



Bergvesenet

Postboks 3021, N-7441 Trondheim

Rapportarkivet

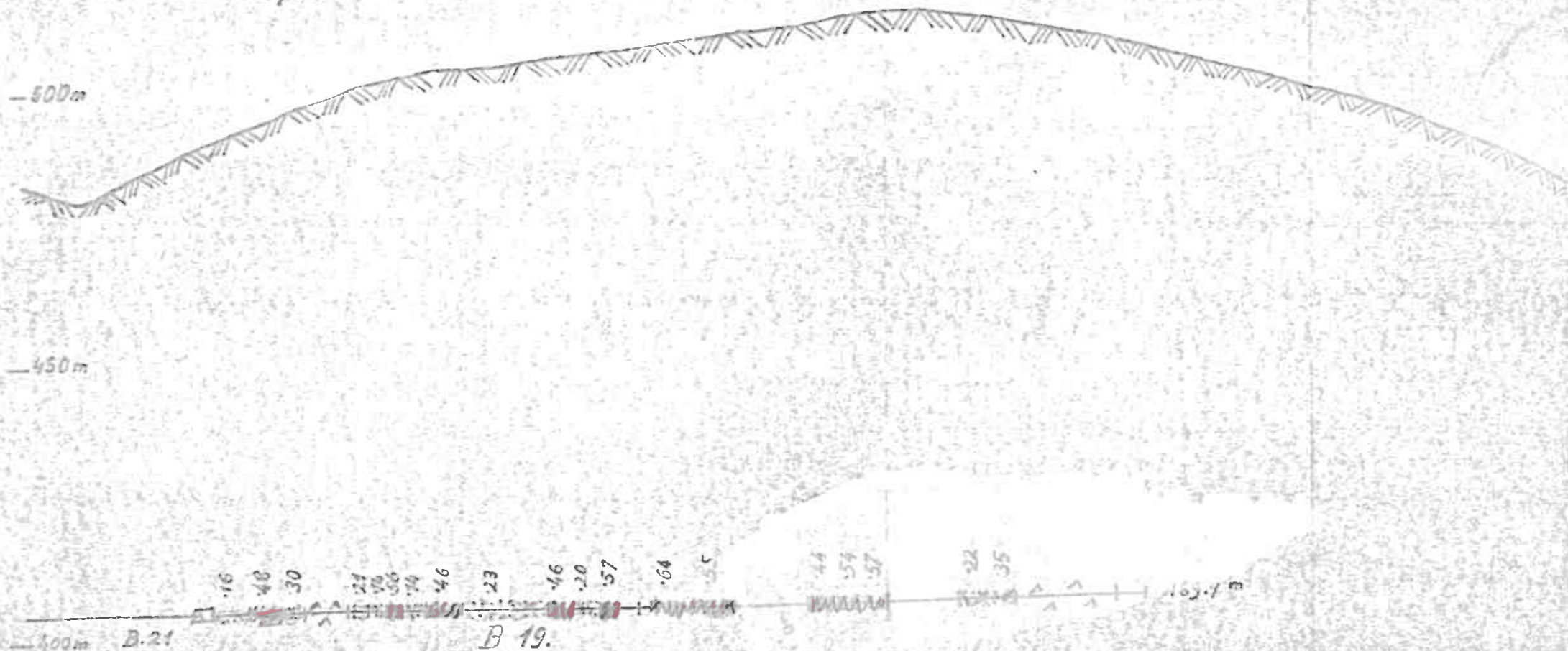
Bergvesenet rapport nr 6442	Intern Journal nr	Internt arkiv nr	Rapport lokalisering	Gradering
Kommer fra ..arkiv Nordlandske	Ekstern rapport nr	Oversendt fra	Fortrolig pga	Fortrolig fra dato:
Tittel Mappe med delvis håndtegnede tolkninger av gamle borhullsdata.				
Forfatter Karl Ingvaldsen		Dato: År	Bedrift (oppdragsgiver og/eller oppdragstaker)	
Kommune Ballangen	Fylke Nordland	Bergdistrikt	1: 50 000 kartblad 13311	1: 250 000 kartblad
Fagområde Boring	Dokument type	Forekomster (forekomst, gruvefelt, undersøkelsesfelt) Råna Bruvann		
Råstoffgruppe Malm/metall	Råstofftype Ni			
Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse Mappe med delvis håndtegnede tolkninger av gamle borhullsdata, de eldste fra siste verdenskrig. Tolkningene er ikke datert, men noen av dem er signert Karl Ingvaldsen				

Råna

Råna.

Profil durch die Bohrungen 19 und 21.

h.



Chen et al.

1111

100

— Fortsetzung des Stollens



Erstarrte Gesteine

Epistalt-Gesteine

Figure 1. *Staphylococcus aureus* strains used in this study.

2.1.1

1. *Phragmites australis* (Cav.) Trin. ex Steud.

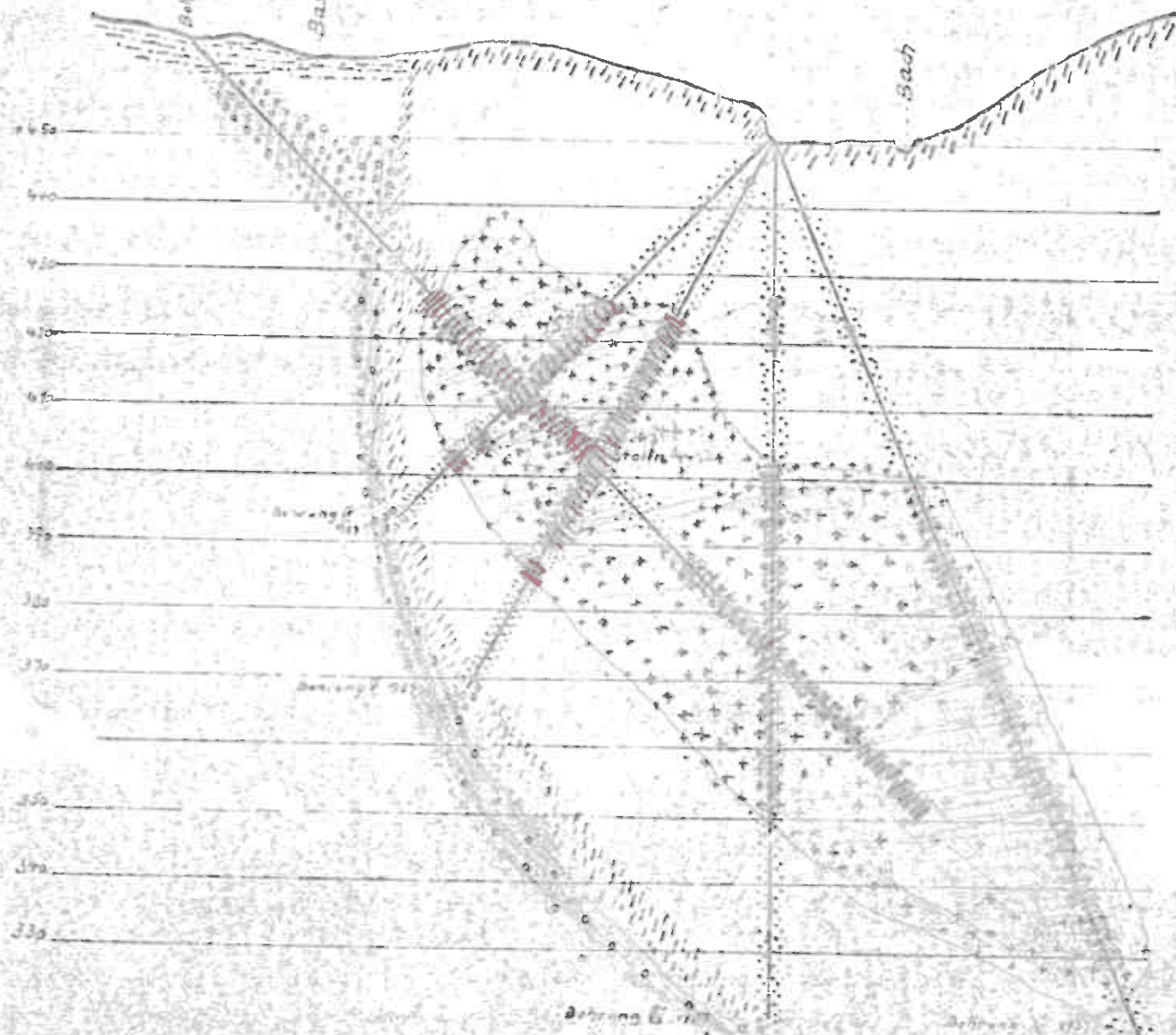
1000

Råna - Nickelvorkommen Profil B

M. 1:1000



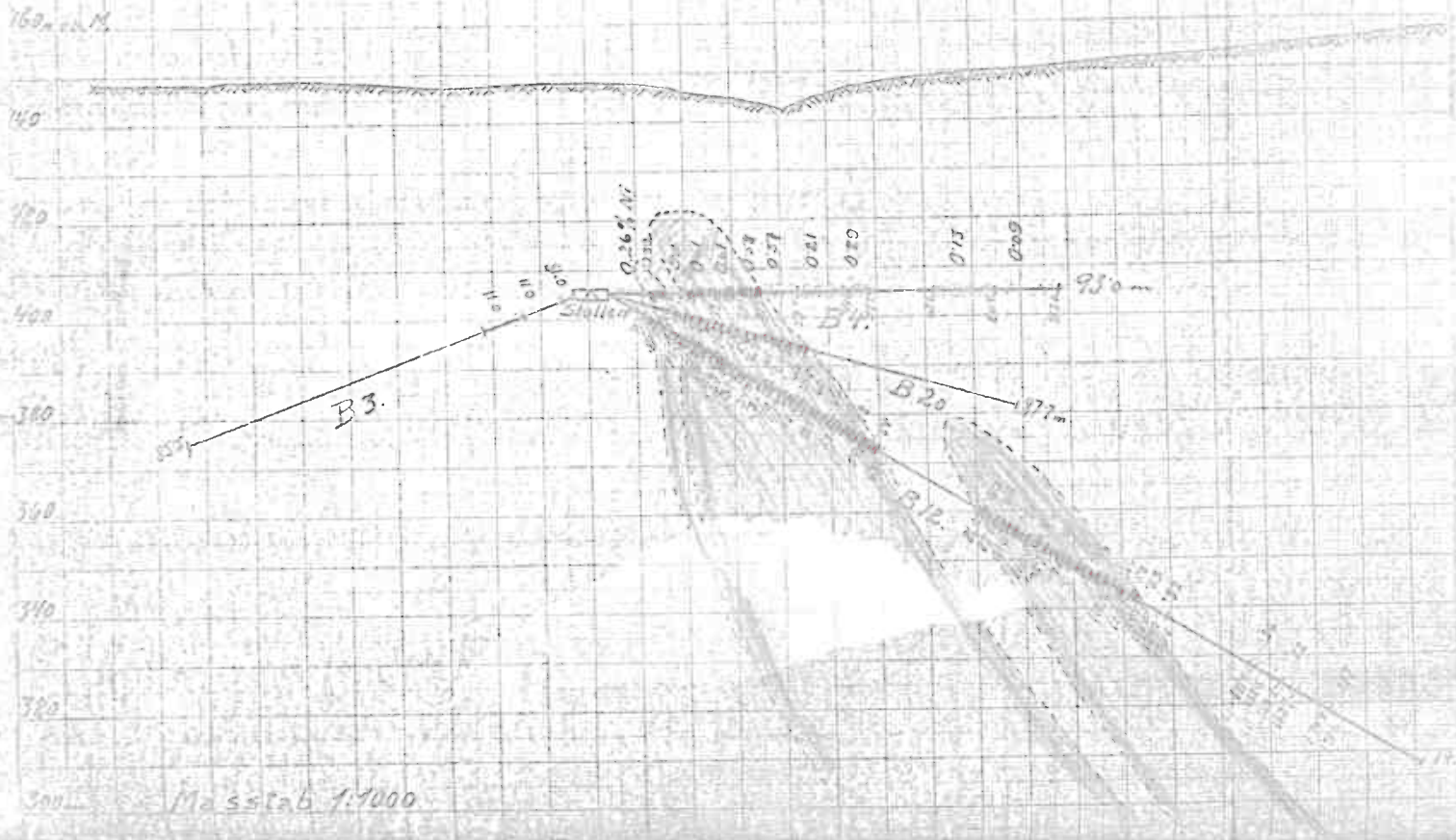
h.



-  Peridotit m. guter Kiesimprägnation
-  Peridotit m. armer Kiesimprägnation
-  Peridotit
-  Olivin-Norit
-  Norit

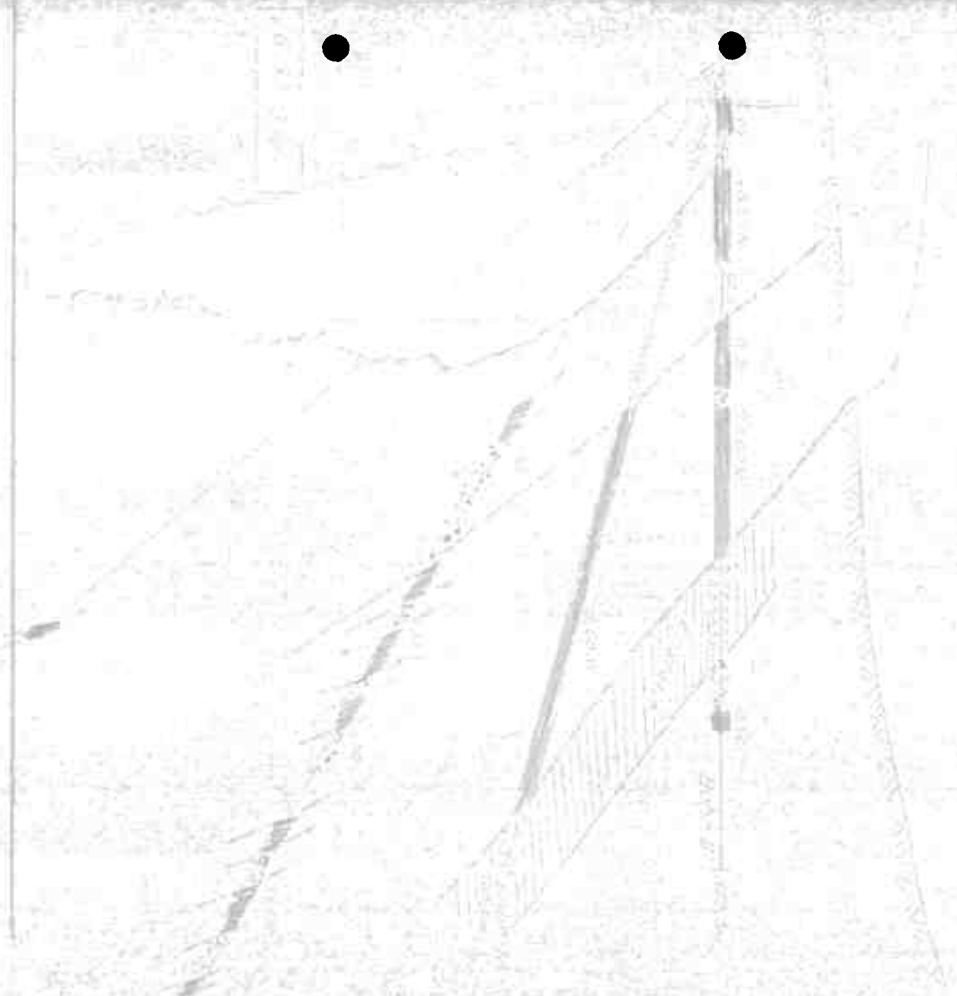
Räna
 Querprofil durch Bohrung 4, 18, 20, 3.

4.



From a sketch of the
ground conditions on 2.1.19.19.

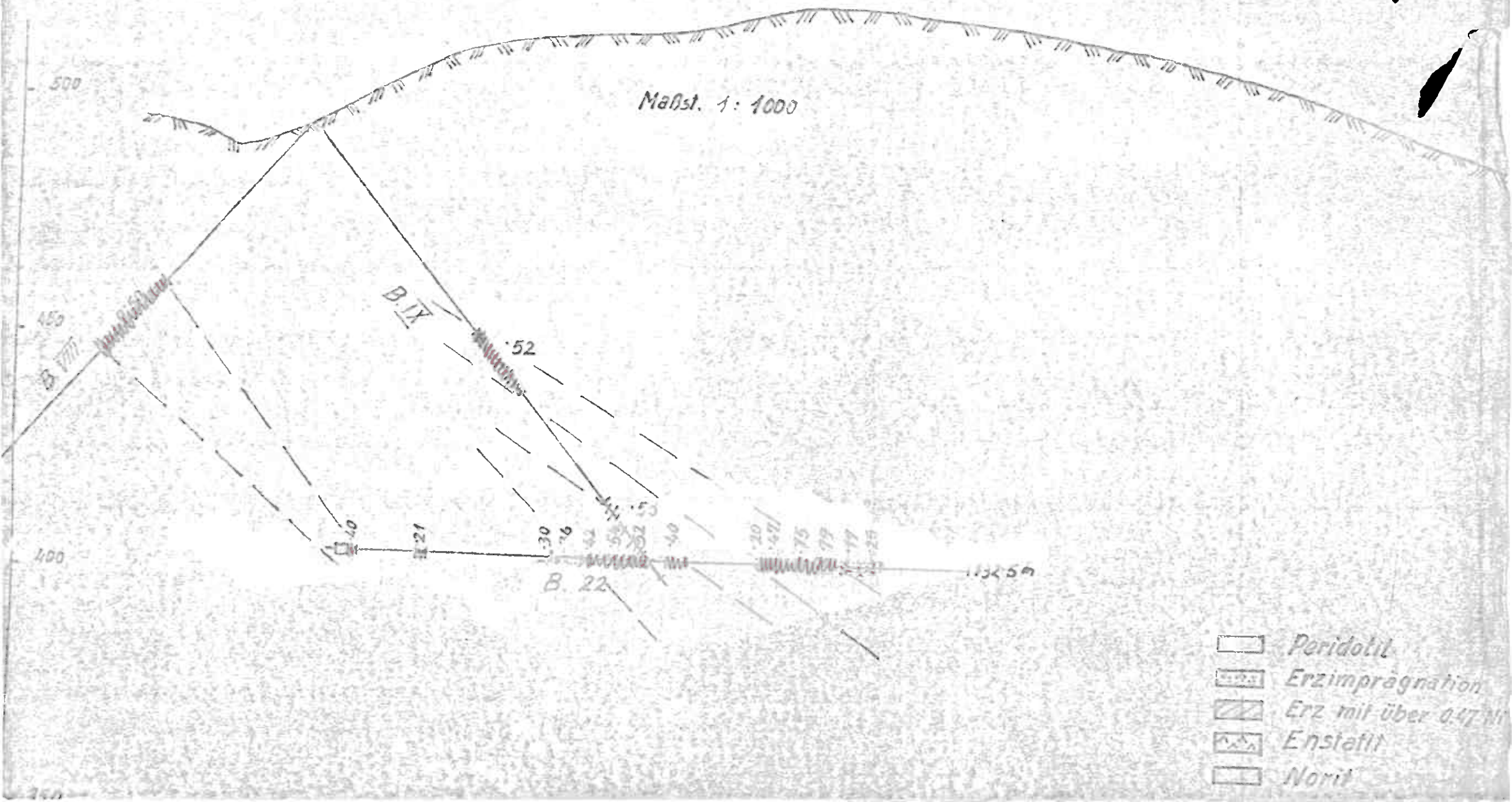
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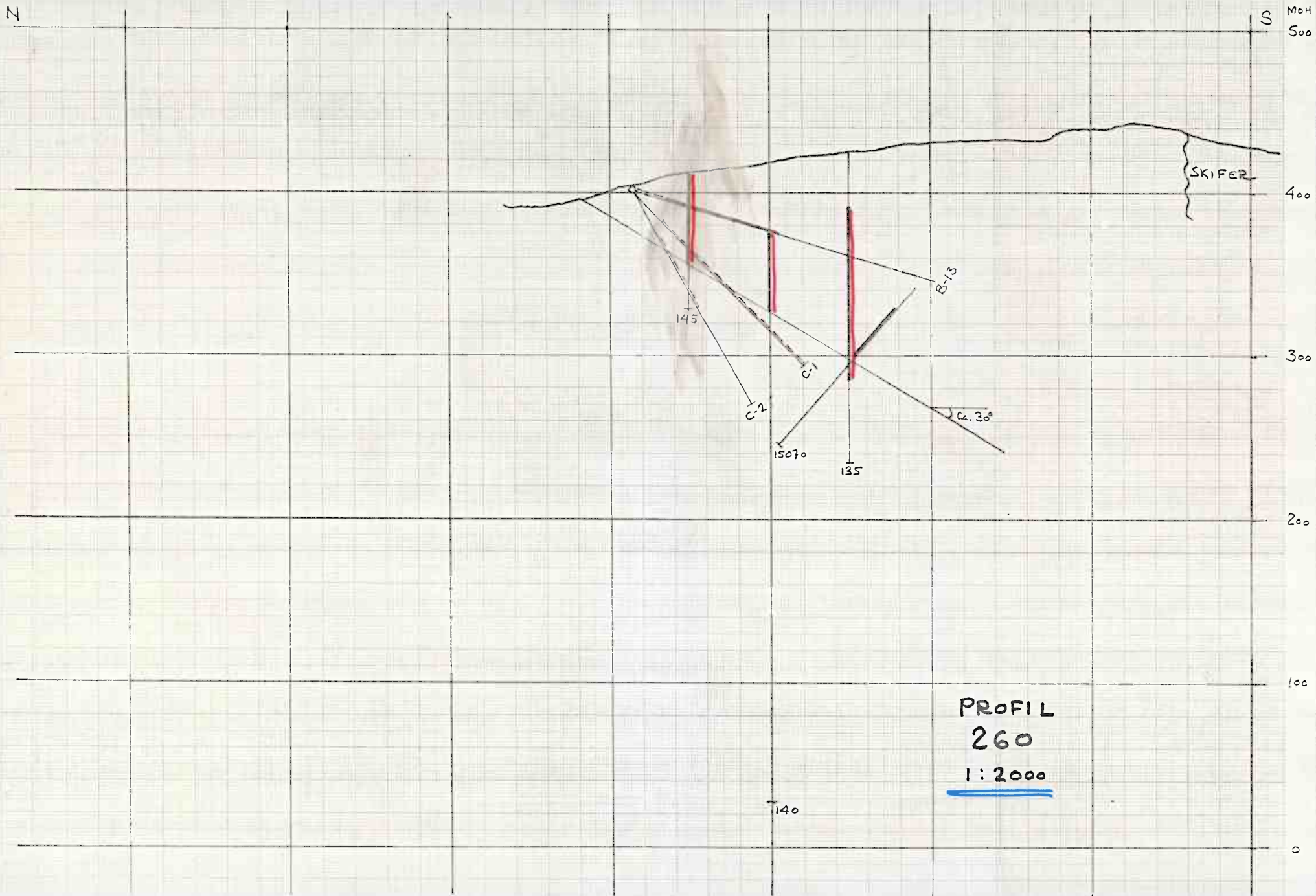


Råna

Querprofil durch Bohrung 22, VIII, IX.

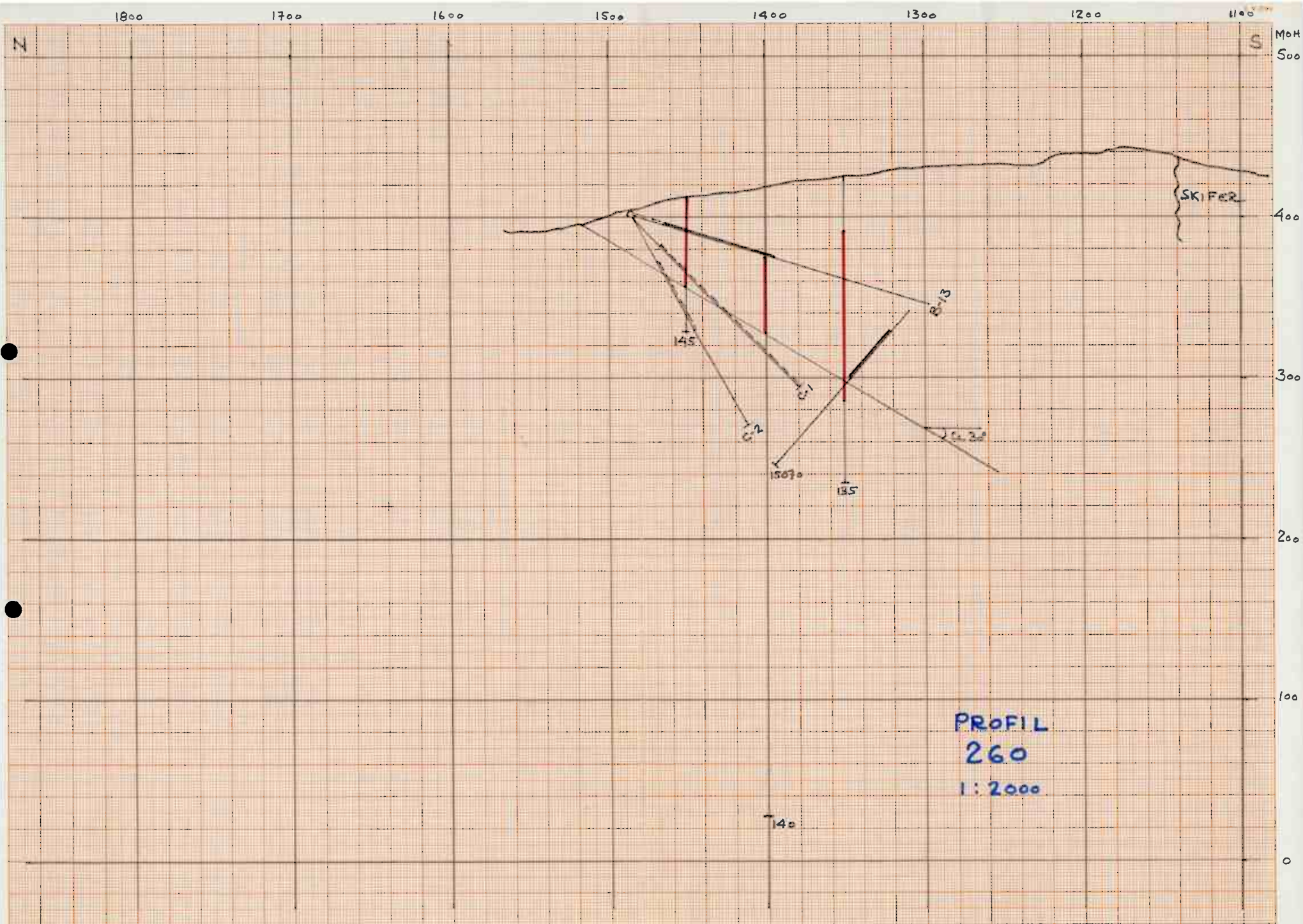
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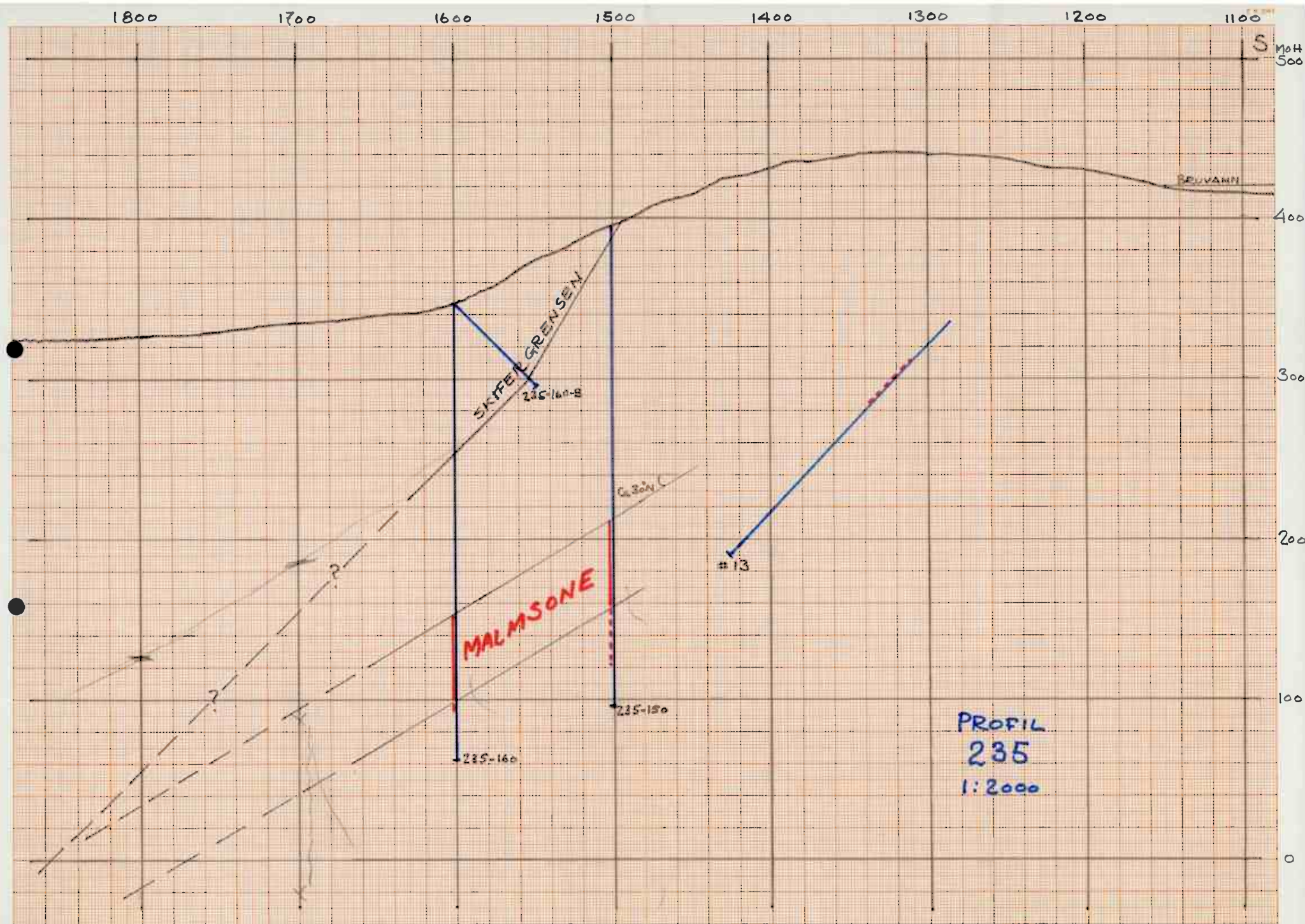


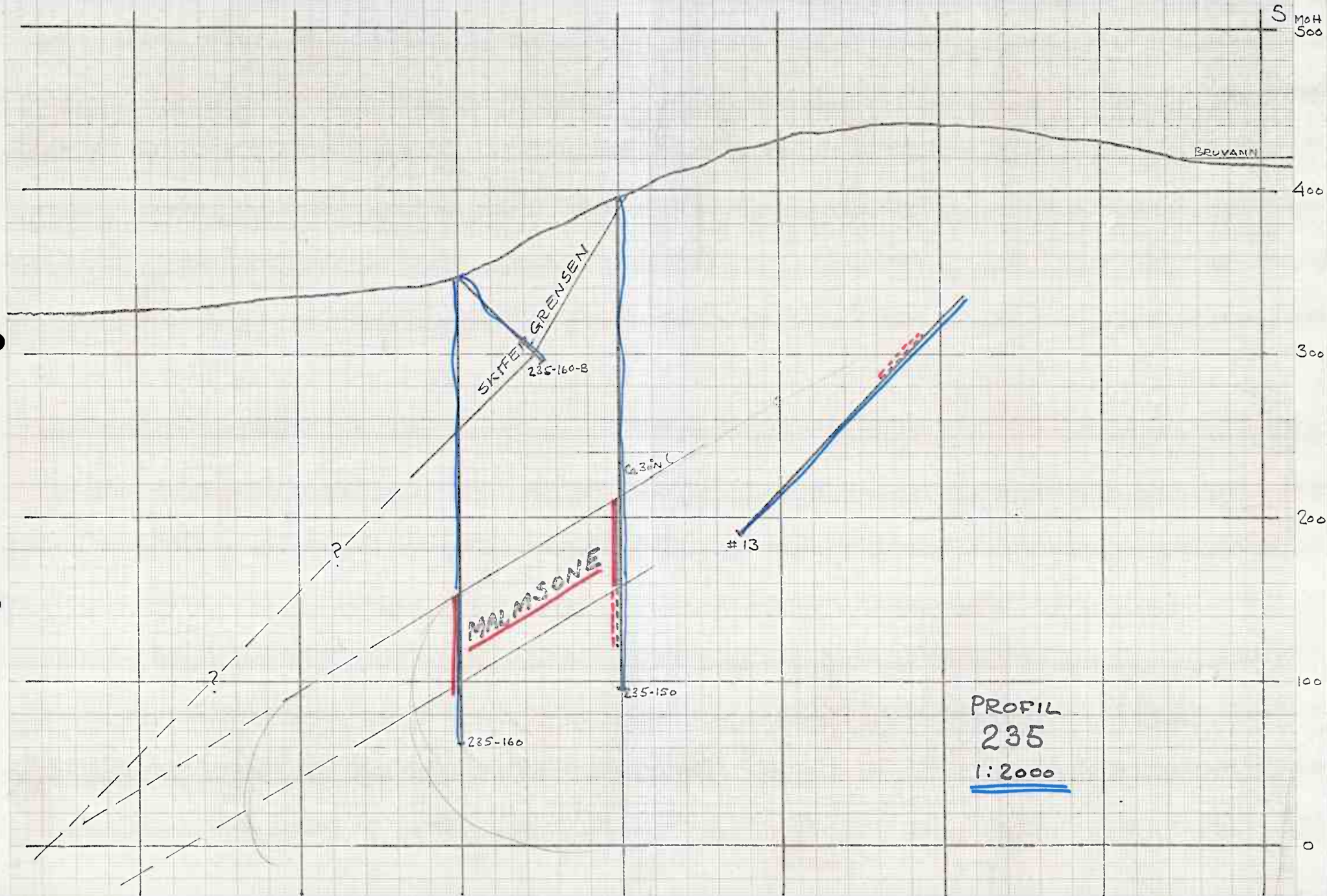


PROFIL
260
1:2000

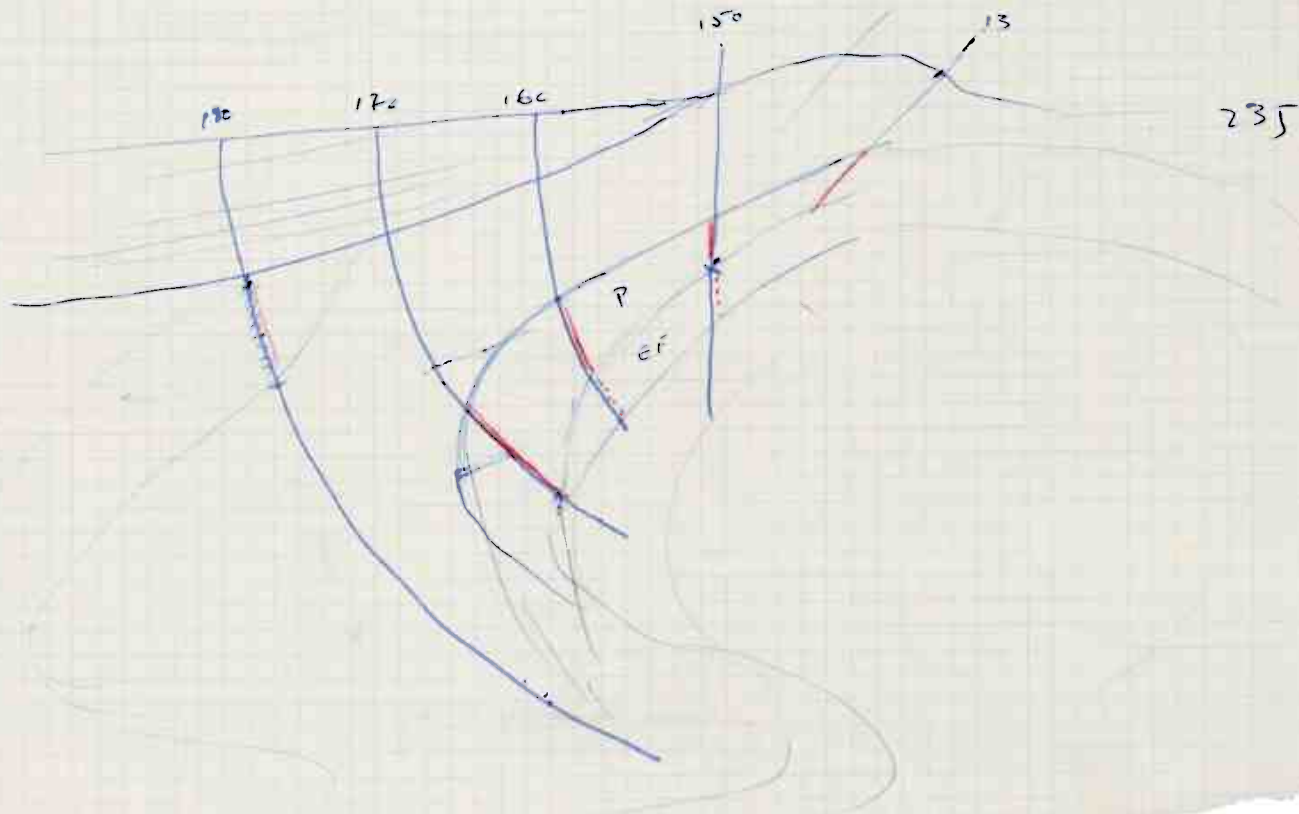
140



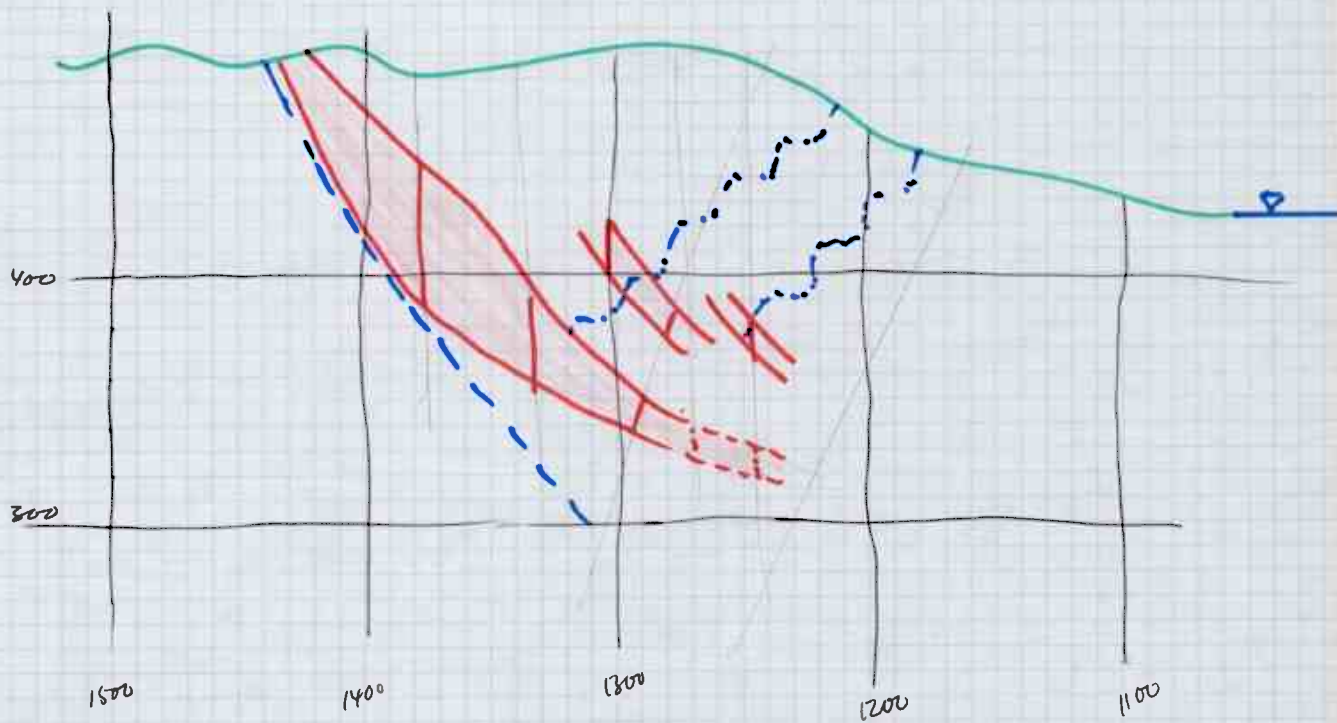




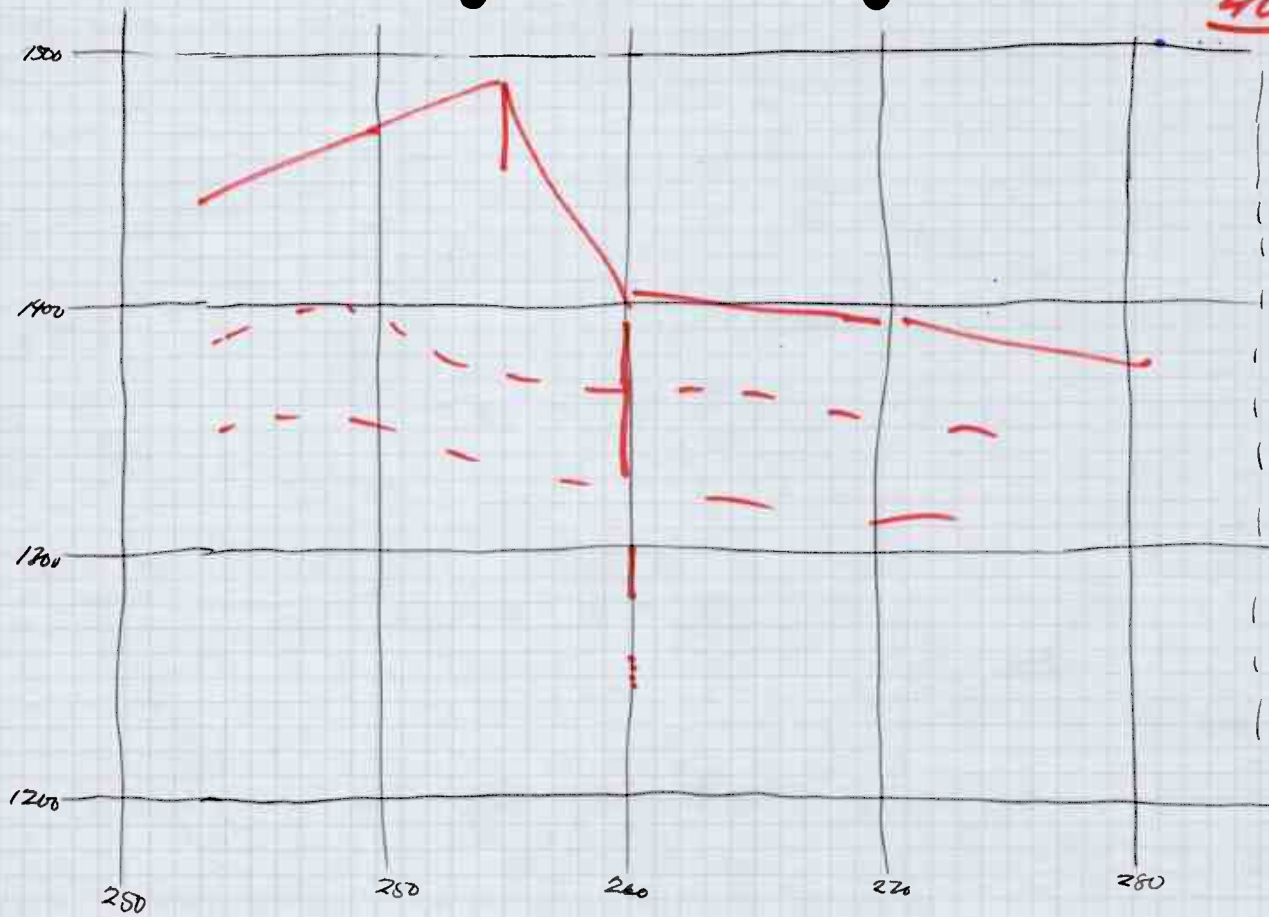
COU
SKISSE RA'NA 1972
Byp malmu

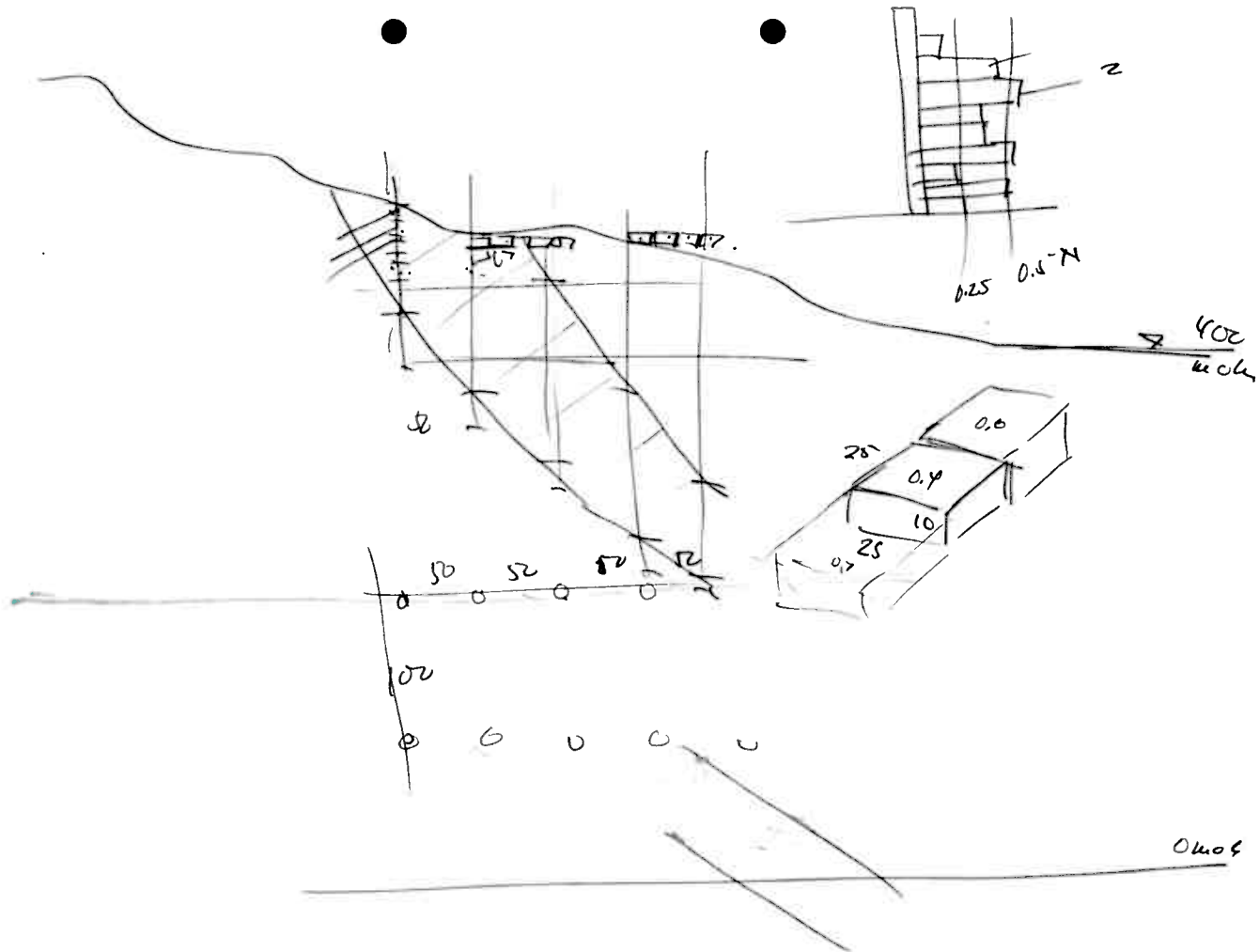


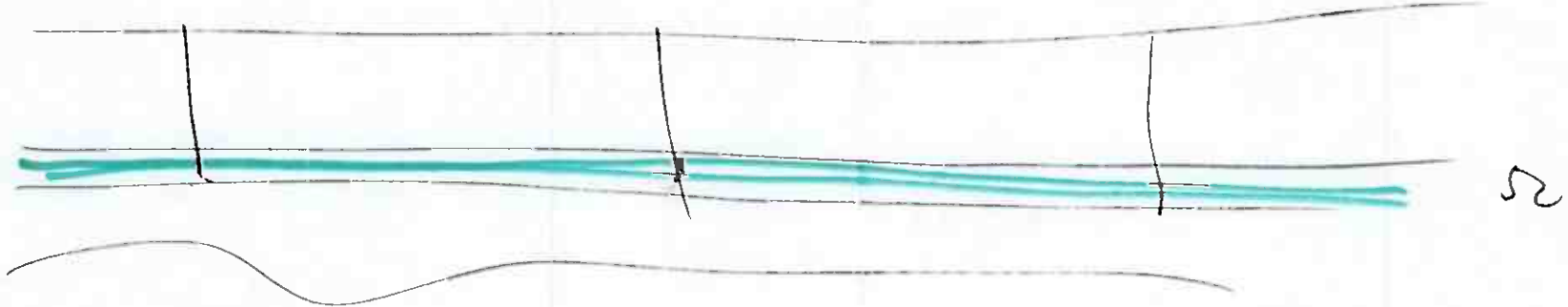
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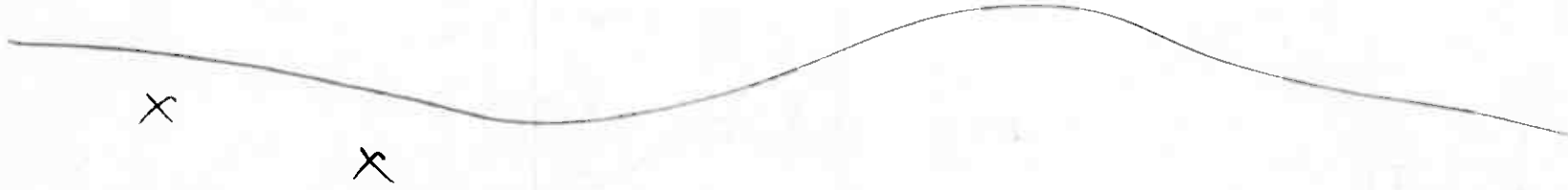
400







Vardings Trykkeri - Sarpsborg



BORHULL 18

[illegible]

BORHULL 20

ØVRE GRENSE	ILLOST ILLOST	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
METER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
264	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
266	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
268	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
270	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
272	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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276	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
278	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
280	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
282	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
284	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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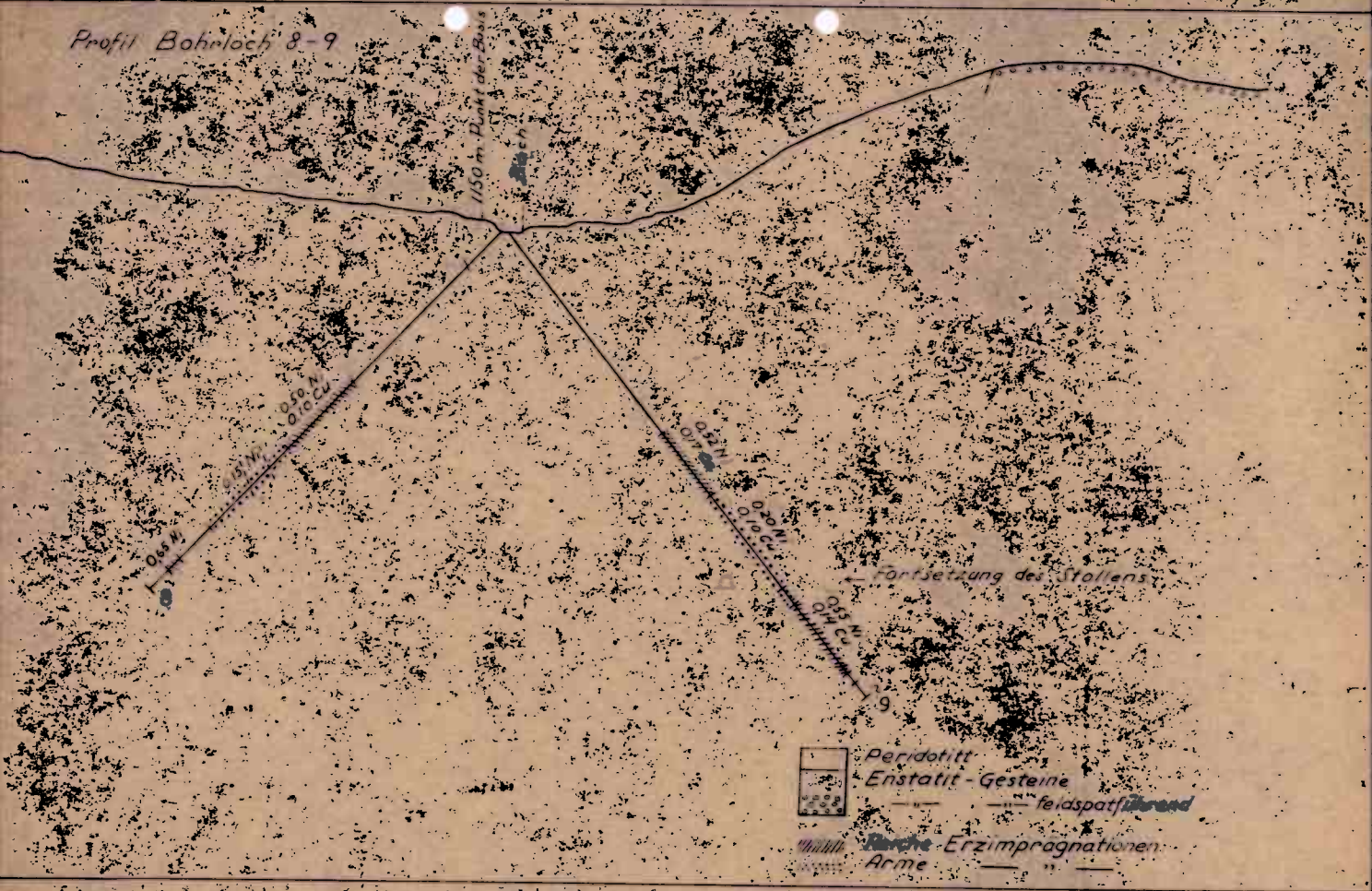
SKALAMÅKET DELT I 10 INTERVALLER, ØVRE GRENSE FOR INTERVALLET TILHØRER INTERVALLET.

* : KONSENTRASJONEN HJØRNE LUN GALEAPPARATØRENS HJØRNE SK. FØRRE

BLANKT FELT : HANGLENDE HÅLING

PP. DD : SKALAEN ER SPRENGT. PP. DD ANGIR KONSENTRASJONEN.

Profil Bohrloch 8-9



5.

m.o.h.
500

400

300

200

BRUVANNSFELTET

PROFIL 230

M = 1:2000

N

S



1600

1500

1400

1300

1200

1100

N

S

m.o.h.
500

400

300

200

1600

1500

1400

1300

1200

1100



#13

BRUVANNSFELTET

PROFIL 235

M = 1:2000

N

S

m.o.h.
500

400

300

200

1600

1500

1400

1300

1200

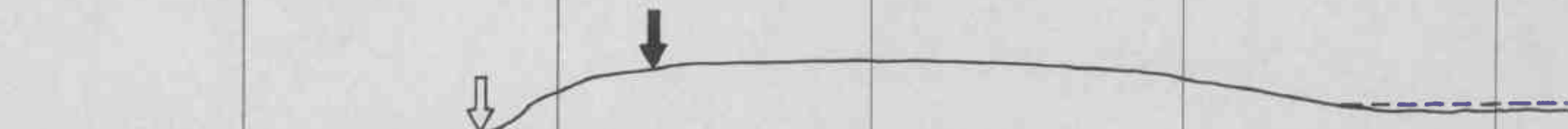
1100

#13

BRUVANNSFELTET

PROFIL 240

M = 1:2000



N

S

m.o.h.
500

400

300

200

1600

1500

1400

1300

1200

1100

BRUVANNSFELTET

PROFIL 245

M = 1:2000

N

S

m.o.h.
500

400

300

200



C 6

C 5

16

BRUVANNSFELTET

PROFIL 250

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.

500

400

300

200



C6

C5

BRUVANNSFELTET

PROFIL 255

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.
500

400

300

200

Skifer

B 13

C 1

C 2

15070

BRUVANNSFELTET

PROFIL 260

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.
500

Skifer

400

300

BRUVANNSFELTET

PROFIL 265

M = 1:2000

200

1600

1500

1400

1300

1200

1100

D1

D2

B 26

B 29

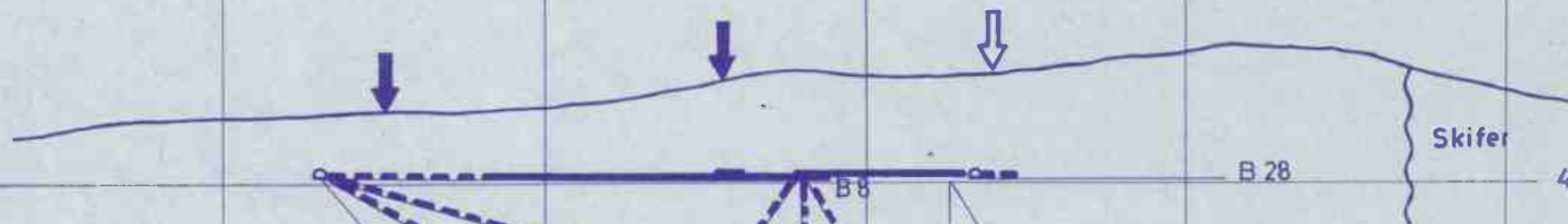
B 18

B 8

B 9

B 28

B 27



N

S

m.o.h.
500

400

300

200

Skifer

B 2

B 1

B 31

C 3

BRUVANNSFELTET

PROFIL 270

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.
500

400

300

200

Skifer

B3

B4

B20

B31

B12

#15300

C7

BRUVANNSFELTET

PROFIL 275

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.
500

400

300

200

Skifer

B6

B5

D₃

* 15300

BRUVANNSFELTET

PROFIL 280

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.

500

400

300

200

Skifer

B 14

B 16

B 17

16A

B 15

BRUVANNSFELTET

PROFIL 285

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.
500



Ski fer

B 21

B 19

400

300

#17

#16A

BRUVANNSFELTET

PROFIL 290

M • 1:2000

1600

1500

1400

1300

1200

1100

200

N

S

m.o.h.
500

Skifer

B 22

400

#17

300

BRUVANNSFELTET

PROFIL 295

M = 1:2000

200

1600

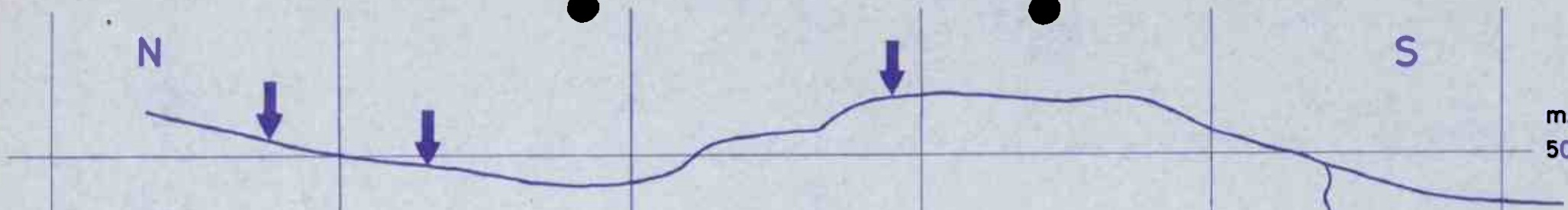
1500

1400

1300

1200

1100



N

S

m.o.h.

500

Skifer

400

300

200

B25

B23

BRUVANNSFELTET

PROFIL 300

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.

500

400

300

200

1600

1500

1400

1300

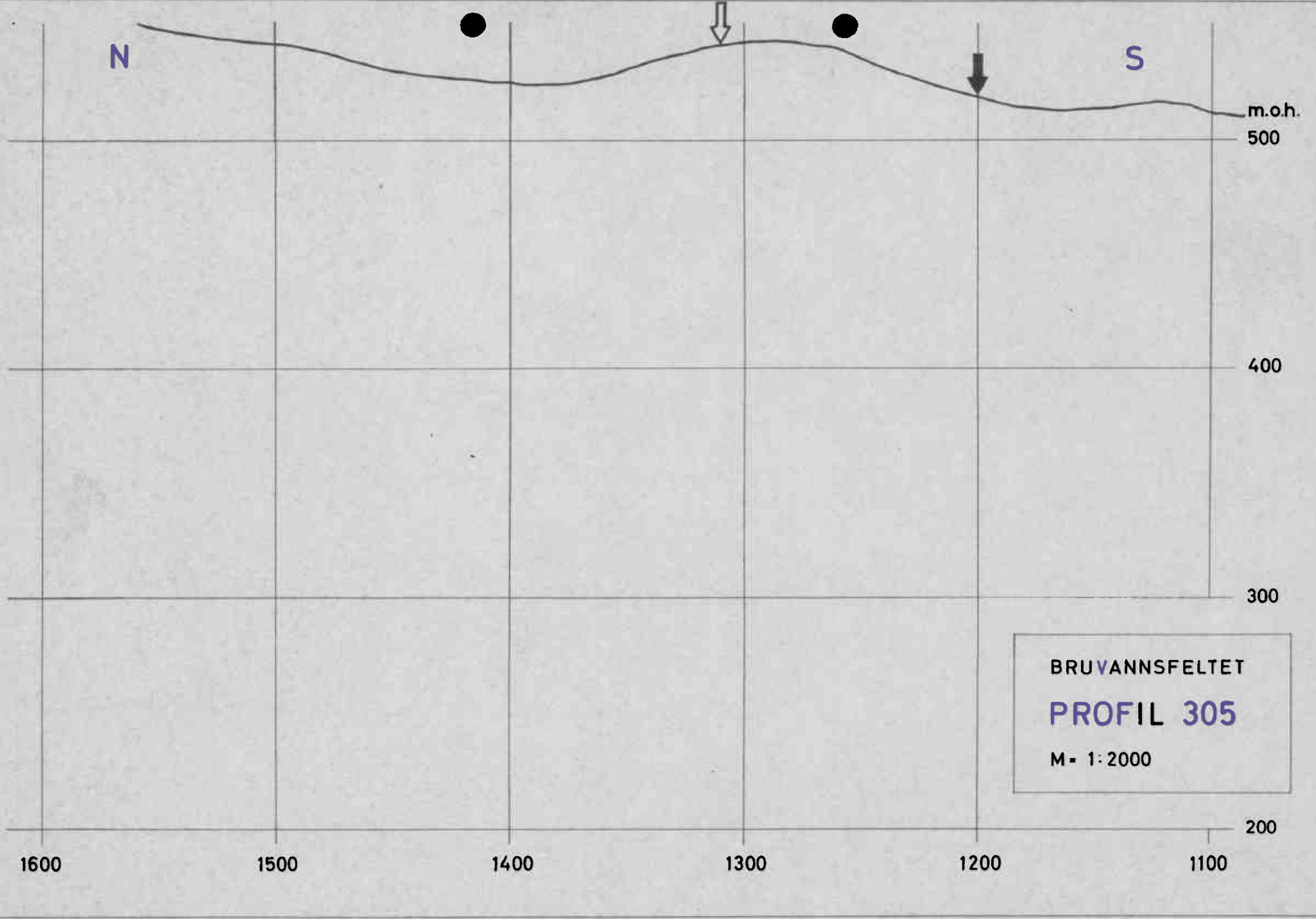
1200

1100

BRUVANNSFELTET

PROFIL 305

M = 1:2000



N

S

m.o.h.

500

400

300

200

1600

1500

1400

1300

1200

1100

BRUVANNSFELTET

PROFIL 310

M = 1:2000

N

S

m.o.h.
500

400

300

200

BRUVANNSFELTET

PROFIL 315

M = 1:2000

1600

1500

1400

1300

1200

1100

N

S

m.o.h.
500

400

300

200

1600

1500

1400

1300

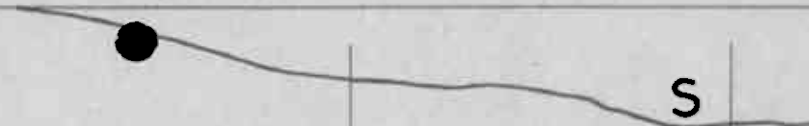
1200

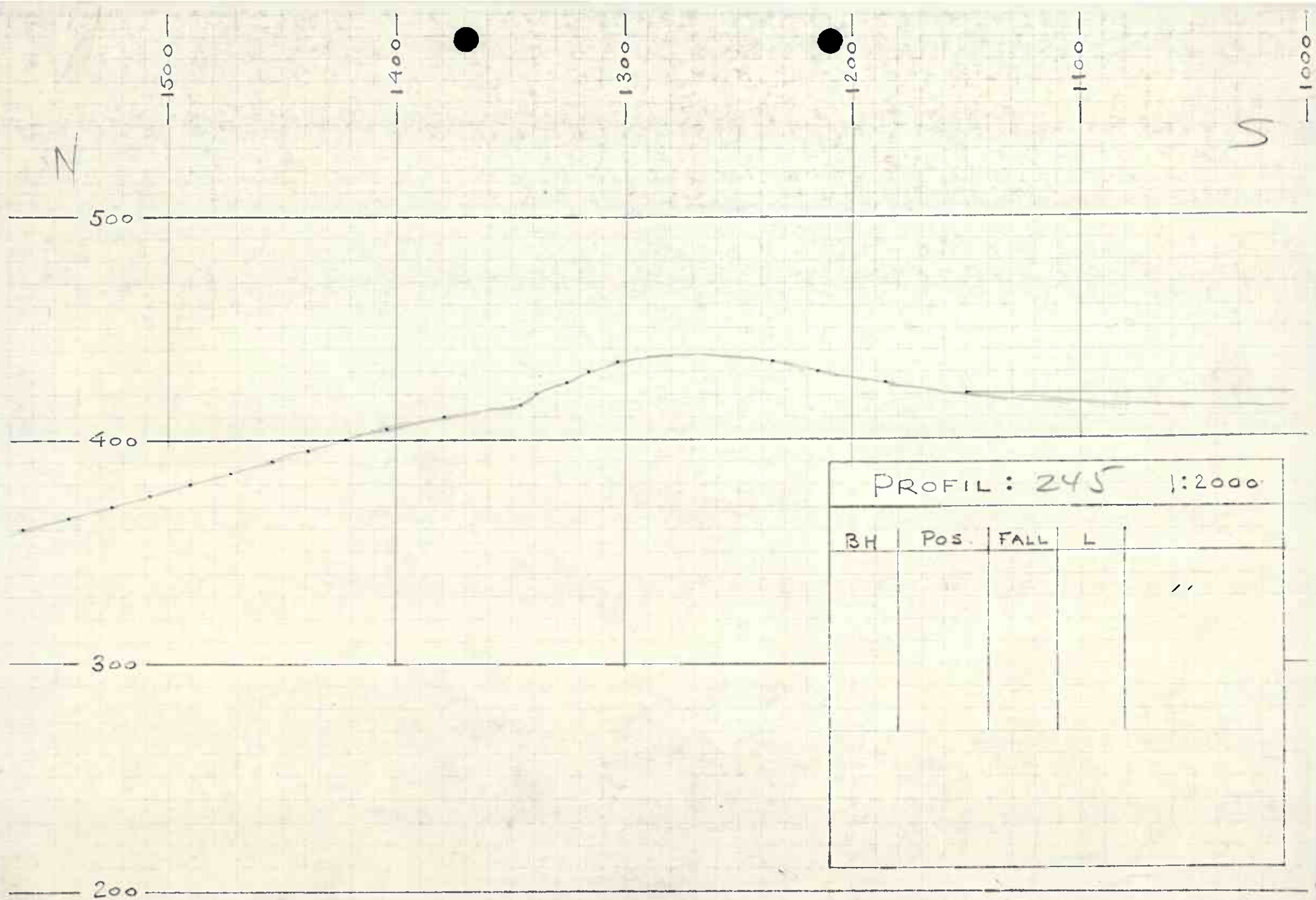
1100

BRUVANNSFELTET

PROFIL 320

M • 1:2000



[illegible]