Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr	Intern Journal nr	Internt arkiv nr	Rapport lokalisering	Gradering
BV 3974	1125/93		Trondheim	**Fortrolig**
Kommer fra ..arkiv	Ekstern rapport nr	Oversendt fra Erkki Kreivi	Fortrolig pga Prospekteringsfondet 1992	Fortrolig fra dato:

Tittel

Pasvik nikkelbelte, Sør-Varanger, Norge.
Rapport av undersøkelse 1992.

Forfatter	Dato	Bedrift
Erkki Kreivi	29.06 1993	Pasvik Malm

Kommune	Fylke	Bergdistrikt	1: 50 000 kartblad	1: 250 000 kartblad
Sør-Varanger	Finnmark	Troms og Finnmark	23332	Kirkenes

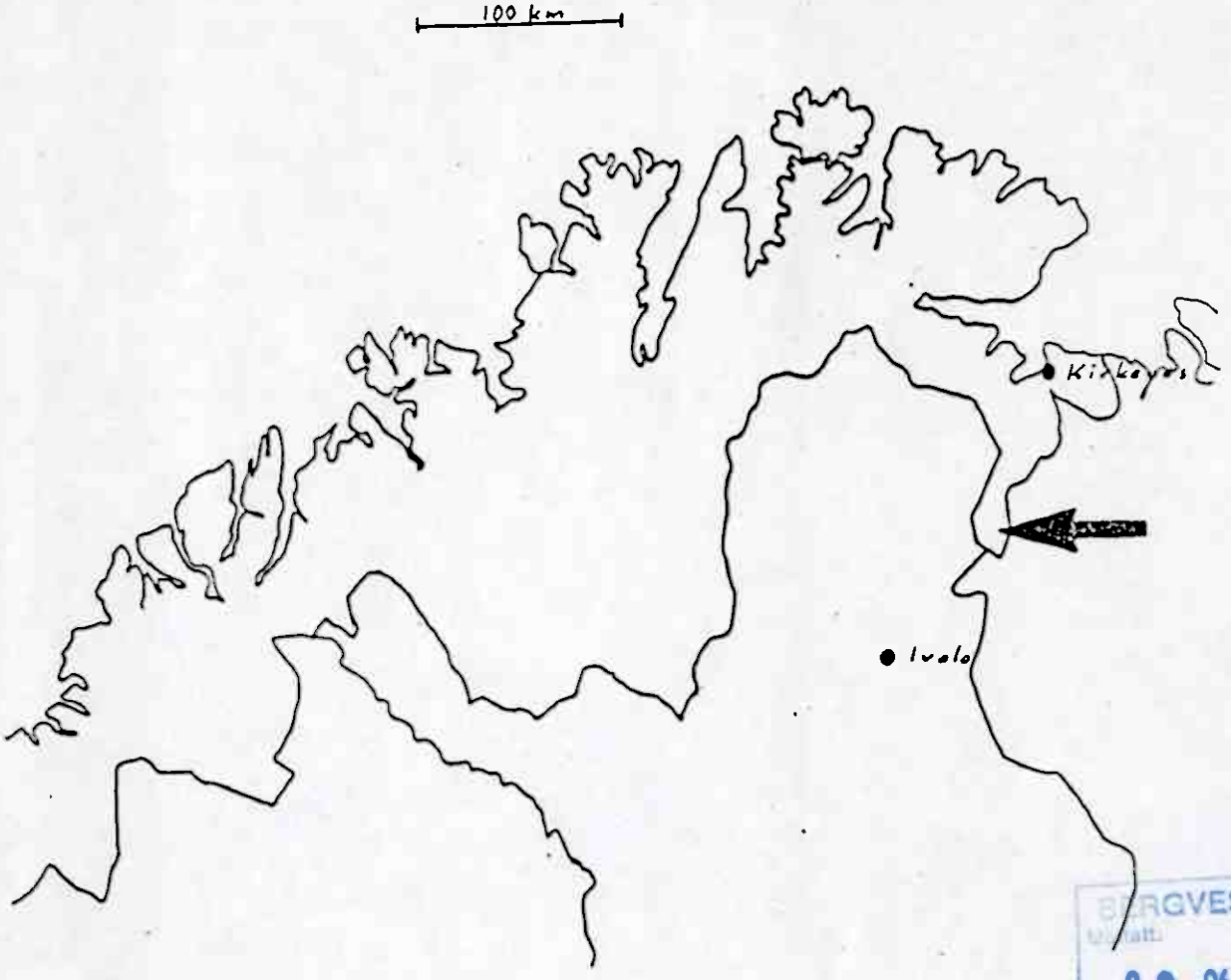
Fagområde	Dokument type	Forekomster
Geofysikk Boring Analyser	Prospekteringsfondet	Rømlingsås
Råstofftype	**Emneord**	
Malm/metall	Ni Cu	

Sammendrag

Rapport av undersøkelse 1992.
Arbeidet er en fortsettelse av prospekteringsarbeidene i 1986, -87, -89 og -90 som var rettet mot å finne kilden for rikmalmsblokkene fra 1977. Målet for prospekteringen i 1992 var objektene nr 3,4, 11, 12, 13, 15, 16, 17, 18, og 19. Det ble boret 253 m fordelt på 12 hull.
Objekt 3, Kenolampi nord for Rømlingsås, ble boret med hullene 1/92, 2/92, 3/92, 4/92.
Objekt 4, Rømlingsås, ble boret med hullet 5/92.
Objekt 19, Blankvann, ble boret med hullet 7/92
Objekt 13, Rømlingsbekken - Tommabekken, ble boret med hullet 8/92
Objekt 6, ble boret med hullene 9/92, 10/92, 11/92, 12/92.

BORKJERNEBESKRIVELSENE MANGLER

Geofysikk ble i tillegg utført på objektene 3 Kenolampi, 4 Rømlingsås, 11 Kenolampi , 12 Rømlingsås S, 13 Rømlingsbekken, 15 og 16 Gjøkåsen, 17 Gjøkbuktmyra, 18 Fjærvann-Nyrud



PASVIK NIKKELBELTE, Sør-Varanger, Norge

Rapport av undersøkelse 1992

Erkki Kreivi

Arbeidsgruppe:

Erkki Kreivi	geolog, geofysiker
Teuvo Pernu	geofysiker, professorassistent
Vladimir Telnov	sjefgeolog i Petsamo

Contents

Please, find the enclosed rapport of prospecting in South Pasvik 1992

Pasi Kuivasmäki

Introduction and conclusion

Enclosed is the report of the geological and geophysical prospecting in 1992. The prospected areas are situating in Øvre Pasvik, Sør-Varanger-kommune, Norway, 5 km W of Nyrud.

The work was the continuation of the prospecting in 1986,1987,1989 and 1990. (See the reports) The prospected targets are 3, 4, 11, 12, 13, 15, 16, 17, 18 and 19. (See the index map)

The base of the prospecting was the nickel-copper-find in ultramafic blocks in 1977. The best blocks were assayed 4,19 % Ni and 1,84 % Cu. One bedrock soarce was located by drilling in 1987 in the target 3. The best assays in drillcore were analyzed 1,55 % Ni and 0,65 % Cu.

In 1990 the soarce was penetrated by three more drill-holes and in 1992 by one more drillhole. The sulphide-impregnation extends about 50 m north-south-direction, plunging about 30° westwards in metamorphosed ultra-mafic body, 2-4 m above its contact with gneiss-granite. The thickness of the mineralization varies irregularly, maximum is 5,5 m. Drilling was also done 400 m NW of the deposit and in the targets 4, 13 and 19. The targets 11, 13, 16, 17 and 18 were prospected with geophysics. All of these targets got interesting anomalies. Specially the target 18 was very interesting , because both of the anomalies, mag and EM, are very strong and large. These anomalies should be checked by more detailed geophysics and also by drilling.

Results

The description of the geology in the area was explaned in my report of 1987.

Target 3 (Done: CP, SP, IP, MPP, drilling)

One drillhole was drilled on the found deposit N of Rømlingås to get better figure for it.

Four drillholes were drilled on the mag-and VLF-R-anomalies 300 ms NW of the deposit under Keinolammet. Only pure magnetite-bearing peridotite was found. The reason of the VLF-R-anomaly is possible the mud over the ultramafic rock.

MPP-EM-prospecting was done over the deposit, but the method did not pick it up. CP-and SP-methods showed it clearly like IP-and VLF-R-methods did.

Targets 4,12 (Done: Drilling, MPP)

These targets are up-ice of the best Ni-Cu-blocks. One short drillhole was drilled to see the rocktype on a weak mag-and IP-anomalies. Only gn-gr-rock was found with small amphibole-bearing layers.

MPP-survey was done over the targets. A clear anomaly was found west of the drilled hole.

Target 11 (Done: MPP)

MPP-method showed a clear anomaly east of the found deposit in the target 3.

Target 13 (Done: Mag, VLF-R, Drilling)

This target is up-ice of a Ni-Cu-bearing block, found on the bank of Rømlingbekke.

The found mag-and weak VLF-R-anomalies were tested by drilling. The rocktype was peridotite with several carbonate-chlorite-talc-sections.

Target 19 (Done: Drilling)

Two drillholes were drilled on magnetic and VLF-R-anomalies. The rocktype was peridotite with fractured sections. The peridotite was just same type as on Rømlingås.

Target 15 (Done: Mag, VLF-R)

Some magnetic and VLF-R-surveys were done in the target. The highest mag-reading was 700 γ above the baselevel. VLF-R-anomaly was also on mag-anomaly. Some rusty ground was found in the area.

Target 16 (Done: Mag, VLF-R)

One narrow Mag-anomaly, 700 γ above baselevel was found in the area with VLF-R-anomalous values.

Target 17 (Done: Mag, VLF-R)

One low mag-anomaly, 400 γ above baselevel was found in the area with VLF-R-anomalous values.

Target 18 (Done: Mag, VLF-R, MPP)

This target is situating in the same strike with Russian Runnijoki-deposit. A large, about one kilometer long mag-anomaly, more than 2100 γ above baselevel, was found in the area with strong VLF-R- and MPP-anomalies. Runnijoki-deposit was also found by MPP-method. According to our testing on Runnijoki-deposit also VLF-R works very well on that type of mineralization.

MPP-survey by Sergei Anikeev

Target 18

In the nearest boundary of Runnijoki-dome we have intensive anomaly of MPP, which is oriented from north to south. In east and south it is not outlined. According to obtained data we can model the anomaly-form object of bed-form (shape). The object has flat (plane) dip (10^{o}-20^{o}) to the west-direction.

The occurance depth of the object:

Foot of the bed - 100 m (in section I-I)
- 175 m (in section II-II)

Roof of the bed - 70 m (in section I-I)
- 125 m (in section II-II)

The limit of depth error ± 20 %

In the north-west part of the measured area it occurs a voluminous polarization. It can be connected with an impregnation of sulphide-mineralization. The object showes a depth uplift in south-direction. The dip is very close to horizontal.

Targets 3-11 and 4-12

We are having only fragments of MPP-survey of this area. So it doesn't let us to come to the conclusion about the form of the object and occurance of the depth of the anomaly-object.

Area 3-11: The center of anomaly is in the square 6.
With the coordinates 5350 W - 12350 N.
The roof-edge about 90 m } for isometrical
The foot-edge about 110 m } object

The roof-edge about 100 m } for bed-form object
The foot-edge about 160 m }

Area 4-12: The center of anomaly is in the square 4.
With the coordinates 5300 W - 11900 N.
The roof-edge about 200 m } for isometrical
The foot-edge about 260 m } object
The roof-edge about 230 m } for bed-form object
The foot-edge about 290 m }

Recommendation

Target 18

We recommend to outline the object in south and east directions.

Points of drilling: 1. 71150 N / 88650 E h = 125 m
2. 71650 N / 88750 E h = 225 m

Targets 3-11 and 4-12

According to the having data it is very risk to give any recommendation for drilling. It is necessary to execute an additional prospecting for definition the form and elements of the anomaly-giving object.

Drill-logging

1/92 90° 5590W/12612N Target 11

Casing 6,30 m
Coring 1,60 m

0,00- 6,30	Overburden
6,30- 7,90	Peridotite
7,90	End. Bit broken.

2/92 90° 5580W/12607N Target 11

Casing 9,25 m
Coring 23,95 m

0,00- 8,40	Overburden
8,40-32,20	Metaperidotite
	-dark,mediumgrained,homogenious
32,20-32,35	Gneiss-granite
	-light,chlorite in contact
32,35	End.

3/92 90° 5575W/12537,5N Target 11

Casing 12,20 m
Coring 3,45 m

0,00- 9,80	Overburden
9,80-12,30	Peridotite
	-like 2/92
12,30-13,25	Gneiss-granite
13,25	End

4/92 90° 5555W/12592N Target 11

Casing 9,30 m
Coring 28,15 m

0,00- 9,00	Overburden
9,00-34,35	Peridotite
	-like 2/92
24,20-24,70	Mica-rich
33,70-34,35	- " -
34,35	End

Assays:	% Ni	% Cu
21,50-22,00	0,14	0,00

5/92 70°/N6W 5245W/11885N Target 4

Casing 13,85 m
Coring 4,55 m

0,00- 9,80	Overburden
9,80-14,35	Gneiss-granite
	-some amphibole-rich layers
14,35	End

6/92 90° 5485W/12273N Target 3

Casing 8,45 m
Coring 22,85 m

0,00- 7,60	Overburden
7,60-30,40	Peridotite
	-metamorphosed,dark,mediumgrained,homogenous
26,70-27,00	cp+po 10 %
27,20-27,35	cp+po 2 %
30,40-30,45	Gneiss-granite
30,45	End

Assays:	% Ni	% Cu
25,00-25,50	0,12	0
25,50-26,00	0,11	0
26,00-26,50	0,11	0
26,50-27,00	0,26	0,21
27,00-27,50	0,15	0
27,50-28,00	0	0
28,00-28,50	0	0
28,50-29,00	0	0

7/92 90° 3575W/11850N Target 19

Casing 12,10 m
Coring 32,25 m

0,00- 9,60	Overburden
9,60-12,10	Gneiss-granite, either big blocks or bedrock
12,10-41,85	Metaperidotite
	-like 6/92
16,20-17,55	Chlorite-rich,broken
41,85	End

Assays:	% Ni	% Cu
26,00-26,50	0,1	0

8/92 90° 3963W/11555N Target 19
Casing 9,60 m
Coring 19,85 m
0,00-8,80 Overburden
8,80-28,65 Metaperidotite
-very broken,quite homogeneous,some less than 1 cm thick carbonate-veins
28,65 End

Assays:	% Ni	% Cu
21,50-22,00	0,11	0

9/92 90° 5105W/10950N Target 13
Rods were stuck at 8,55.

10/92 90° 5220W/11000N Target 13
Casing 6,90 m
Coring 2,95 m
0,00- 4,90 Overburden
4,90- 7,85 Gneiss-granite
-homogeneous,white
7,85 End

11/92 90° 5105W/10965N Target 13
Casing 7,40 m
Coring 15,85 m
0,00- 6,90 Overburden
6,90-21,80 Metaperidotite
-homogeneous,dark
8,60- 9,20 Carbonate
11,90-12,45 Chlorite,talc,carbonate
12,70-12,80 -"-
14,30-14,40 -"-
15,20-15,50 -"-
16,70-17,00 -"-
18,10-19,90 -"- + mica
20,80-21,00 -"- -"-
21,40-21,60 -"- -"-

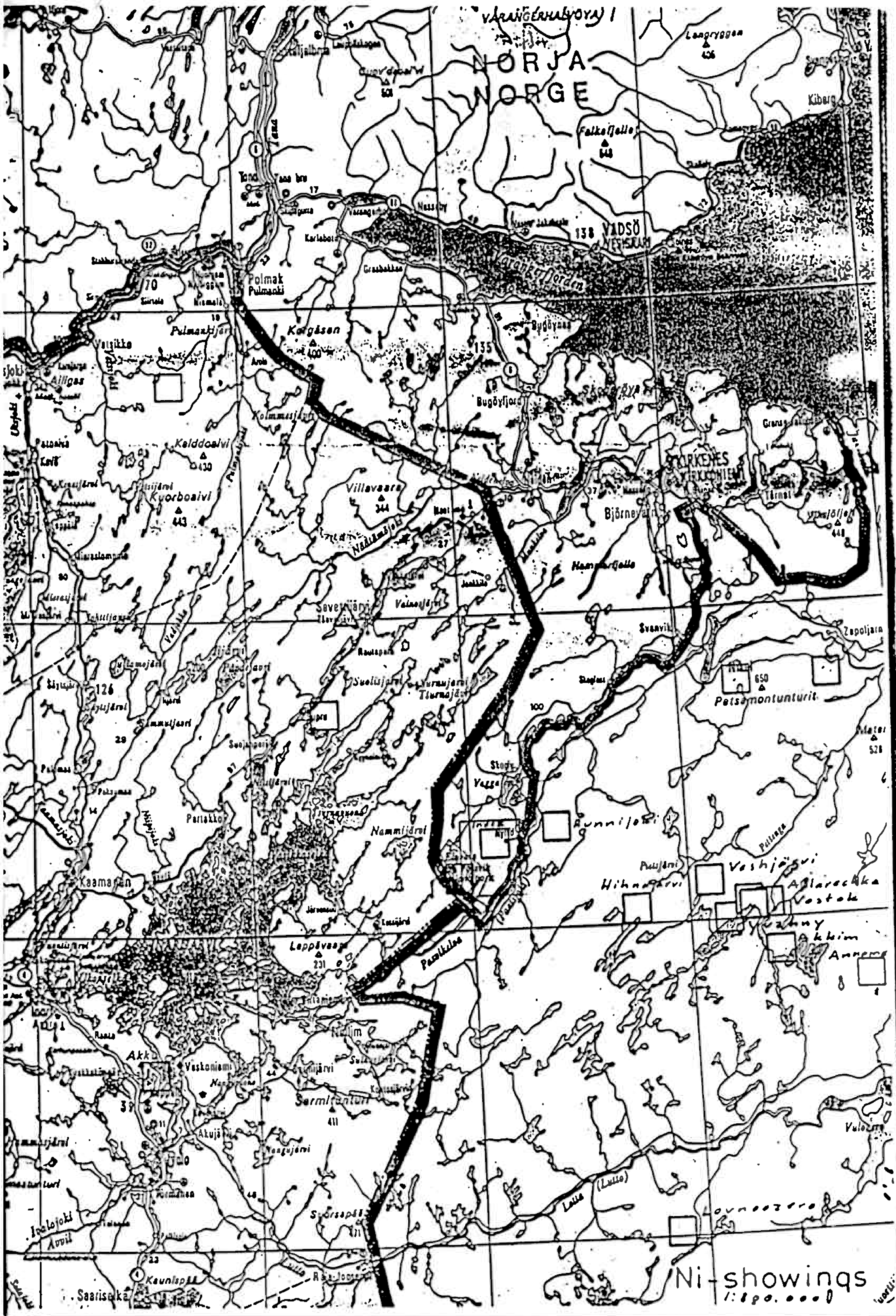
21,80-22,75 Felsbatic rock,some amphibole
22,75 End

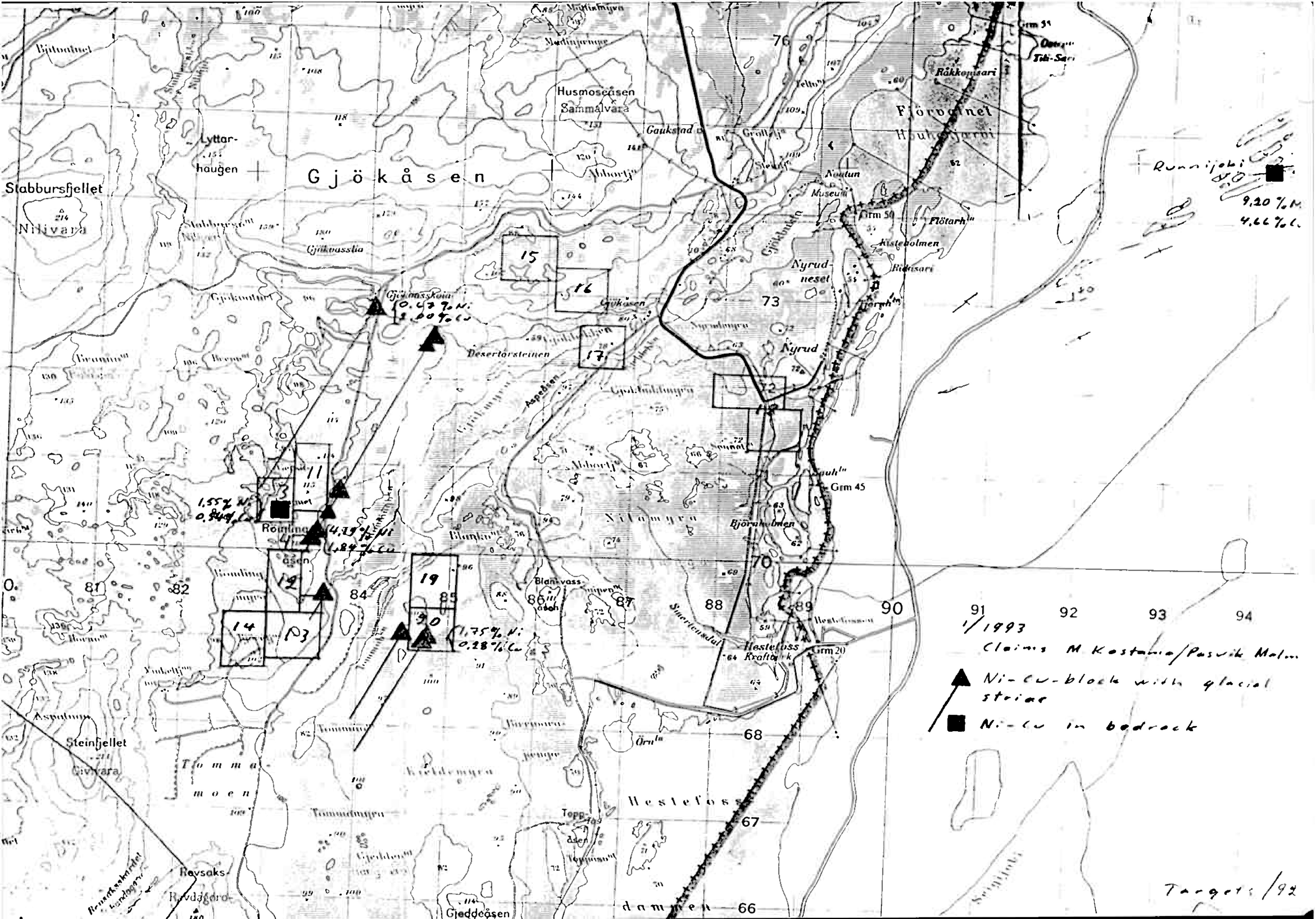
Assays:	% Ni	% Cu
16,00-16,50	0,12	0 .

12/92 90° 5108W/10948N Target 13
Casing 6,10 m
Coring 7,10 m
0,00- 4,20 Overburden
4,20-10,95 Gneiss-granite S 50° at 7,50
-homogeneous,white
10,95 End

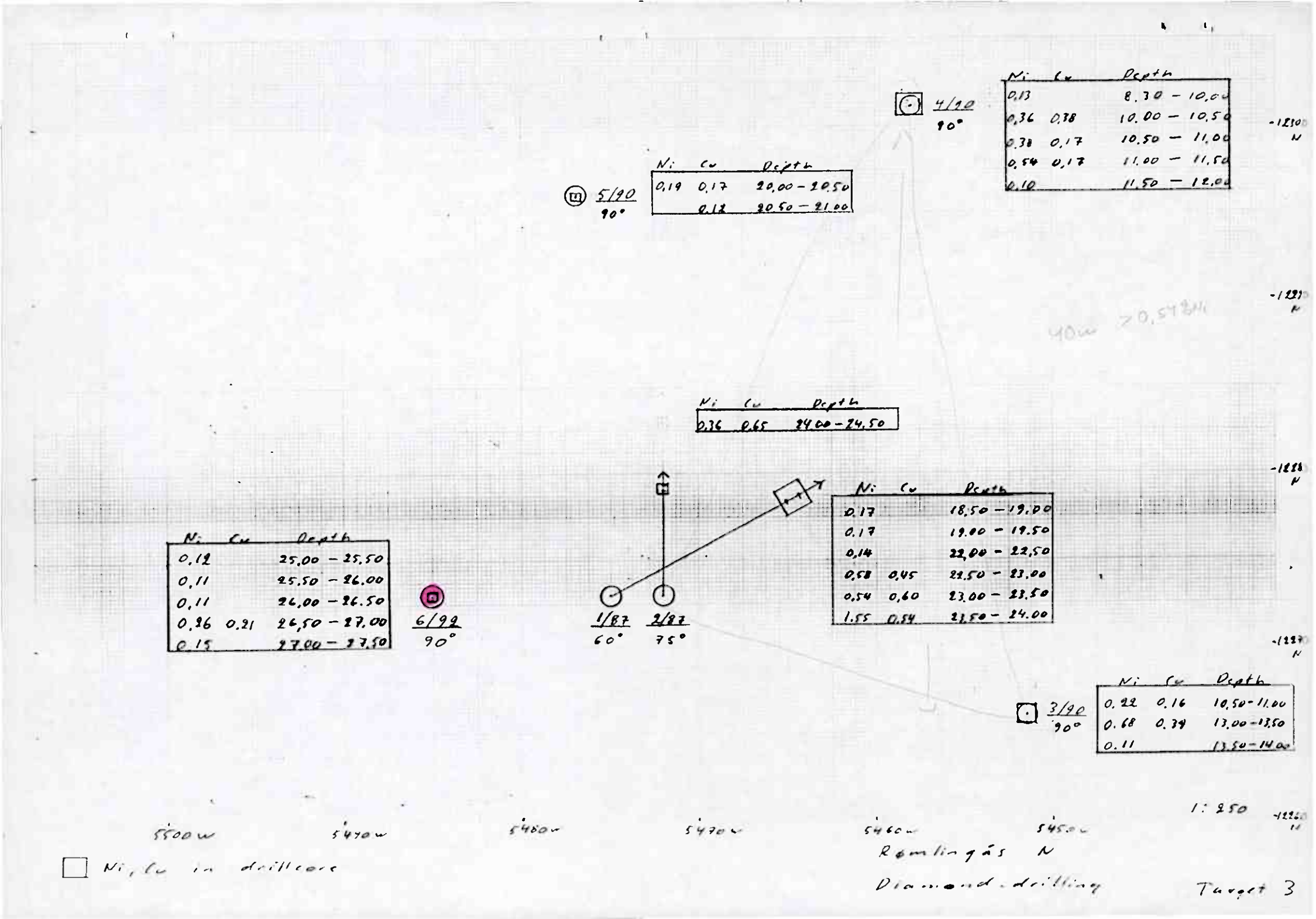
Ivalo 22.6.1993

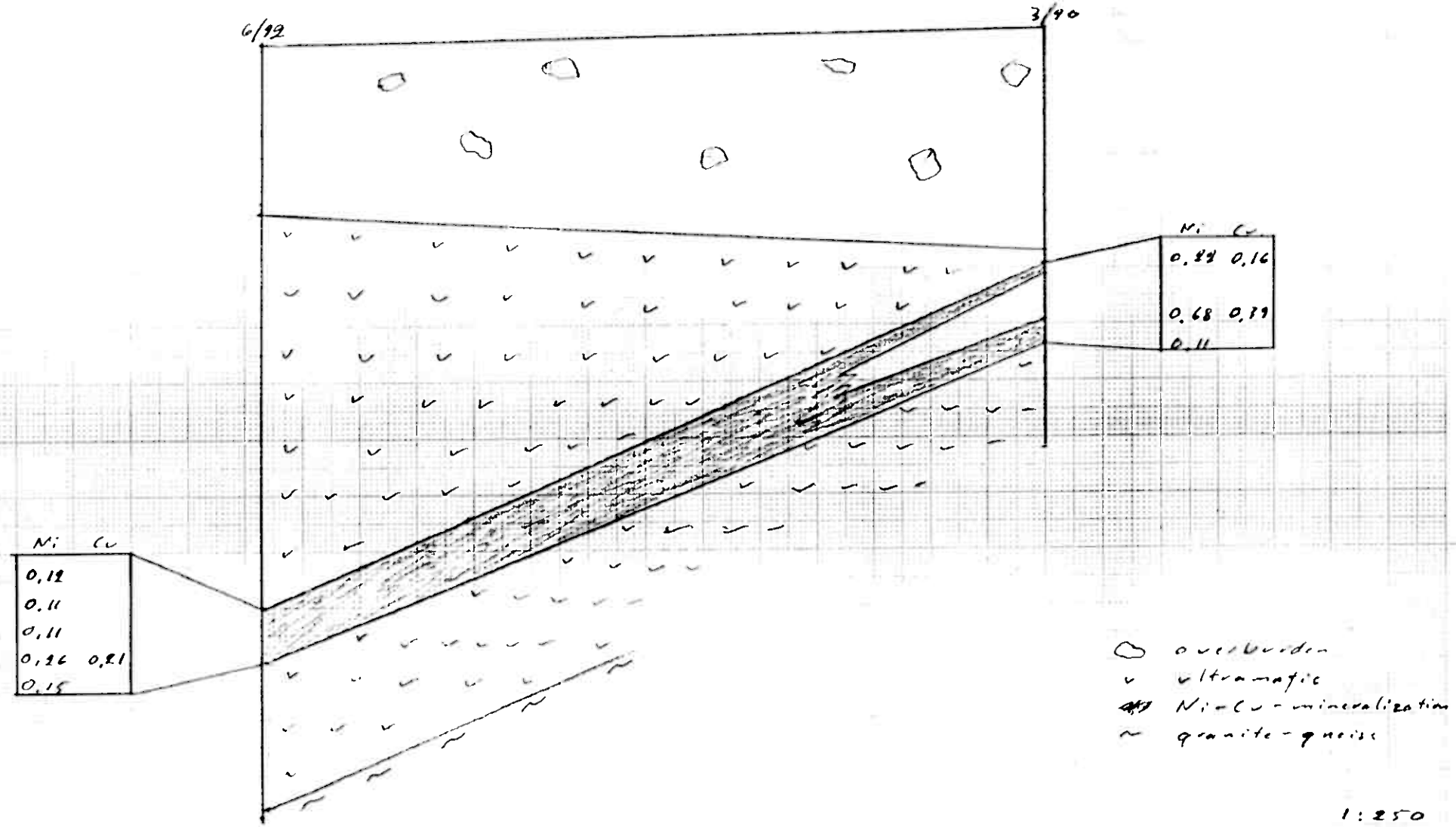
Erkki Kreivi


VARANGERHALVØYA
NORJA
NORGE
Langryggen
406
Kiberg
Falkefjellet
648
Tana
Tana bru
17
Polmak
Pulmanki
Nesseby
138
VADSØ
Varangerfjorden
70
Pulmankijärvi
Valtikka
Alligas
Kolgåsen
400
135
Bugøynes
Bugøyfjord
Kelddoaivi
430
Kuorboaivi
443
Villavaara
344
Näätämöjoki
KIRKENES
Bjørnevatn
Sevettijärvi
Svanvik
Zapoljarn
650
Petsamontunturit
528
100
Nammijärvi
Runnijoki
Veshjärvi
Kaamanen
Leppävaara
231
Akujärvi
Sarmitunturi
411
Lutto
Lovnoozero
Ivalojoki
Saariselkä
Ni-showings
1:880.000



Stabbursfjellet
Nilivara
Lyttar-
haugen
Gjökåsen
Husmoseåsen
Sammalvara
Gaukstad
Gjökvasslia
Gjökvasskoia
0.47% Ni
2.00% Cu
Desertörsteinen
Aspåsen
Flörvatnet
Råkkopisari
Noutun
Museum
Grm 50
Flötarh
Kisteholmen
Nyrud-
neset
Nyrud
Grm 45
Björnholmen
Nilamyra
Röyling
1.55% Ni
0.84% Cu
4.39% Ni
1.84% Cu
1.75% Ni
0.28% Cu
Blankvass-
åsen
Hestefoss
Kraftverk
Grm 20
Smertensdal
Steinfjellet
Civivara
Tommamoen
Kjeldemyra
Tommdmyra
Hestefoss
Topp-
åsen
Revsaks-
Gjeddeåsen
Örn
Runnijoki
9.20% Ni
4.66% Cu
11
12
13
14
15
16
17
18
19
20
72
76
73
70
68
67
66
81
82
84
85
86
87
88
89
90
91
92
93
94
1/1993
Claims M. Kostama/Pasvik Malm
Ni-Cu-block with glacial striae
Ni-Cu in bedrock
Targets /92


4/90
90°
Ni Cu Depth
0,13 8.30 – 10,00
0,36 0,38 10.00 – 10.50
0,38 0,17 10.50 – 11,00
0,54 0,17 11.00 – 11.50
0,10 11.50 – 12.00
5/90
90°
Ni Cu Depth
0,19 0,17 20,00 – 20.50
0,12 20.50 – 21.00
Ni Cu Depth
0,36 0,65 24.00 – 24.50
1/87
60°
2/87
75°
Ni Cu Depth
0.17 18,50 – 19,00
0.17 19.00 – 19.50
0,14 22,00 – 22,50
0,58 0,45 22.50 – 23.00
0,54 0,60 23.00 – 23.50
1.55 0.54 23.50 – 24.00
6/92
90°
Ni Cu Depth
0,12 25,00 – 25,50
0,11 25.50 – 26.00
0,11 26,00 – 26.50
0,26 0,21 26,50 – 27,00
0,15 27.00 – 27.50
3/90
90°
Ni Cu Depth
0.22 0.16 10.50 – 11.00
0.68 0.34 13.00 – 13.50
0.11 13.50 – 14.00
-1230 N
-1229 N
-1228 N
-1227 N
-1226 N
40m = 0,54 Ni
5500 W
5490 W
5480 W
5470 W
5460 W
5450 W
1:250
Ni, Cu in drillcore
Romlingås N
Diamond drilling
Target 3

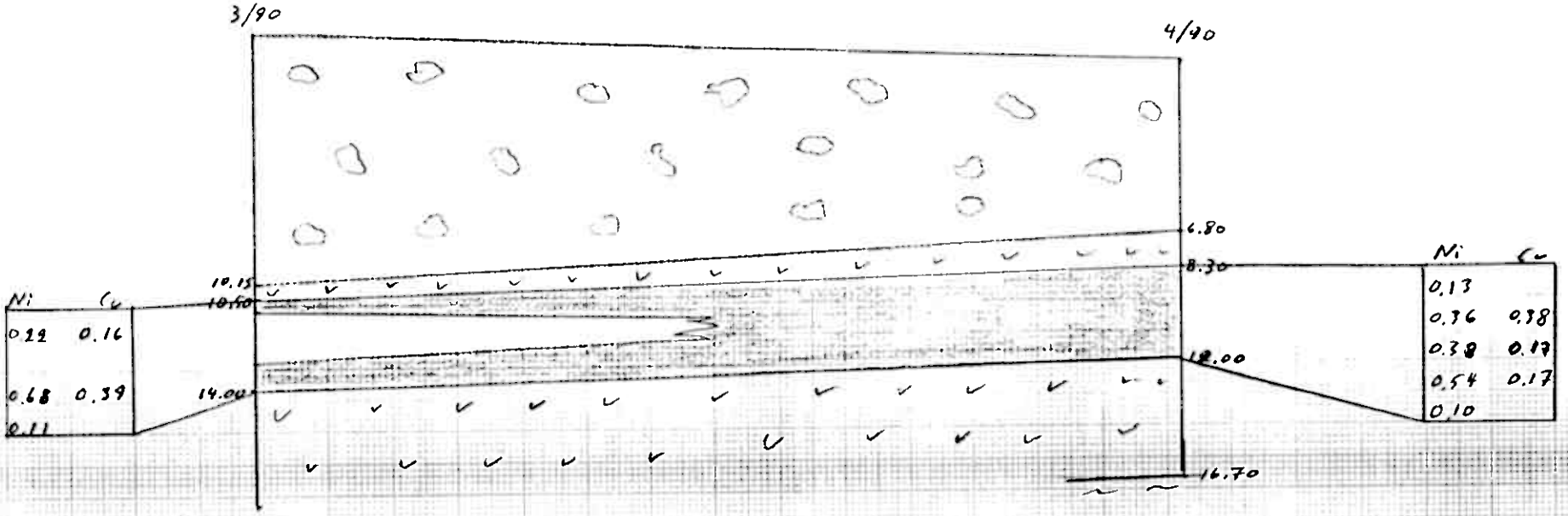


1:250

Remningsås

Cross-section 6/92 - 3/90

Target 3



overburden

ultramafic

Ni-Cu mineralization

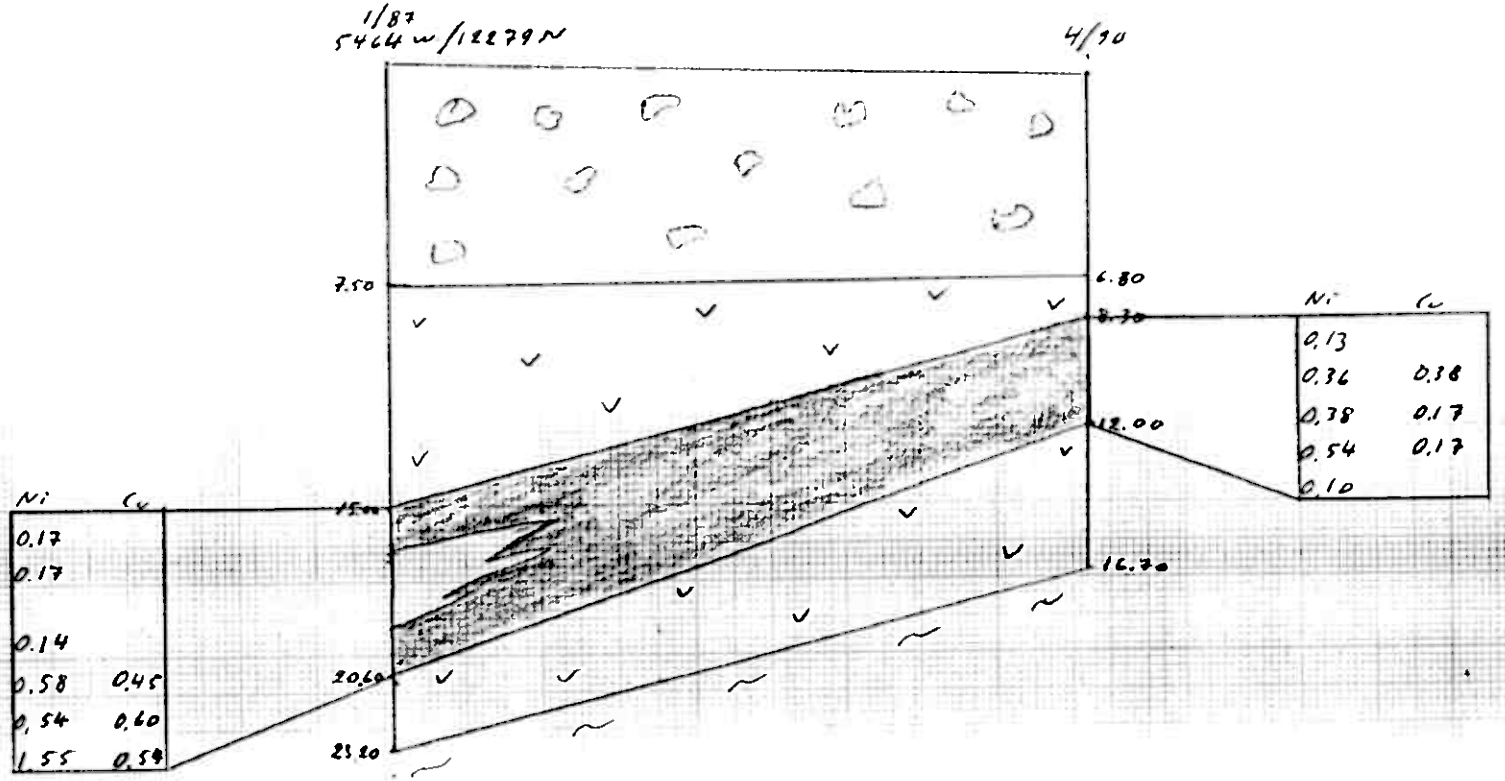
granite-gneiss

1 : 250

Rauhingäs N

Cross-section 3/90 – 4/90

Target 3



○ overburden

v ultramafic

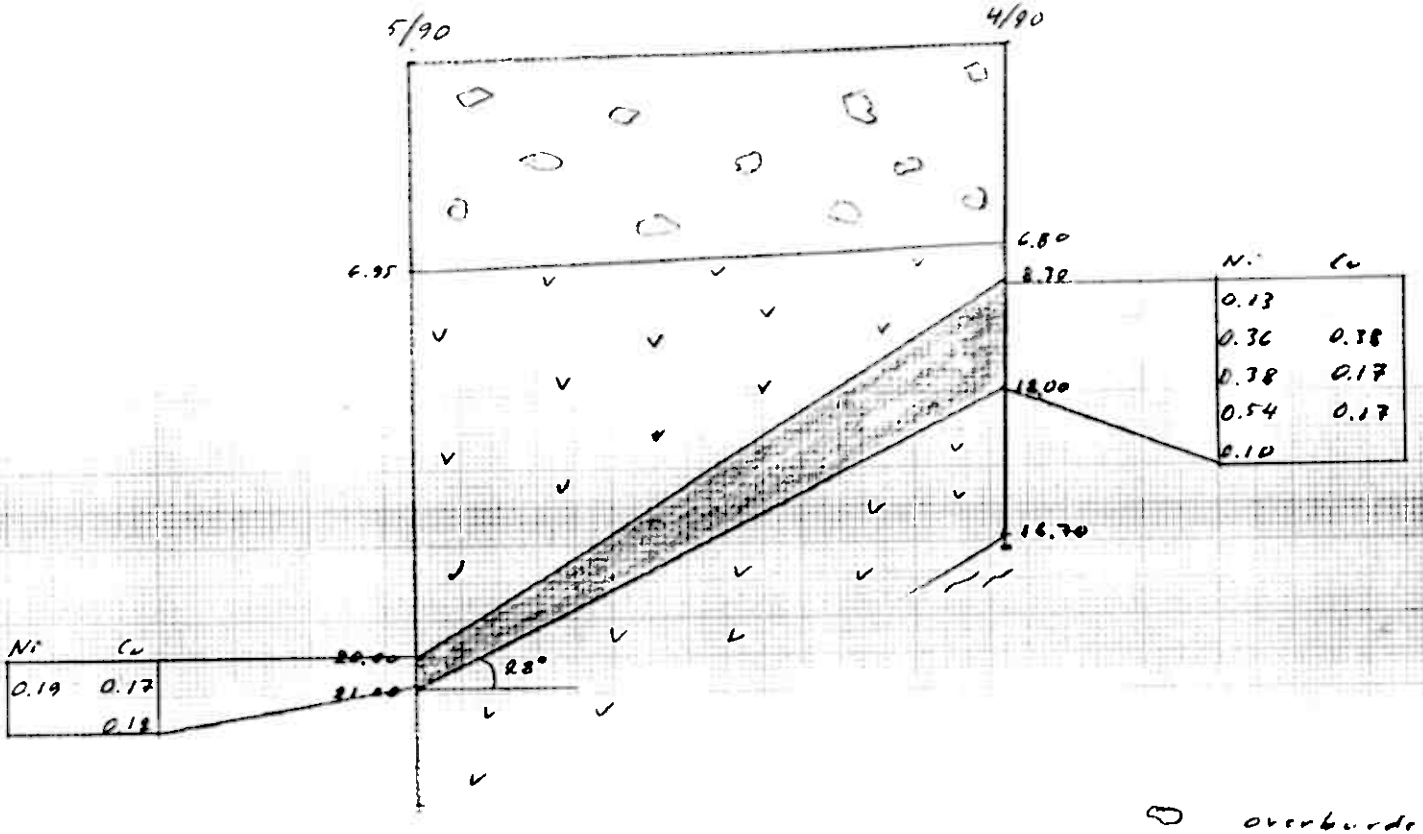
▨ Ni-Cu-mineralisation

~ granite-gneiss

1 : 250

Rambling's N

Cross-section 1/87 – 4/90 Target 3



overburden

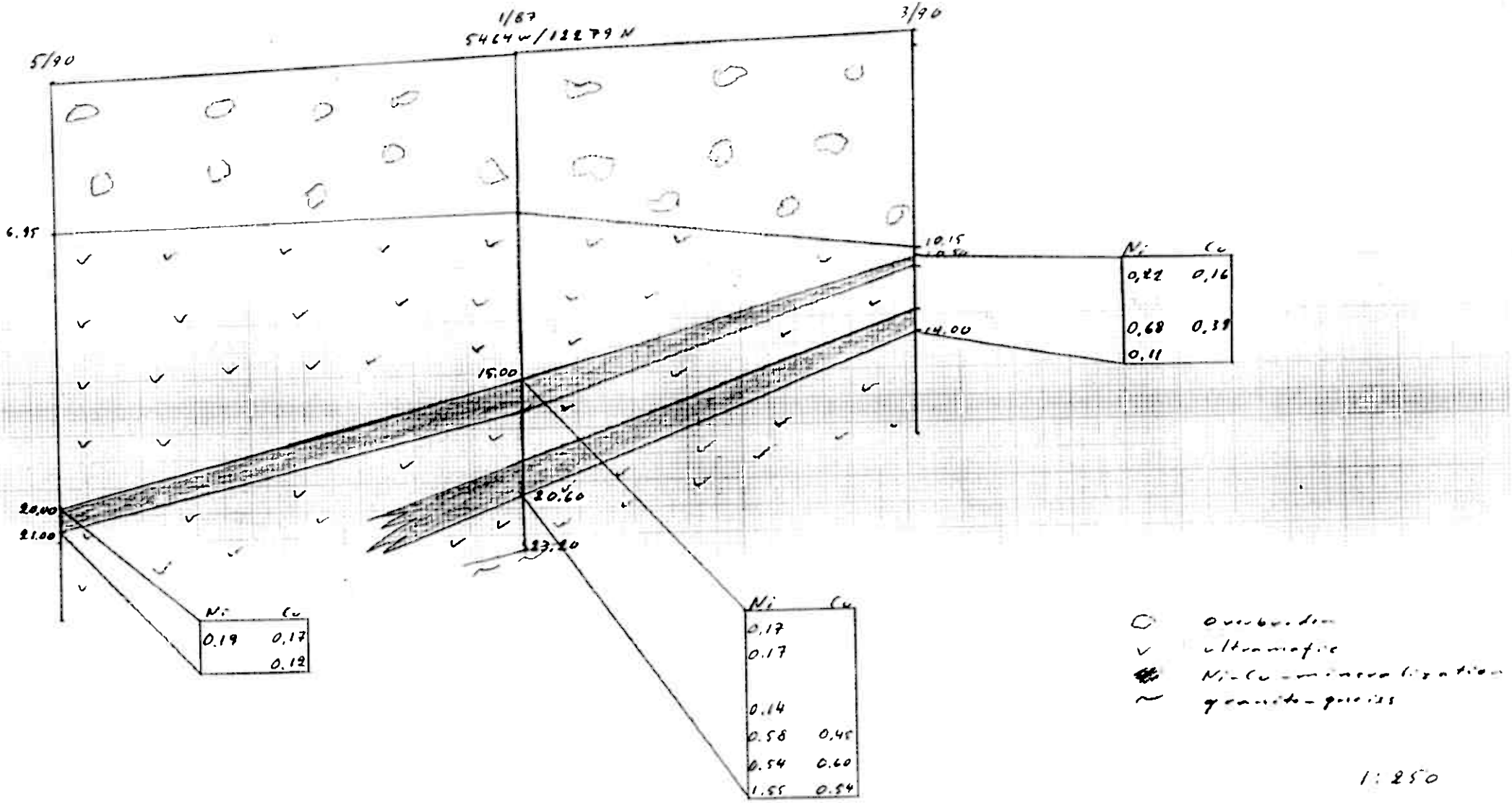
v ultramafic

Ni-Cu mineralization

1:250

Remington N

Cross-section 5/90 – 4/90 Target 3

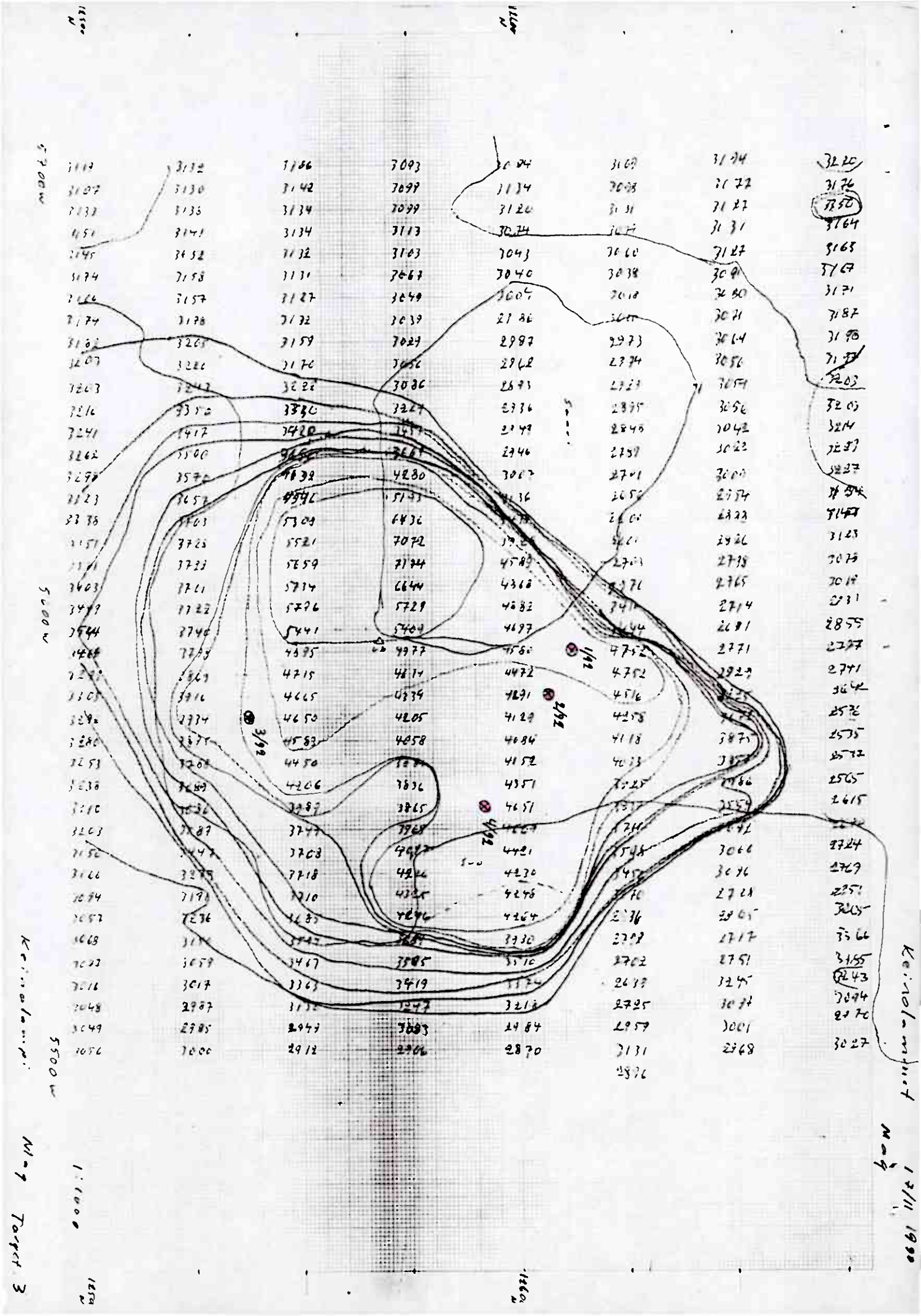


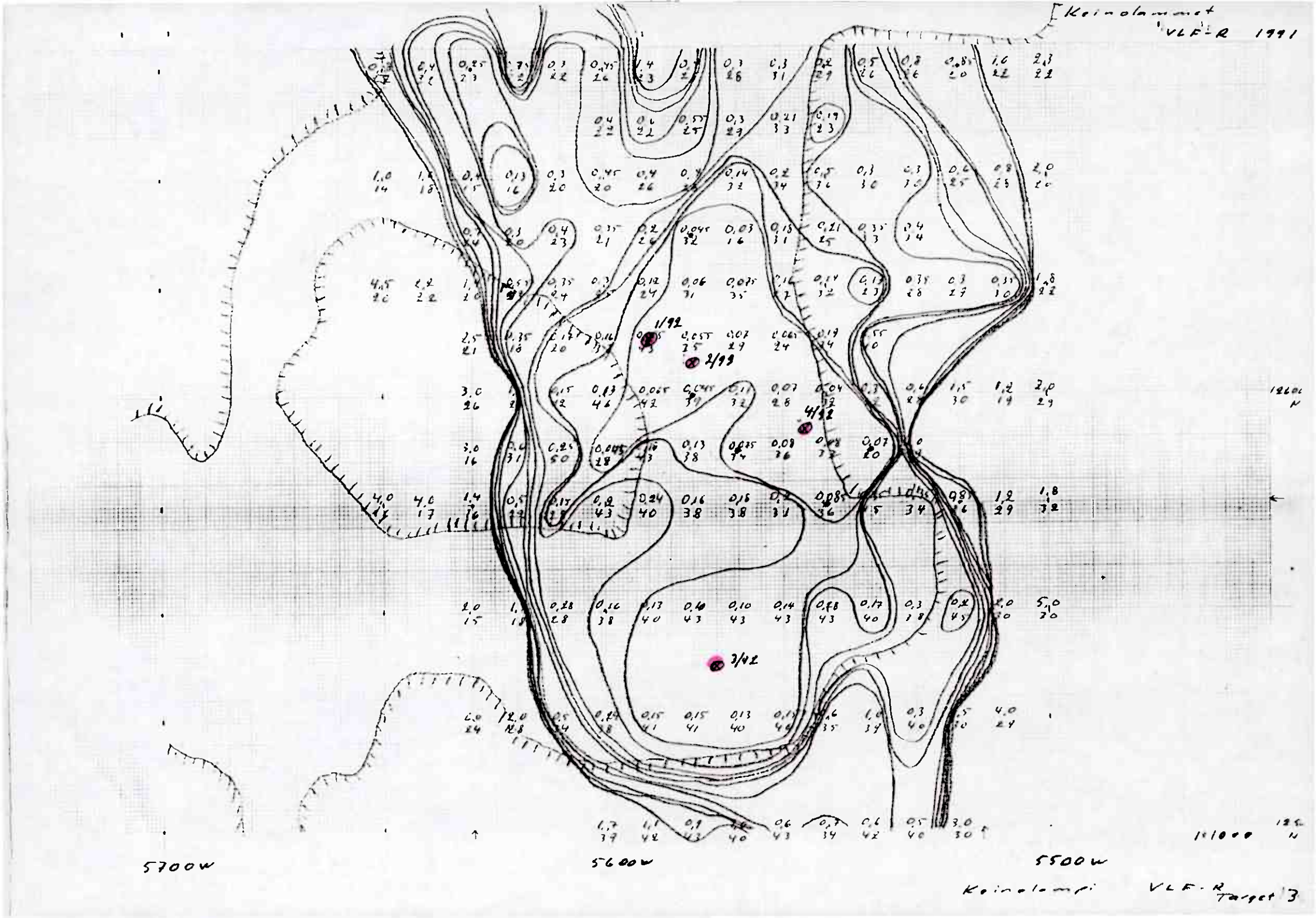
1:250

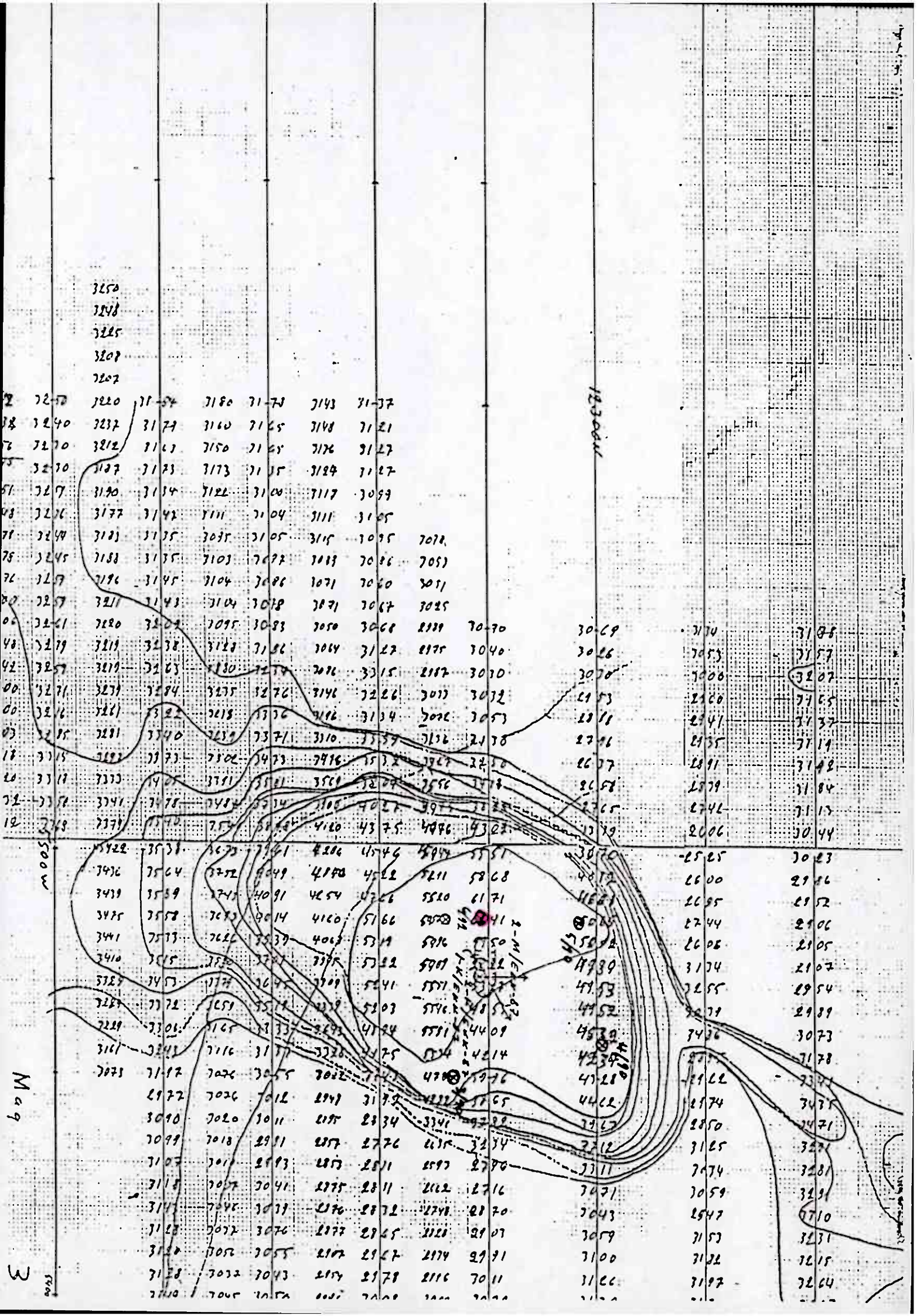
Rautaruukki N

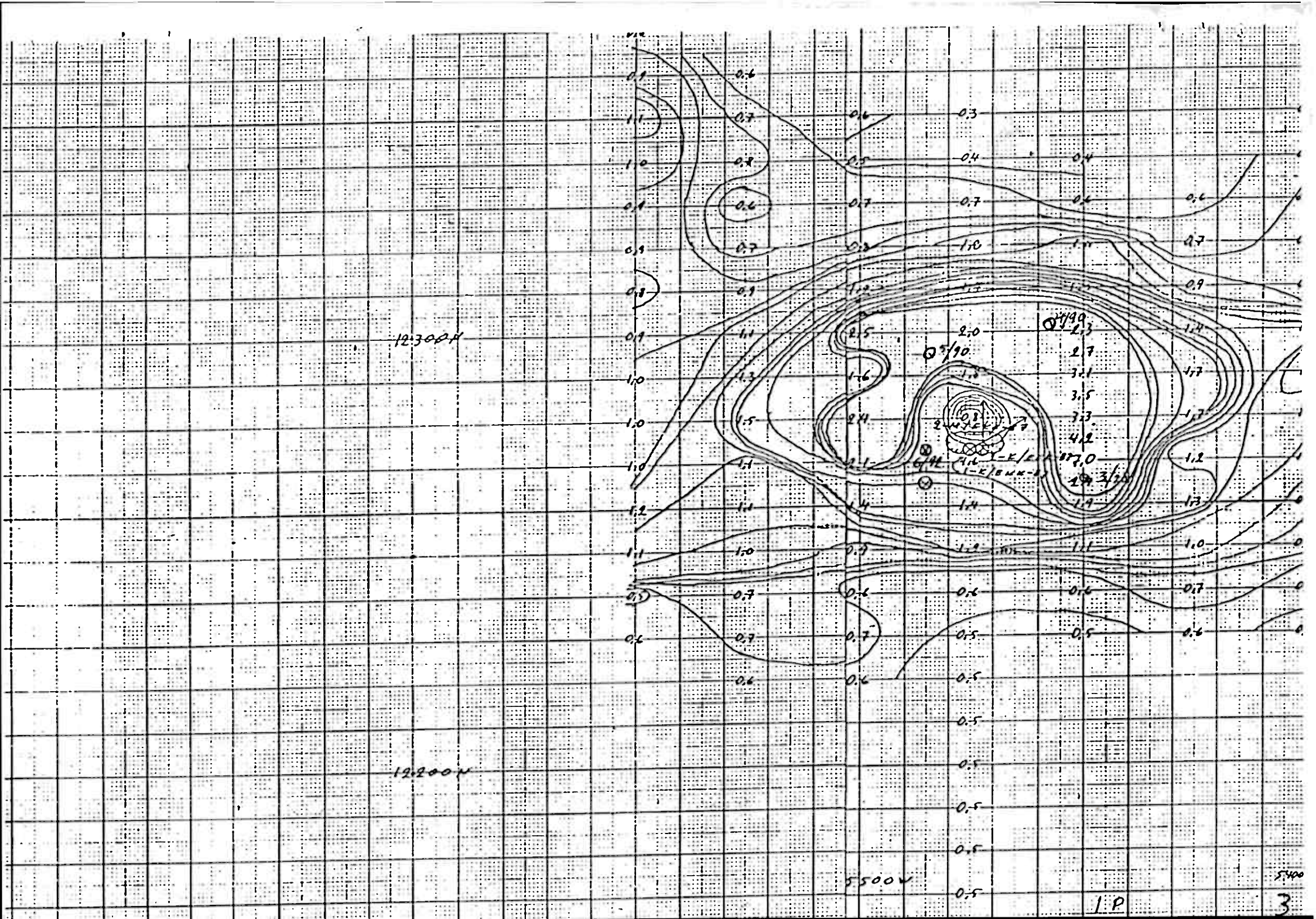
Cross-section 5/90 - (2-1/87) - 3/90

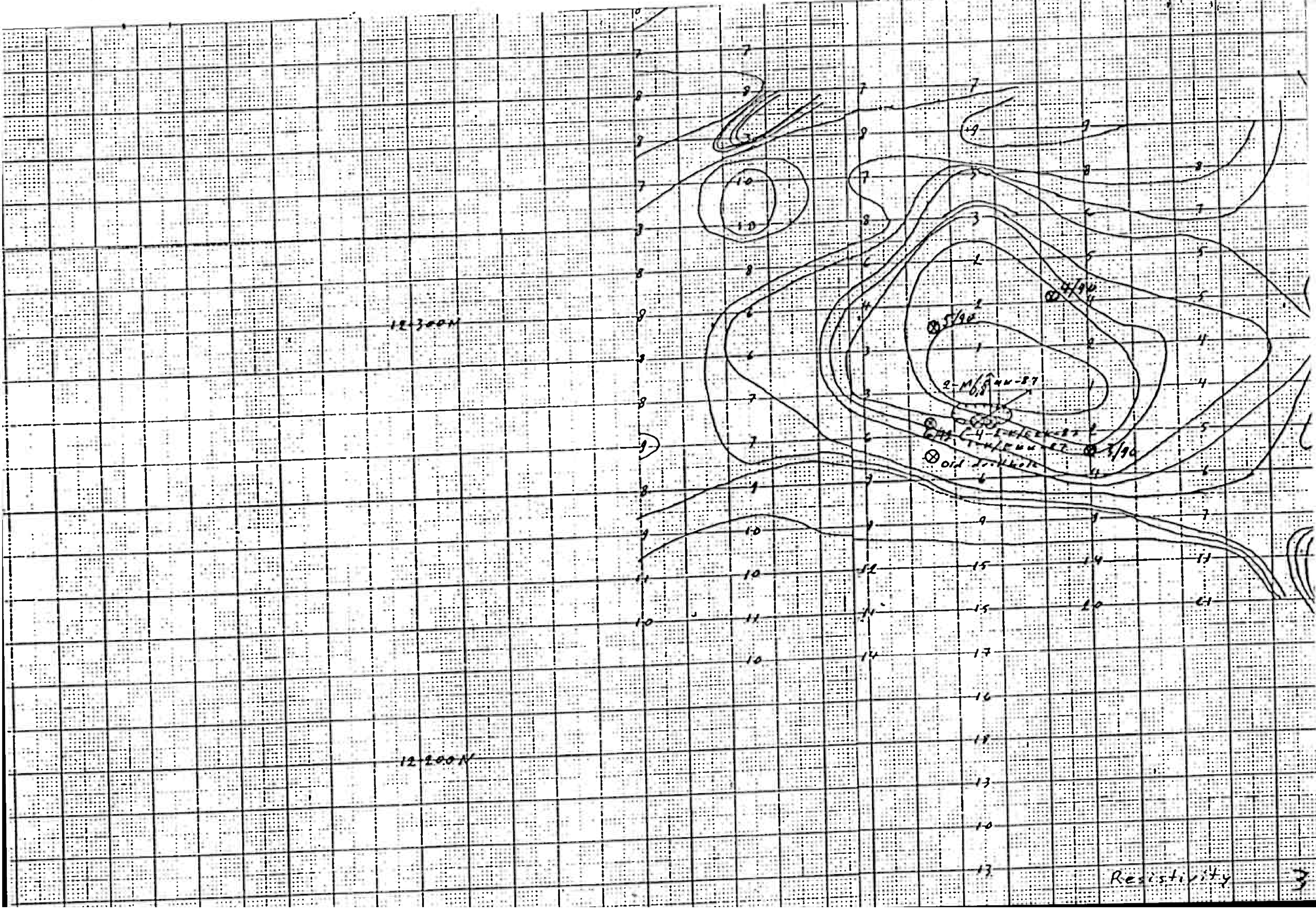
Target 3

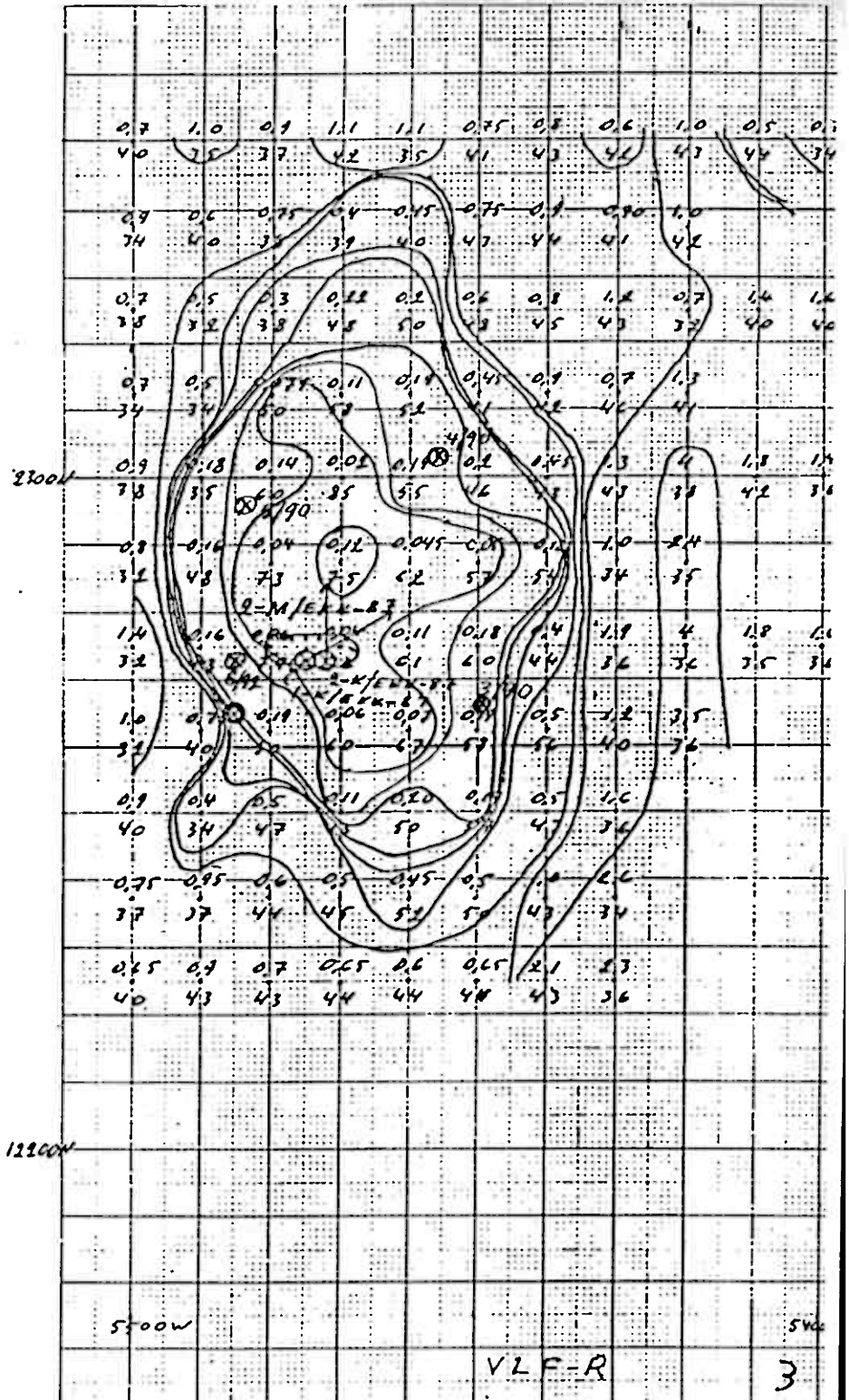

5700W
5600W
5500W
Kennecott
N-4
12/11/1990
1:1000
Target 3

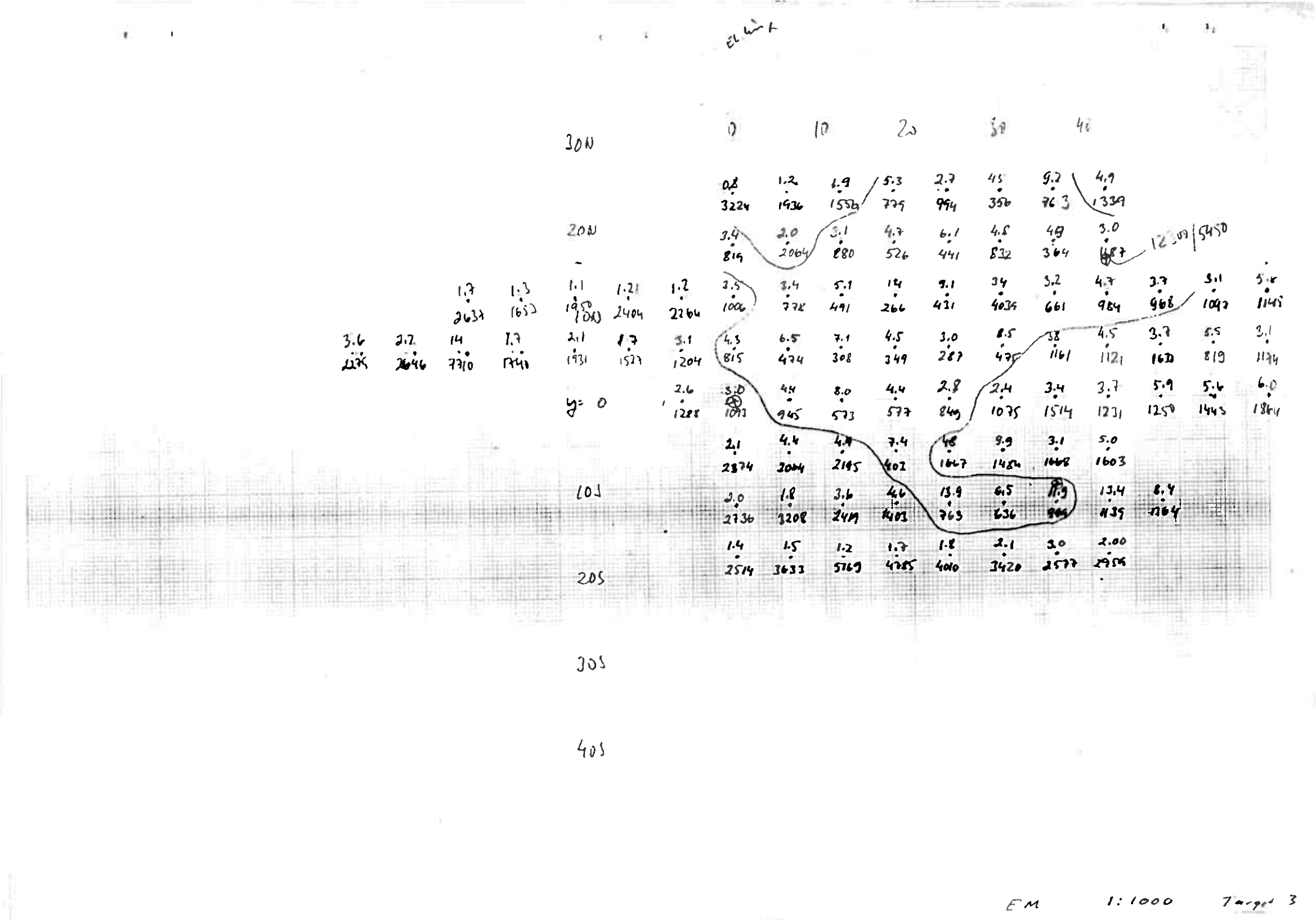

Koinolammi
VLF-R 1991
1/92
2/92
4/92
3/42
5700W
5600W
5500W
1:1000
Koinolammi VLF-R Target 3




12300
12200
55000
5400
1 Р
3


12+300N
12+200N
5/90
4/90
3/90
Resistivity
3


12200W
5100W
VLF-R
3



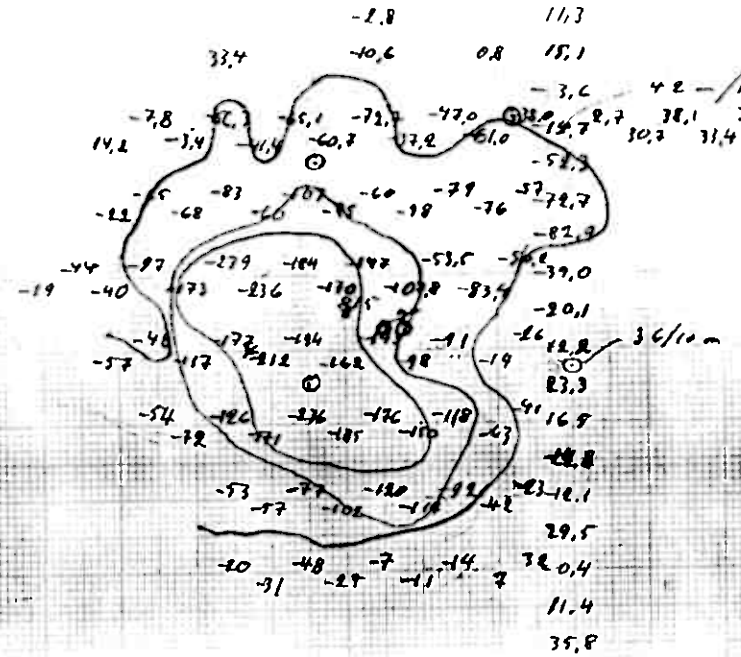
EM 1:1000 Target 3

Rantalinjas

13/c
1992

xG
8,3
28,0
16,0
24,2
15,8
13,4
11,3
15,1
- 3,6

42 -/1c -



2,7 38,1 39,2 58,5 -19300
30,3 31,4 20,6 66,2

72,7
-82,9
-39,0
-20,1
82,8
83,3
16,9
18,1
29,5
0,4
11,4
35,8

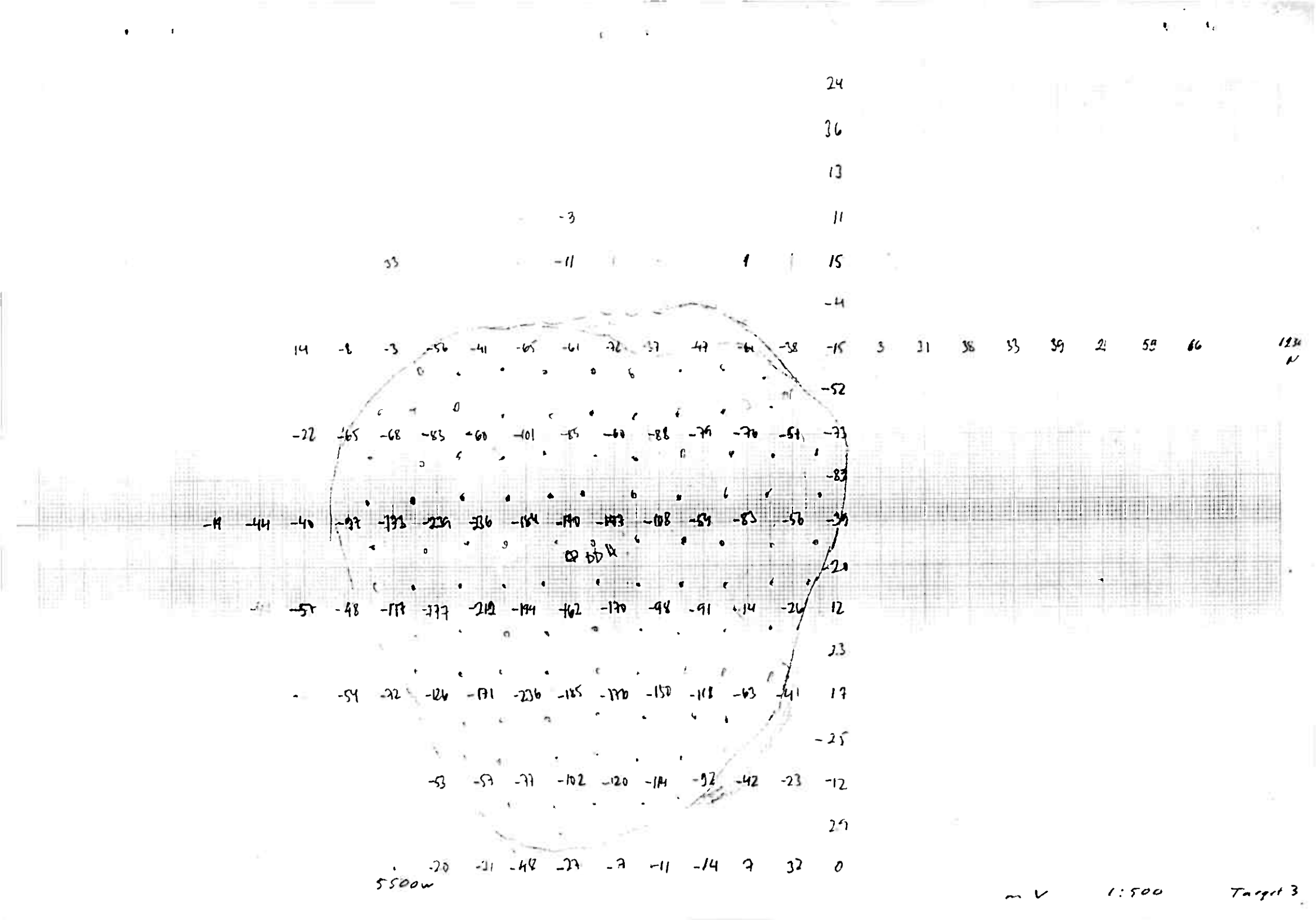
5500 -

SP

Tarvo Tarja, Juha Pertti
Erkki Kristi

1:1000

Target 3

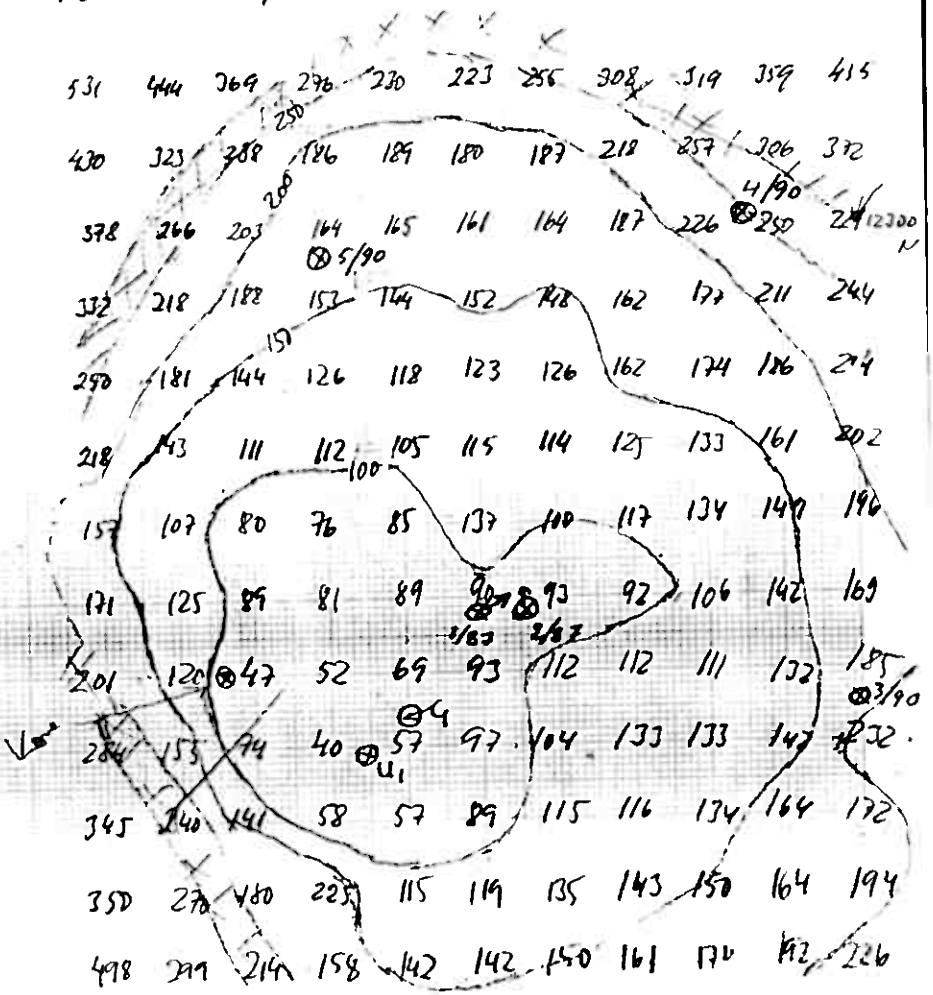

5500w
1:500
Target 3

Latauspotentiaalimittaus
maadoitus reiässä DDH/S, n 10m syvyydessä

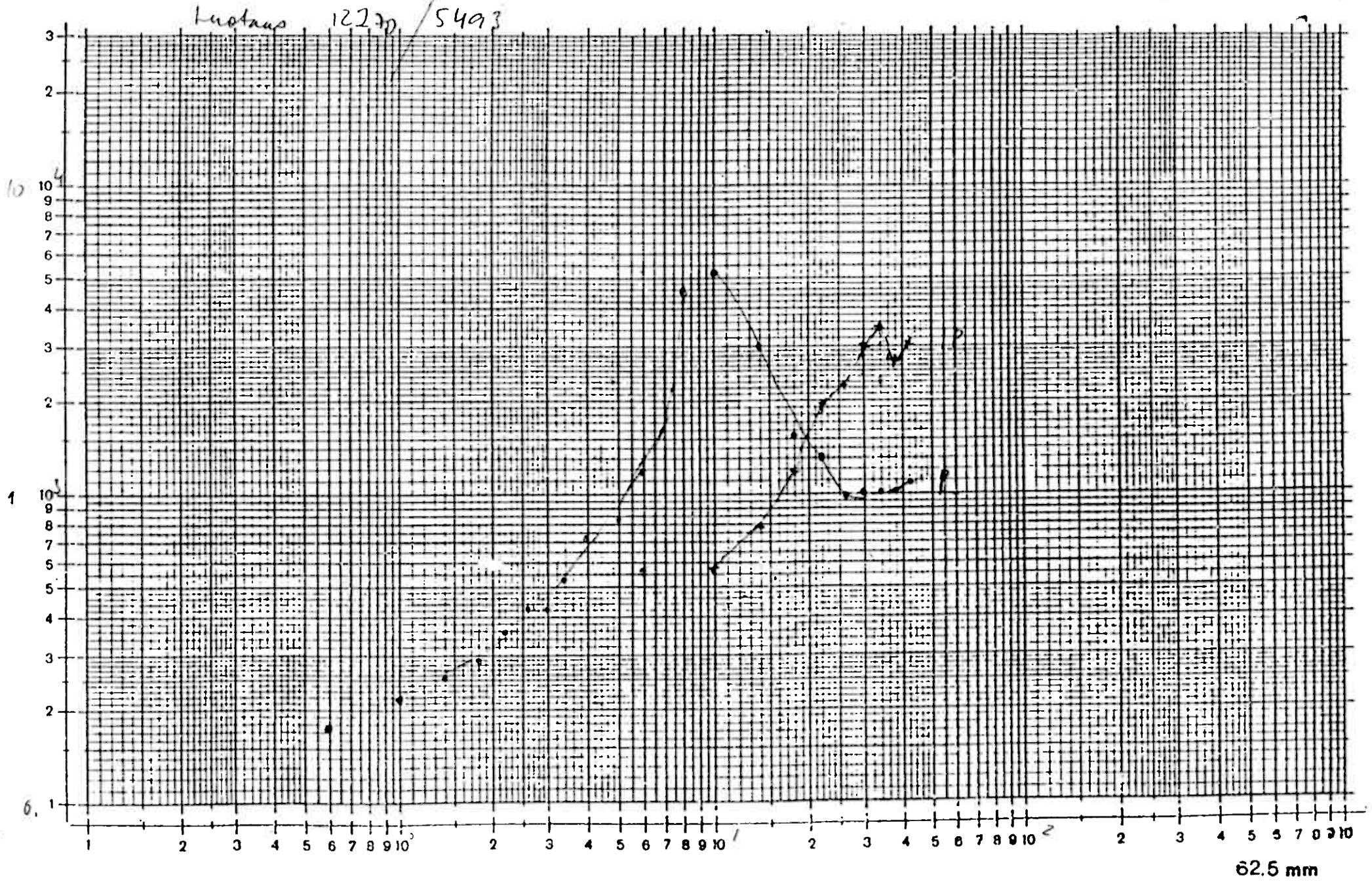
$\bar{I}$ = 155 mA
virta elektrodi U_1 2m reiästä

1:500

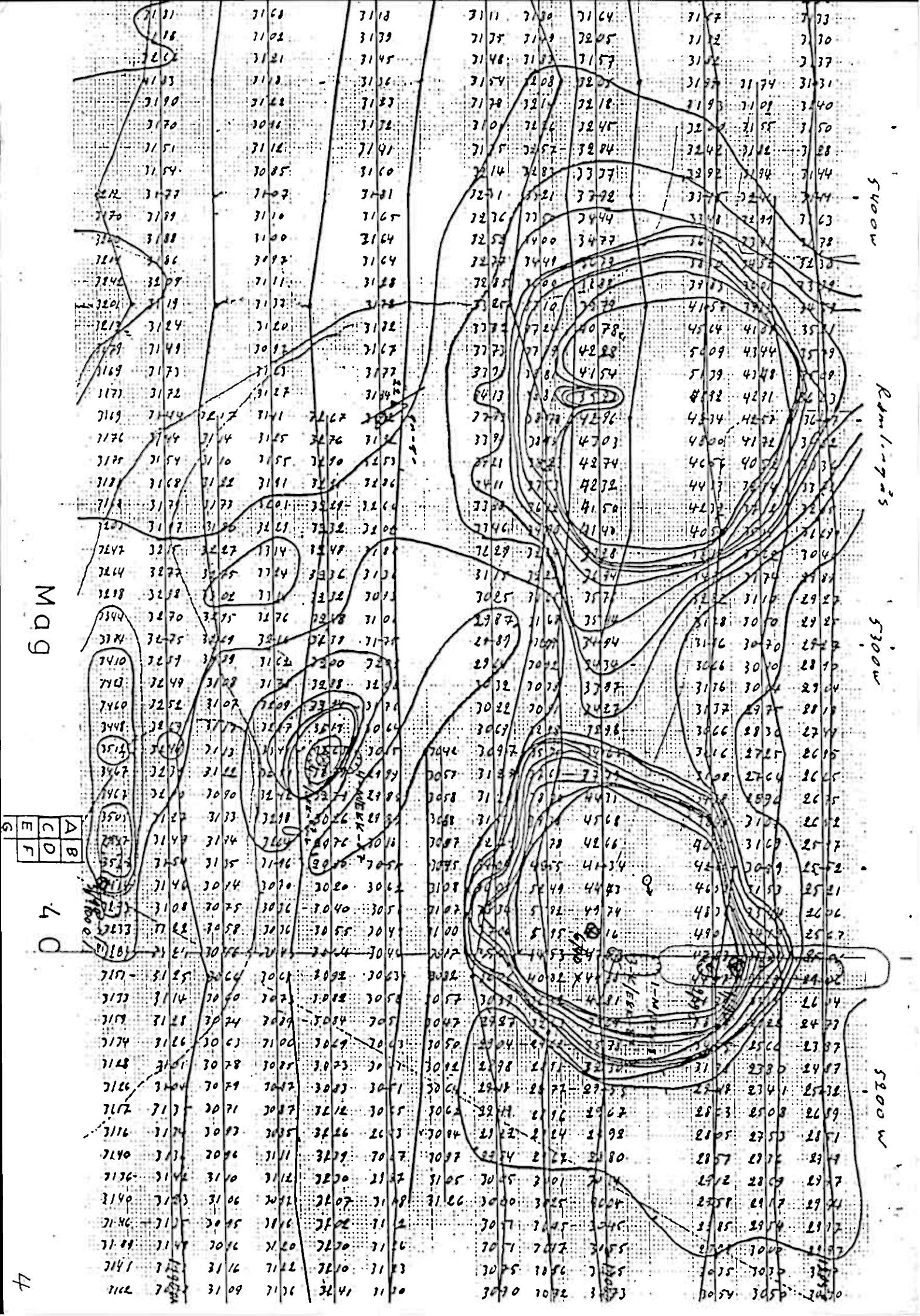
pot. erot. / 155 mA

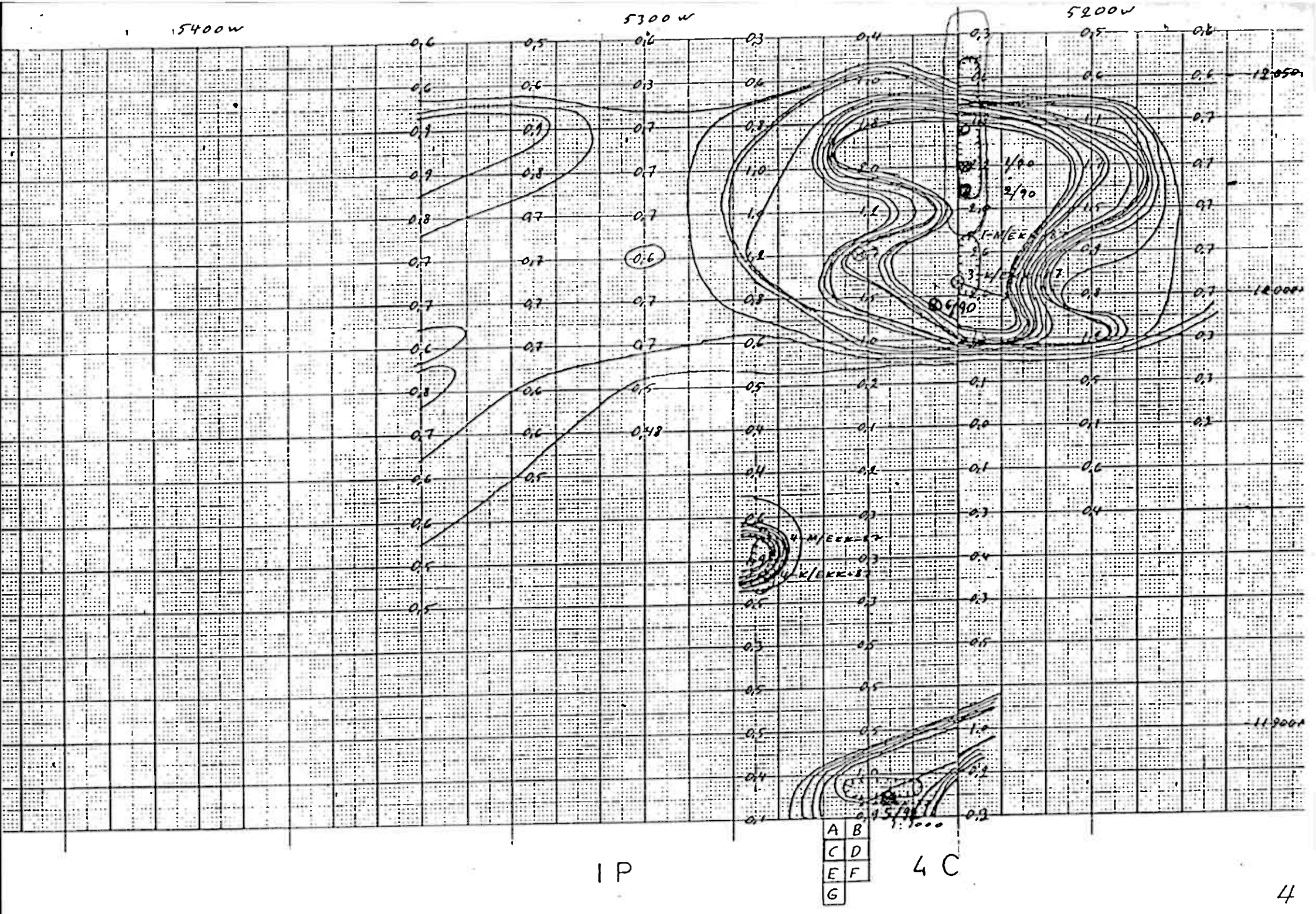


CP 1:500 Target 3



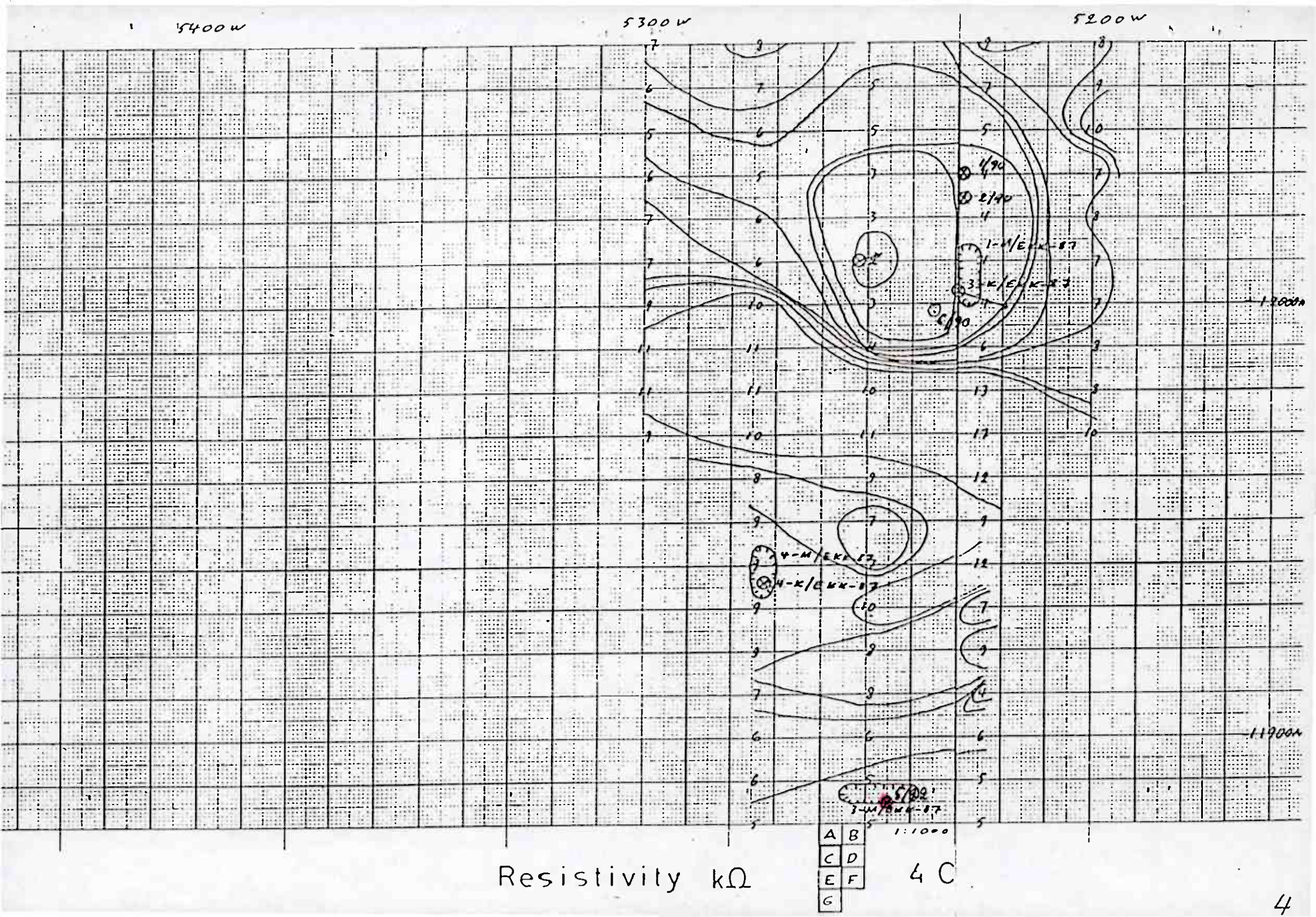
Target 3

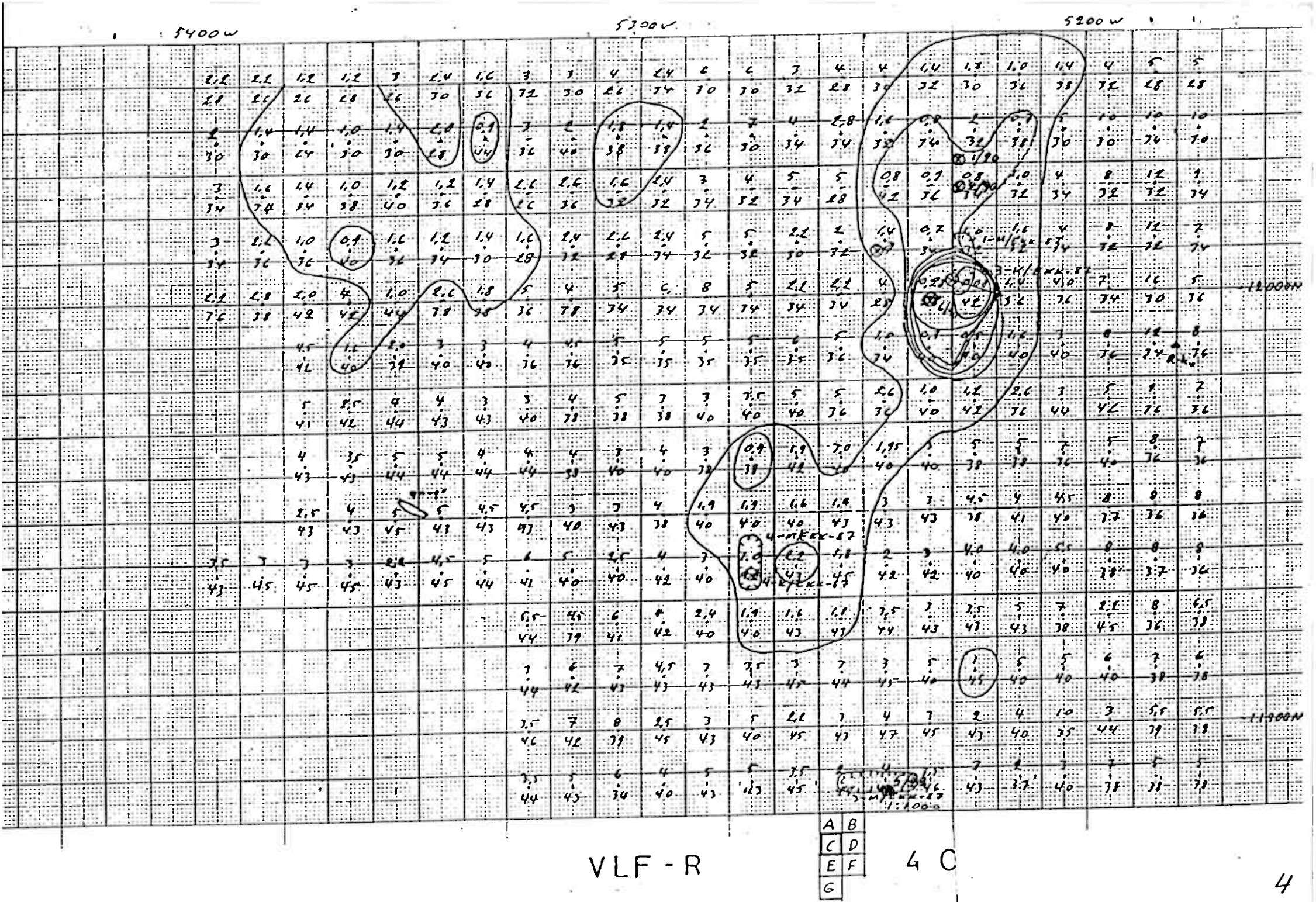

5400W
5300W
5200W
Mag
A B
C D
E F
G

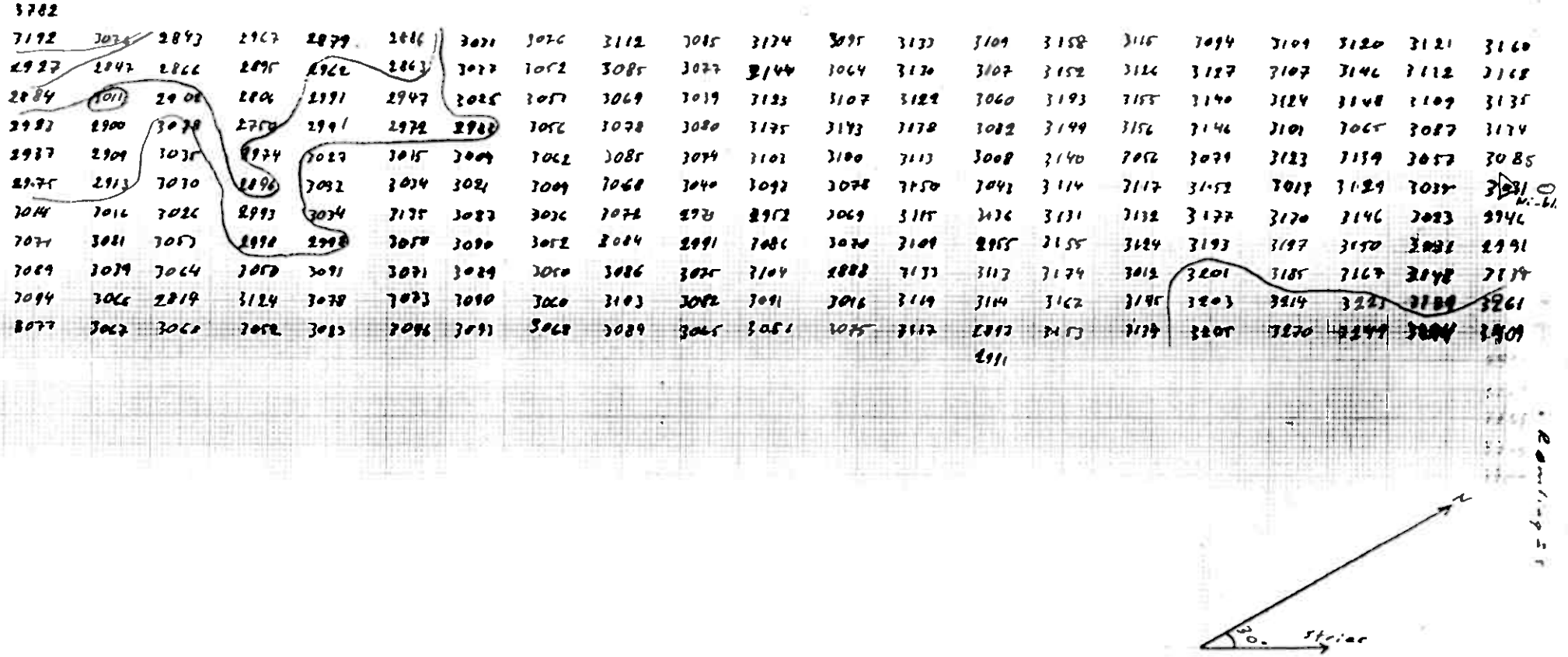

15400W
5300W
5200W
12:050
12:000
11:900
1/90
2/90
6/90
1:1000
A B
C D
E F
G

1P

4C


5400W
5300W
5200W
11900N
11900N
1:1000
Resistivity kΩ
4 C
A B
C D
E F
G


5400W
5300W
5200W
12000N
11900N
A
B
C
D
E
F
G
VLF - R
4 C
4



4505

4005

3505

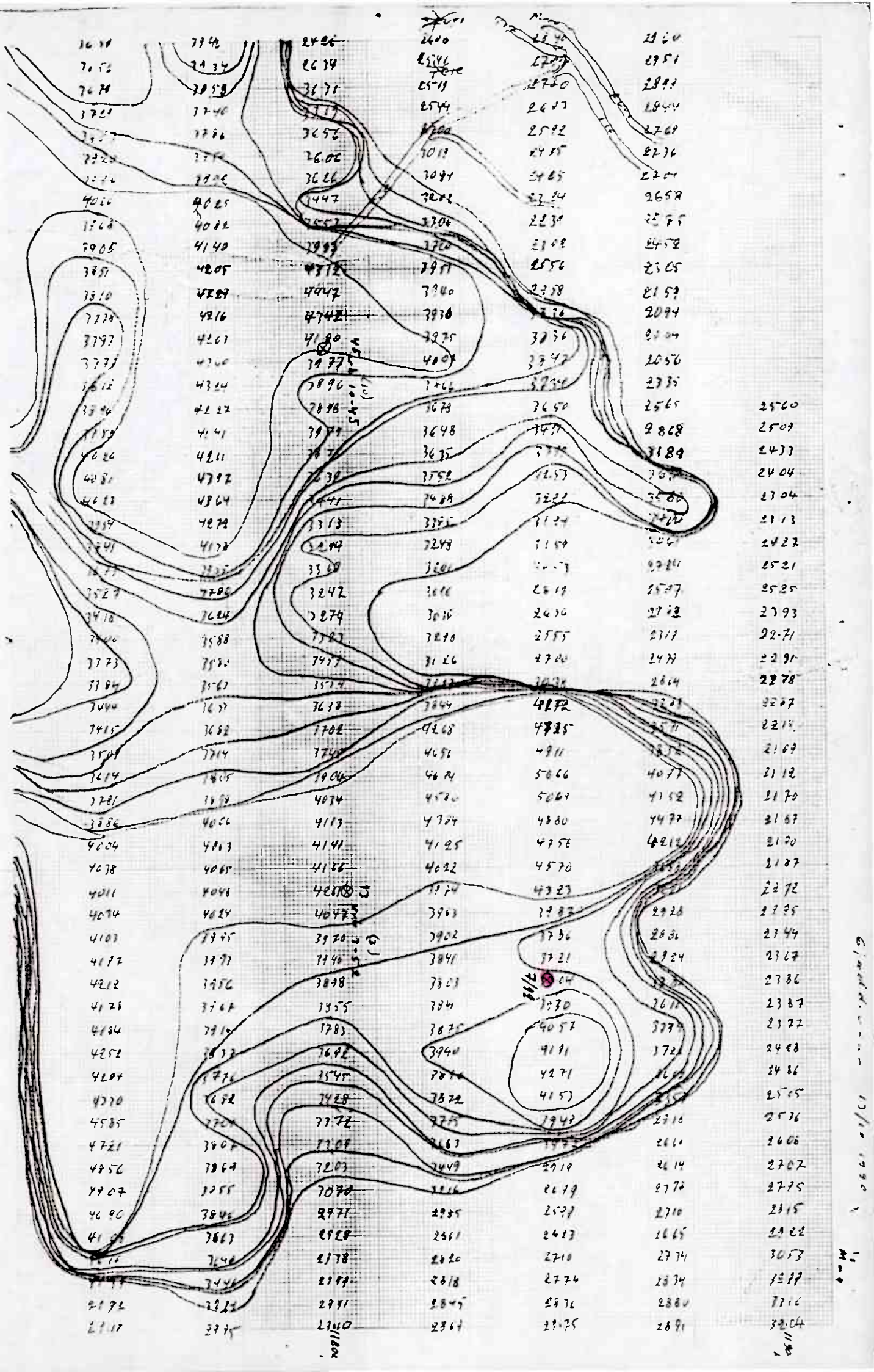
3005

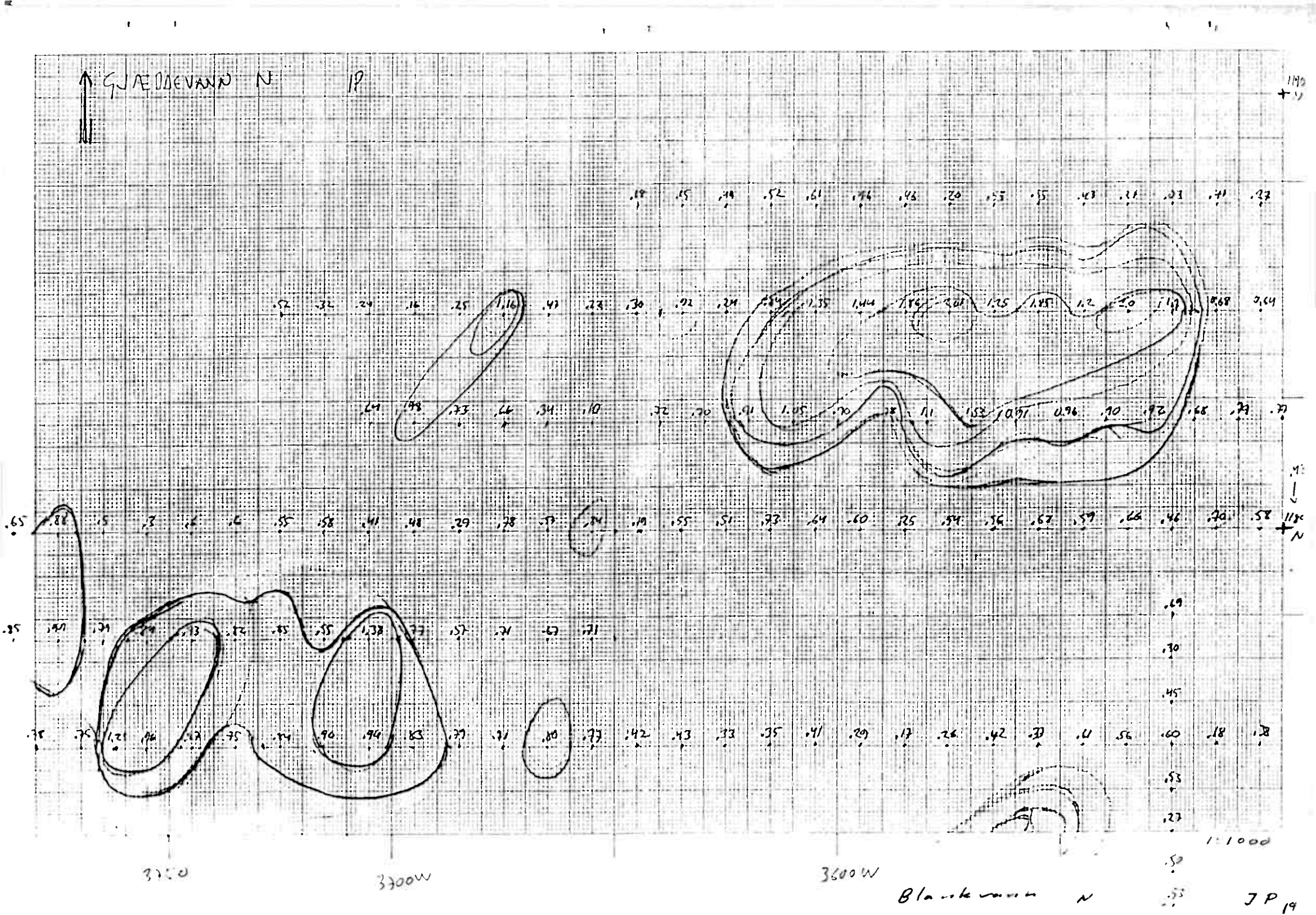
2505

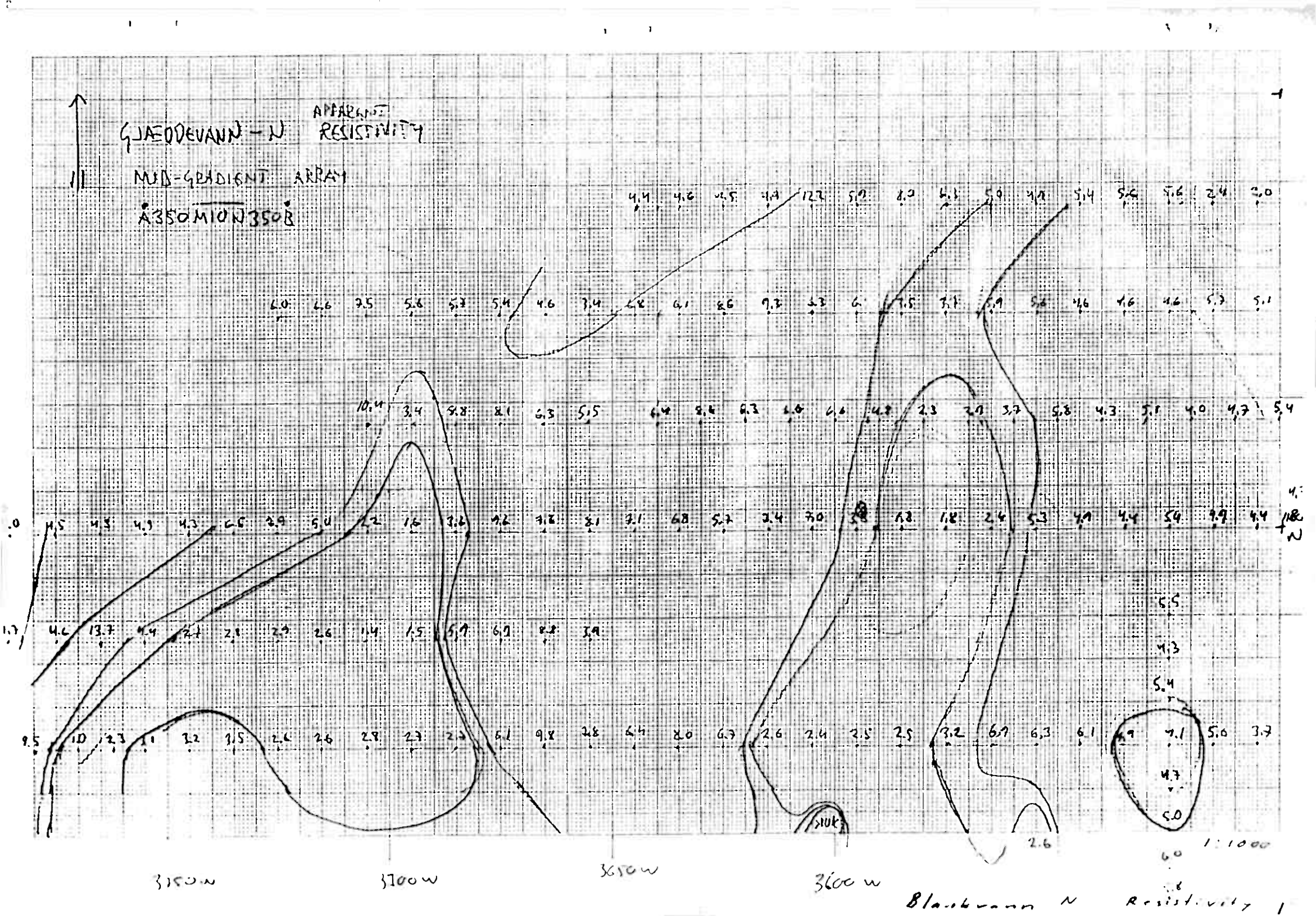
2005

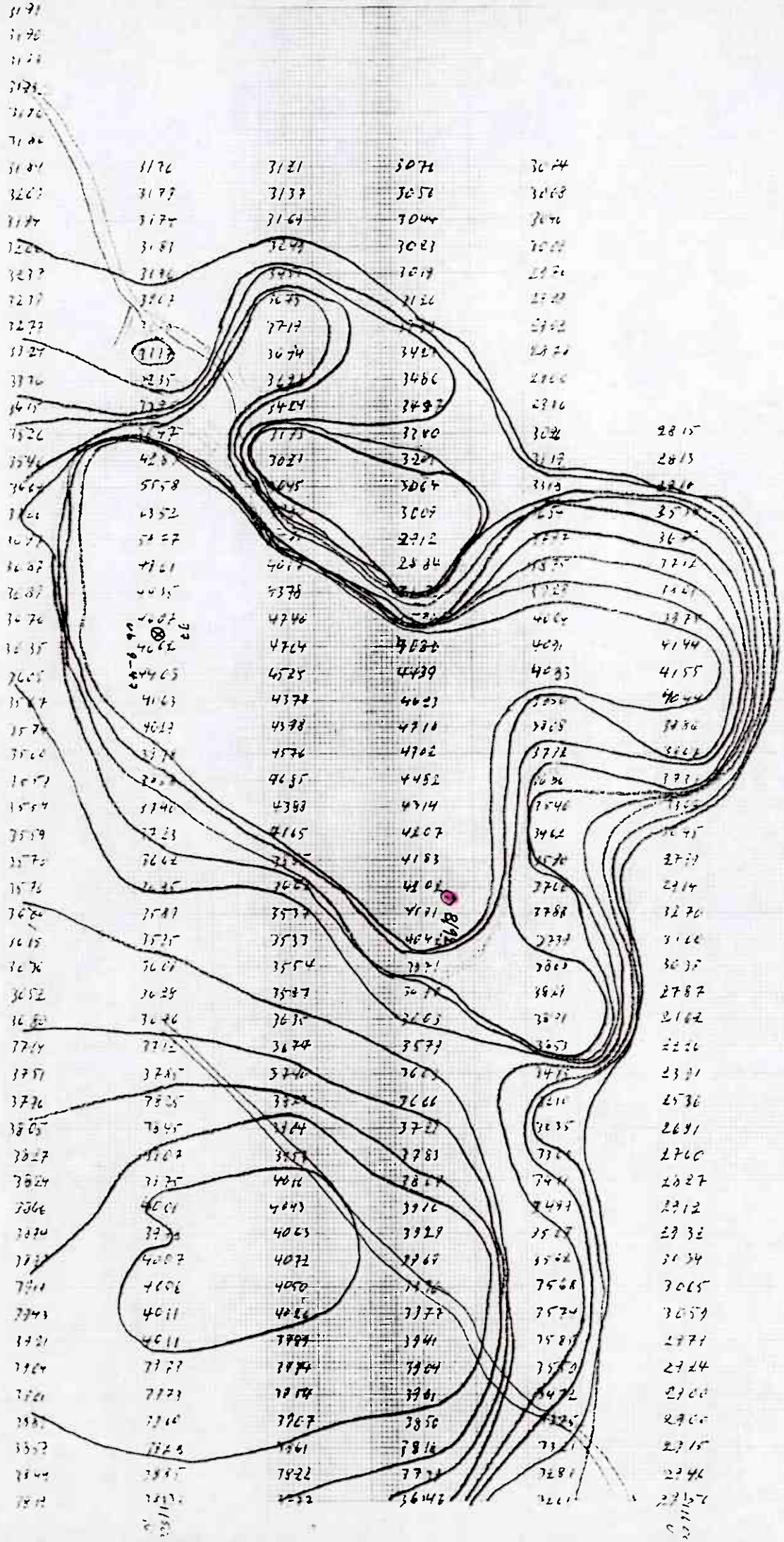
Ma 1:1000 Target 4

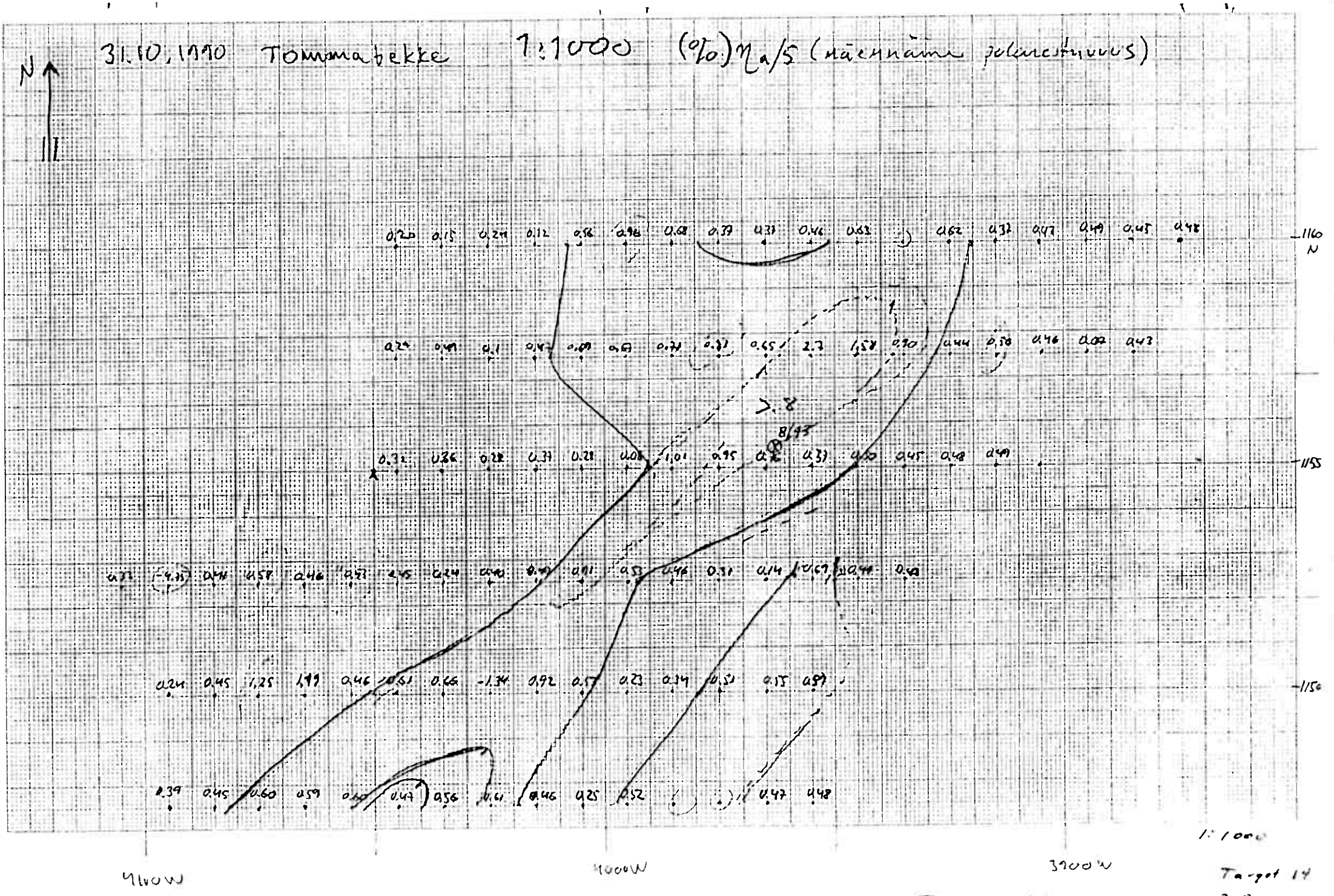
26/6 1992

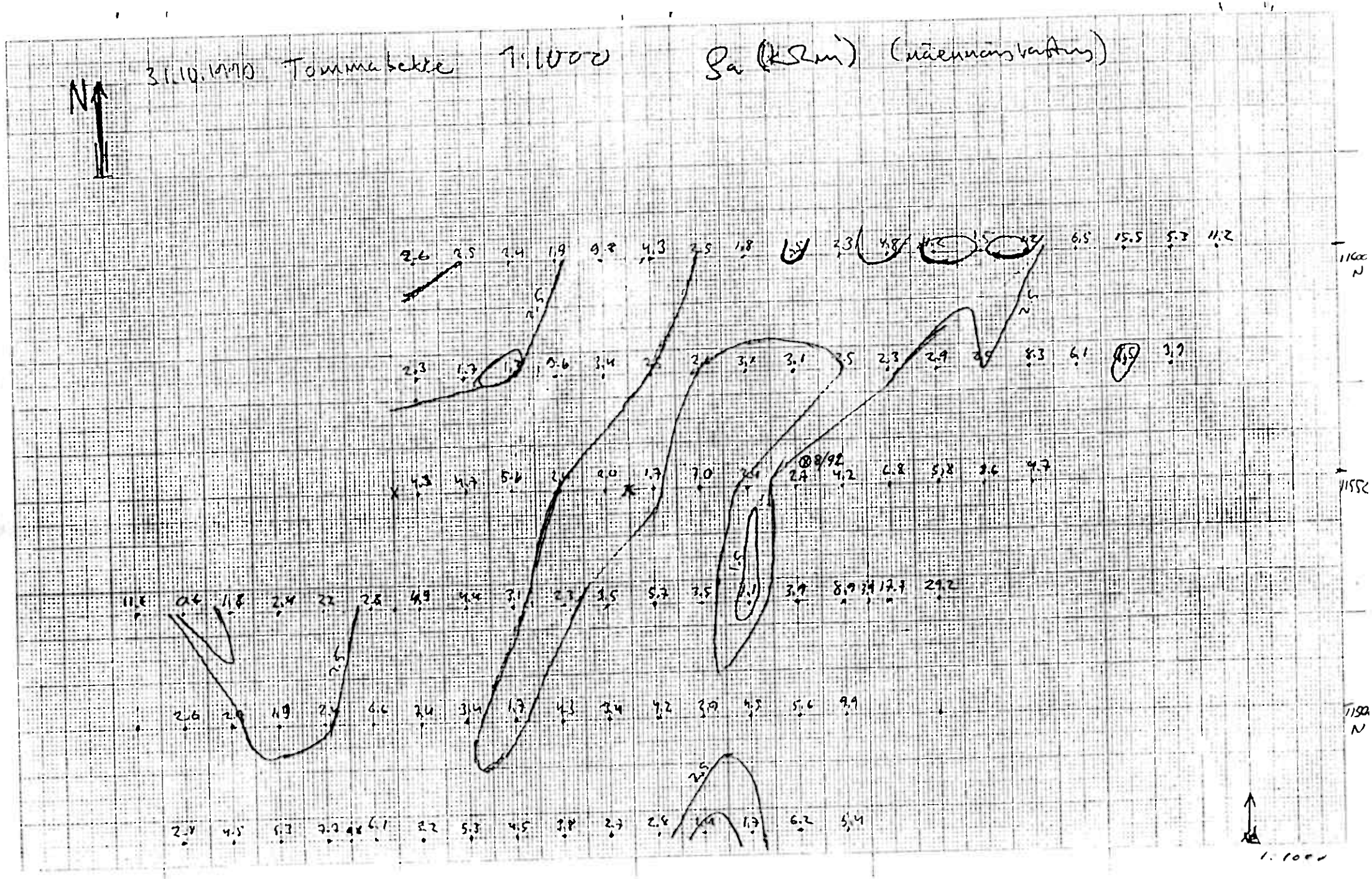



GJÆLDEVANN N 17
3750
3700W
3600W
1:1000
Blankenvann N
JP 19


GJAEDEVANN – N
APPARENT RESISTIVITY
MID-GRADIENT ARRAY
A350M10N350B
3150N
3700W
3650W
3600W
1:1000



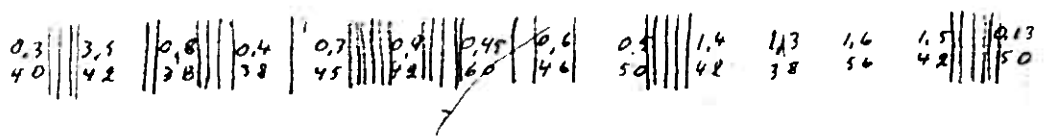

31.10.1990 Tommarbekke 1:1000 (%o) $\eta_{a/s}$ (näennäinen polarisoituvuus)
N
1160 N
1155
1150
4100W
4000W
3900W
1:1000
Tommarbekk
Target 14
JP
13



Tommabäcken Rapport 13

Tommabakke 11/11 1990
VLF - R

1160c N



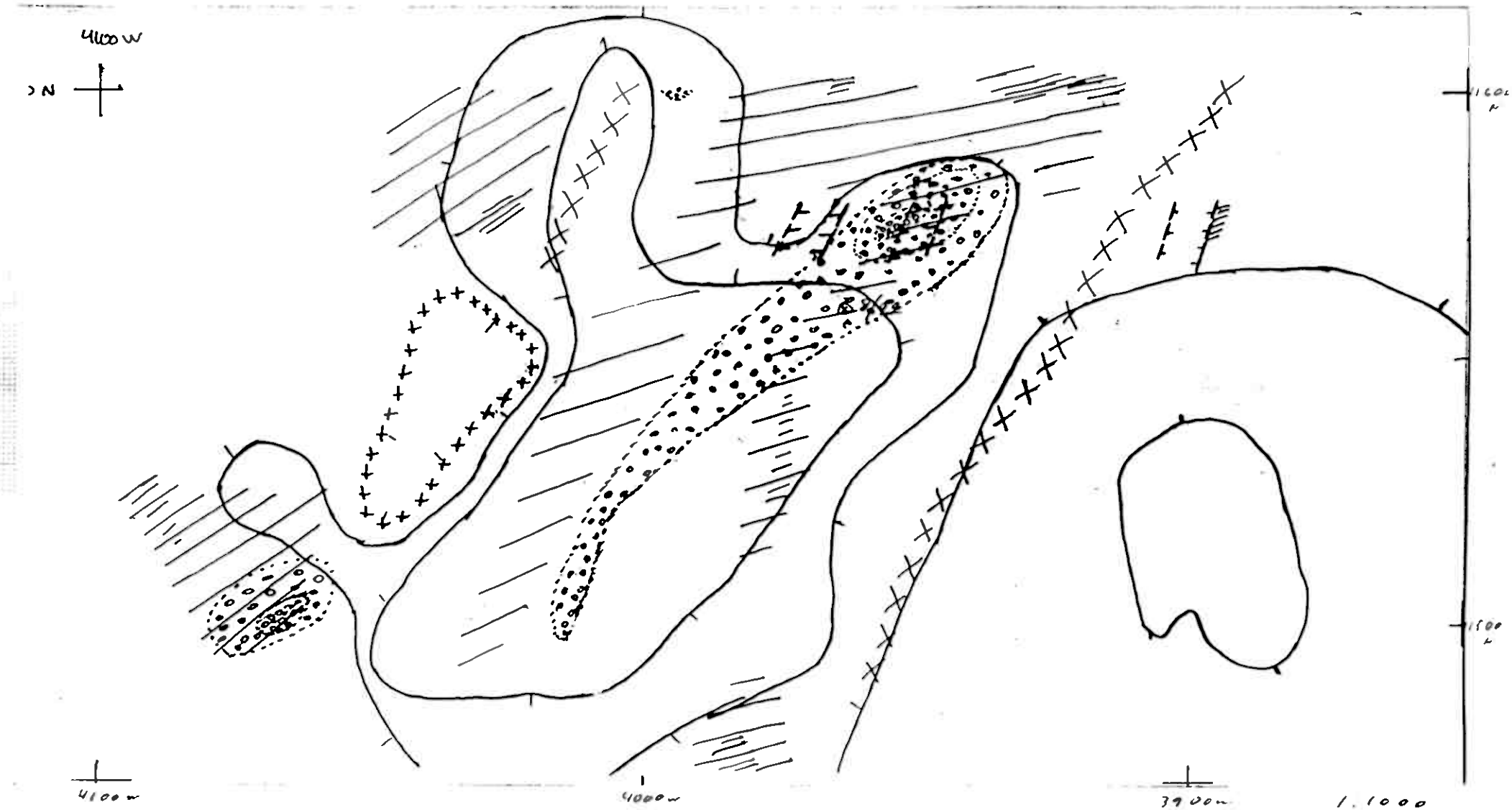
B/12

1150 N

1:1000

4100w 4000w 3900w Target 14

Tommabakke VLF-R 13

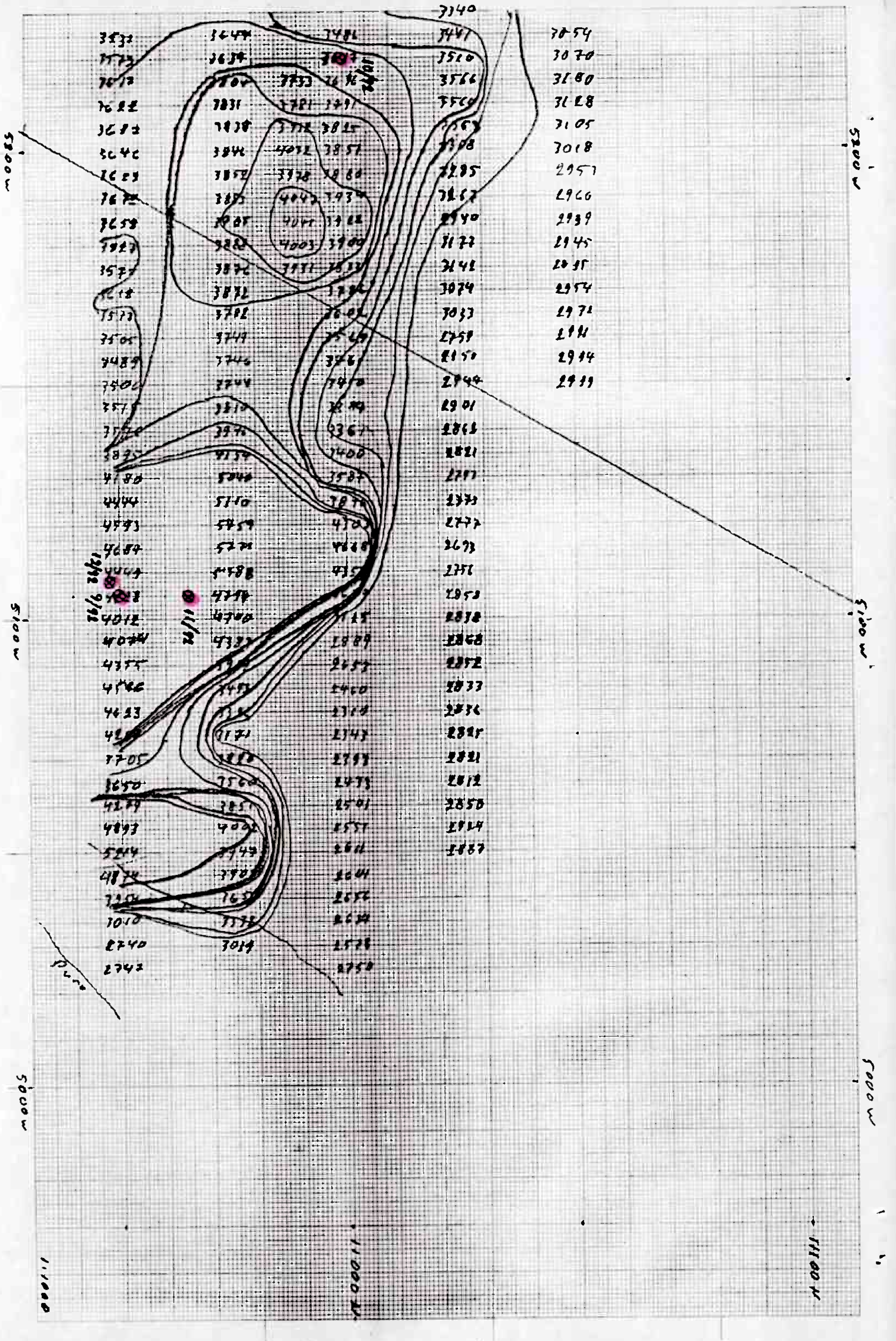


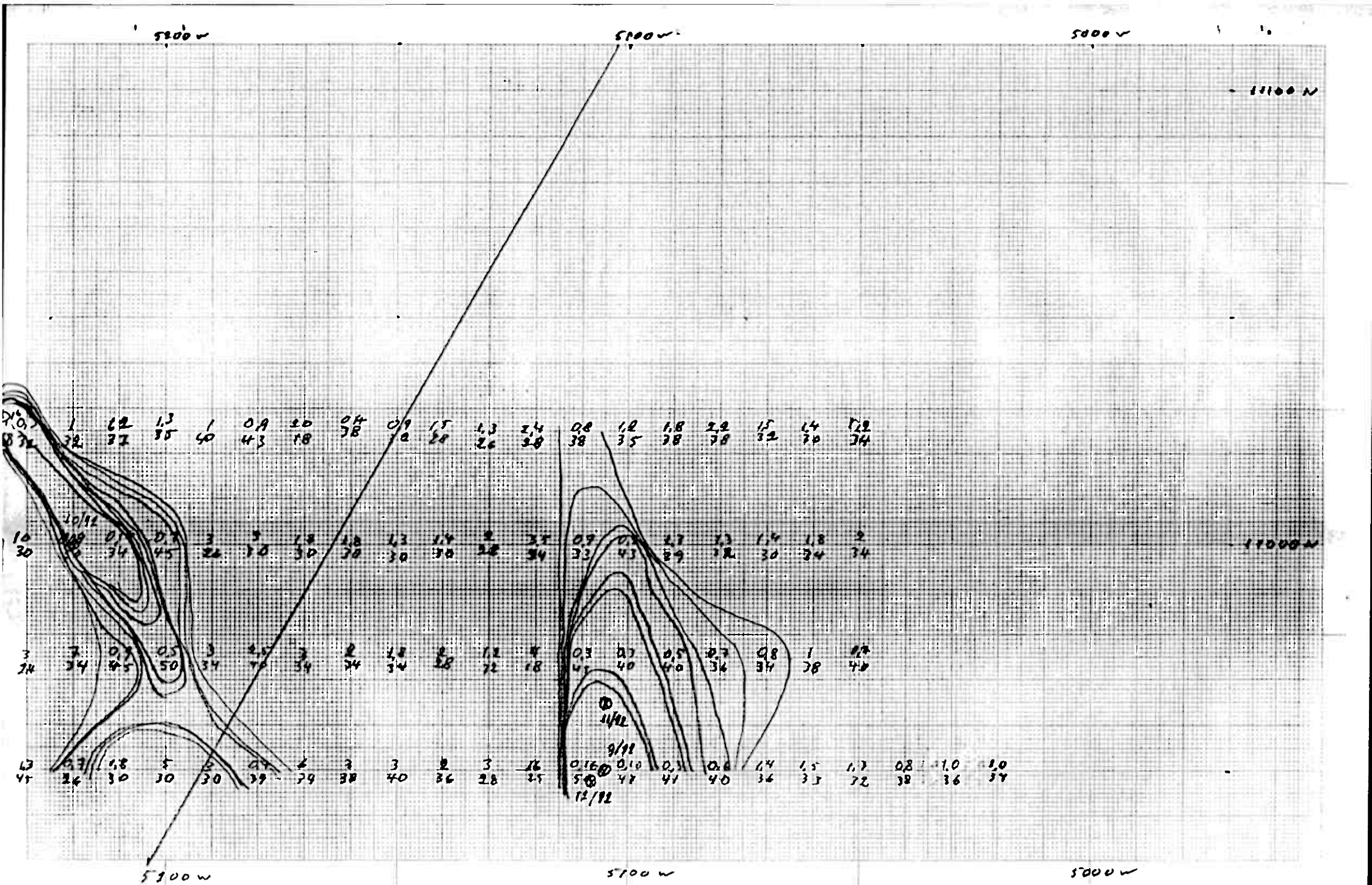
/ / ρ_a (VLF) (Ω-m) conductive zone

XXX resistivity zone

Target 14

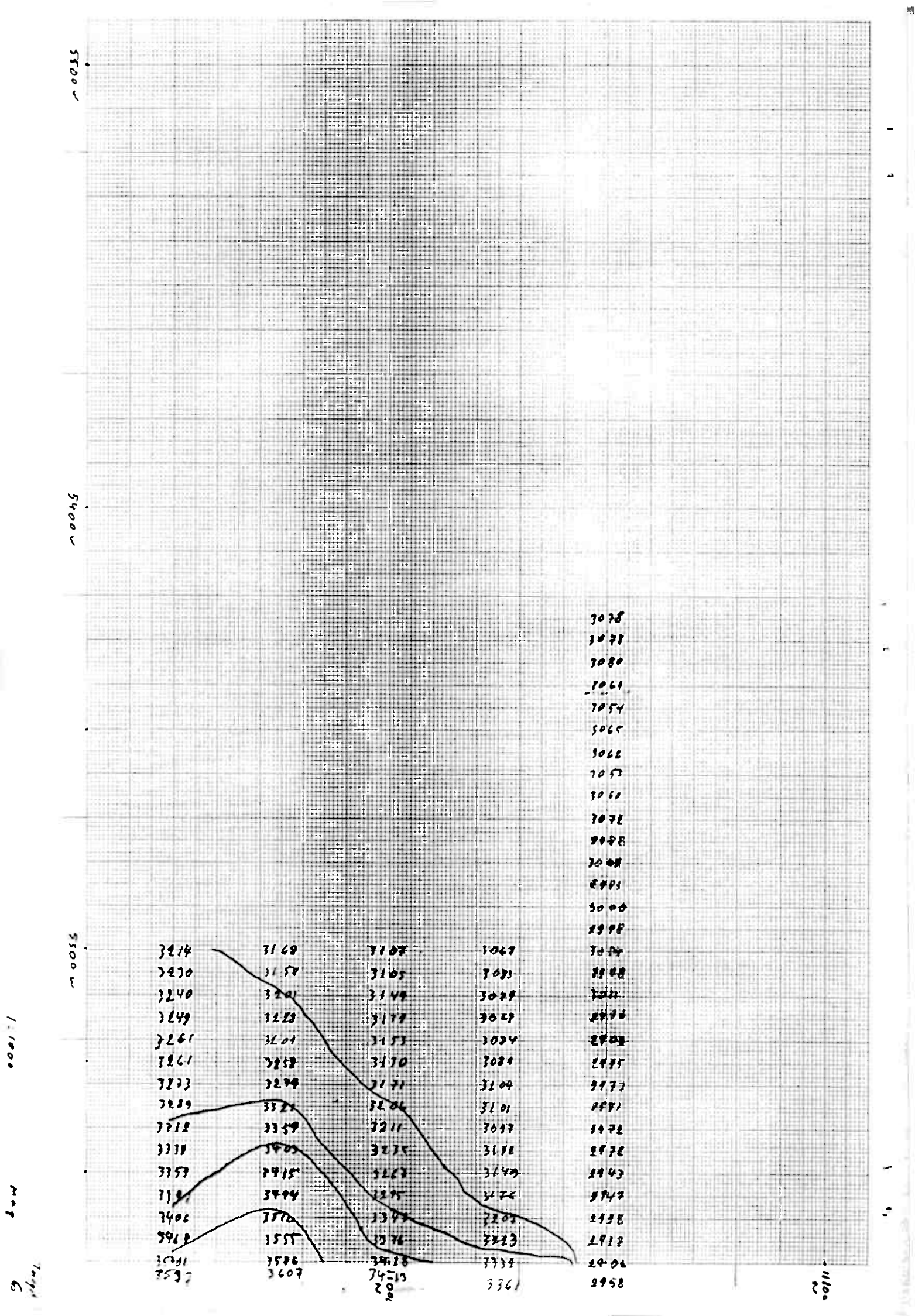
Tommachobbe, Correlation map

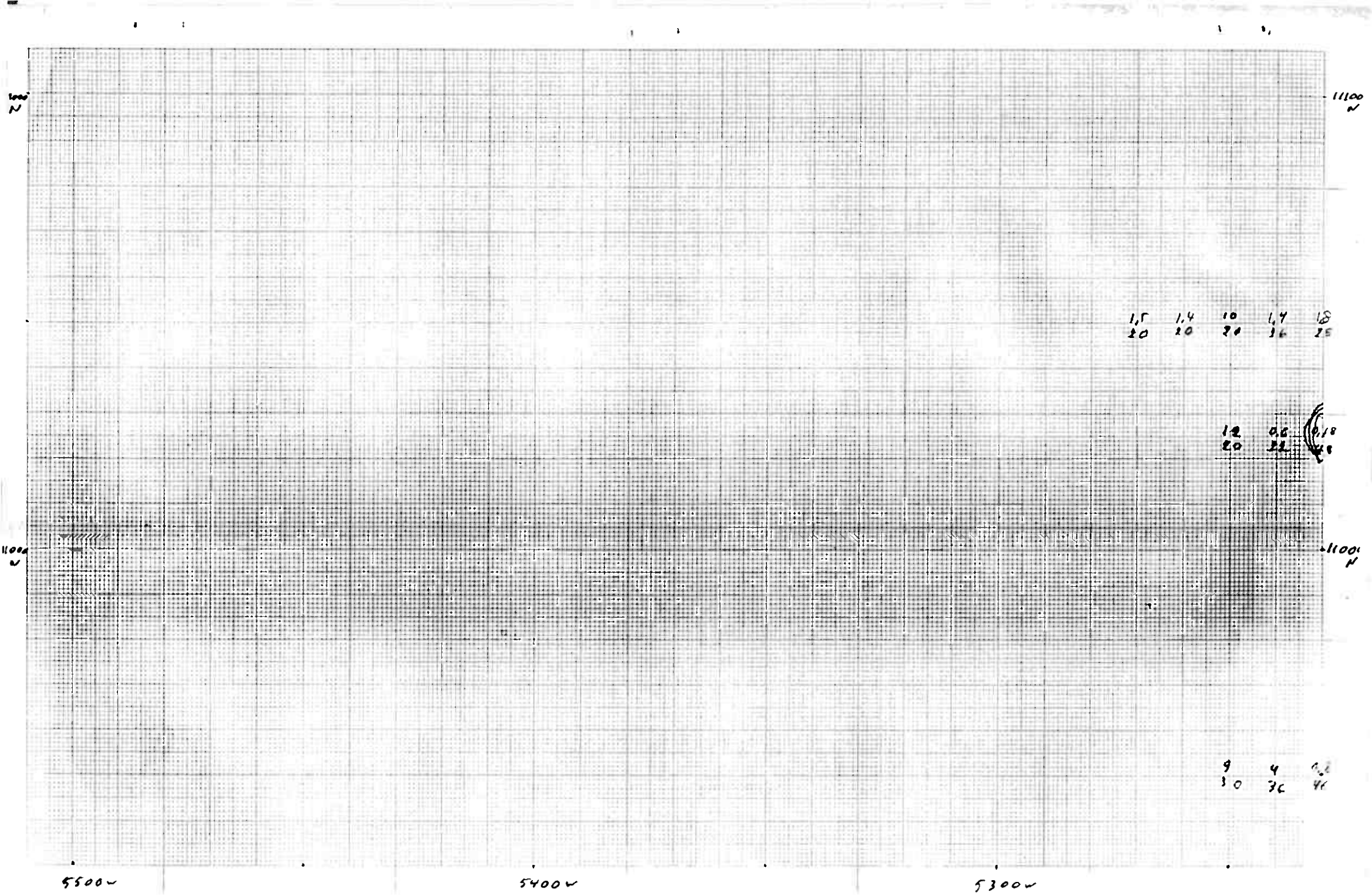

5200W
5100W
5000W
11000N
11100N
1:1000


5200 W
5100 W
5000 W
11100 N
11000 N
5100 W
5100 W
5000 W
10/11
11/12
9/11
12/12

1:1000

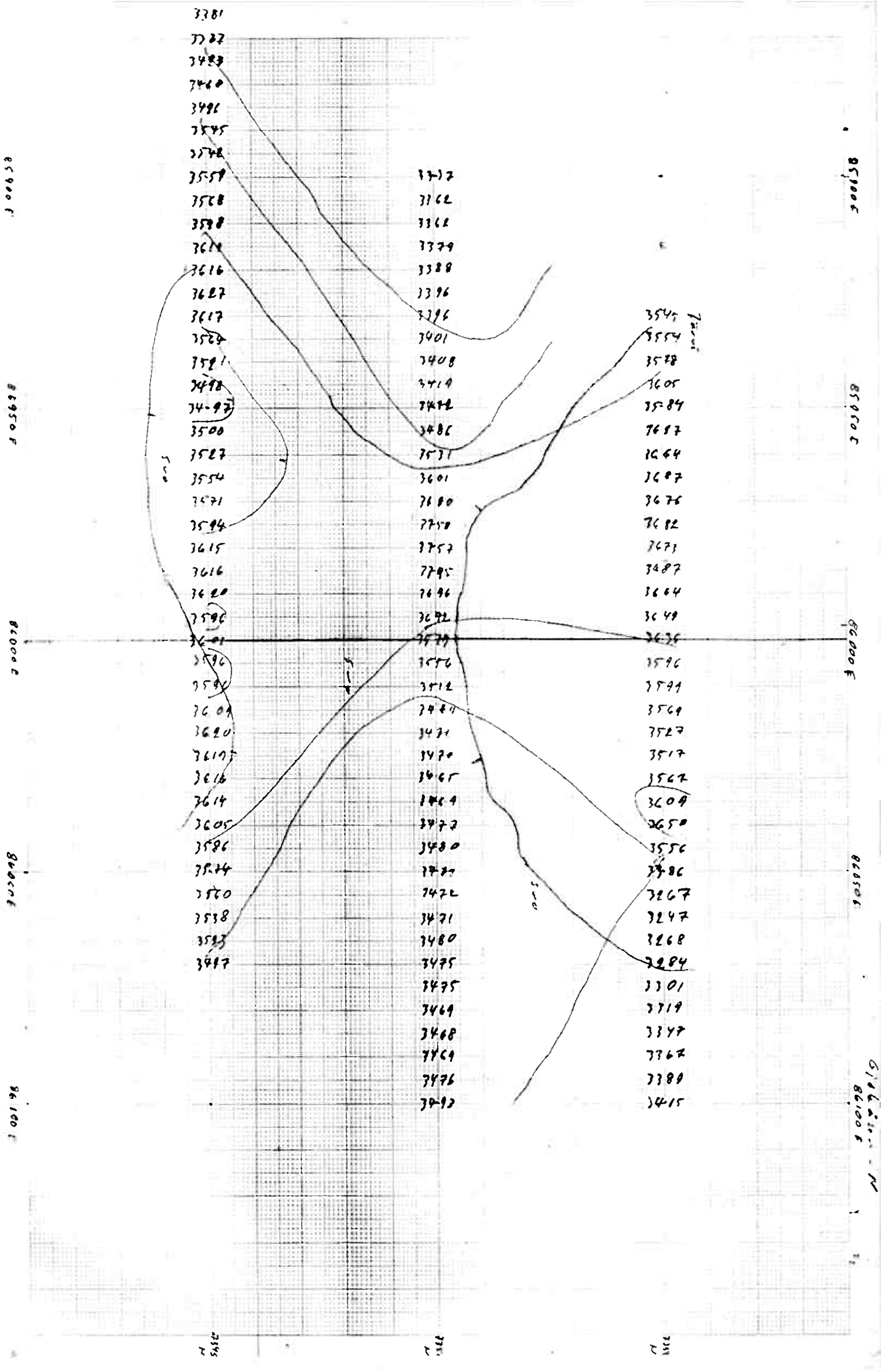
VLF-R 6



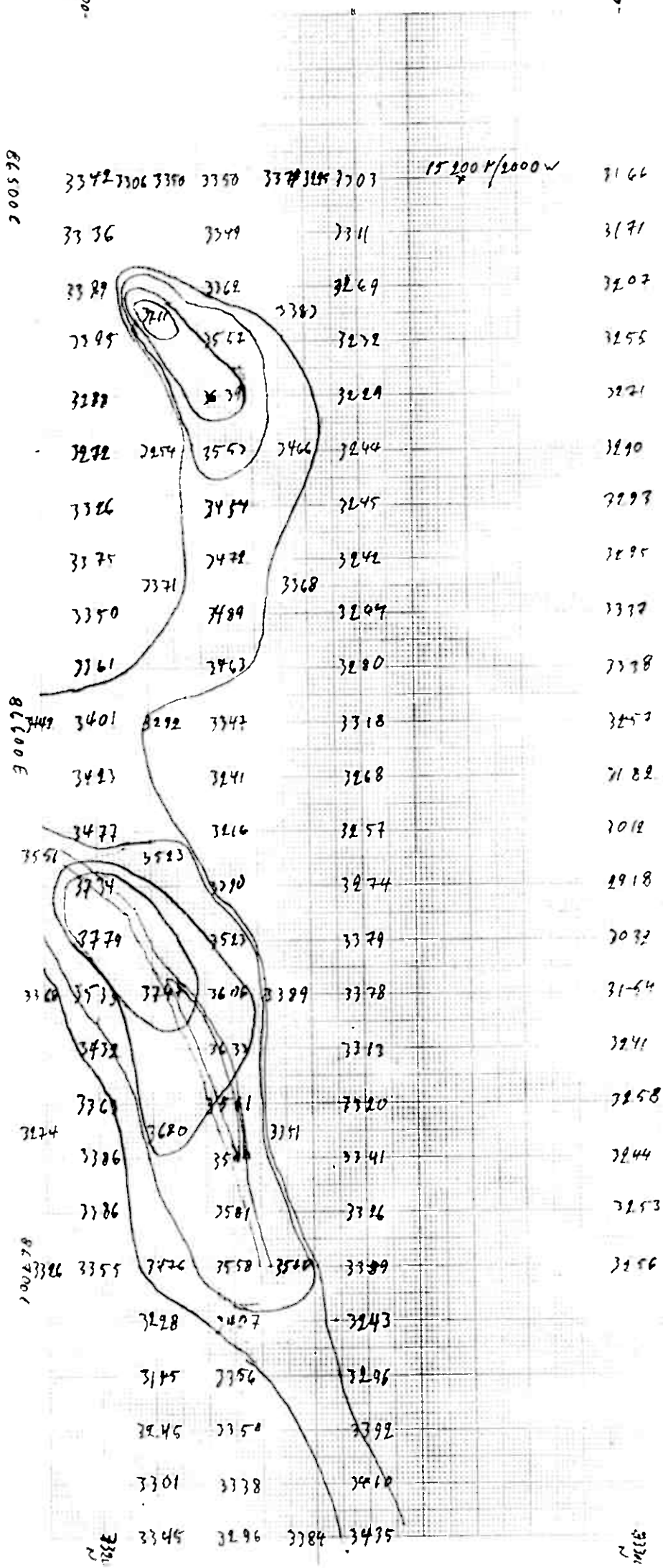

11100 N
11000 N
1,5 1,4 10 1,4
20 20 20 36
12 0.6
20 22
9 4
30 36
5500 W
5400 W
5300 W

Tag

VLF-R 6



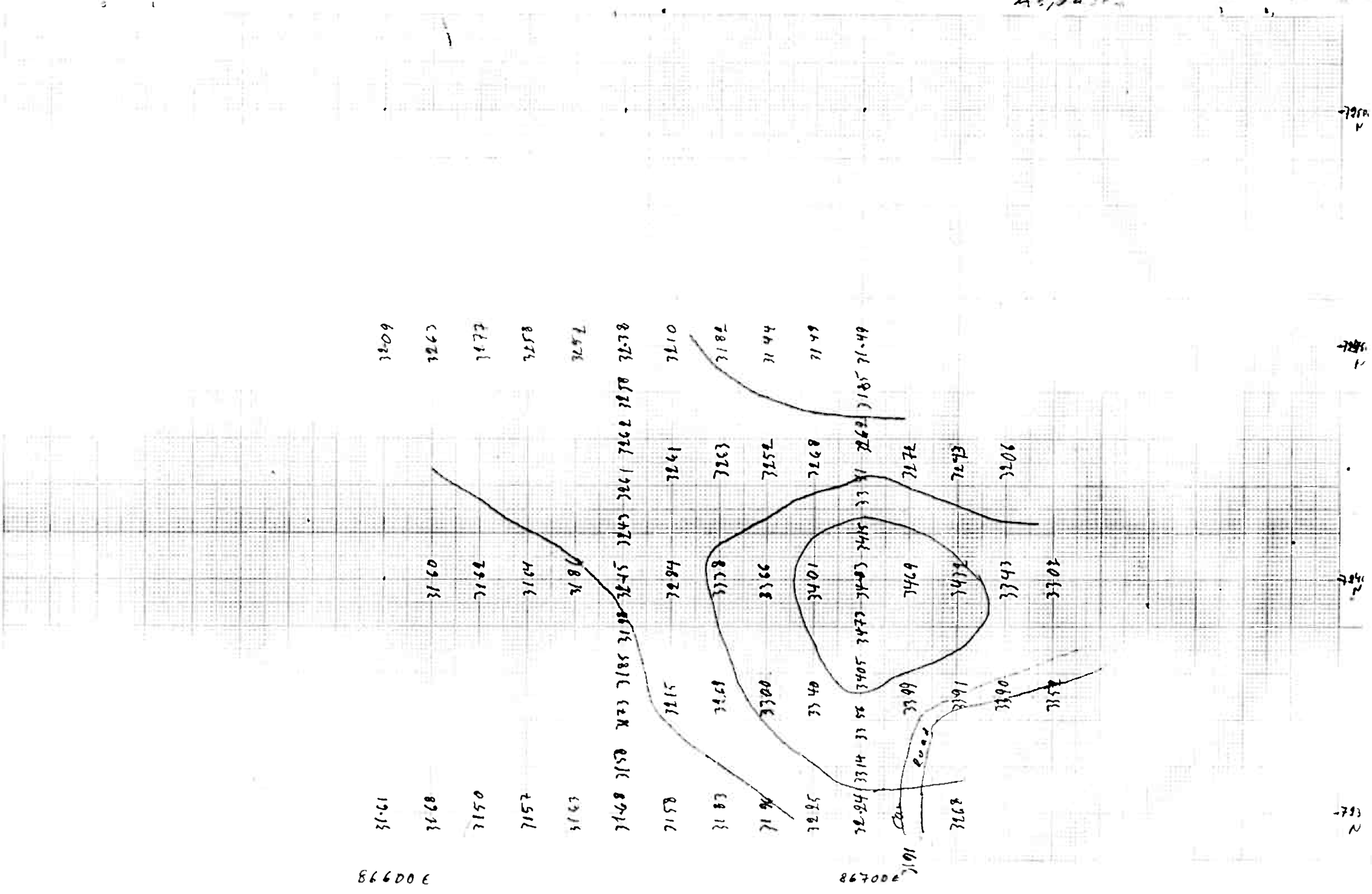
1:1000
Target 15
85900 E
85950 E
86000 E
86050 E
86100 E


15200 N/2000 W
3342 3306 3350 3350 3303
3336 3349 3311 3171
3389 3362 3269 3207
3383
3395 3552 3232 3255
3282 3229 3221
3272 3254 3552 3246 3190
3326 3454 3245 3293
3375 3472 3242 3295
3371 3368
3350 3489 3207 3317
3361 3463 3280 3338
3449 3401 3292 3347 3318 3182
3423 3241 3268 3182
3477 3216 3257 3012
3551 3523
3274 3290 3274 2918
3379 3523 3379 3032
3378 3144
3432 3313 3241
3320 3258
3274 3680 3151
3386 3341 3244
3386 3581 3326 3253
3326 3355 3476 3558 3540 3339 3256
3298 3407 3243
3345 3356 3296
3345 3358 3392
3301 3338 3410
3345 3296 3384 3435

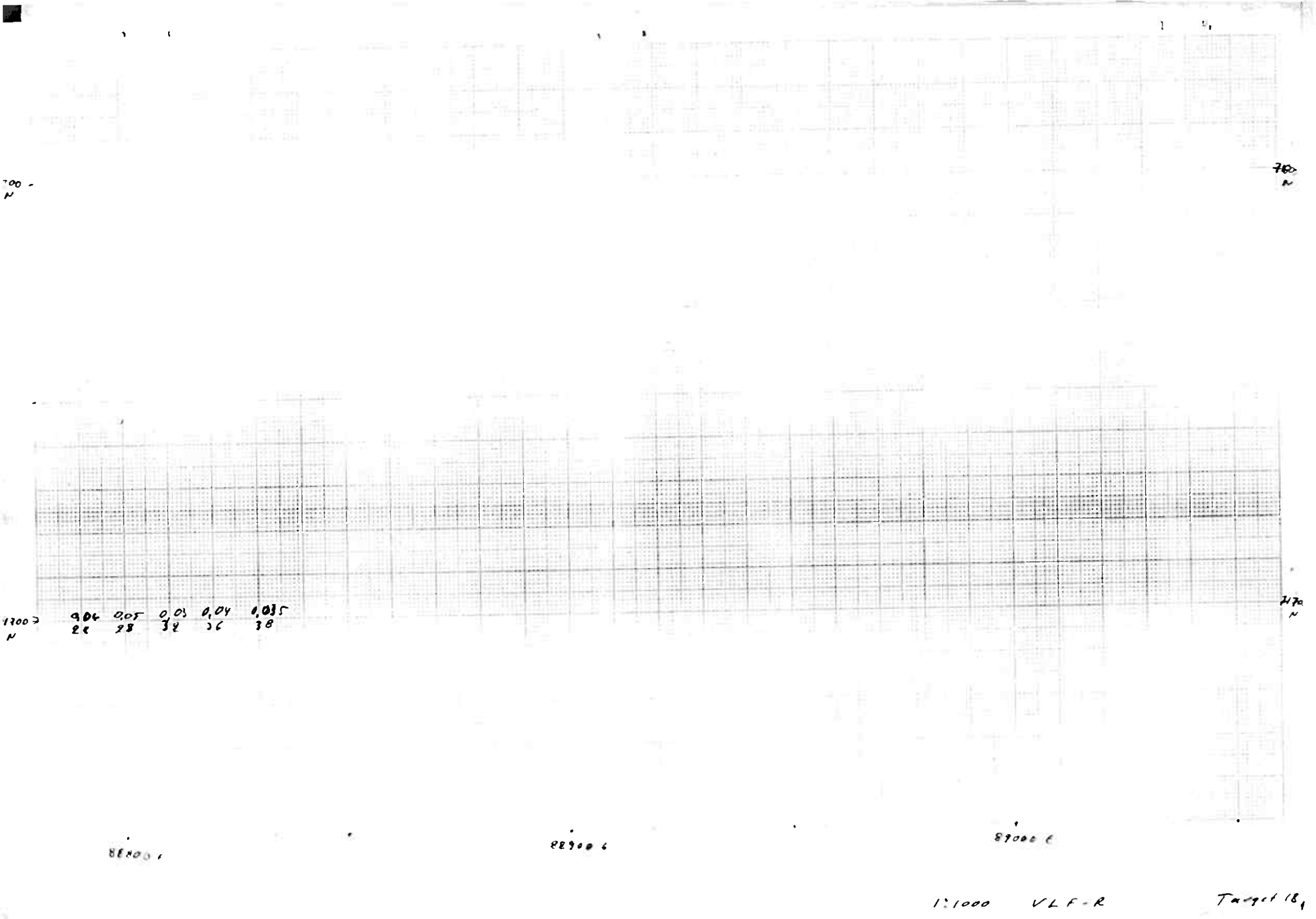
Map 1:1000

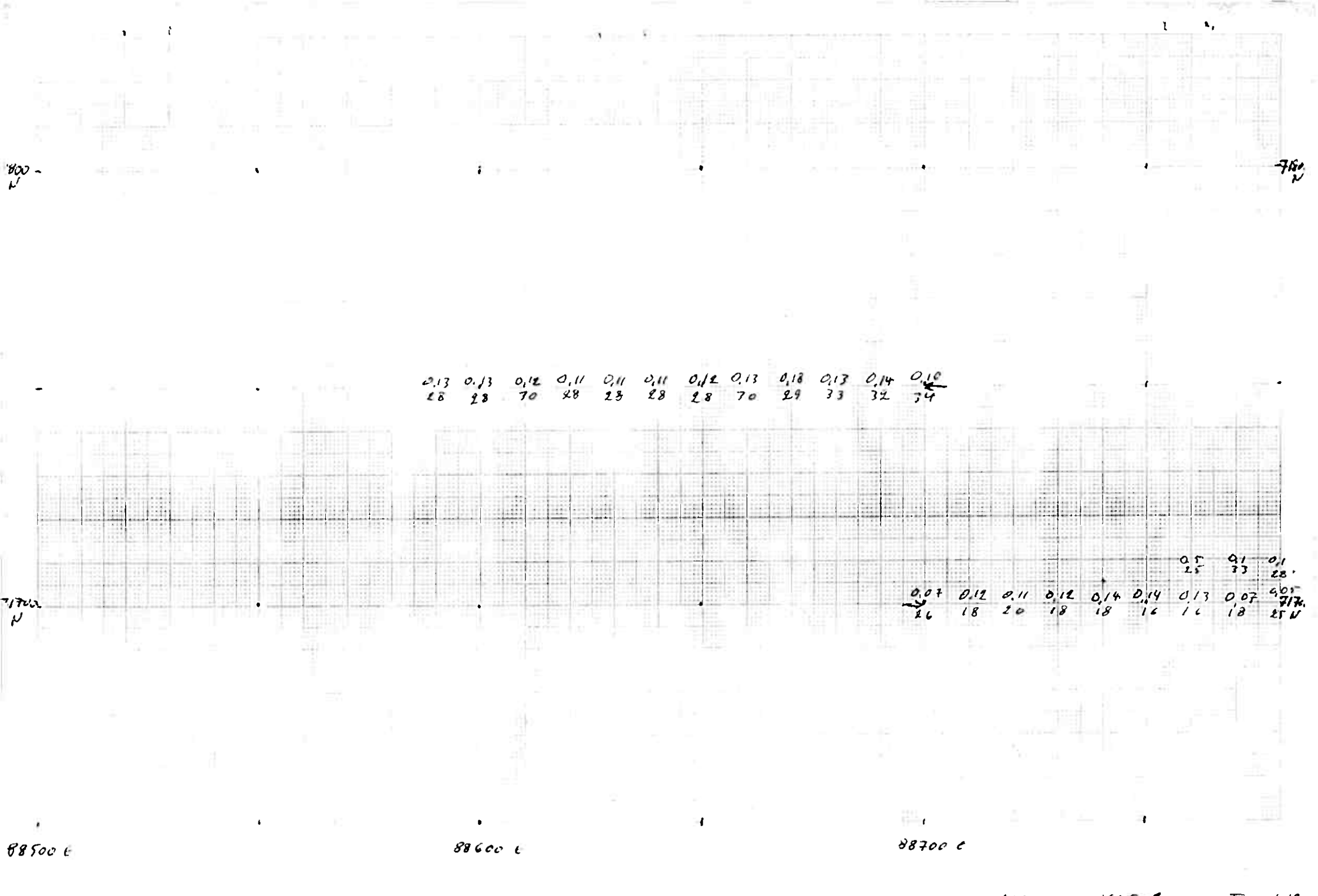
Target 1c

3285			
3306		3232	
3959		3314	
3238		3310	
3276	3354	3469	3410
3207		3179	
3336		3141	
3269		3222	
3270		3192	
3289	3273	3626	

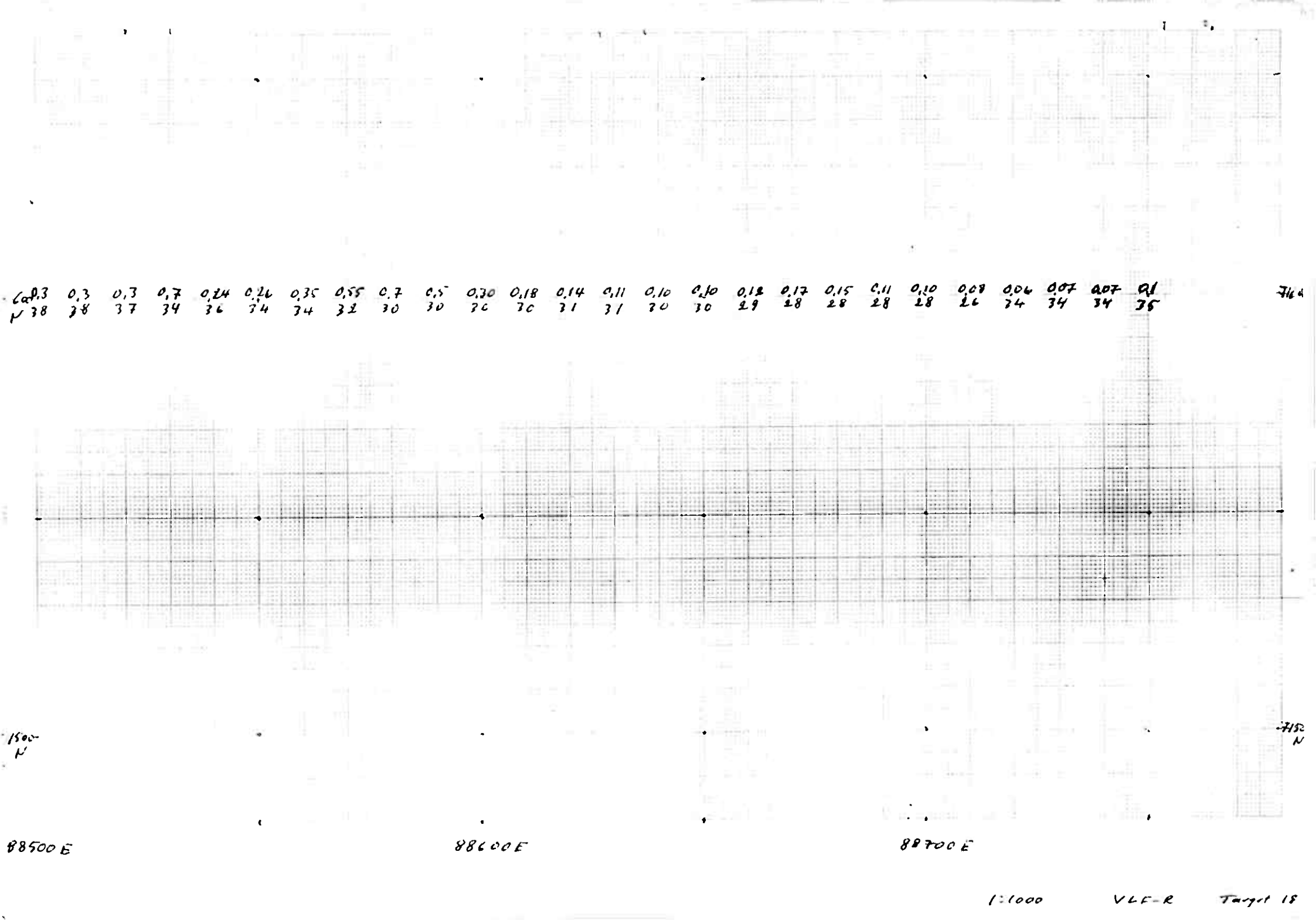


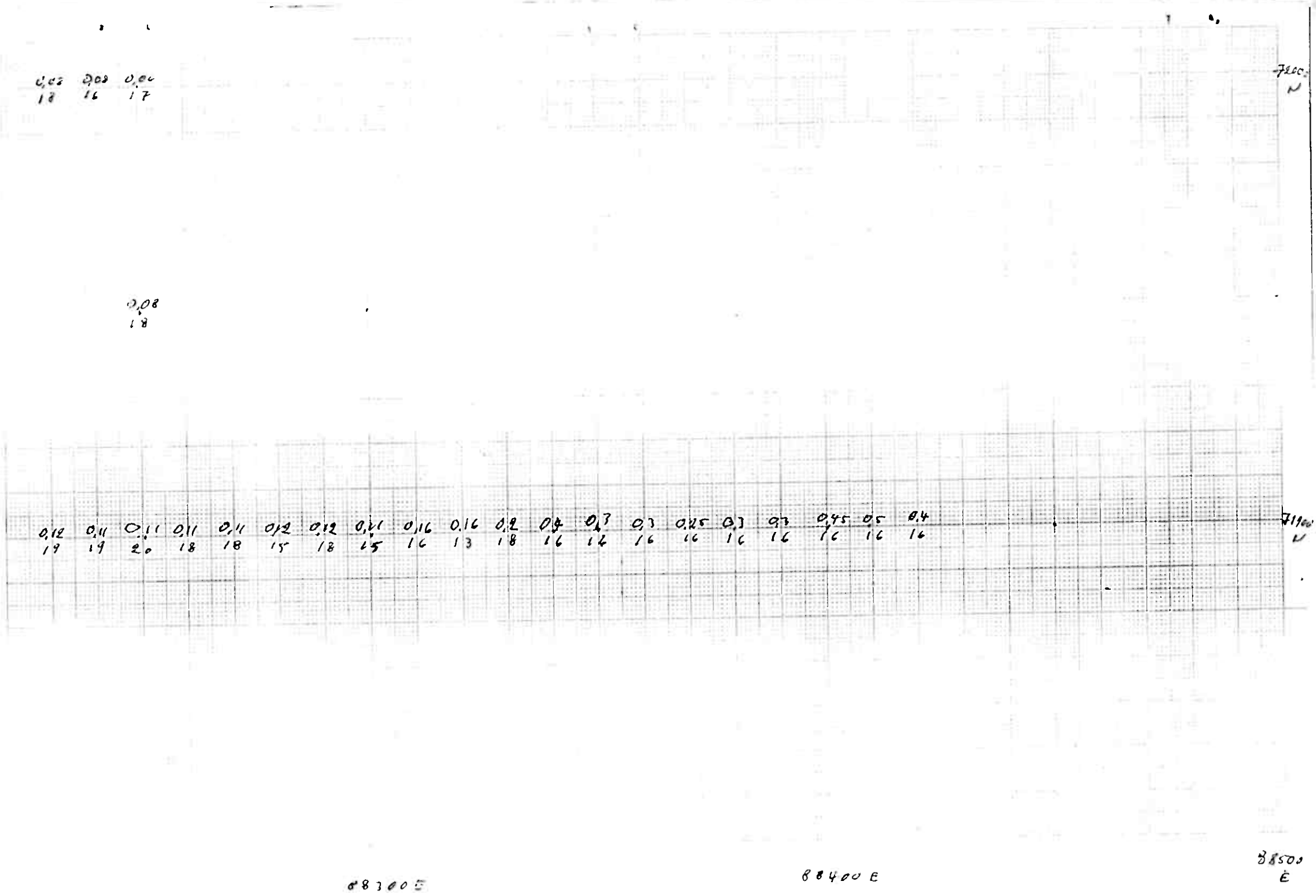
Map 1:1000 Target 17

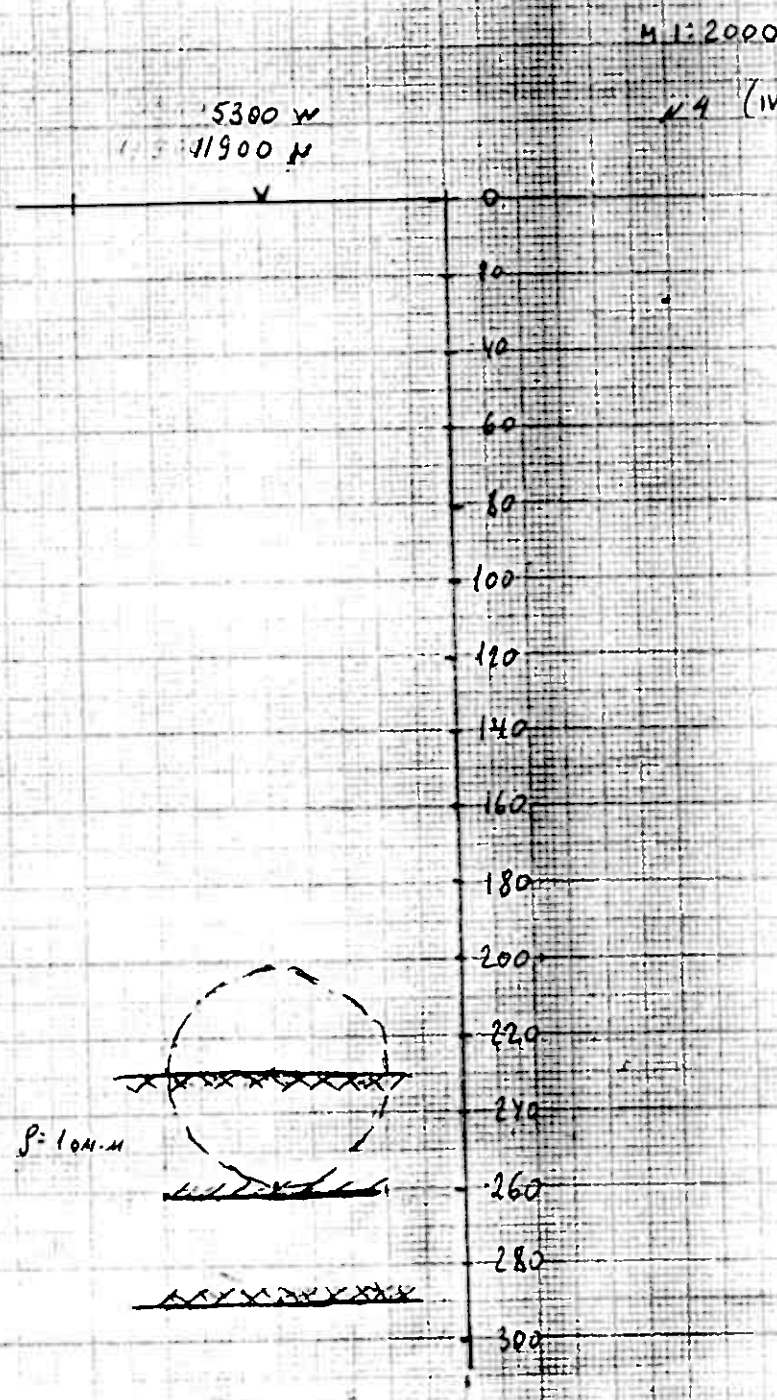

700 N
700 N
1700 N
1700 N
0,04 0,05 0,03 0,04 0,035
22 28 32 36 38
88400 E
88900 E
89000 E
1:1000 VLF-R
Target 18



1:1000 VLF-R Target 18


Cond 0.3 0.3 0.3 0.7 0.24 0.24 0.35 0.55 0.7 0.5 0.30 0.18 0.14 0.11 0.10 0.10 0.12 0.17 0.15 0.11 0.10 0.08 0.06 0.07 0.07 01
V 38 38 37 34 36 34 34 32 30 30 30 30 31 31 30 30 29 28 28 28 28 26 34 34 34 36
7164
7152
1500 N
88500 E
88600 E
88700 E
1:1000
VLF-R
Target 18


0.02 0.03 0.04
18 16 17
7200 N
0.08
18
0.12 0.11 0.11 0.11 0.11 0.12 0.12 0.11 0.16 0.16 0.2 0.4 0.3 0.3 0.25 0.3 0.3 0.45 0.5 0.4
19 19 20 18 18 15 18 15 16 13 18 16 14 16 16 16 16 16 16 16
7100 N
8850 E
8840 E
8830 E
1:1000 VLF-R Target B

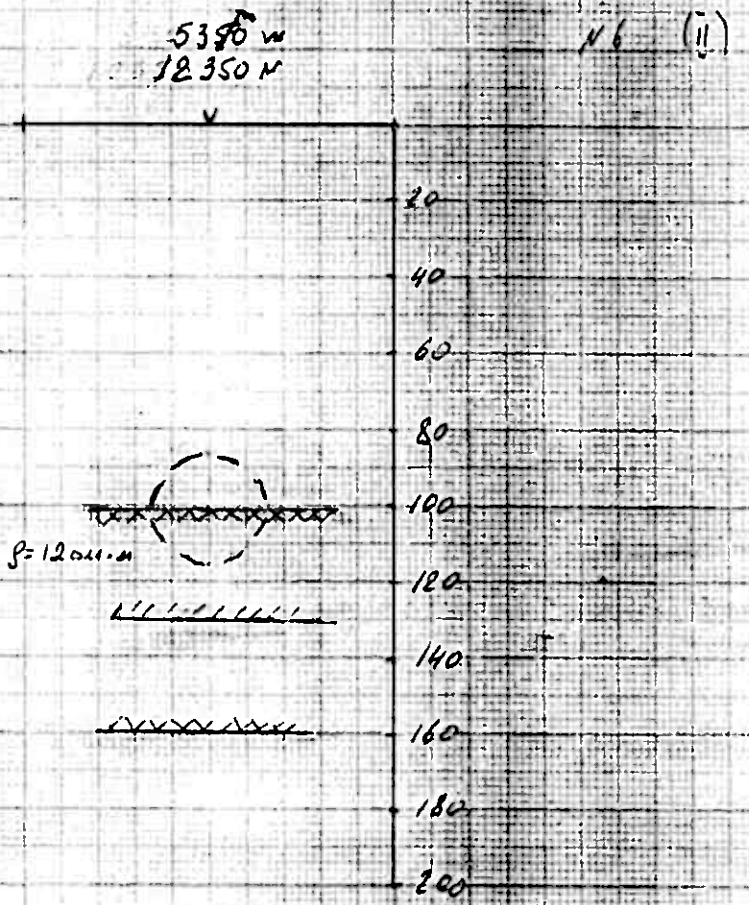


Boundary of isometricity object

Low boundary (lezer) of local stratum body (disc)

Boundaries of stratum (infinity strike of seam.

рис. 2



граница изометричного объекта (шар)

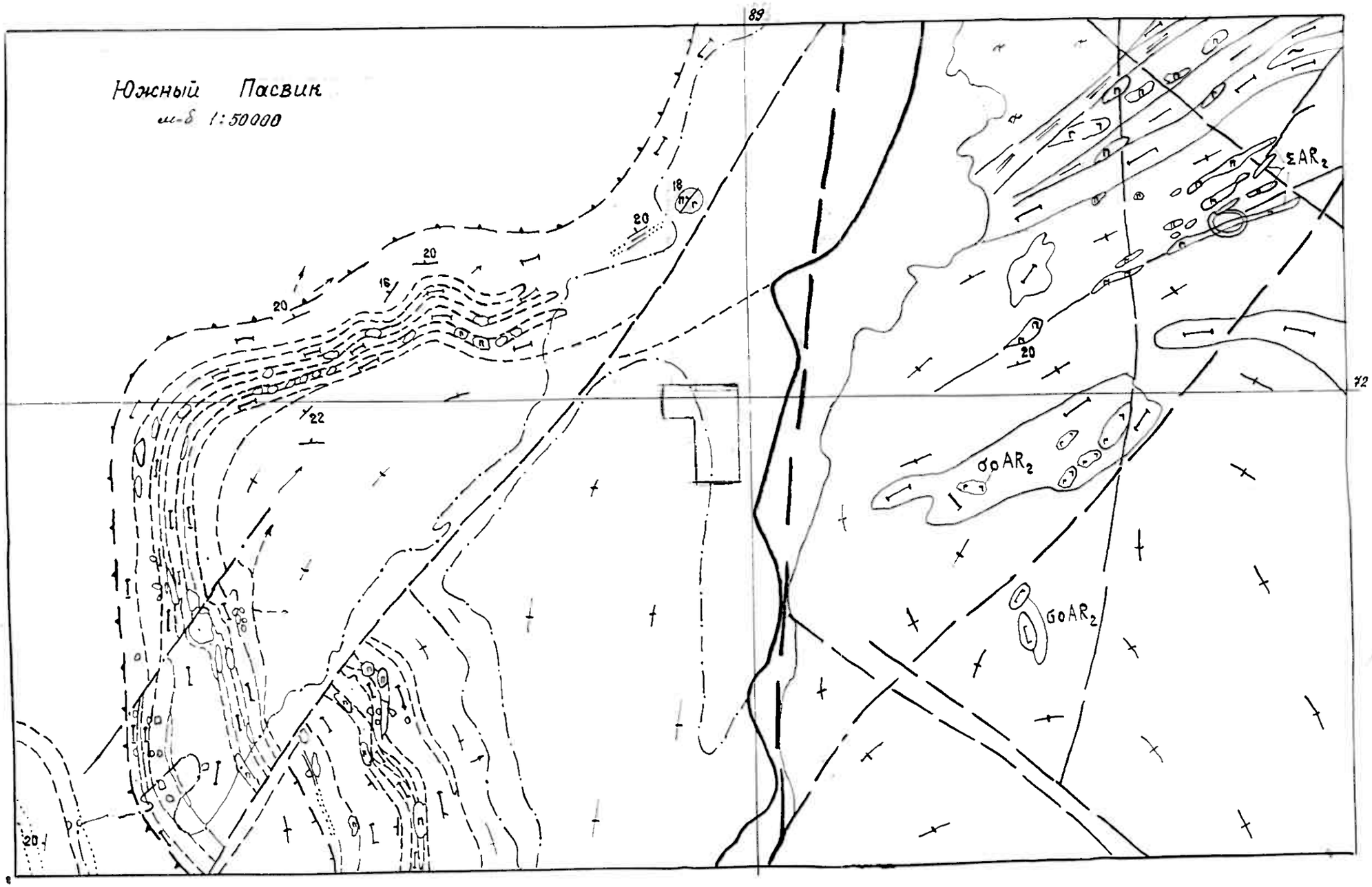
нижняя граница локального пластового тела (диск)

границы пласта (бесконечного по простиранию)

рис 1

Южный Пасвик

м-б 1:50000



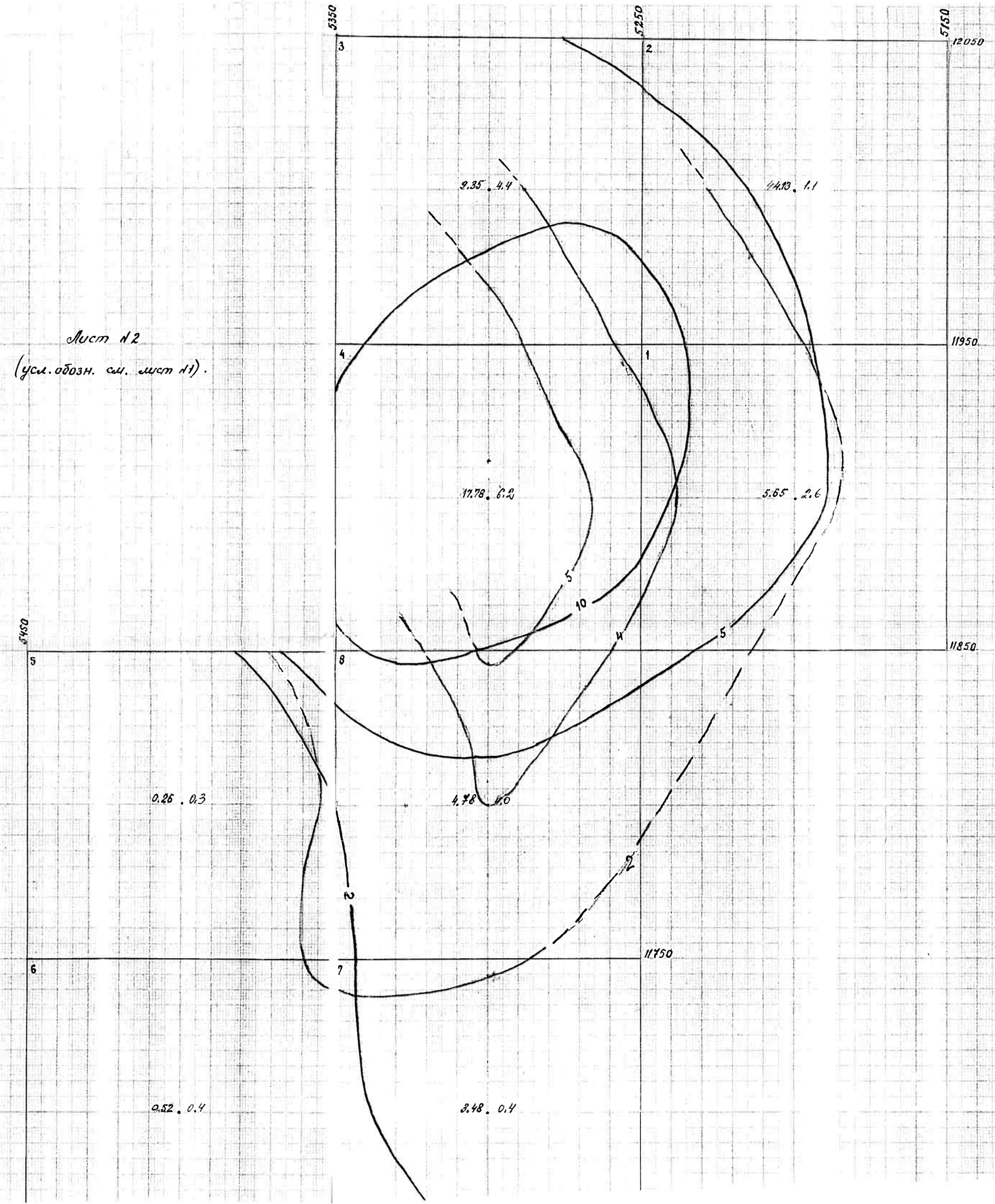
Geology

Лист № 2

(усл. обозн. см. лист №1).

Symbols

76.8.2.1	Valyes of Z - impedance and τ - time constant in the center of measuring square.
100	isolines of Z - impedance in mv/a
10	isolines τ - time constant
-2.5-	Area of negative Z - valye
	Zone of correlation dislocation (tectonic)
100 110	Day surface projection of beef - looking body with the depth of the foot
I — I	lines of the sections



12200 V

12300 N

12400 N

12500 N

12600 N

12700 N

5500 W

5300 W

5100 W

1 2 3 4 5 6 7 8 9 10 11 12

0.52 • 0.5

-110 •

0.63 • 0.5

7.69 • 0.3

95.75 • 8.0

9.63 • 1.0

50 20 10 5 2 1

21.25 • 0.5

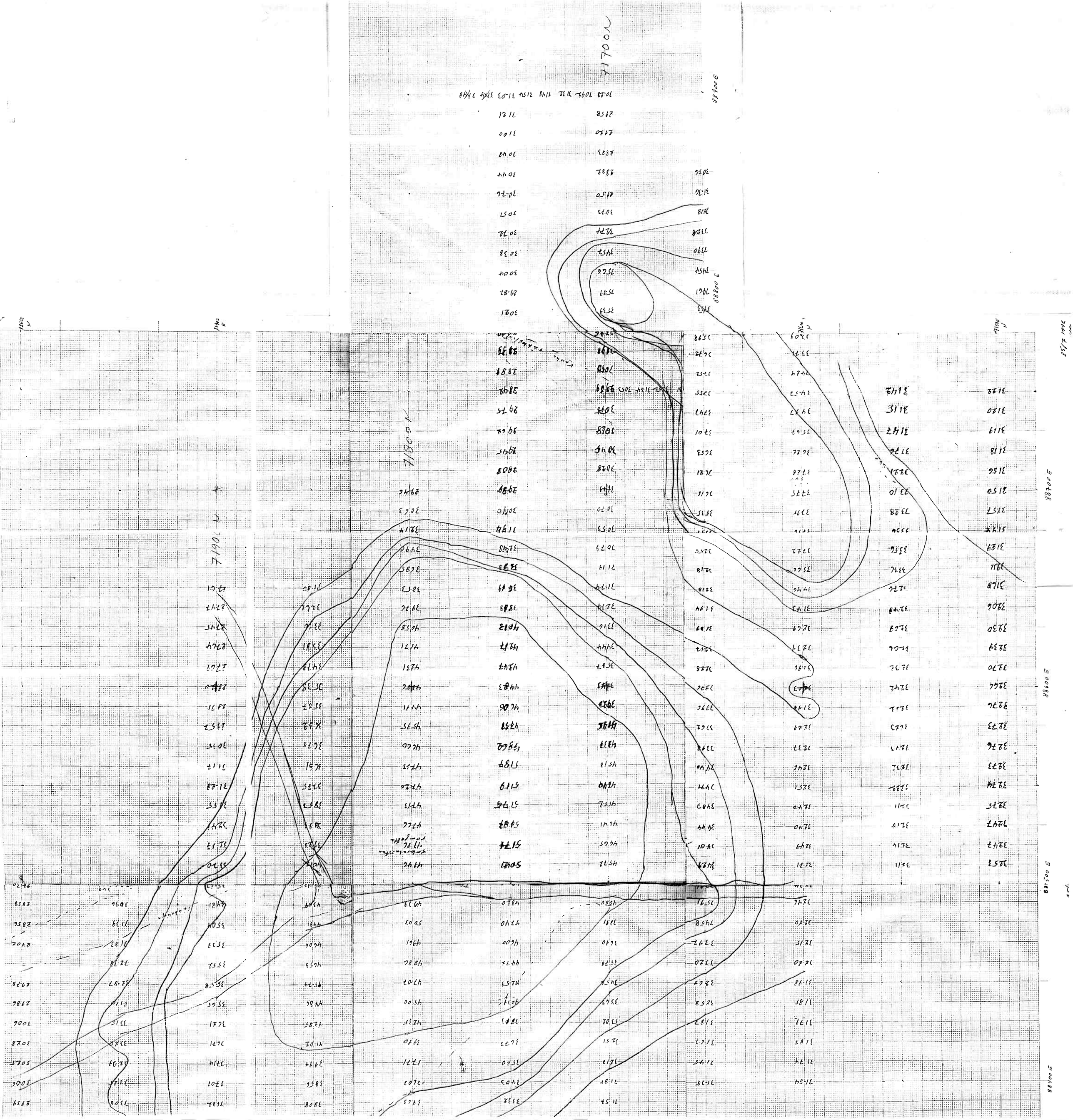
10.0 • 0.3

0.46 • 0.7

-0.09 • 0.5

0.56 • 0.7

12.8 • 1.1



Y1100 I Y1200 Y1300 Y1400 Y1500 Y1600 II 88400 88500 88600 88700 88800 88900

49 40 39 35 36 16 17
2.30 . 0.4 8.26 . 3.0 6.96 . 2.5 21.27 . 3.6 13.43 . 1.2 2.27 . 1.2 1.33 . 1.6
48 41 38 33 32 37 19 18
13.85 . 1.5 67.56 . 3.0 118.1 . 3.2 141.8 . 3.8 63.93 . 7.7 34.6 . 7.6 34.6 . 3.1 5.9 . 2.2
46 47 42 34 31 22 20 21 52
579.11 . 8.3 423.9 . 6.1 211.9 . 7.5 138.06 . 8.0 88.6 . 10.2 34.24 . 7.7 71.15 . 3.4 24.8 . 2.6 1.23 . 0.9
III III III III
45 44 43 29 30 23 24 50
244.88 . 9.9 172.86 . 6.2 134.23 . 7.2 148.27 . 10.3 82.73 . 6.6 100.3 . 10.0 105.0 . 7.2 68.52 . 3.7 11.17 . 0.9
28 27 26 25
963 . 11.3 814 . 8.8 982 . 5.4 915 . 2.6
I II

Условные обозначения

759 . 2.1 – Значения Z импеданса и τ постоянной времени, относящихся к центру петли.

Изолинии Z импеданса в ш/а

Изолинии τ постоянной времени

Область отрицательных значений Z

Зона нарушения корреляции (тектоника)

Проекция пластообразного тела на дневную поверхность с изогипсами подошвы пласта

I—I Линии разрезов

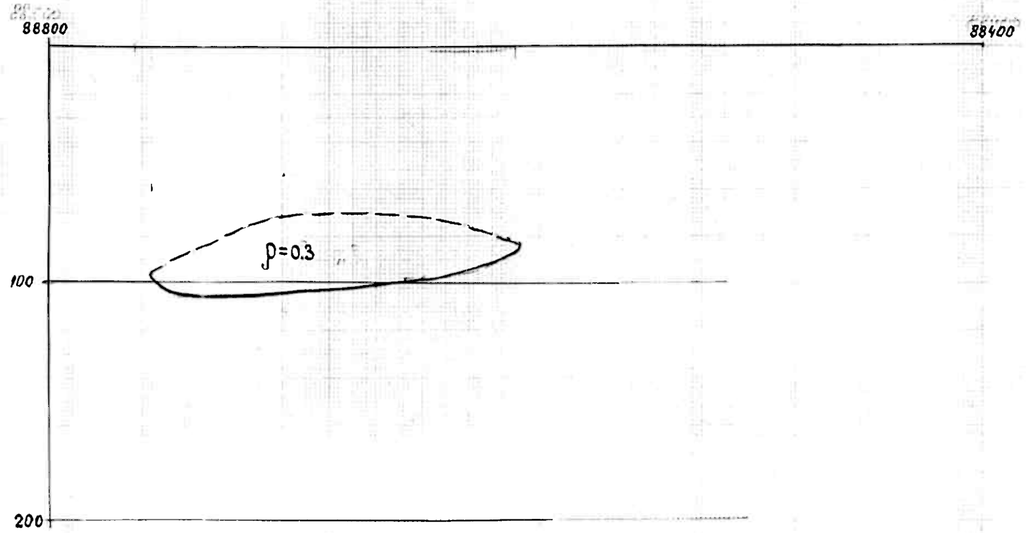
Лист №1

71800
71900
72000
72100
87900
88800
88100
88200
88300
9
10
11
8
7
12
5
6
13
4
3
14
1
2
-1.30.
-1.75.
-1.90.
-2.43.
-2.60.
-2.76.
-2.5
-2.16.
-2.72.
-2.45.
-2.52.
-2.44.
-1.08.
-1.67.
-0.55.
-2.06.

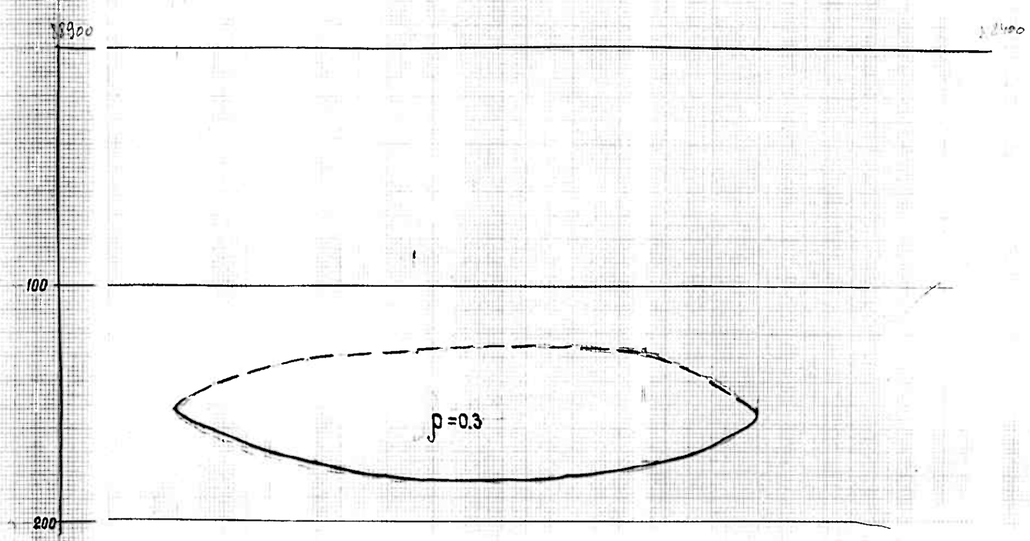
Геоэлектрические разрезы

м-б 1:2000

по линии I - I



по линии II - II



по линии III - III