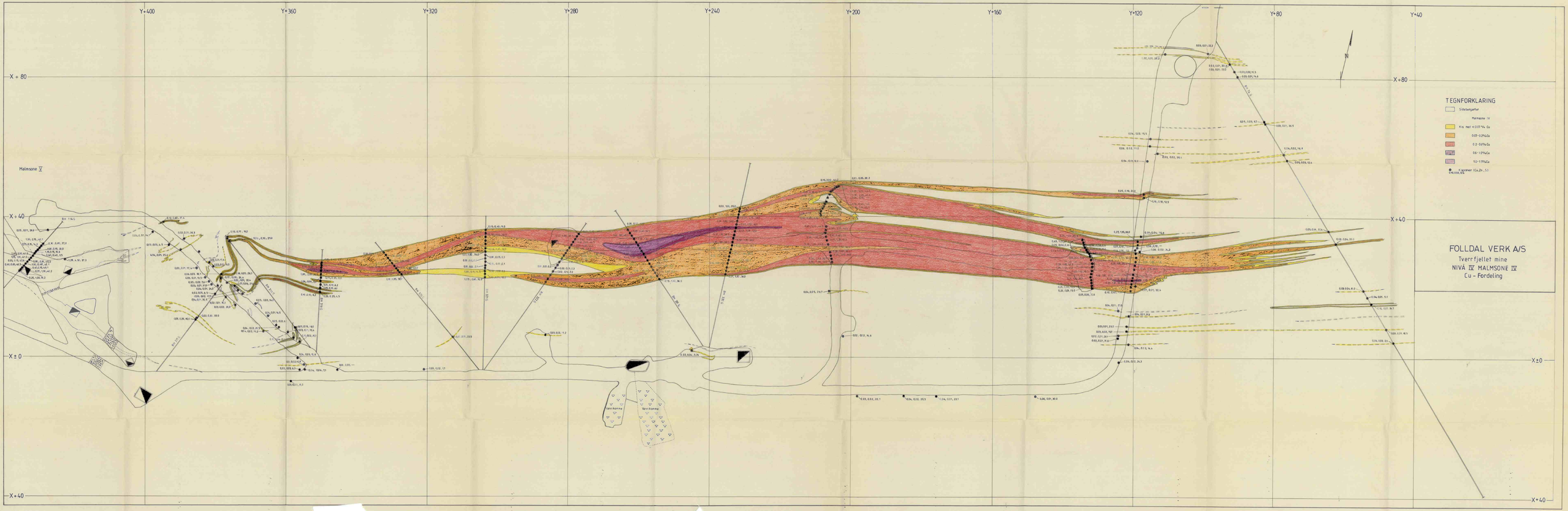
5800Ø - 7000Ø

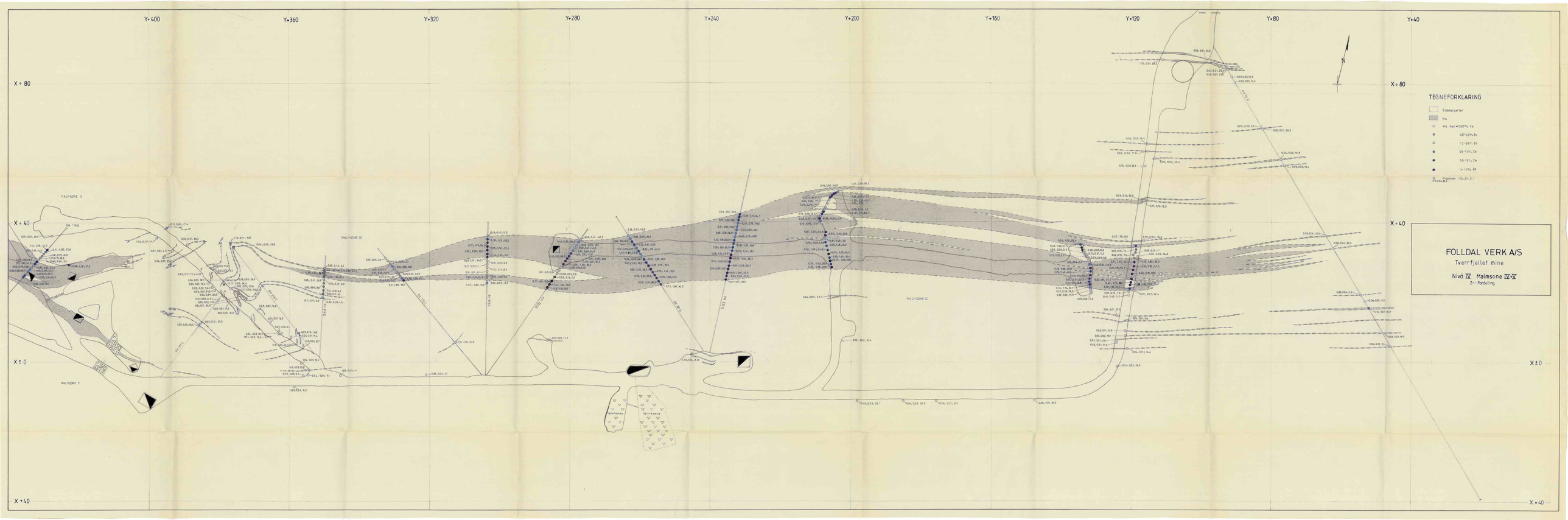
Date 04.09.1986	Scale: 1: 5000	TD

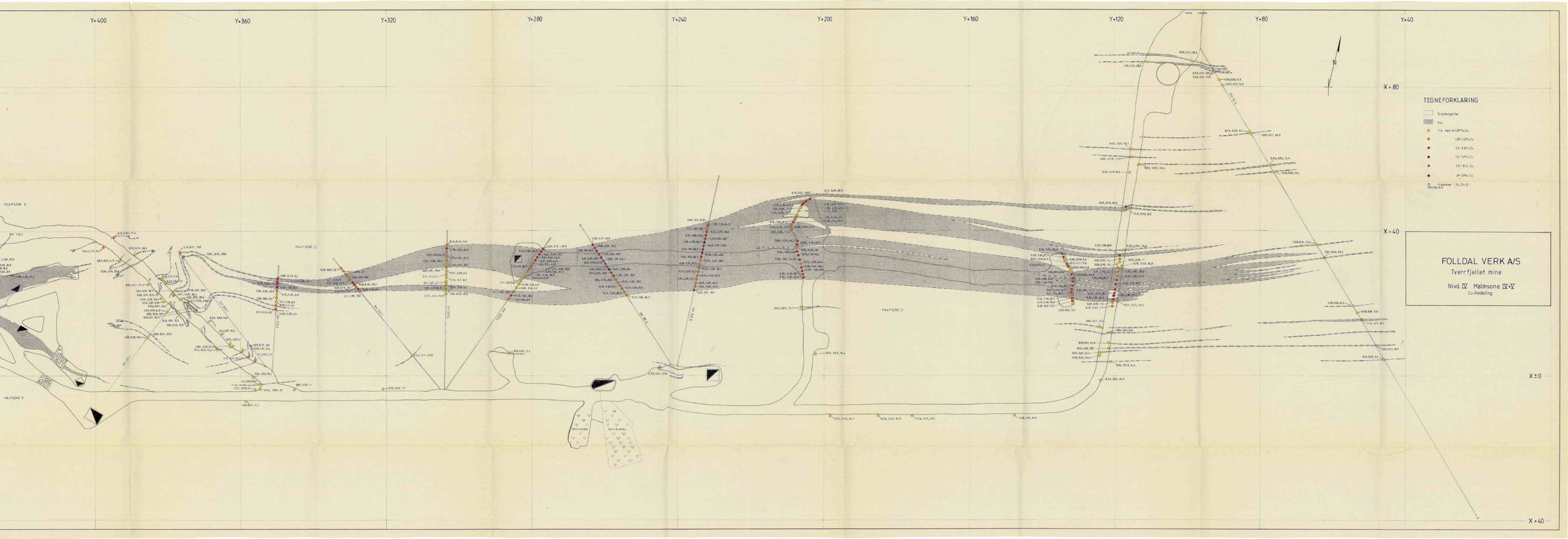
A.S TERRATEST

TVERRFJELLET

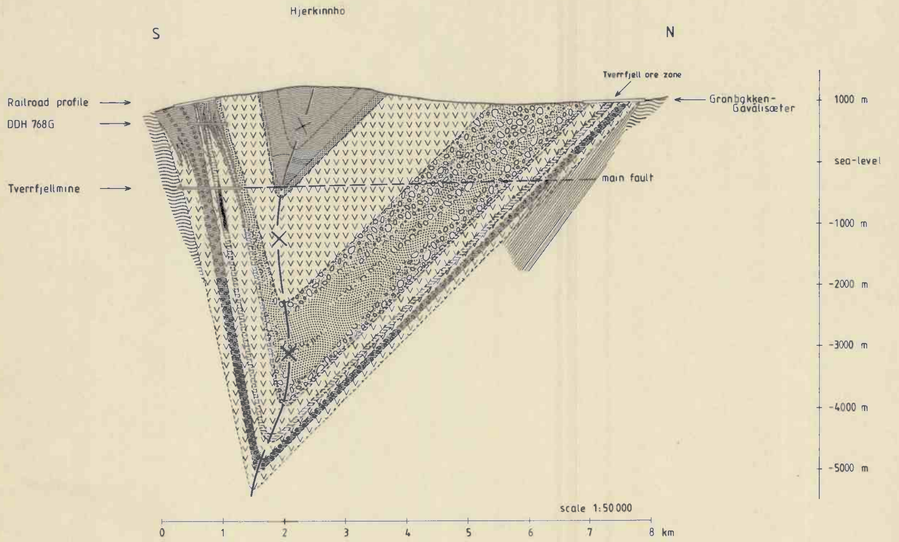

FOLLDAL VERK A/S
Tverrfjellet mine
NIVÅ IV MALMSONE IV
Zn-Fordeling
Tegnforklaring
Sidebergart
MALMSONE IV
0.7% Zn
0.07-0.2% Zn
0.2-0.6% Zn
0.6-1.0% Zn
1.0-1.5% Zn
>1.5% Zn
Kisprøver
010.006.32.4 (Cu,Zn,S)
Y+400
Y+360
Y+320
Y+280
Y+240
Y+200
Y+160
Y+120
Y+80
Y+40
X+80
X+40
X±0
X÷40
N

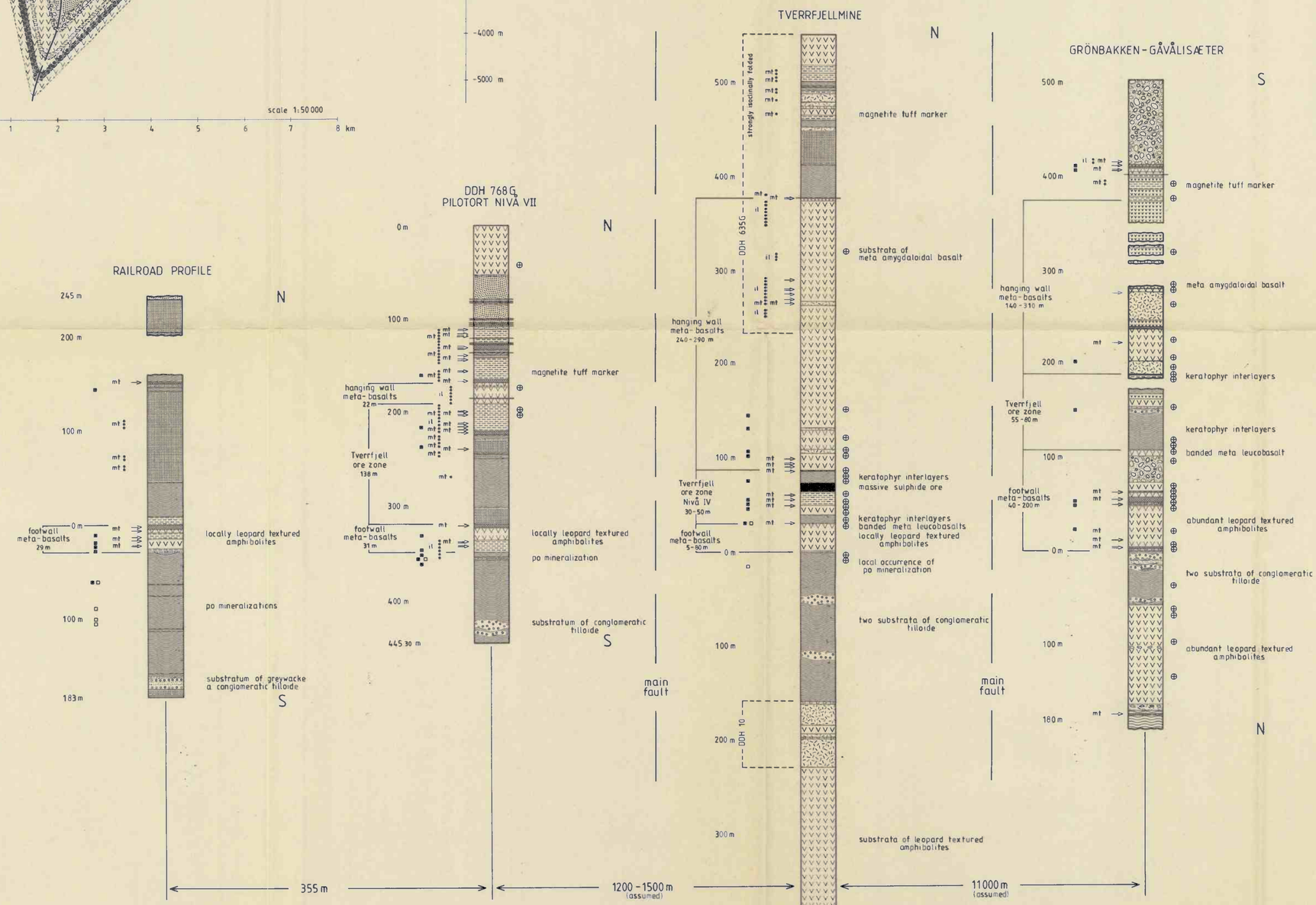

Y+400
Y+360
Y+320
Y+280
Y+240
Y+200
Y+160
Y+120
Y+80
Y+40
X + 80
X + 40
X ± 0
X - 40
Malmsone V
N
TEGNFORKLARING
Sidebergarter
Malmsone IV
Kis med < 0.01 % Cu
0.01-0.2%Cu
0.2-0.6%Cu
0.6-1.0%Cu
1.0-1.5%Cu
FOLLDAL VERK A/S
Tverrfjellet mine
NIVÅ IV MALMSONE IV
Cu - Fordeling


Y+400
Y+360
Y+320
Y+280
Y+240
Y+200
Y+160
Y+120
Y+80
Y+40
X+80
X+40
X±0
X+40
MALMSONE V
MALMSONE IV
MALMSONE III
MALMSONE II
MALMSONE I
N
TEGNEFORKLARING
Sidebergarter
Kis
Kis mer < 0,05% Zn
0,05-0,2% Zn
0,2-0,6% Zn
0,6-1,0% Zn
1,0-1,5% Zn
> 1,5% Zn
Kisgrenser (Cu, Zn, S)
FOLLDAL VERK A/S
Tverrfjellet mine
Nivå IV Malmsone IV-V
Zn-Fordeling


Y+400
Y+360
Y+320
Y+280
Y+240
Y+200
Y+160
Y+120
Y+80
Y+40
X+80
X+40
X±0
X+40
N
MALMSONE II
MALMSONE III
MALMSONE IV
TEGNEFORKLARING
Sidebergarter
Kis
Kis med <0.05% Cu
0.01-0.2% Cu
0.2-0.6% Cu
0.6-1.0% Cu
1.0-1.5% Cu
>1.5% Cu
Sjakter (Cu, Zn, S)
FOLLDAL VERK A/S
Tverrfjellet mine
Nivå IV Malmsone IV-V
Cu-Fordeling


Y+400
Y+360
Y+320
Y+280
Y+240
Y+200
Y+160
Y+120
Y+80
Y+40
X÷80
X÷40
X±0
X+40
MALMSONE V
MALMSONE IV
TEGNEFORKLARING
Sidebergarter
Kis
Kis med < 3% S
3-10% S
10-20% S
20-30% S
30-40% S
> 40% S
Kisprøver (Cu, Zn, S)
0.10, 0.06, 32.4
FOLLDAL VERK A/S
Tverrfjellet mine
Nivå IV Malmsone IV+V
S-Fordeling





LEGEND

LITHOLOGY

- amphibolite, plagioclase amphibolite (meta basalt flow)
- mica-bear. amphibolite, plagioclase amphibolite fragmental volcanic rock (supp meta basic lapilli tuff a agglomerate)
- mica-rich epidote amphibolite fragmental volcanic rock (meta hyaloclastite)
- banded amphibolite (meta mafic tuff)
- banded amphibolite, amphibole-qtz-fspar rock, calcareous mica schist, calcareous mica-rich qtz-fspar gneiss/schist (meta mafic a felsic tuffs, tuffites a epiclastic sediments)
- (calcareous) biotite-chlorite schist fragmental rock, clasts of amphibolite, vesiculated amphibolite a amphibole-qtz-fspar rock (supp meta subaqueous lahar of dominately volcanic-derived material)
- calcareous epidote-biotite-chlorite schist, calcareous epidote-biotite-sericite schist (meta mafic volcanic sediment with epiclastic sedimentary impurity, supp. distal facies of subaqueous debris flow/lahar)
- quartzite, magnetite quartzite (meta chert)
- quartzite, mica-banded quartzite (meta quartz arenite, supp related to turbidity currents)
- chlorite-bear. biotite-sericite schist, amphibole garbenschist (meta pelitic sediment)
- calcareous mica schist, amphibole-bear. mica schist (meta conglomeratic tilloide a. meta greywacke)
- quartz phyllite, biotite-sericite schist (meta pelitic sediment)

GEOLOGY

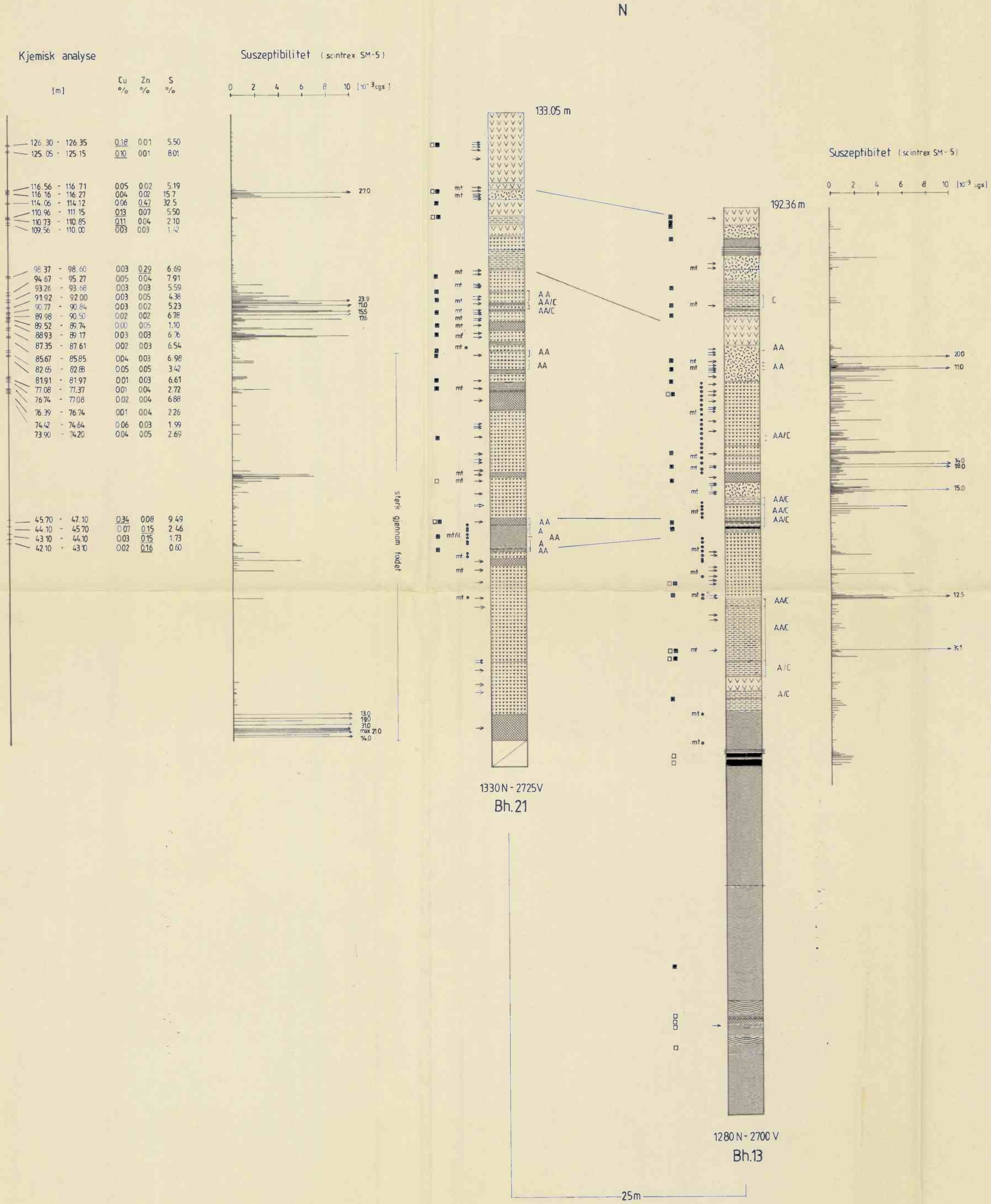
- geological boundary (sharp, gradational)
- fault
- occurrence of pyrite, pyrrhotite
- occurrence of magnetite, ilmenite
- scattered crystals of magnetite, ilmenite
- chert layer
- chert layer with magnetite
- G occurrence of graphite
- chemical analysis

FOLLDAL VERK A/S

HJERKINN PROJECT

CORRELATION OF LITHOLOGICAL PROFILES FROM WEST AND EAST OF THE MAIN FAULT

Feb. 1986 | Scale 1:2500 | F.D Priesemann

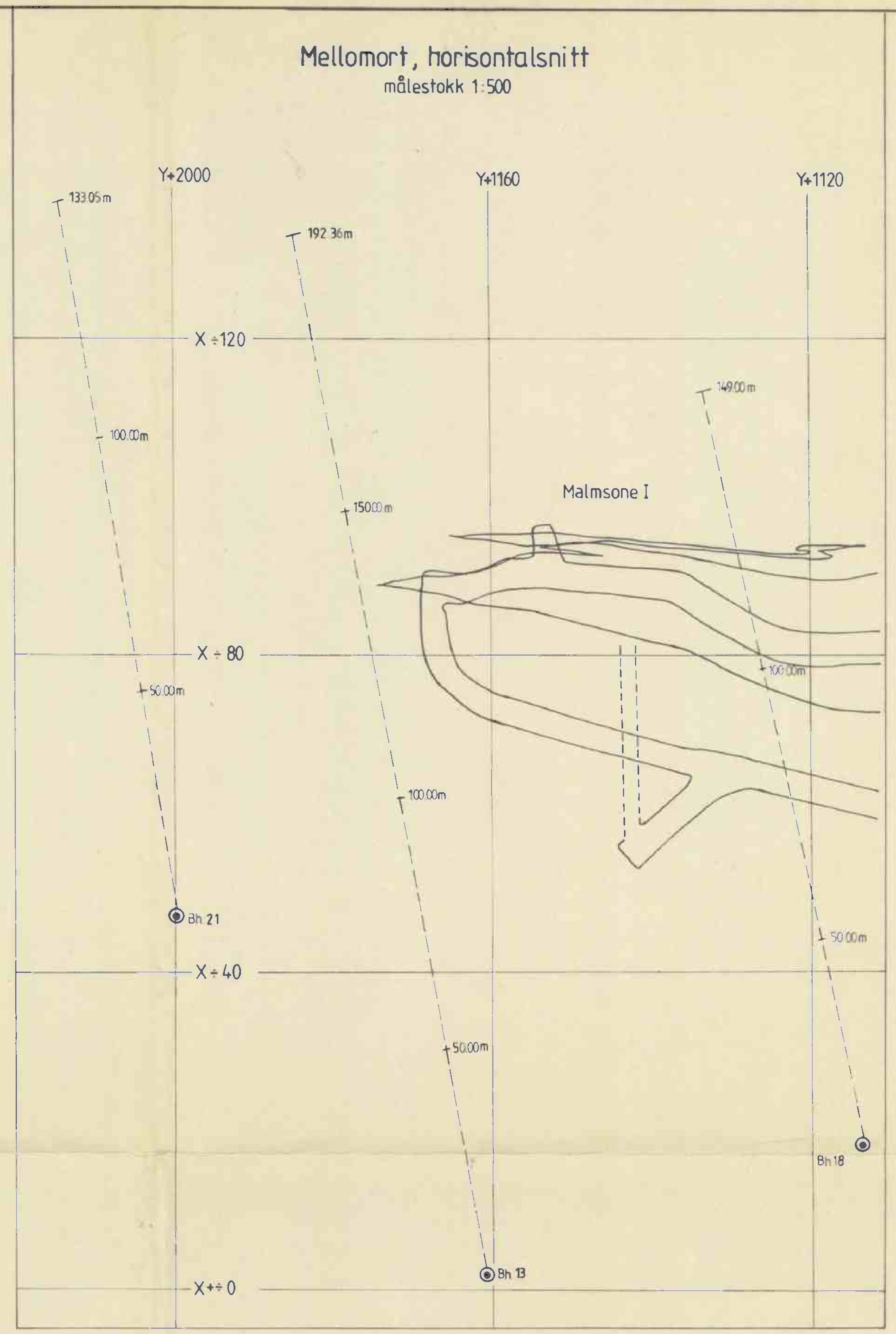


Kjemisk analyse – Bh. 21

[m]	Cu %	Zn %	S %
126.30 - 126.35	0.18	0.01	5.50
125.05 - 125.15	0.10	0.01	8.01
116.56 - 116.71	0.05	0.02	5.19
116.16 - 116.27	0.04	0.02	15.7
114.06 - 114.12	0.06	0.47	32.5
110.96 - 111.15	0.13	0.07	5.50
110.73 - 110.85	0.11	0.04	2.10
109.56 - 110.00	0.03	0.03	1.42
98.37 - 98.60	0.03	0.29	6.69
94.67 - 95.27	0.05	0.04	7.91
93.26 - 93.68	0.03	0.03	5.59
91.92 - 92.00	0.03	0.05	4.38
90.77 - 90.84	0.03	0.02	5.23
89.98 - 90.50	0.02	0.02	6.78
89.52 - 89.74	0.00	0.05	1.10
88.93 - 89.17	0.03	0.03	6.76
87.35 - 87.61	0.02	0.03	6.54
85.67 - 85.85	0.04	0.03	6.98
82.65 - 82.88	0.05	0.05	3.42
81.91 - 81.97	0.01	0.03	6.61
77.08 - 77.37	0.01	0.04	2.72
76.74 - 77.08	0.02	0.04	6.88
76.39 - 76.74	0.01	0.04	2.26
74.42 - 74.64	0.06	0.03	1.99
73.90 - 74.20	0.04	0.05	2.69
45.70 - 47.10	0.34	0.08	9.49
44.10 - 45.70	0.07	0.15	2.46
43.10 - 44.10	0.03	0.15	1.73
42.10 - 43.10	0.02	0.16	0.60

Kjemisk analyse – Bh. 13

[m]	Cu %	Zn %	S %
188.23 - 188.69	0.06	0.03	15.1
174.32 - 174.43	0.04	0.02	9.34
171.44 - 171.52	0.03	0.02	12.1
169.30 - 169.68	0.13	0.22	3.80
140.00 - 140.35	0.04	0.02	7.10
135.60 - 136.17	0.04	0.03	0.26
135.09 - 135.39	0.03	0.05	2.02
134.65 - 135.09	0.03	0.03	6.32
124.66 - 125.15	0.47	0.11	12.4
124.25 - 124.66	0.63	0.81	25.7
76.00 - 76.80	0.02	0.04	12.2
75.00 - 76.00	0.02	0.02	19.3
74.00 - 75.00	0.02	0.02	20.0



TEGNFORKLARING

LITOLOGI

- amfibolitt, amfibol skifer (meta basaltisk lavastrøm)
- båndet amfibolitt (meta mafisk tuff)
- amfibol-kloritt skifer, biotitt-kloritt skifer (meta basaltisk vulkanitt)
- karbonat-rik biotitt-serisitt skifer, karbonat-rik biotitt-serisitt-kloritt skifer (meta tuff, - tuffitter)
- (karbonat-rik) biotitt-serisitt skifer (meta pelitisk sediment)
- amfibol-serisitt skifer (garbenskifer) (meta pelitisk sediment)
- kvartsitt, magnetitt-kvartsitt (meta ekshalitt)
- sulfidisk malm

GEOLOGI

- bergartsgrense (skarp, uskarp)
- forkastning
- ■ □ mineralisering av pyritt, pyrrhotitt
- il mt mineralisering av magnetitt, ilmenitt
- il mt spredte krystaller av ilmenitt, magnetitt
- → chert horisont
- mt → chert horisont med magnetitt
- A svak hydrotermal omvandling
- AA sterk hydrotermal omvandling
- C karbonatisering

FOLLDAL VERK A/S

HJERKINN - PROSJEKT

TVERRFJELLET GRUVE

LITOLOGISKE PROFILER

Borhull 13 og 21

Utgående av malmen i vest

Date: 24.11.1986 | Scale | F.D. Priesemann