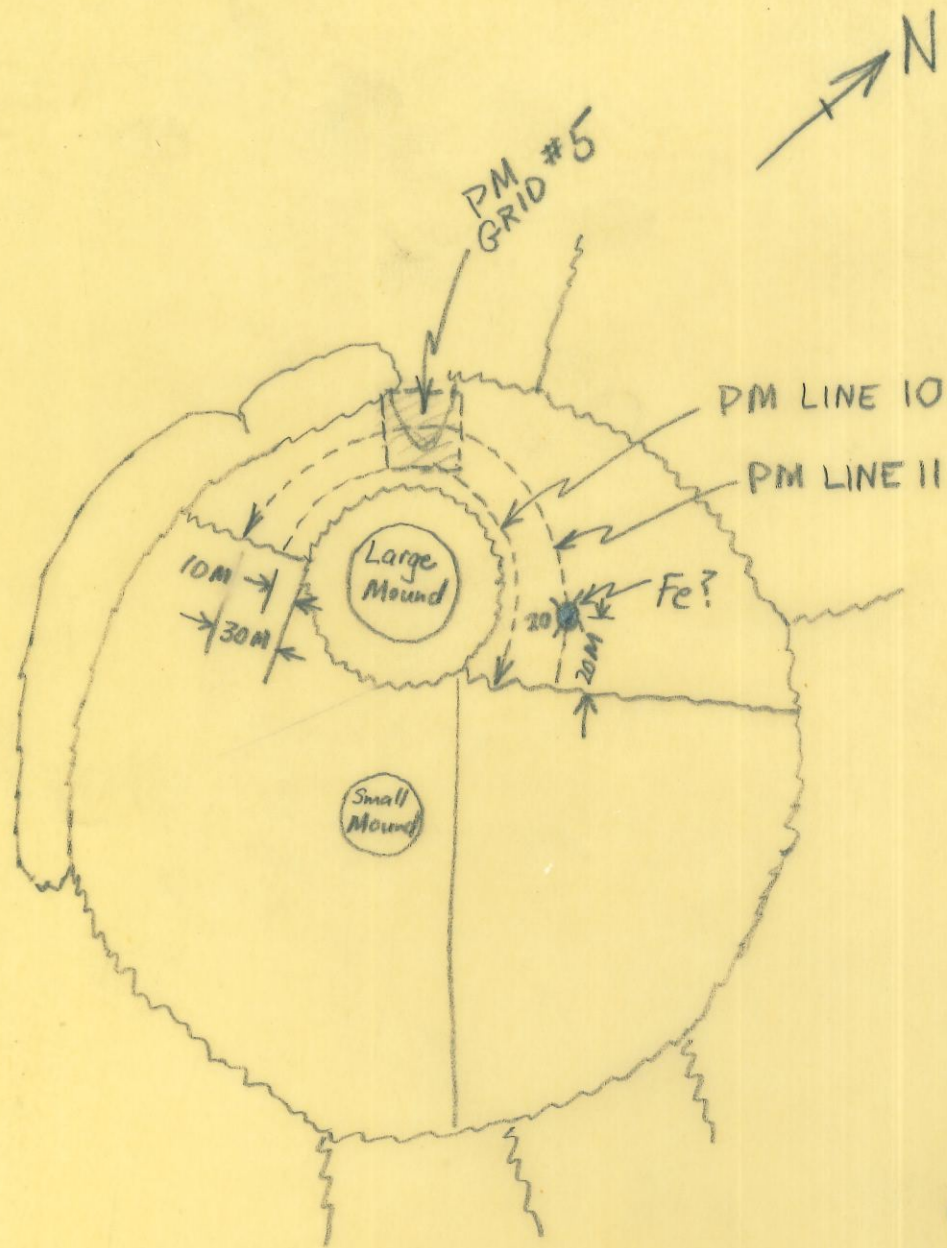


SKETCH OF NAVAN
FORT LAKE REGION
SHOWING PROTON
MAGNETOMETER LINES
12.7.63, E.K. Ralph

(Not drawn to scale)

- Magnetic Anomalies
- Anti-magnetic (or Reverse) Anomalies

Proton Magnetometer readings were taken at 1 m (meter) intervals with detector bottle $\frac{1}{2}$ m high.



NAVAN FORT

Sketch of mounds and surrounding trees showing location of lines and grid made with proton magnetometer (PM), 11.7.63, E.K. Ralph

(Corners of the grid and the magnetic anomaly of line 11 are marked with stakes)

Line 10

10 m outside line of trees surrounding the big mound 11.7.63
Start = 5 m W of barbed wire which runs to the mound

PMU

70
60
50
40
30
20
10

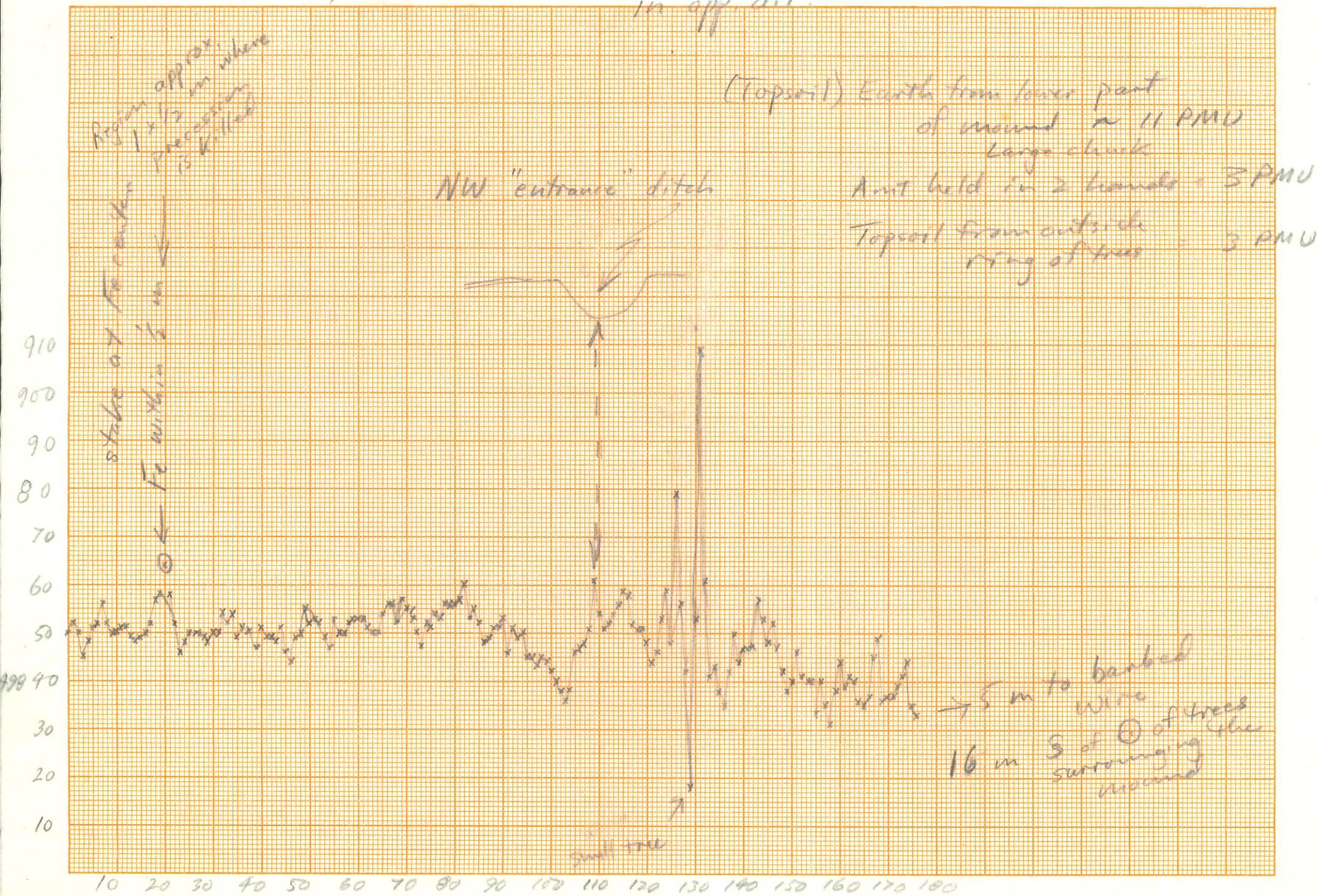


10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250

Meters

11-7-63

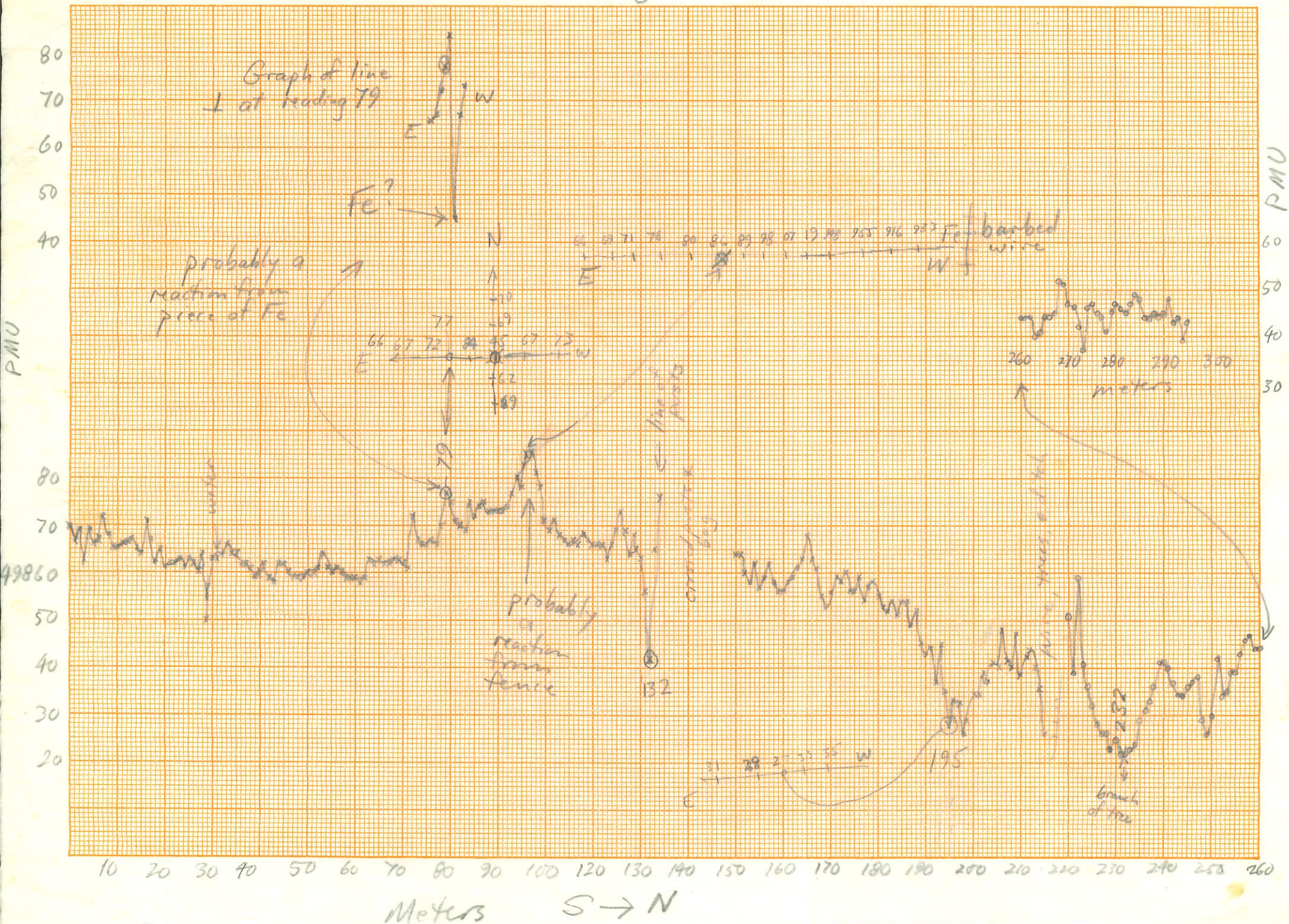
Line 11, 20 m farther from mound than line 10
in opp dir.



LINE 12

12.7.63

Lake Region Navan Fort



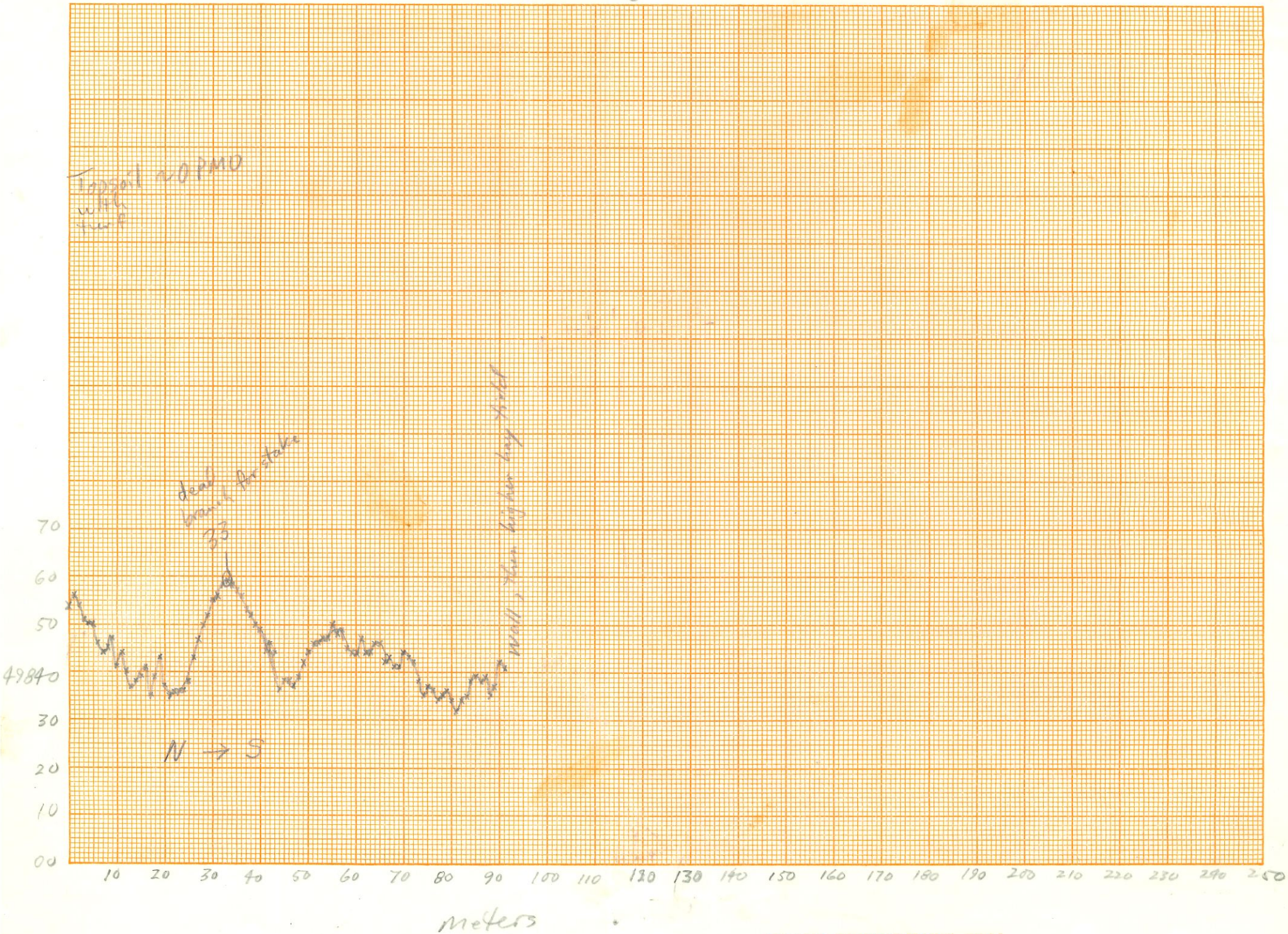
LINE 13

12.7.63

NAVAN FORT LAKE REGION



Line 13 Navan Fort, Lake Region 12-7-63

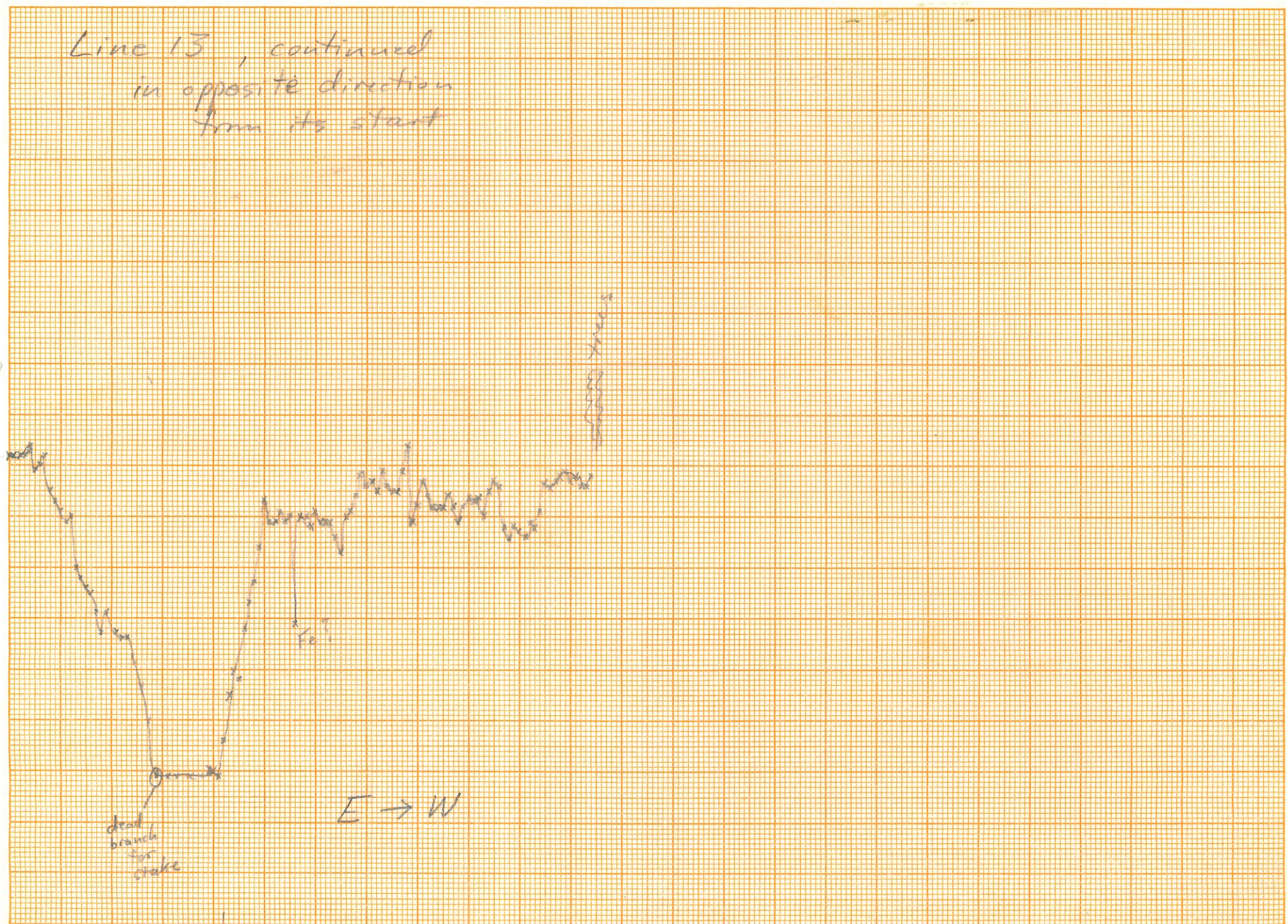


12.7.63

Line 13, continued
in opposite direction
from its start

PMU

860
850
840
830
820
810
800
790
780
49770



E -> W

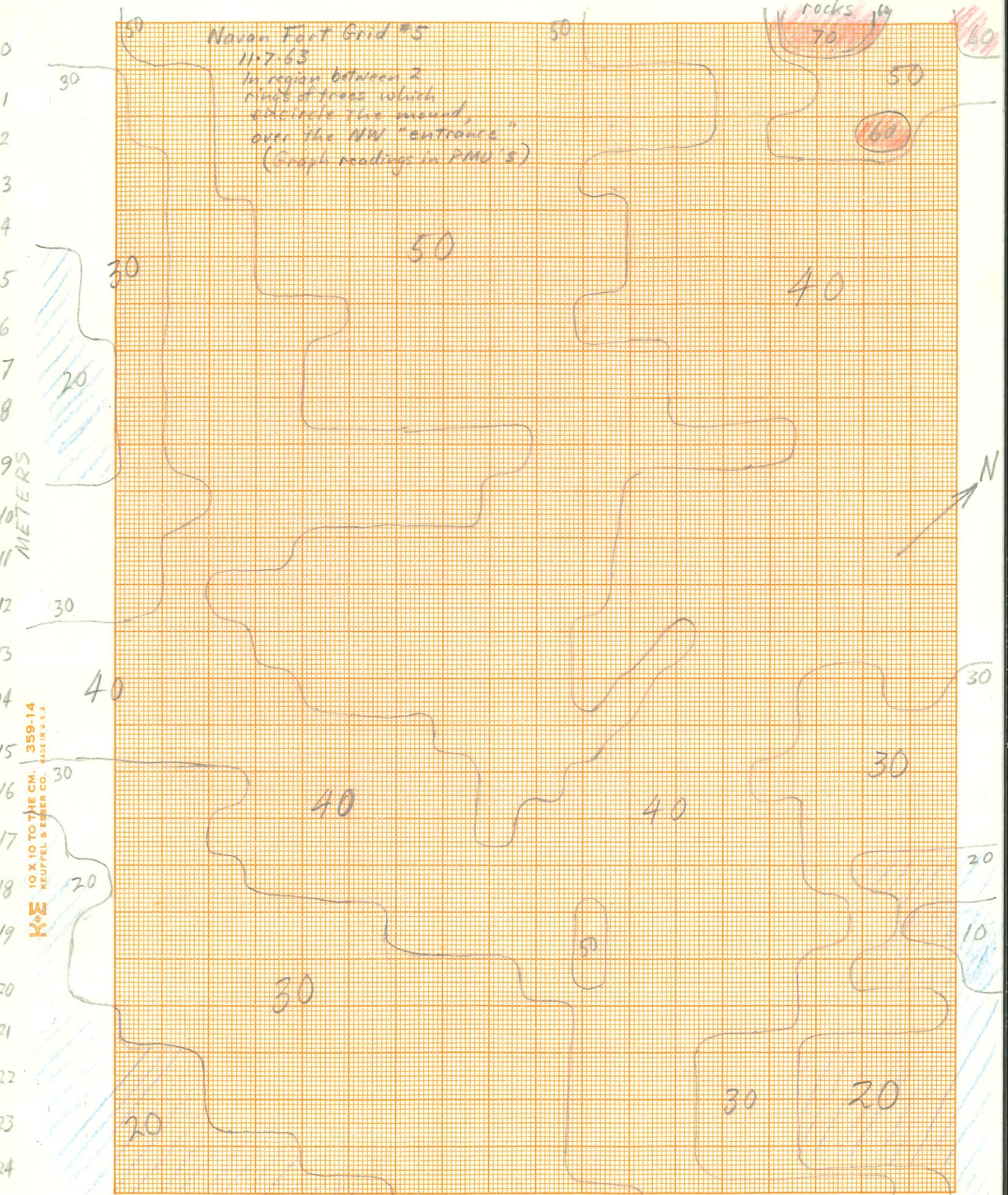
100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250
meters

METERS

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

Navan Fort Grid #5
11.7.63
In region between 2
rings of trees which
encircle the mound,
over the NW "entrance"
(Graph readings in PMU's)

rocks 60
70
50
60



10 X 10 TO THE CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.
K+E

Scale: 1 cm = 1 m
Blue hatched = magnetic regions
Red hatched = regions with low magnetism

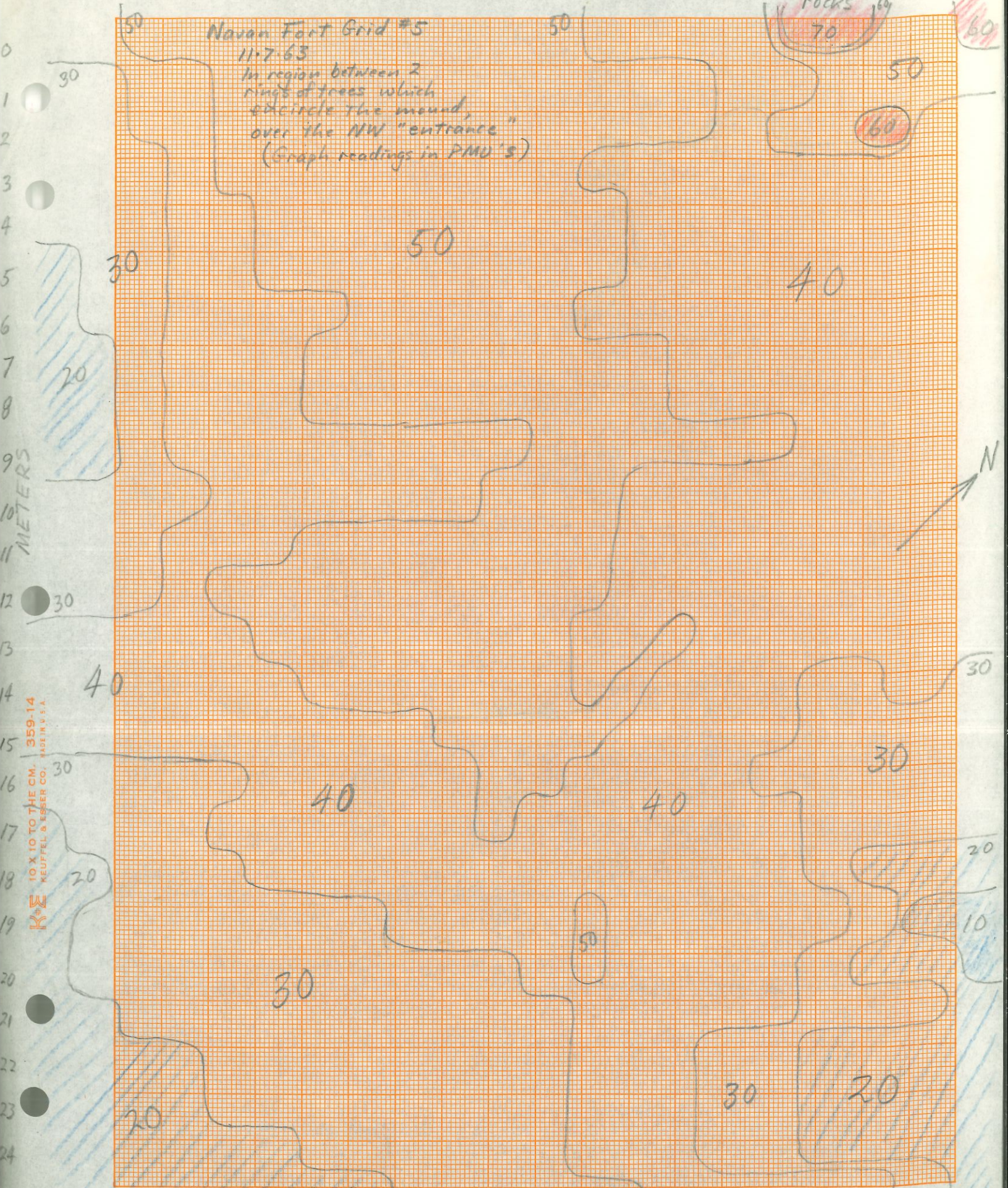
METERS

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

Navan Fort Grid #5

11-7-63

In region between 2
rings of trees which
encircle the mound,
over the NW "entrance"
(Graph readings in PMU's)



rocks 70

60

50

60

40

50

30

30

20

30

40

30

10 X 10 TO THE CM. KEUFFEL & ESSER CO. MADE IN U.S.A.

40

40

30

20

10

30

50

30

20

20

Scale: 1 cm = 1 m

— = magnetic regions

— = regions with low magnetism

20

30

30

20

Navan Fort

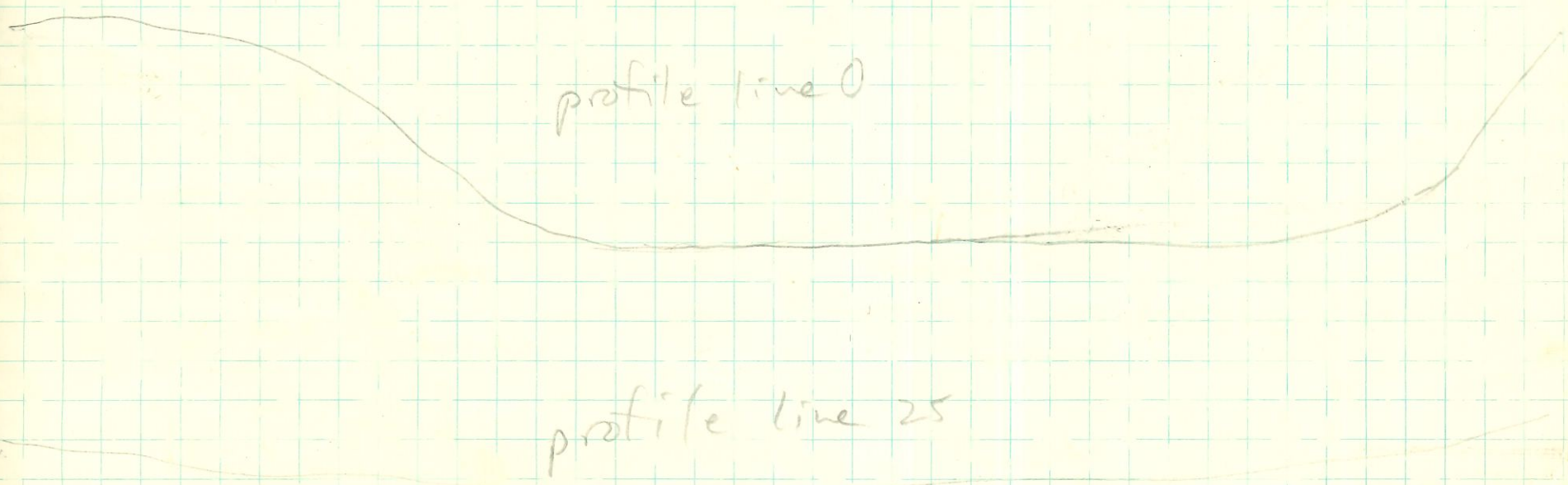
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	40	47	53	50	48	49	51	52	49	47	53	52	48	47	39	35	76	70	49	50	63	- 0
	38	35	41	46	55	56	56	57	53	53	56	50	52	54	51	47	48	55	57	45	52	- 1
	36	35	40	46	52	54	55	55	57	56	52	54	51	51	53	43	52	51	60	33	43	- 2
-	35	35	36	44	50	54	55	60	57	53	53	53	49	46	46	47	45	44	47	44	42	- 3
	32	34	36	41	48	52	55	58	57	54	54	50	51	49	45	45	47	44	43	36	50	- 4
-	29	31	39	46	48	51	52	58	53	52	54	51	50	46	44	44	42	41	41	41	43	- 5
	27	33	38	42	46	47	49	55	52	51	52	51	48	46	43	43	44	44	44	39	45	- 6
-	22	25	34	46	47	48	51	55	54	55	58	53	51	51	47	46	41	45	41	32	41	- 7
	31	25	33	42	47	45	51	53	54	55	57	54	51	51	47	46	41	39	43	38	5	- 8
-	27	24	35	40	46	46	51	54	54	49	48	52	53	51	54	50	51	46	41	40	46	- 9
	30	31	33	38	41	40	41	41	41	48	53	51	50	41	48	48	47	45	41	42	44	- 10
-	32	31	33	40	40	44	53	54	53	50	50	51	50	46	47	43	44	39	35	44	42	- 11
	34	31	39	41	50	54	56	50	47	50	49	50	50	49	48	46	45	43	44	39	43	- 12
-	40	39	41	43	43	53	55	54	54	51	50	50	46	44	50	45	42	41	43	46	50	- 13
	41	41	41	43	43	43	51	53	54	51	51	52	48	50	44	45	40	39	38	45	36	- 14
-	41	39	40	43	45	44	43	45	49	54	55	52	53	45	45	42	40	39	40	39	37	- 15
	35	37	35	36	36	41	43	41	44	49	50	52	47	45	38	40	37	39	38	38	35	- 16
-	28	34	37	37	40	45	44	38	38	42	50	45	45	48	43	42	41	33	32	33	31	- 17
	24	26	30	30	35	40	44	44	35	40	48	46	44	46	46	45	42	35	21	25	23	- 18
-	28	30	33	31	31	32	33	39	42	38	45	43	50	34	46	44	46	46	36	18	19	- 19
	22	33	30	26	29	27	29	36	40	36	38	43	51	48	40	39	41	37	20	20	19	- 20
-	20	28	31	31	31	27	29	31	32	35	38	42	49	48	43	40	38	41	38	26	26	- 21
	24	24	25	29	31	32	24	30	32	33	36	36	43	48	42	35	36	28	28	28	26	- 22
-	30	22	27	28	31	26	35	37	36	35	39	37	43	42	43	39	36	29	24	25	26	- 23
	19	28	29	30	28	25	31	33	32	33	36	37	41	42	43	37	34	28	24	26	20	- 24
-	21	26	31	31	33	29	23	28	31	33	31	30	36	38	43	46	47	41	41	31	26	- 25

in region between 2 rings of trees encircling mound, Grid over NW "entrance"



profile line 0

profile line 25



PROTON MAGNETOMETER SURVEY - JULY 1963

NAVAN FORT

SUMMARY

(See sketches and magnetometer graphs for specific details)

Mound Region

Line 10 - no anomalies

Line 11 - at 20 m from start - a magnetic anomaly, probably a piece of buried iron at shallow depth.

Grid #5

This grid over the so-called NW entrance indicates that the earth in the depression has not been disturbed for many years. Probably the center of the depression has been partly filled over the course of time, as evidenced by the slightly less magnetic soil which is more extensive in lower region (NW) of the grid, i.e. the region where the depression is deepest. The rocks, which are visible on the surface, appear as small anti-magnetic anomalies.

The topsoil in the mound region has high magnetism - causes a change of approximately 7 PMU's when approximately 500 cc. of earth are held against the magnetometer detector bottle. Therefore, the magnetic regions in the east and south corners of the grid probably represent the natural earth, or, at least, the earth of which the mound was constructed.

Lake Region

These anomalies were tested with a rod on 7-14-63.
The results are as follows:

Line 13

An. 33 - anti-magnetic. Sand was found at depth of 1/2 m, probably a heavier and more shallow deposit than in surrounding areas.

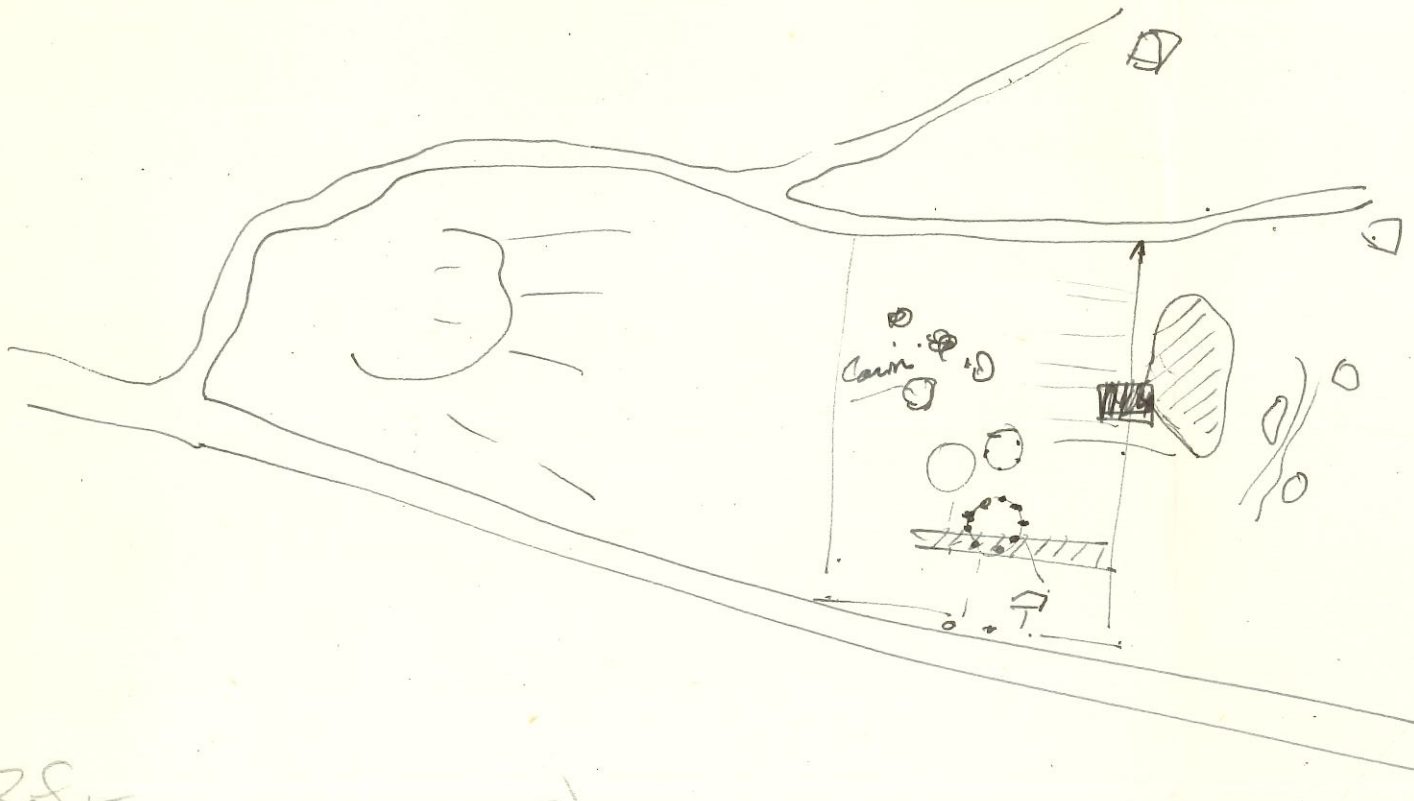
An. 129- magnetic. Solid rock was encountered at 1/2 m depth. In a spot 12 meters away, rocks were encountered at 1 m depth. Test excavations of the anomaly and just west of it are needed to explain this large magnetic reading.

Line 12

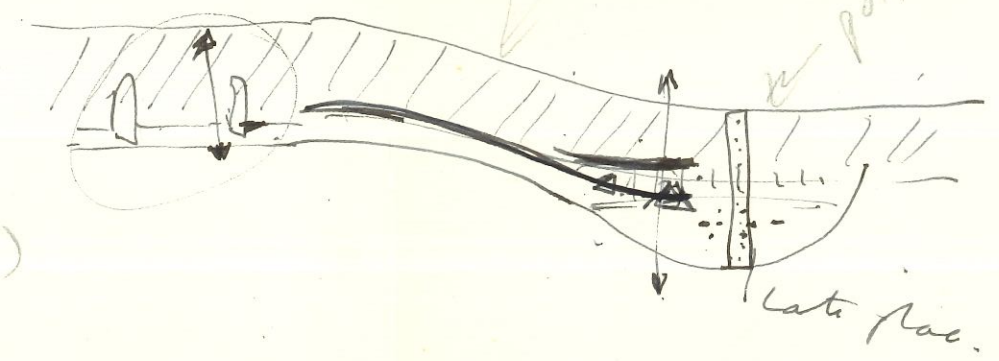
- An. 232 - magnetic (17 m wide, 20 PMU). Rod revealed brown mud to depth of 1-3/4 m.
- An. 132 - magnetic (4 m wide, 23 PMU), One-half meter north from the center, a large animal bone and rocks were found at approximately 1/2 m depth. This anomaly may, therefore, represent a soil disturbance from the burial of the animal, or there may also be a horseshoe that we did not find.
- An. 79 - Anti-magnetic, probably a reaction from nearby small magnetic anomaly (3 m wide, 30 PMU) that is characteristic of a small piece of iron at shallow depth.

Elizabeth K. Ralph

Beaghmore



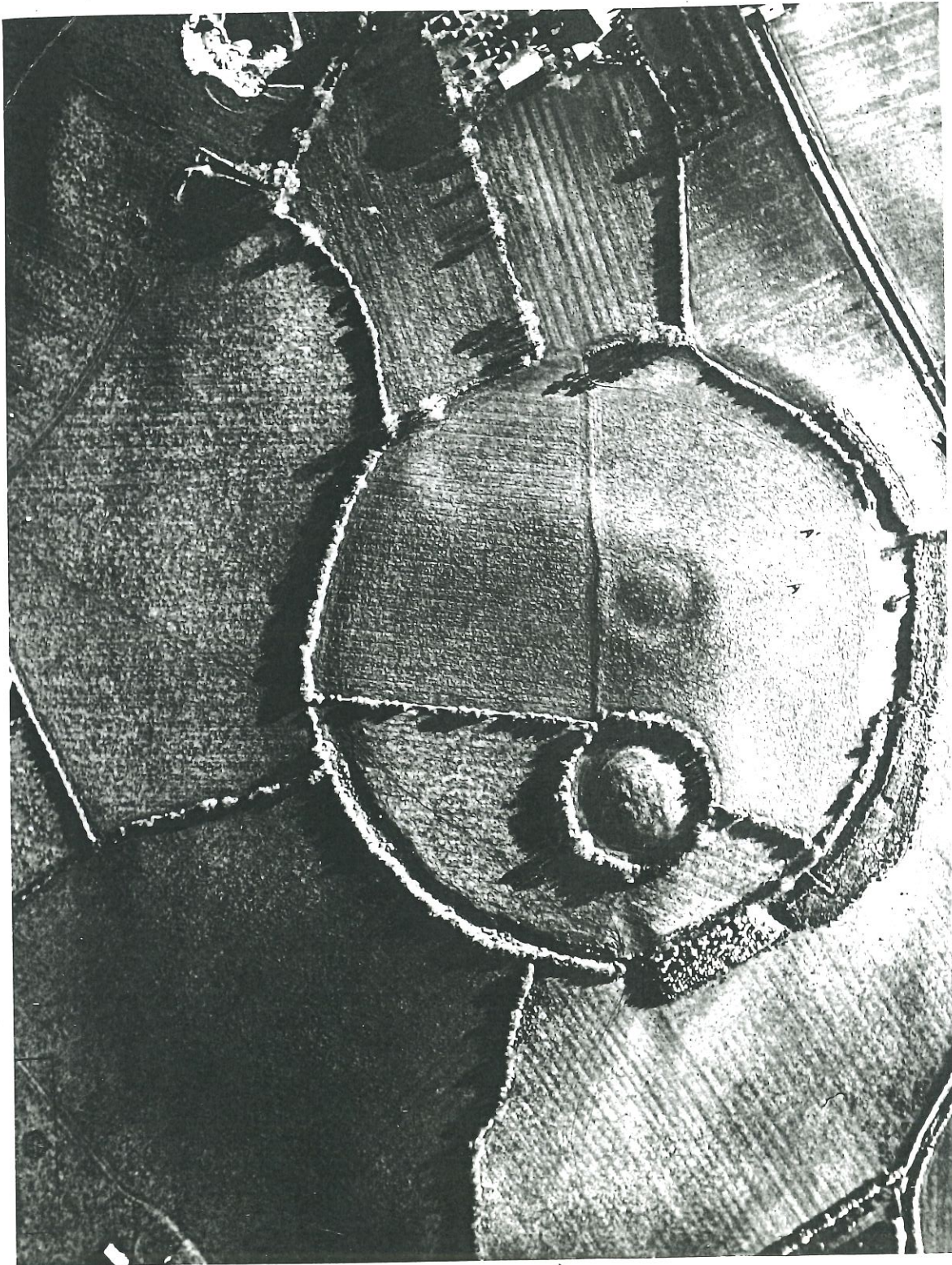
is there
 connection be. stone ⑤
 & pollen sequences
 in the this interesting region
 pollen sequence.



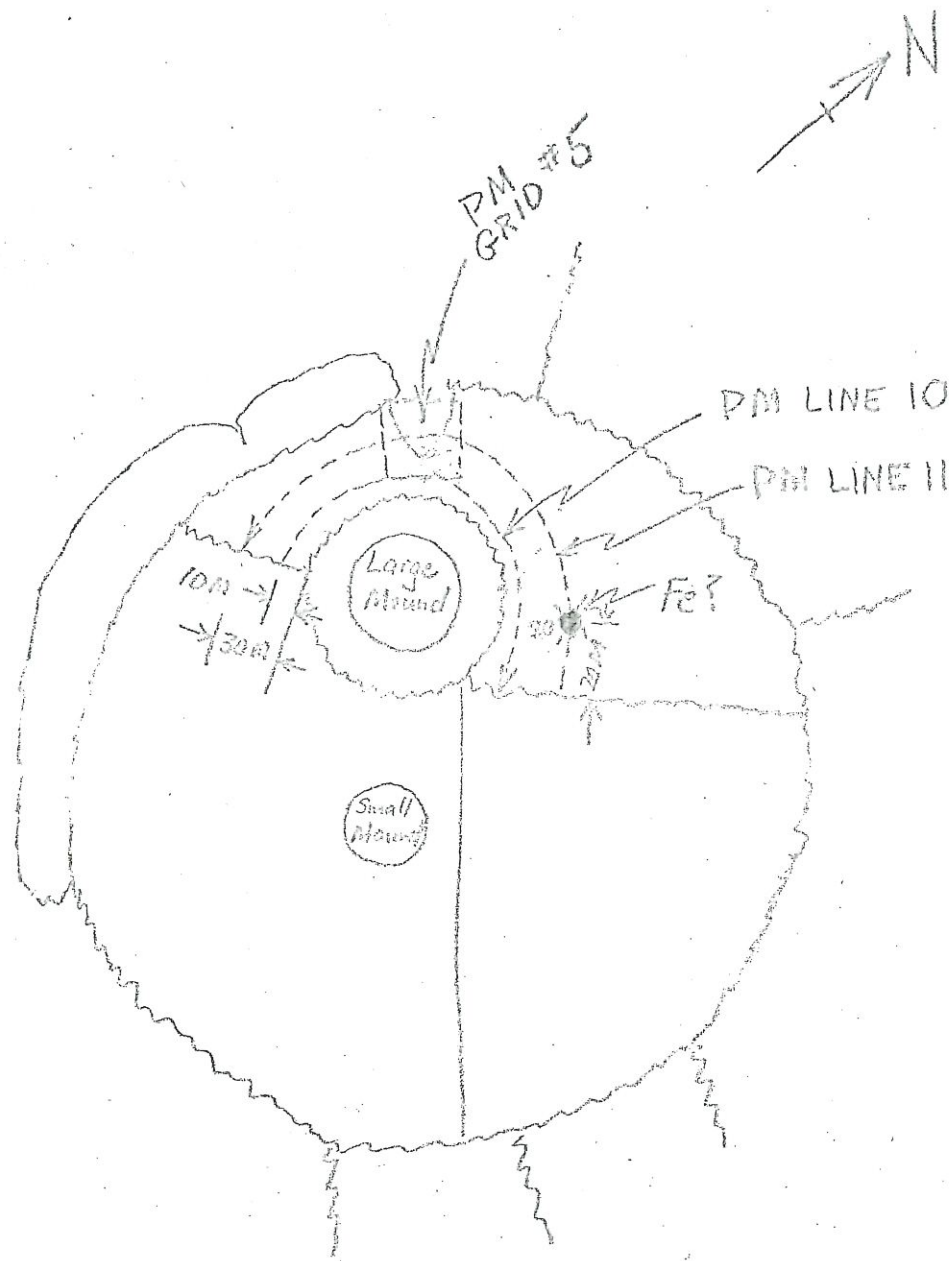
Ref.

MAY, A McL. (1953)
 Neolithic Habitation Site
 Stone ⑤ & Alignments at
 Beaghmore, Tyrone,
 J. Roy. Soc. Antiquities,
 Ireland
 LXXII (Pl II) 173-173)

PS 0612013



PS 061 2013



NAVAN FORT

Sketch of mounds and surrounding trees showing location of lines and grid made with proton magnetometer (PM), 11.7.63, E.K. Ralph.

(Corners of the grid and the magnetic anomaly of line 11 are marked with stakes)

GRID 1

4

1/2



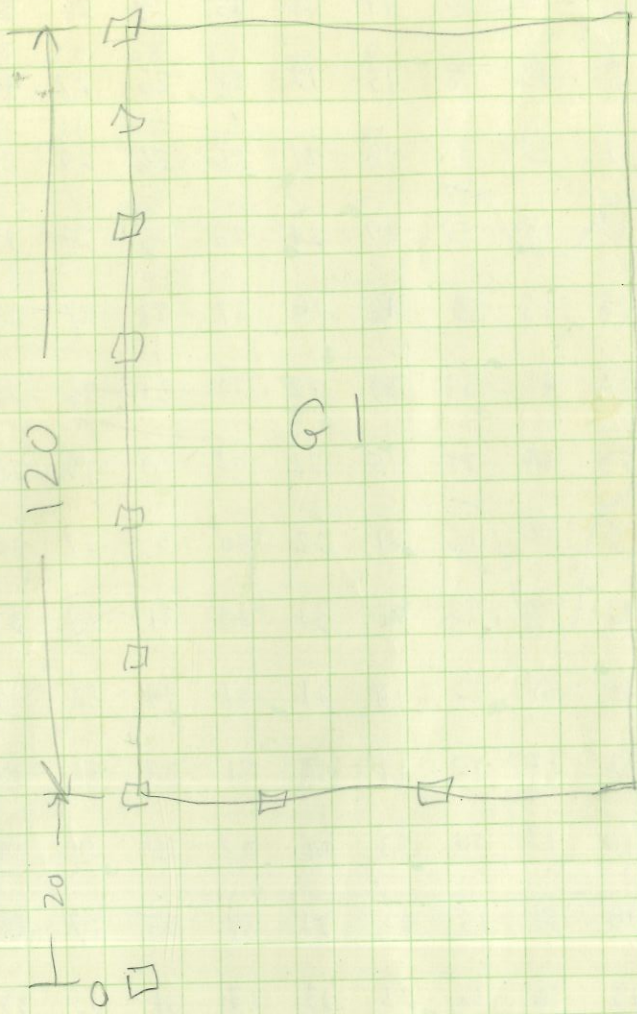
Grid #1 Original

sensor
+100x

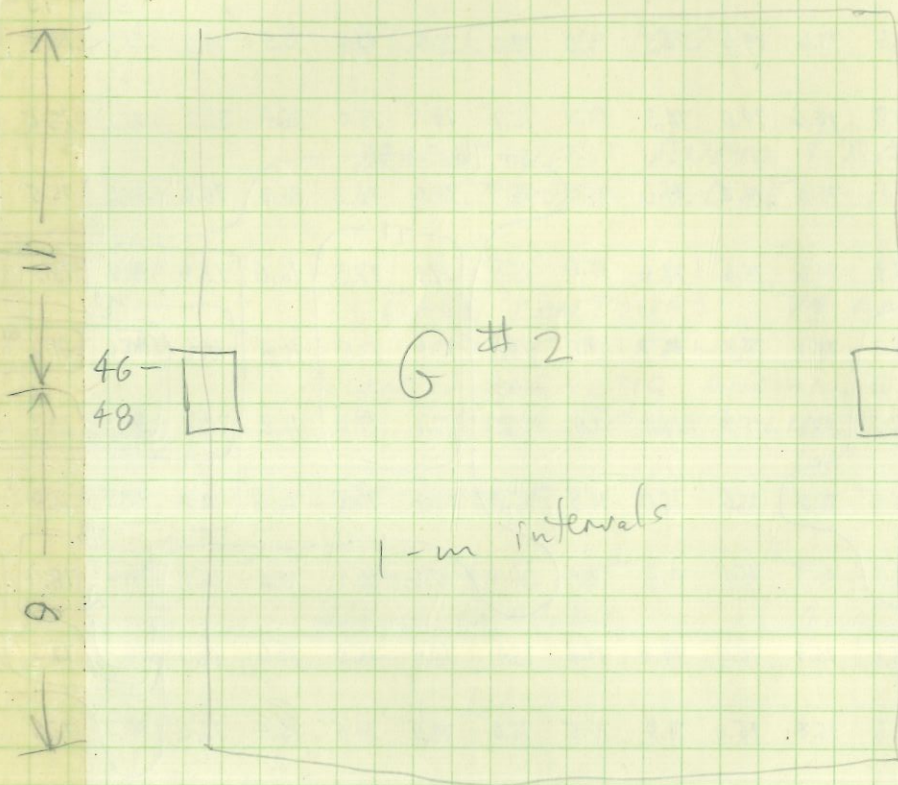
									22			32					
									21			32					
25	25	20	34	11	12	12	11	-	21	22		33	33	35	35		33
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Houses



GRID ~



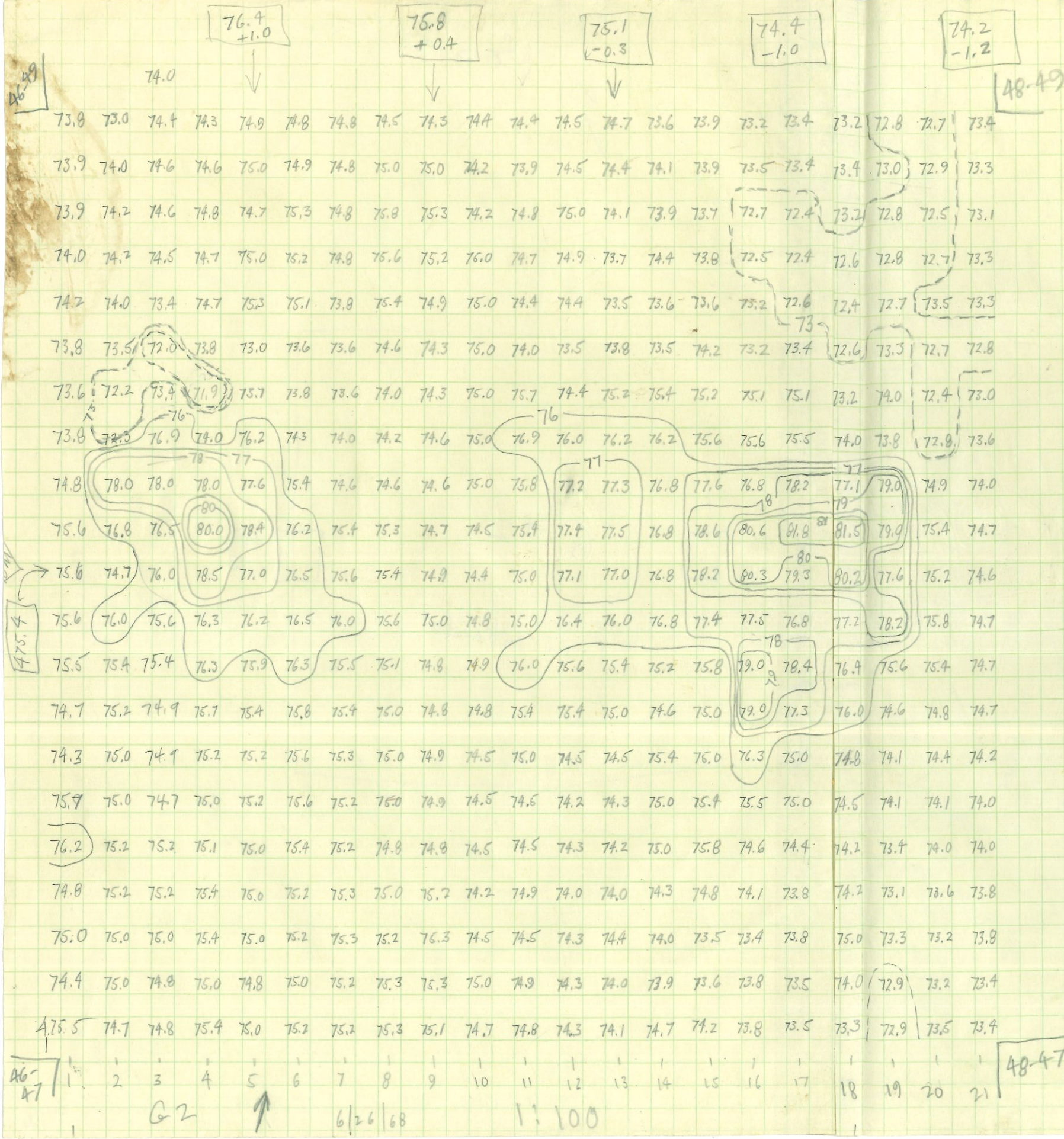
46-
48

G # 2

48-
48

1-m intervals

9



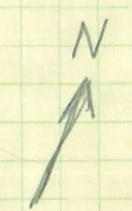
48-49

46-49

46-47

48-47

GRID # 2



SCALE - 1:100

MADE WITH AUDIO READOUT
0.2 DIV. ~ 1.0 G

BASE CONTOURS, 74 AND 75,
NOT DRAWN
ANTI-MAGNETIC ANOMALIES SHOWN
WITH BROKEN LINES

GRID REF.

West to East
46000 to 48000

South to North
47000 to 49000

G 2



6/26/68

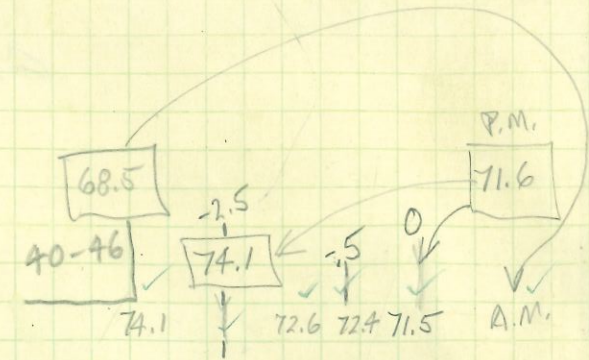
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GRID 3

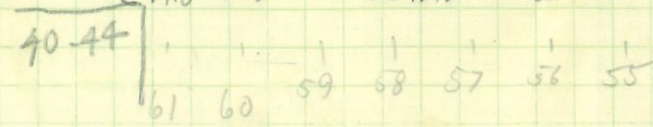
✓	✓
69.3	69.0
69.1	69.7
69.4	69.8
69.8	70.0
70.0	70.8
0.2	70.4
0.6	70.4
0.6	70.8
0.5	70.7
1.0	70.6
1.0	70.9
0.9	70.9
1.0	70.8
1.0	70.9
1.0	71.0
1.0	71.0
1.0	71.2
1.0	71.2
1.2	
1.0	71.2
1	1
37	36

GRID # 3

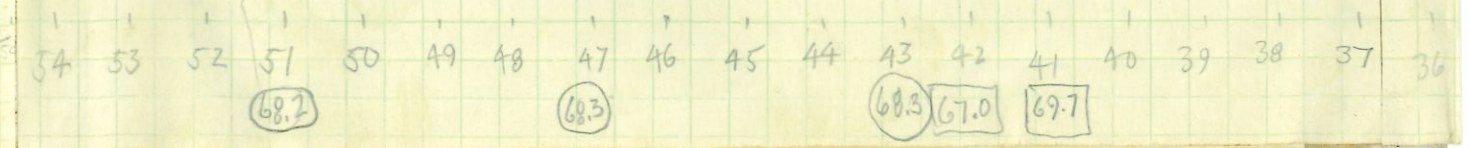
SCALE - 1:100



74.1	74.2	74.2	74.2	74.3	74.5	74.6	74.7	74.3	74.7	74.3	74.7	75.0	74.9	74.8	74.9	75.1	75.2	75.6	75.1	74.8
73.6	73.6	73.4	73.3	73.6	73.6	73.4	73.4	73.3	73.4	73.3	73.4	73.4	73.4	73.4	73.4	73.6	73.5	73.6	73.4	73.0
72.8	72.8	72.7	72.8	72.8	72.9	72.9	72.6	72.9	72.9	72.9	72.6	72.5	72.5	72.6	72.6	72.3	72.5	72.6	72.4	72.9
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68.5	68.5	68.3	68.3	68.3	68.3	68.1	68.0	67.9	68.0	67.9	67.7	67.7	67.8	67.8	67.9	68.0	68.1	68.1	68.1	68.5



68.7	68.4	68.4	68.7	67.6	68.8	68.8	69.0	68.3	68.3	68.3	69.0	68.5	69.0	70.0	69.0	69.0	69.0	69.0	69.0	69.0
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68.3	67.9	68.1	67.4	68.9	68.3	68.9	68.4	68.7	68.3	68.3	69.3	69.0	70.4	69.4	70.0	70.0	69.4	69.8	69.3	69.0
67.9	67.4	67.7	67.6	68.9	68.7	69.0	68.7	68.8	68.6	68.3	69.2	68.9	70.0	70.0	70.1	70.0	69.8	70.0	69.2	70.0
68.1	67.6	68.1	67.5	68.7	68.7	69.0	69.2	69.1	68.8	68.6	69.2	69.0	70.0	70.0	70.2	70.2	70.0	70.8	69.2	70.0
67.9	67.5	68.1	67.7	68.5	68.6	69.0	69.0	69.1	68.7	68.3	69.1	69.0	70.3	70.2	70.6	70.9	70.2	70.4	69.2	70.4
67.8	68.0	68.1	67.8	68.4	68.7	69.0	68.9	69.0	68.7	68.4	69.2	69.0	70.4	70.6	70.8	70.7	70.4	70.4	69.2	70.4
67.5	68.1	68.7	67.8	68.3	68.8	68.8	68.5	68.7	68.3	68.4	69.1	69.0	70.5	70.6	70.8	70.6	70.6	70.8	69.2	70.8
67.5	68.1	69.0	68.0	68.5	68.9	68.7	68.3	68.4	68.3	68.0	69.3	69.0	70.6	70.6	70.6	70.6	70.5	70.7	69.2	70.7
67.7	67.7	69.0	68.1	68.8	69.3	69.2	69.0	69.3	68.4	68.1	69.2	69.0	70.2	70.6	70.6	70.7	71.0	70.6	69.2	70.6
67.7	67.7	69.0	68.1	68.8	69.3	69.2	69.0	69.3	68.4	68.1	69.2	69.0	70.2	70.7	71.0	70.8	71.0	70.9	69.2	70.9
67.8	67.7	69.3	68.2	68.7	69.7	69.1	69.0	69.0	68.6	68.3	69.1	69.0	70.3	70.7	71.0	70.8	70.9	70.9	69.2	70.9
67.5	67.8	69.2	68.0	68.8	69.6	69.2	68.9	68.8	68.4	68.0	69.4	69.0	70.4	70.7	70.8	70.6	71.0	70.8	69.2	70.8
67.7	67.9	69.1	68.0	69.1	69.3	68.6	68.6	69.0	69.6	68.7	69.5	68.8	70.3	70.6	70.8	70.9	71.0	70.9	69.2	70.9
67.7	67.6	69.0	67.5	69.0	69.1	68.2	68.5	68.4	68.4	68.7	69.4	68.7	70.3	70.3	70.8	70.8	71.0	71.0	69.2	71.0
67.7	67.5	68.8	67.9	68.9	69.1	68.0	68.6	68.9	68.2	68.8	69.4	68.7	70.4	70.7	70.8	70.8	71.0	71.0	69.2	71.0
67.8	67.8	68.5	67.8	69.1	69.0	68.0	68.7	68.3	68.2	68.4	69.2	68.7	70.6	70.8	70.8	71.0	71.0	71.2	69.2	71.2
67.9	67.8	68.3	68.0	69.0	69.0	68.0	68.3	68.3	68.2	68.4	69.2	68.7	70.6	70.9	70.8	70.8	71.0	71.2	69.2	71.2
67.8	67.4	68.0	68.0	69.0	69.0	68.0	68.2	68.8	68.3	68.3	69.2	68.7	70.6	70.9	71.0	71.0	71.0	71.2	69.2	71.2
68.2	68.2	69.0	69.0	68.0	68.2	68.8	68.3	68.3	68.2	68.4	69.2	68.7	70.6	70.9	71.0	71.0	71.0	71.2	69.2	71.2



69.2	69.0	68.6	68.2	67.2	65.0	62.0	65.4	67.6	69.4	70.7	68.2	67.7	71.5	71.7	72.1	73.1	74.0	71.9	73.0	74.5	75.3	74.7	75.2	73.4	71.0	75.0	100	78.4	71.4	71.8	70.4	69.6			
69.8	69.6	69.0	69.2	68.2	65.8	66.2	64.2	66.8	68.7	67.9	70.0	68.0	73.3	-60.5	73.5	70.0	78.4	72.2	75.4	72.2	73.4	74.9	75.7	75.0	75.6	74.7	73.0	75.0	71.0	72.5	73.8	70.4	69.7	69.0	
70.2	69.8	69.6	70.2	69.0	66.4	67.4	66.2	66.8	70.4	70.0	71.7	70.0	72.9	66.8	74.5	72.8	74.9	78.7	75.2	71.9	73.7	75.6	76.2	75.2	75.5	76.8	74.7	73.8	72.7	72.0	72.5	70.6	70.0	69.0	
70.4	70.0	70.0	70.8	70.0	68.4	69.8	68.4	69.0	71.8	71.7	72.7	71.8	73.1	71.6	74.5	75.0	75.9	74.8	76.4	73.5	73.9	75.3	76.4	75.2	75.4	75.6	74.7	73.6	71.6	73.1	71.2	70.2	69.9	69.8	
70.8	70.4	70.6	71.0	70.6	70.0	70.8	70.6	76.0	74.0	74.1	73.3	73.4	73.4	72.9	74.9	75.1	76.5	75.6	76.8	73.5	74.2	75.0	75.4	75.2	75.4	75.0	74.7	74.8	73.0	74.8	64.7	71.6	70.1	70.7	
71.0	70.8	70.8	71.0	70.8	70.4	70.4	71.0	71.0	74.7	74.1	73.9	73.7	74.0	73.0	75.6	76.0	76.9	76.0	71.6	73.6	74.2	74.7	74.7	74.9	74.7	74.8	75.0	74.8	73.4	74.0	74.0	71.9	70.9	71.0	
71.0	70.6	71.2	71.0	71.0	70.8	70.8	71.0	71.0	75.0	74.2	74.9	73.9	74.6	73.3	76.3	76.2	71.8	71.1	78.0	74.2	74.6	74.7	74.7	74.6	74.2	74.7	75.1	74.9	73.8	74.0	73.7	71.9	71.3	70.8	
71.0	70.8	71.0	71.2	71.4	71.0	71.0	71.4	71.4	75.3	74.2	74.2	74.1	74.4	73.9	76.3	76.7	71.9	71.7	78.3	74.9	75.0	74.8	74.4	74.2	73.9	75.0	75.0	75.0	73.9	74.0	73.2	71.9	71.4	70.9	
71.2	70.8	71.0	71.4	71.4	71.4	71.0	71.2	71.6	75.6	74.7	74.3	74.4	74.6	74.4	76.3	76.7	71.9	78.0	78.3	75.0	75.7	75.0	75.1	74.2	73.8	74.9	75.4	75.2	74.2	73.9	73.2	71.9	71.4	71.0	
71.2	71.0	71.0	71.6	71.6	71.8	71.2	72.0	71.6	75.7	74.8	74.4	74.4	74.8	74.4	76.3	76.8	71.8	78.0	78.4	75.8	76.6	75.5	75.4	74.1	73.8	74.9	75.7	75.2	74.2	73.8	73.2	71.6	71.4	71.0	
71.4	71.2	71.2	71.8	71.8	71.8	71.4	71.6	71.4	75.8	75.1	74.9	74.7	74.8	74.4	76.2	76.9	71.8	78.2	78.4	76.9	77.0	76.9	75.8	74.4	74.0	74.2	75.6	74.6	74.2	73.8	73.3	72.0	71.4	70.9	
71.4	71.2	71.2	71.8	72.0	71.8	71.2	72.0	72.0	76.0	74.9	74.8	74.9	74.9	74.5	76.3	76.8	71.8	78.3	78.2	77.0	77.0	77.0	75.8	74.3	74.4	73.8	74.9	74.5	74.0	73.4	73.4	72.0	71.4	71.3	
71.4	71.2	71.4	71.8	72.0	71.8	71.6	72.0	72.0	76.0	75.2	74.8	74.9	75.0	74.4	76.6	76.6	71.7	78.3	78.3	77.1	77.0	77.0	75.7	74.3	74.2	73.8	74.8								
71.6	72.0	71.4	71.8	72.0	71.6	71.6	72.0	72.0	76.0	75.6	74.8	75.1	75.0	74.5	76.4	76.8	71.8	78.1	78.4	76.8	77.3	77.4	75.5	74.2	74.3	74.4	74.6								
71.6	71.6	71.4	71.8	72.0	71.8	71.6	72.0	72.0	76.1	75.6	74.8	75.1	75.0	74.6	76.4	76.8	71.8	78.0	78.2	78.5	77.0	77.5	77.5	75.6	74.2	74.3	74.1								
71.8	71.8	71.4	72.0	72.0	72.0	71.8	72.0	72.2	76.1	75.8	74.7	75.2	75.0	74.6	76.4	77.0	71.8	78.1	78.1	79.0	77.5	77.6	77.3	75.6	74.4	74.4	74.0	73.5							
71.8	72.0	71.8	71.8	72.0	71.8	71.6	71.8	72.4	76.0	75.8	73.8	75.2	74.9	74.7	76.4	77.0	71.8	78.1	78.1	78.9	77.5	77.5	77.3	75.7	74.8	74.4	73.8	73.6	73.8	73.4	74.4	73.4	71.9	71.5	71.0
71.8	72.2	71.8	72.0	71.4	72.2	71.8	72.2	72.0	75.9	75.9	75.2	75.2	74.4	75.6	76.4	77.2	71.8	77.9	78.5	78.6	77.3	77.4	77.4	76.2	76.2	74.7	73.7	74.0	74.2	74.4	73.0	72.0	71.5	470.9	
71.6	71.8	71.8	72.0	72.6	72.0	71.8	72.2	72.0	76.4	76.0	75.1		74.3	75.0	76.4	76.8	71.8	77.9	78.6	78.2	77.4	77.8		76.4		74.8	73.3	73.8	73.9	74.3	73.8	74.0	71.4	72.0	471.0
35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	470.8	

±0

Hut
6/27

4.0
Hut

76.2
-3.5

-5.4

70

-5.0
75.8

-4.0

-2.7

73.5

excavation

46-46

PIT

↑ G-3 6/26/68 1-Meter

GND 4

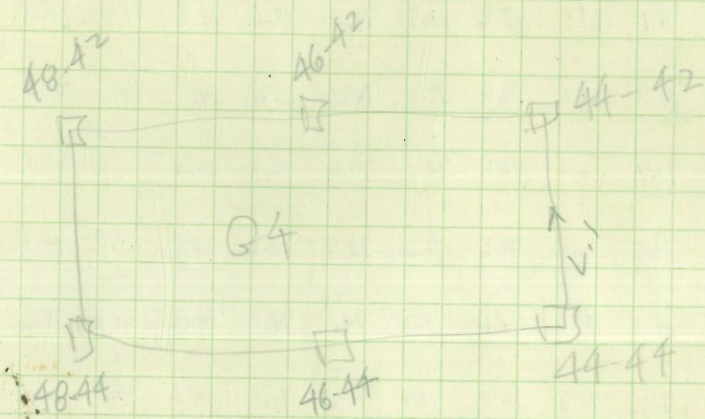
22
+

GRIDS

DUN AILINNE

IRELAND

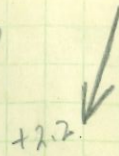
1968



↓
15
15
15

GRID #4

SCALE- 1:100



+3.0		x2.0		x1.5		x2.2															
70.8	70.8	71.0	71.8	72.2	72.8	71.8	71.6	71.6	72.0	72.2	72.8	72.2	72.2	72.2	72.0	72.7	73.0	73.3	73.3	73.4	
70.6	70.8	71.4	72.0	72.0	72.4	71.8	72.0	71.8	72.2	22.2	72.8	72.6	72.0	72.0	72.0	72.5	73.3	73.2	73.9	73.1	
70.6	71.0	71.4	72.0	72.4	72.4	72.0	71.6	71.8	72.2	72.6	72.6	72.4	72.0	71.8	72.8	72.7	73.8	73.6	73.9	73.1	
70.4	71.0	71.6	72.2	72.0	72.0	71.8	71.6	72.0	72.2	72.6	72.2	72.2	72.4	72.4	73.8	73.4	73.7	73.8	74.5	73.6	
70.8	71.0	71.8	72.0	72.2	72.0	71.4	71.4	72.0	72.0	72.0	72.2	72.2	72.4	72.4	75.2	74.1	73.5	74.0	74.4	73.2	
70.8	70.8	72.0	71.8	71.6	72.4	71.6	71.8	72.0	72.4	72.2	72.4	72.0	72.0	72.2	75.0	73.8	73.4	73.4	73.6	73.0	
71.0	71.0	71.2	72.0	72.0	72.8	71.8	72.0	72.4	72.4	72.4	72.2	72.0	72.4	72.8	73.4	73.6	73.4	73.1	73.3	73.0	
70.6	71.0	71.4	71.8	72.6	72.6	72.2	72.0	72.6	72.4	72.2	72.8	72.4	73.0	72.8	72.2	73.5	73.0	73.3	73.5	73.5	
71.0	71.6	71.6	71.8	71.8	72.8	72.2	72.6	72.4	72.6	72.4	72.8	72.8	72.6	72.8	72.0	73.1	73.0	73.4	74.8	74.2	
71.2	72.2	71.2	72.0	71.8	72.8	72.4	72.6	72.2	72.8	72.6	72.6	72.4	72.4	71.8	72.6	72.9	73.4	73.0	73.9	73.7	
71.0	72.0	71.6	72.6	72.0	73.0	72.8	72.2	72.6	72.8	72.6	72.4	72.0	72.4	71.8	73.4	73.1	72.3	73.1	73.1	72.9	
71.0	72.2	71.8	72.4	72.4	72.8	72.6	71.6	72.8	72.2	72.4	72.6	72.0	72.6	71.8	71.0	73.3	72.8	72.8	72.0	72.6	
71.0	72.2	71.8	71.6	72.4	72.6	72.0	71.8	71.8	72.2	71.8	72.2	72.2	72.6	71.8	72.0	72.7	72.7	72.6	72.8	72.5	
71.6	71.4	72.0	72.0	72.0	72.6	72.6	71.6	71.8	72.2	72.0	72.2	72.0	72.8	72.0	72.1	72.8	72.7	72.4	73.0	72.6	
70.6	72.2	72.0	71.8	71.8	72.4	73.0	71.4	71.8	72.2	71.8	72.2	72.0	72.8	71.8	72.0	72.7	72.7	72.4	73.0	72.6	
70.0	71.4	71.4	72.0	71.8	72.0	72.6	71.2	71.8	72.2	72.0	72.2	72.0	72.6	71.8	72.0	72.5	72.8	72.4	73.1	72.5	
70.0	71.6	71.4	72.0	71.6	72.8	72.8	70.2	71.8	72.0	72.0	72.2	72.0	72.0	71.8	71.0	72.6	72.7	72.5	72.7	72.5	
70.4	71.4	71.6	71.2	71.8	72.8	70.0	69.8	71.8	71.8	71.8	72.2	72.0	72.4	71.8	72.0	72.3	72.8	72.6	73.0	72.7	
70.4	70.8	70.6	71.0	71.4	72.0	69.8	71.0	71.8	71.8	71.8	72.6	72.0	72.4	72.0	72.2	72.6	72.8	72.6	73.0	73.0	
69.8	70.4	70.4	70.6	70.8	71.4	71.2	71.4	71.8	71.8	72.0	72.4	72.4	72.6	72.2	72.3	72.7	72.8	72.8	73.2	73.2	
69.8	70.0	69.8	70.0	70.8	71.2	71.2	71.2	71.0	71.2	72.0	72.4	72.4	73.0	72.4	72.5	72.5	73.0	73.1	73.3	73.4	
78	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
71.0		72.0				72.0						72.6			71.9	71.4	72.6				
						wheel									46-44		stake				

48-42

+3.0

70.6	70.6	70.4	71.0	70.8	70.8	71.0	71.8	72.0
70.6	71.0	70.2	70.6	70.6	70.8	71.4	72.0	72.0
71.0	70.6	70.0	70.4	70.6	71.0	71.4	72.0	72.0
69.0	70.8	70.0	70.2	70.4	71.0	71.6	72.2	72.0
70.4	71.6	71.0	72.0	70.8	71.0	71.8	72.0	72.0
71.6	71.6	70.2	70.8	70.8	70.8	72.0	71.8	72.0
71.6	71.0	70.0	70.8	71.0	71.0	71.2	72.0	72.0
71.0	70.6	70.2	71.0	70.6	71.0	71.4	71.8	72.0
70.6	71.0	70.4	71.2	71.0	71.6	71.6	71.8	72.0
70.8	71.0	70.4	71.0	71.2	72.0	71.2	72.0	72.0
70.8	71.0	70.0	71.0	71.0	72.0	71.6	72.6	72.0
70.6	70.4	70.0	70.8	71.0	72.0	71.8	72.4	72.0
70.0	70.6	70.6	71.4	71.0	72.0	71.8	71.6	72.0
70.6	70.8	70.8	70.8	71.6	71.4	72.0	72.0	72.0
70.4	71.0	70.6	70.0	70.6	72.0	72.0	71.8	72.0
70.8	70.4	70.0	70.2	70.0	71.4	71.4	72.0	72.0
71.0	70.2	69.8	70.2	70.0	71.6	71.4	72.0	72.0
70.2	69.8	69.8	70.2	70.4	71.4	71.6	71.2	72.0
70.2	70.0	69.8	70.0	70.4	70.8	70.6	71.0	72.0
69.8	69.8	70.0	70.0	69.8	70.4	70.4	70.6	72.0
69.8	69.6	69.2	69.8	69.8	70.0	69.8	70.0	72.0

48-44

42 41 40 39 38 37 36 35

71.0

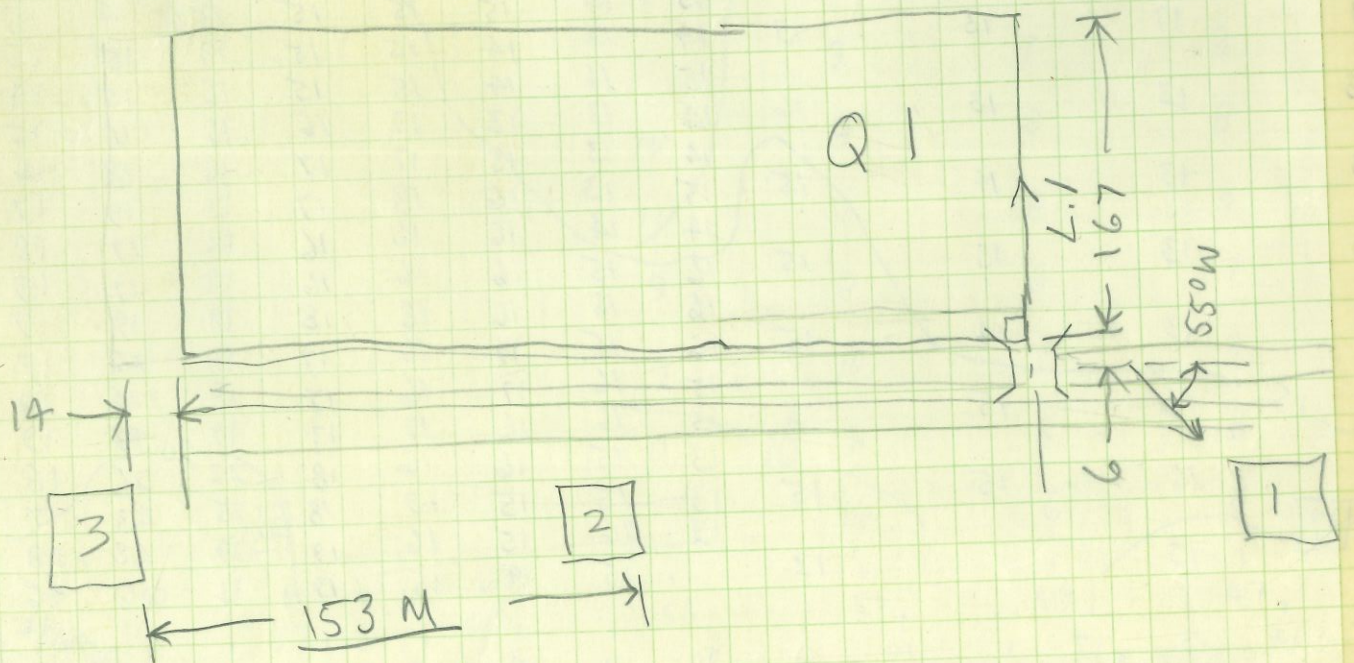
Q 1

← 155 m →

367

1: 10,930

1: 400



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20	18	11	9	11	11	14	15	14	14	14	15	14	14	15	16	17	17	17	17	18	17
29	27	25	24	23	22	21	19	17	17	15	14	13	13	12	11	10	9	8	7	6	5

ask #2

Q1 7/17/67

2 points

14	13	13	15	12	11	12	13	14	14	15	13	13	12	13
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7

10

15

20

20

27

Q 2

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Q2

7/18/67

Q2

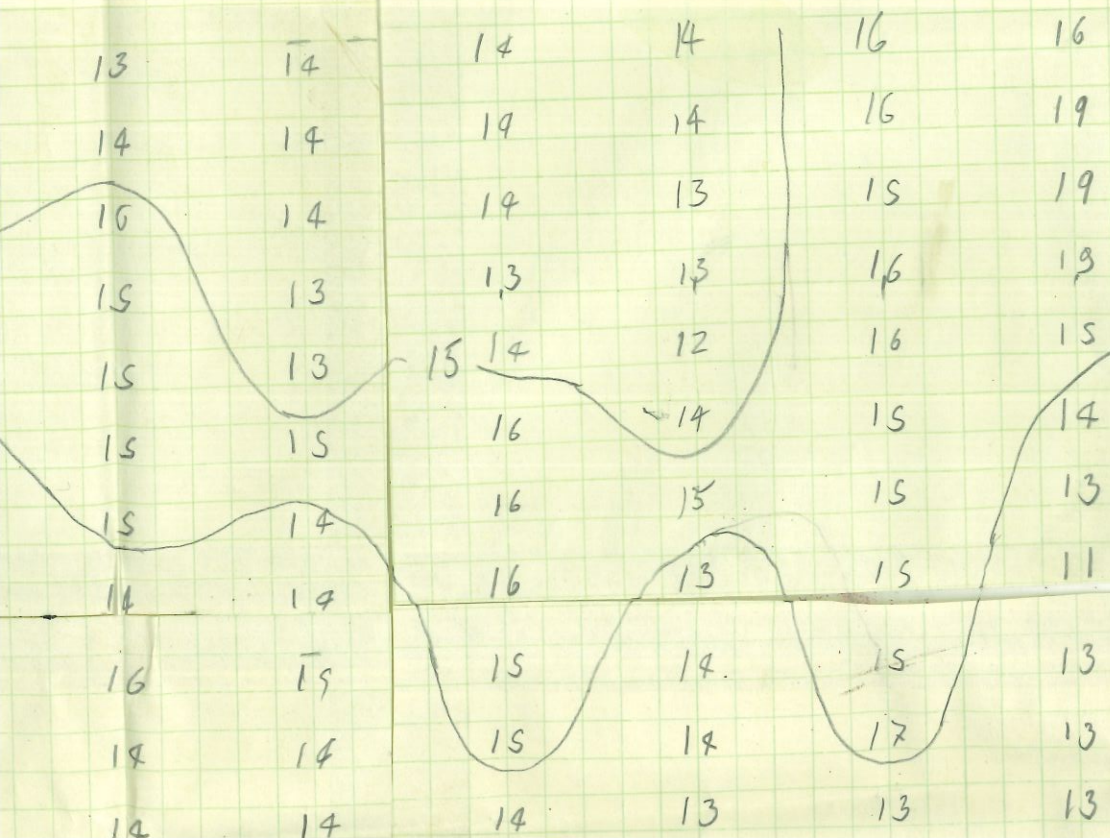
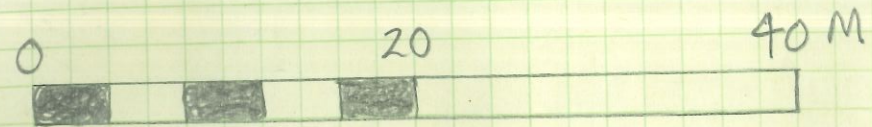
7/18/67

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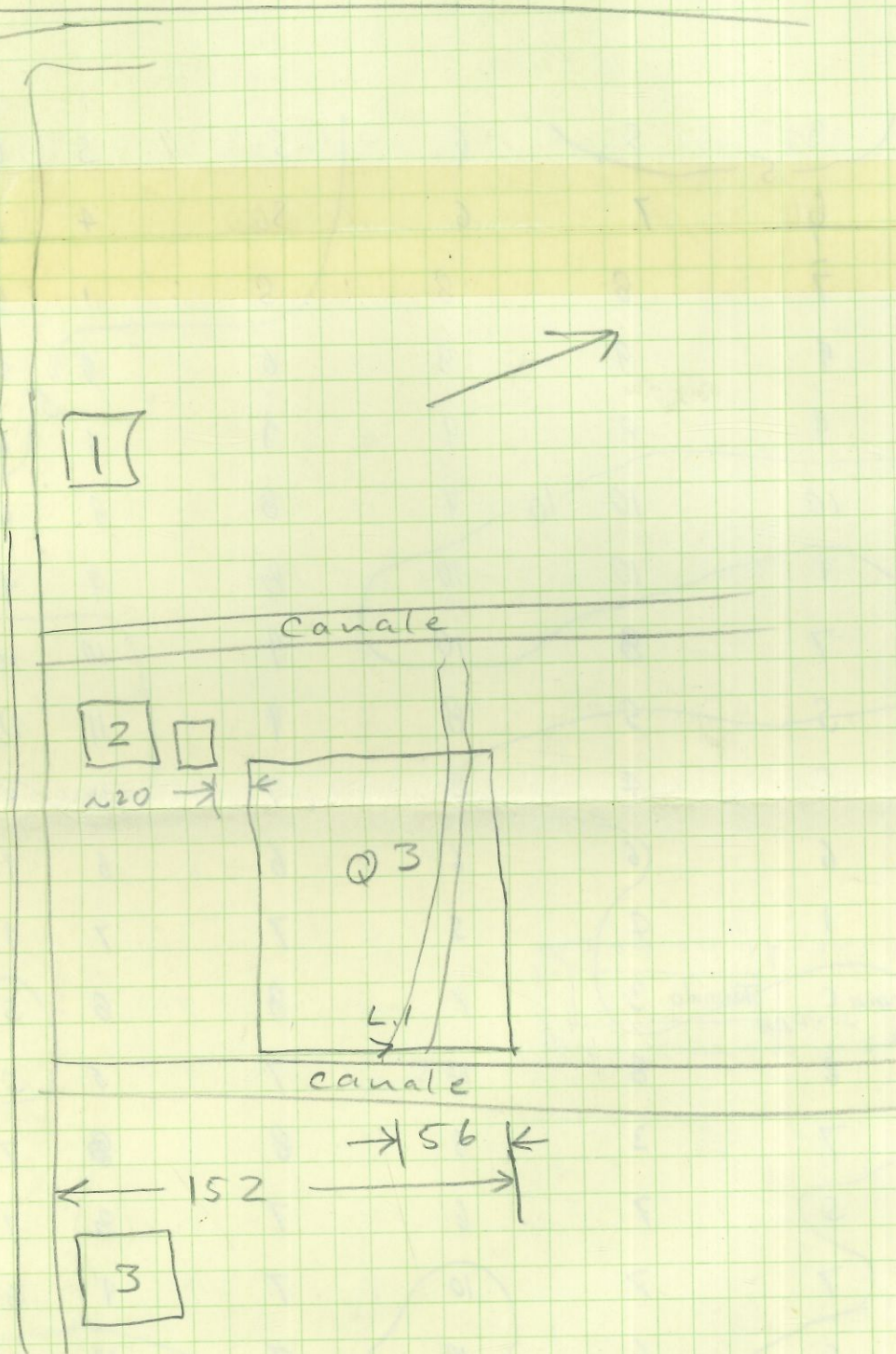
Q 2 SIRII



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	10	12	12	8	12	5	16	12	13	13	14
	11	10	12	9	14	18	15 15	12	14	14	15
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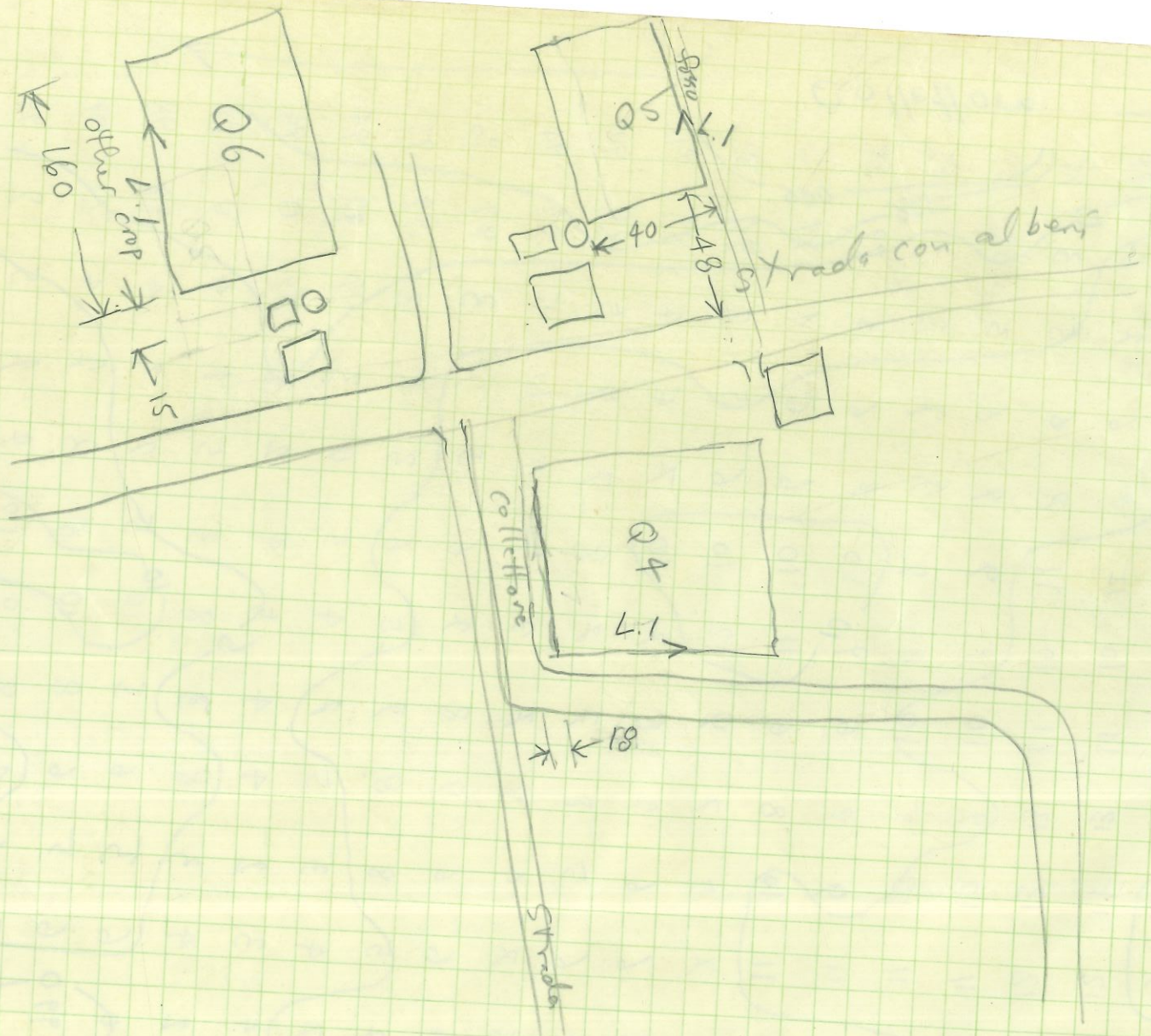
National Highway

Q 3



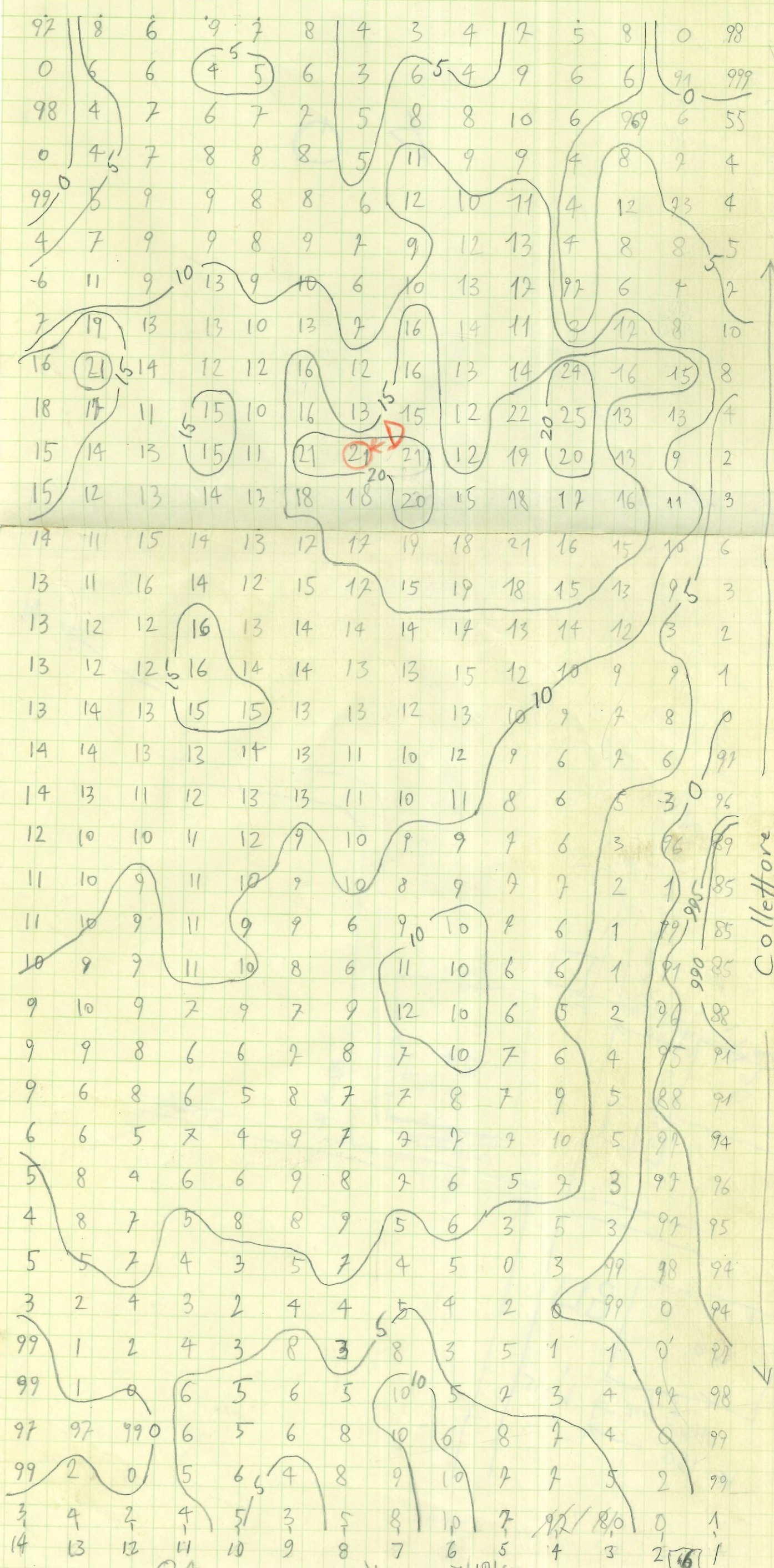
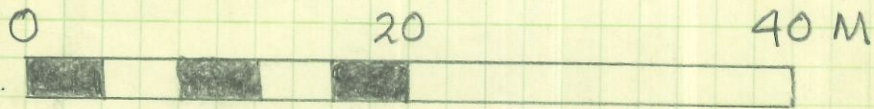
Q

3



Q 4

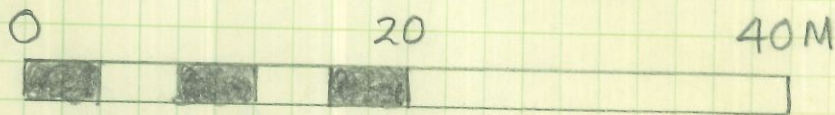
Q 4 SIRII



Collectore

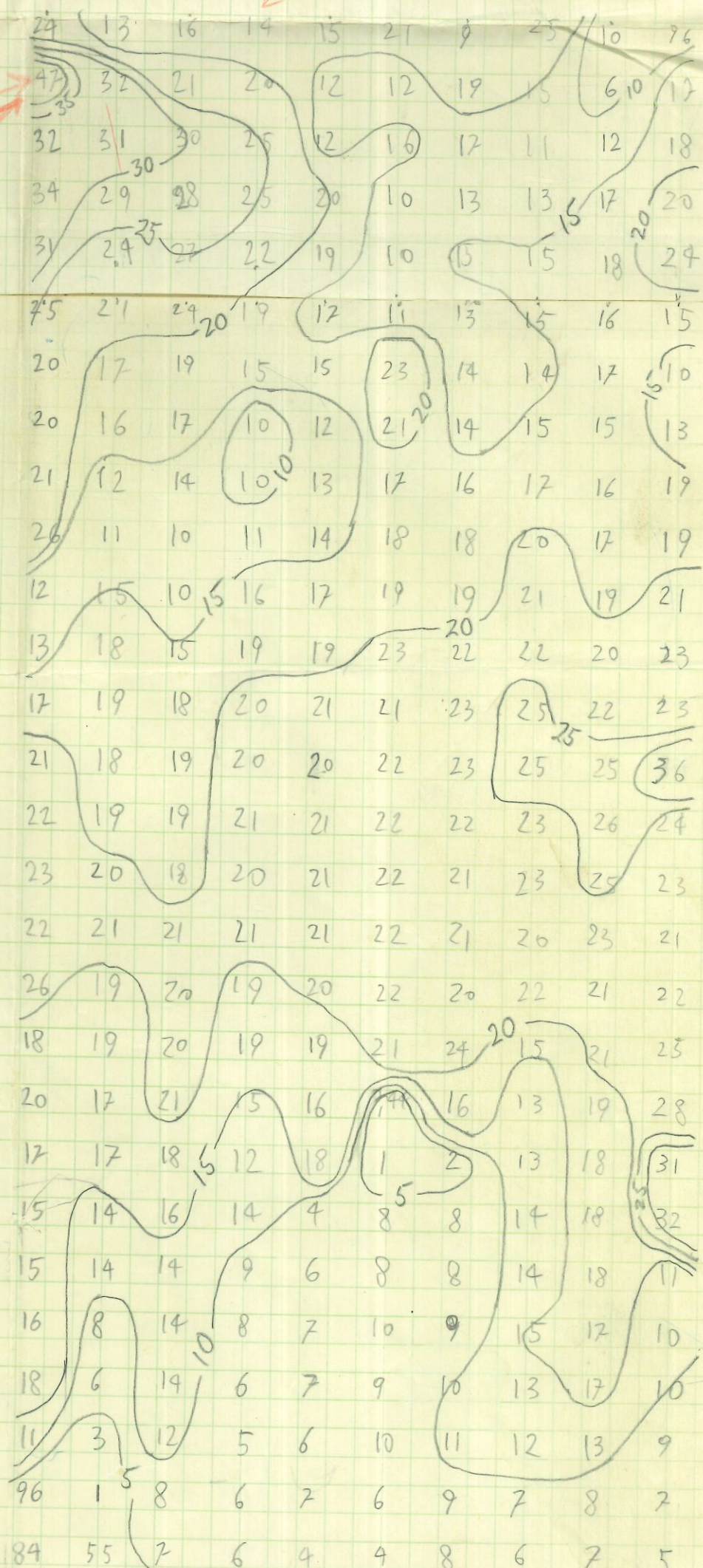
Q 5

Q5 SIRII



2.50 duro
 B
 Q5

2.6 duro



15 14 13 12 11 10
 Casa →
 Q5

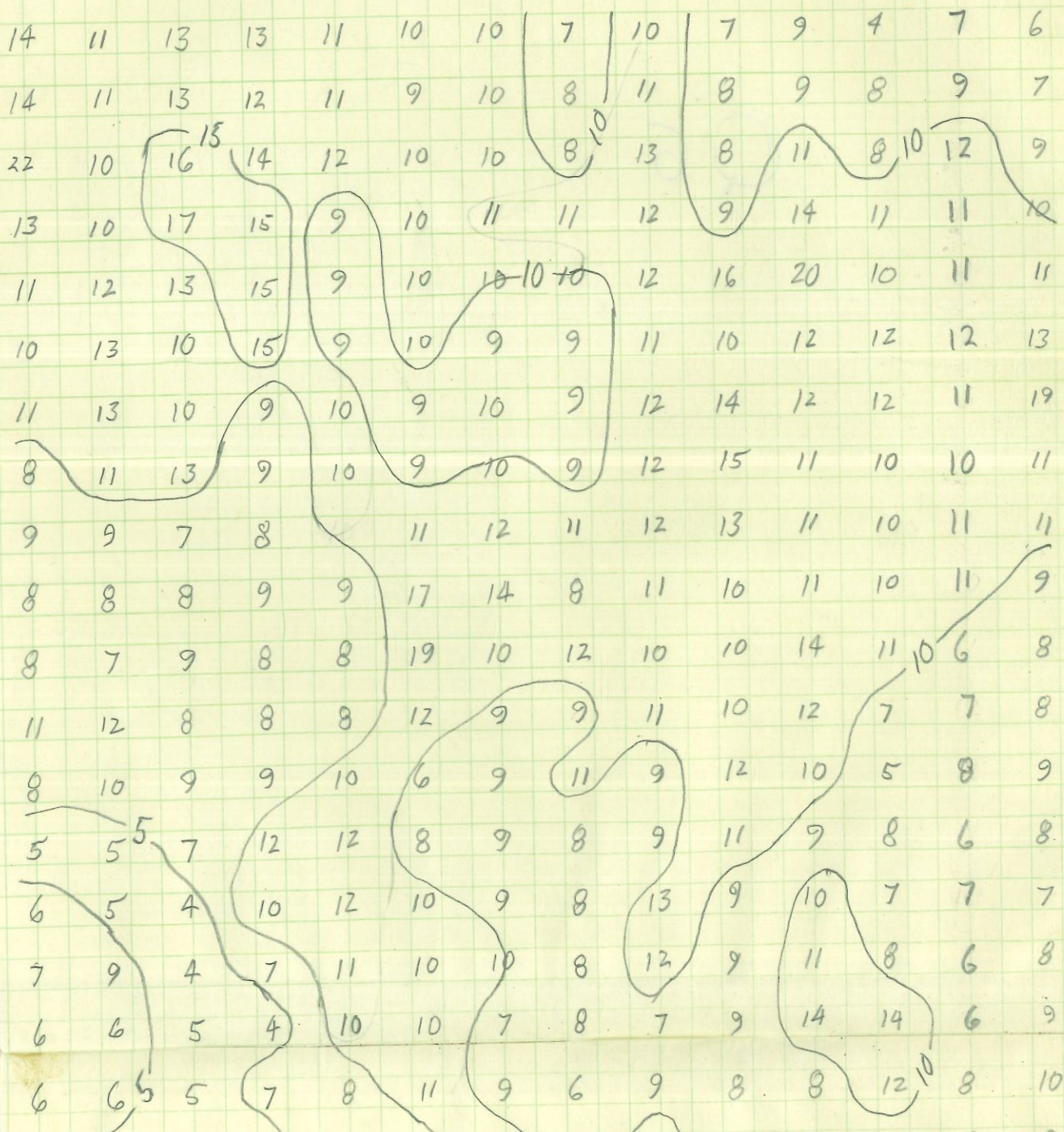
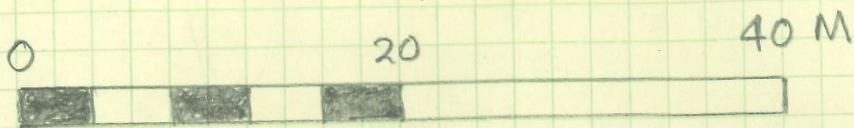
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 9 8 7 6 5 4 3 2 1
 7/19/67

16

Q 6

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Q 6 SIRII



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6	5	7	5	9	8	17 ⁵	10	11	9	10	7	10	7
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35	7	13	10	14	10	22	6	8	3 ⁵	5	6	7	5
21	14	15 ¹⁵	14	12	11	7	6	13	7	8	5 ⁵	3	5
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22	13	9	9	18	8	8	13	8	6	7	3	3	2
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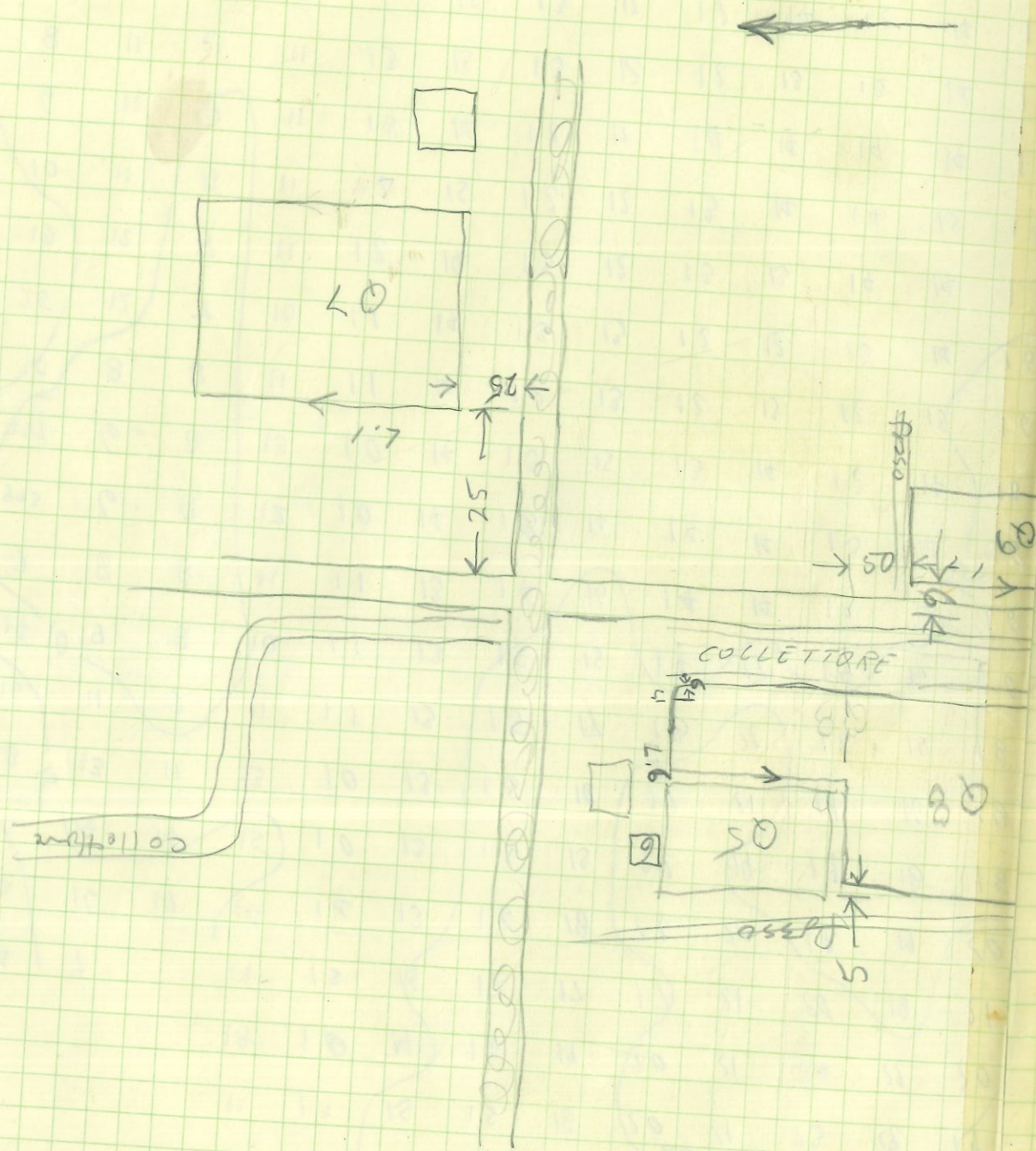
Q6

7/19/67

casa

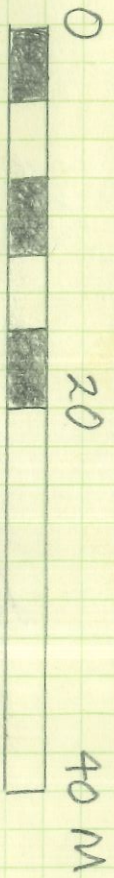
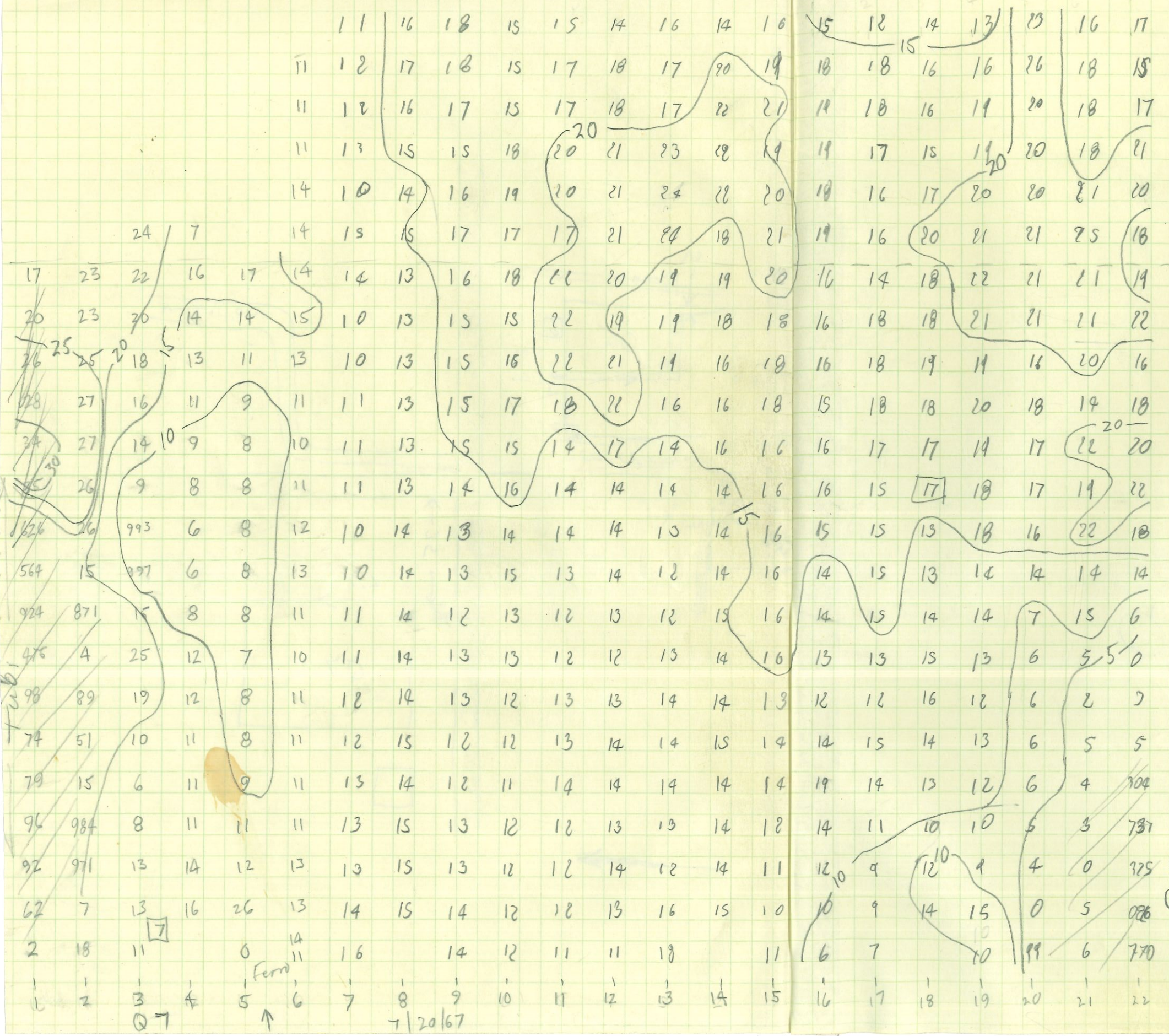
fractore





Q 7

Q7



Q7

Ferra
↑

7/20/67

Casa

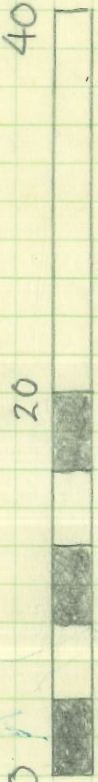
Q 8

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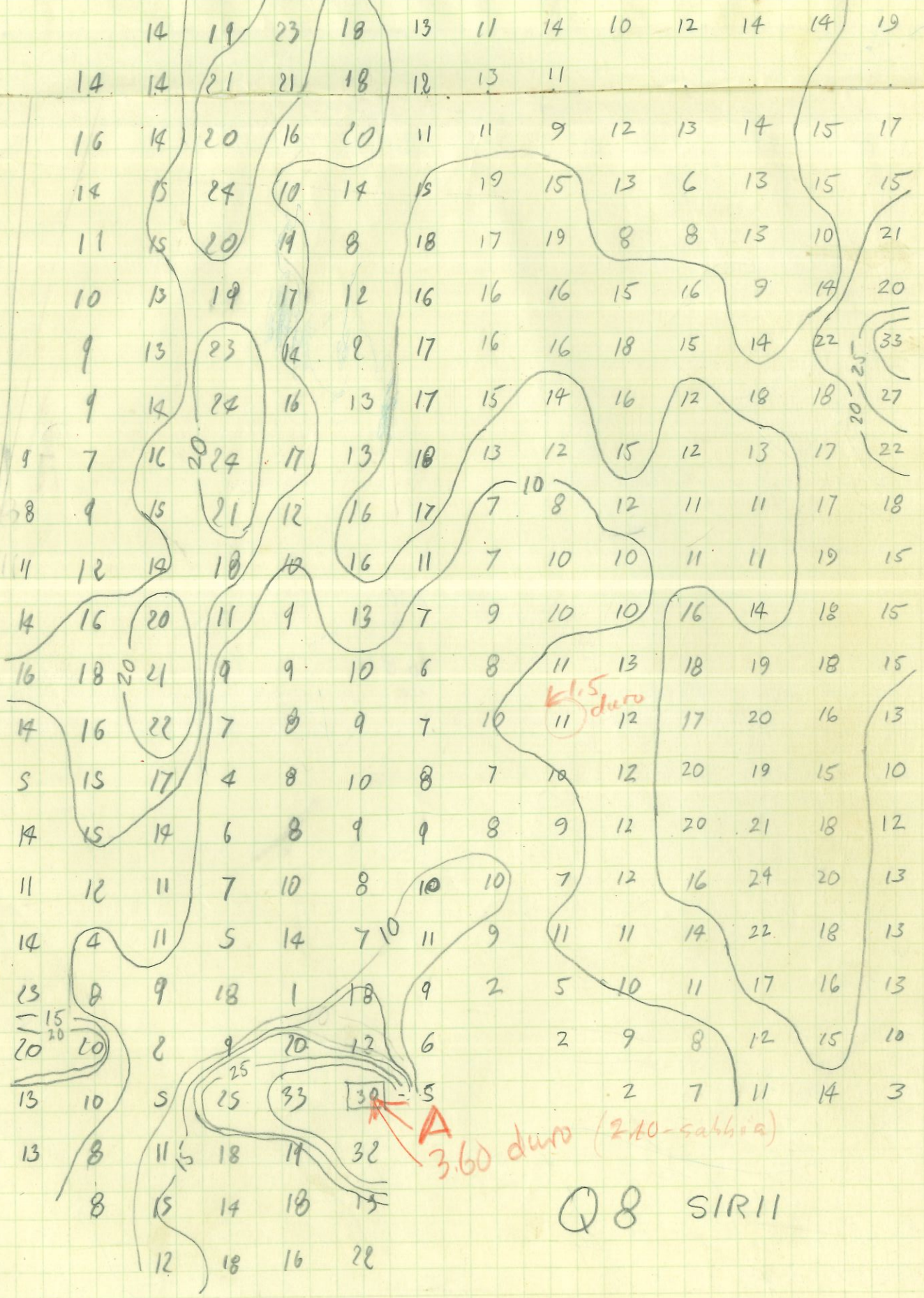
40M



2.5 sabbia
3.5 dura

non passano

COLLETTORI



1.5 duro

3.60 duro (210-sabbia)

Q8 SIRII

1 2 3 4 5 6 7 8 9 10 11 12 13 14
 Q 8
 7/20/67

Q 9

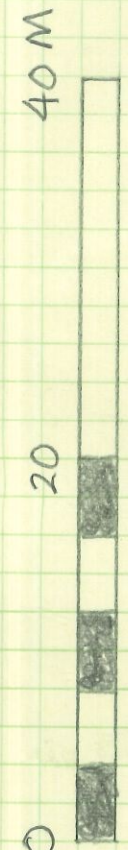
Q9

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4		2	1	4	6		14			
0		2	2	5	8		15			
3		5	54	7	8		13			
4		7	6	7	8		13			
3		7	8	7	10		10			
2	2	8	92	6	8	7	8	10		
1	3	5	0	10	13	9	7	8	6	10

pomodori

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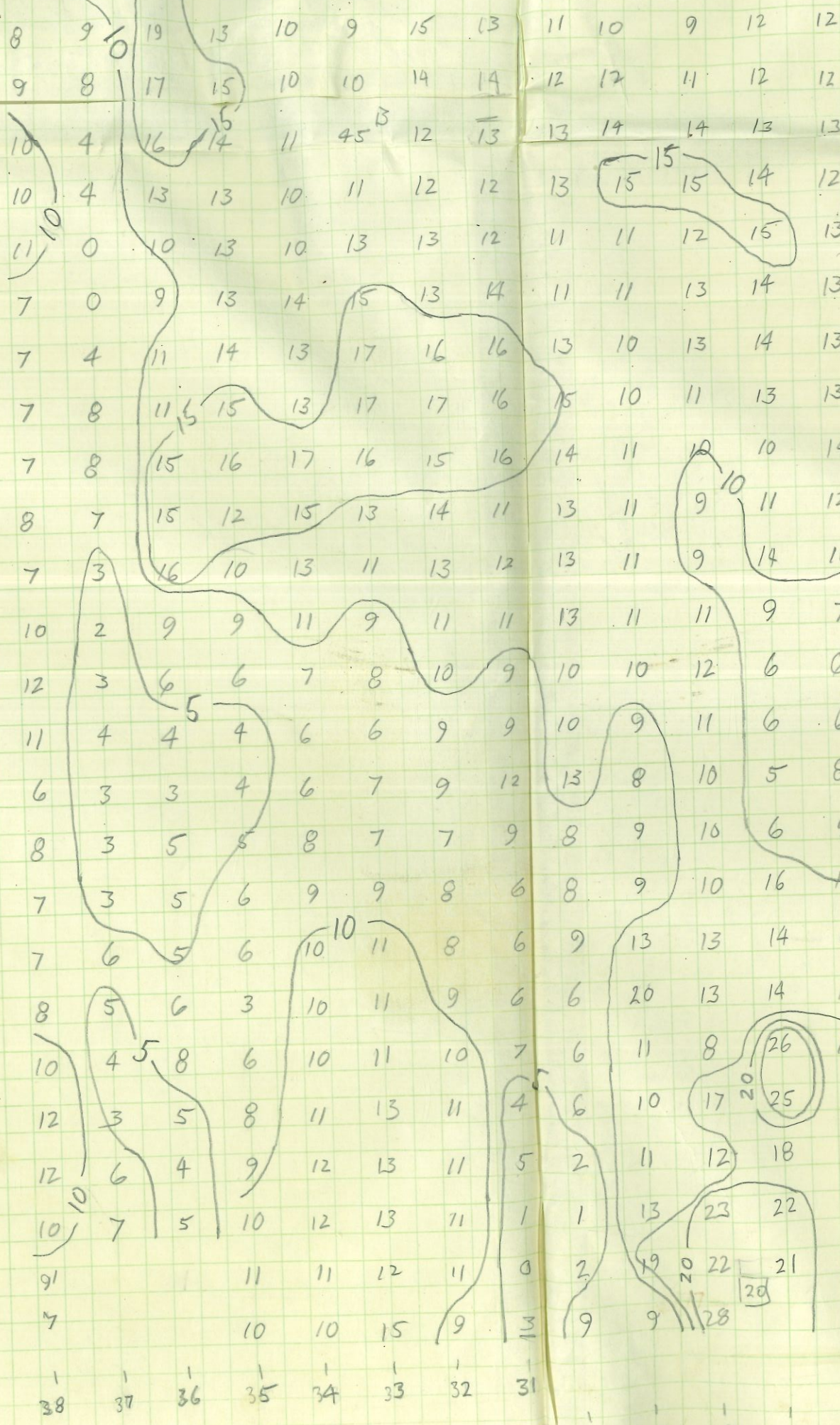
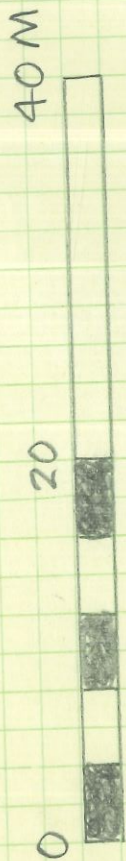
tobacco



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 ↓ Q9 7/20/67

Q 10

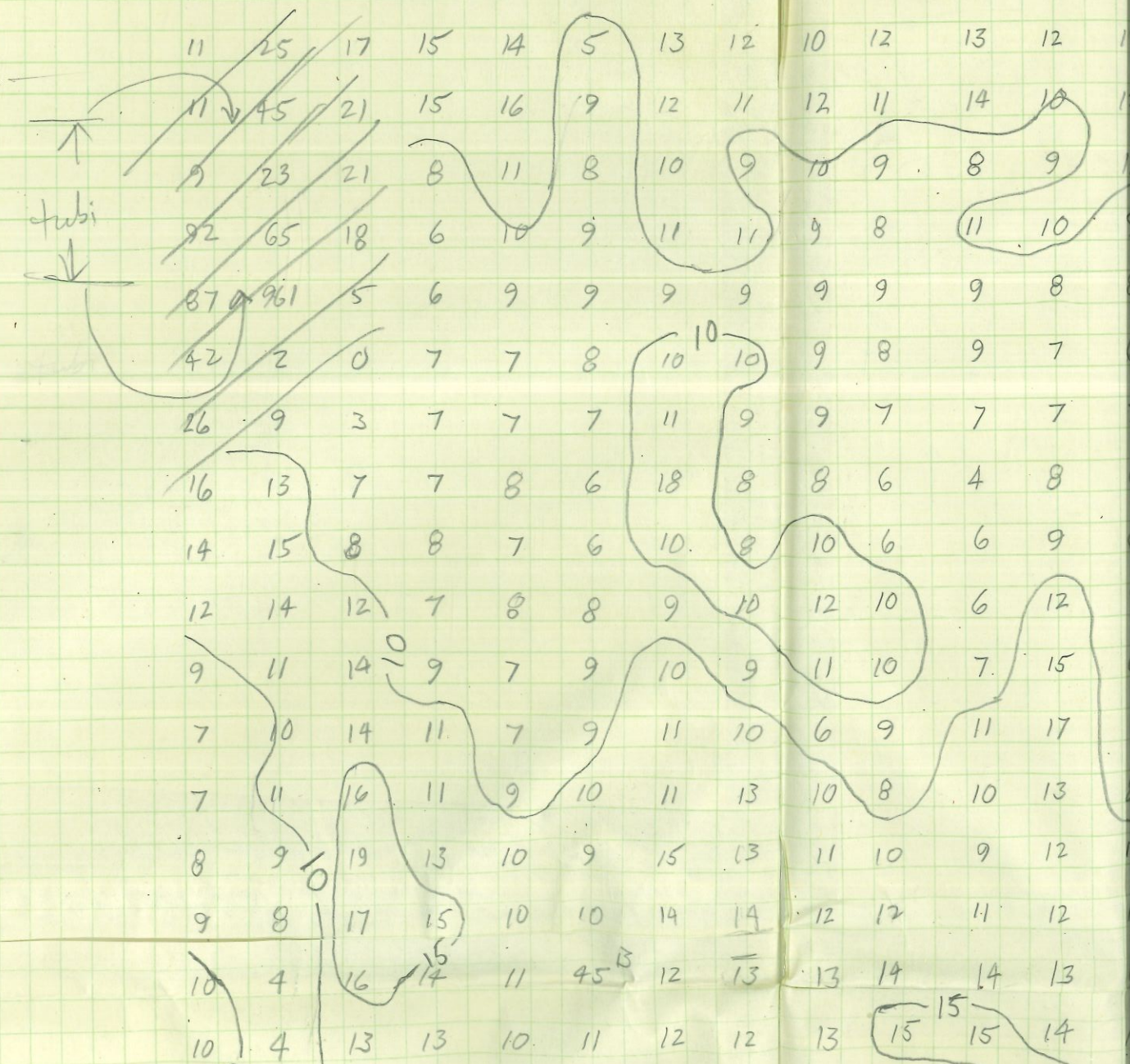




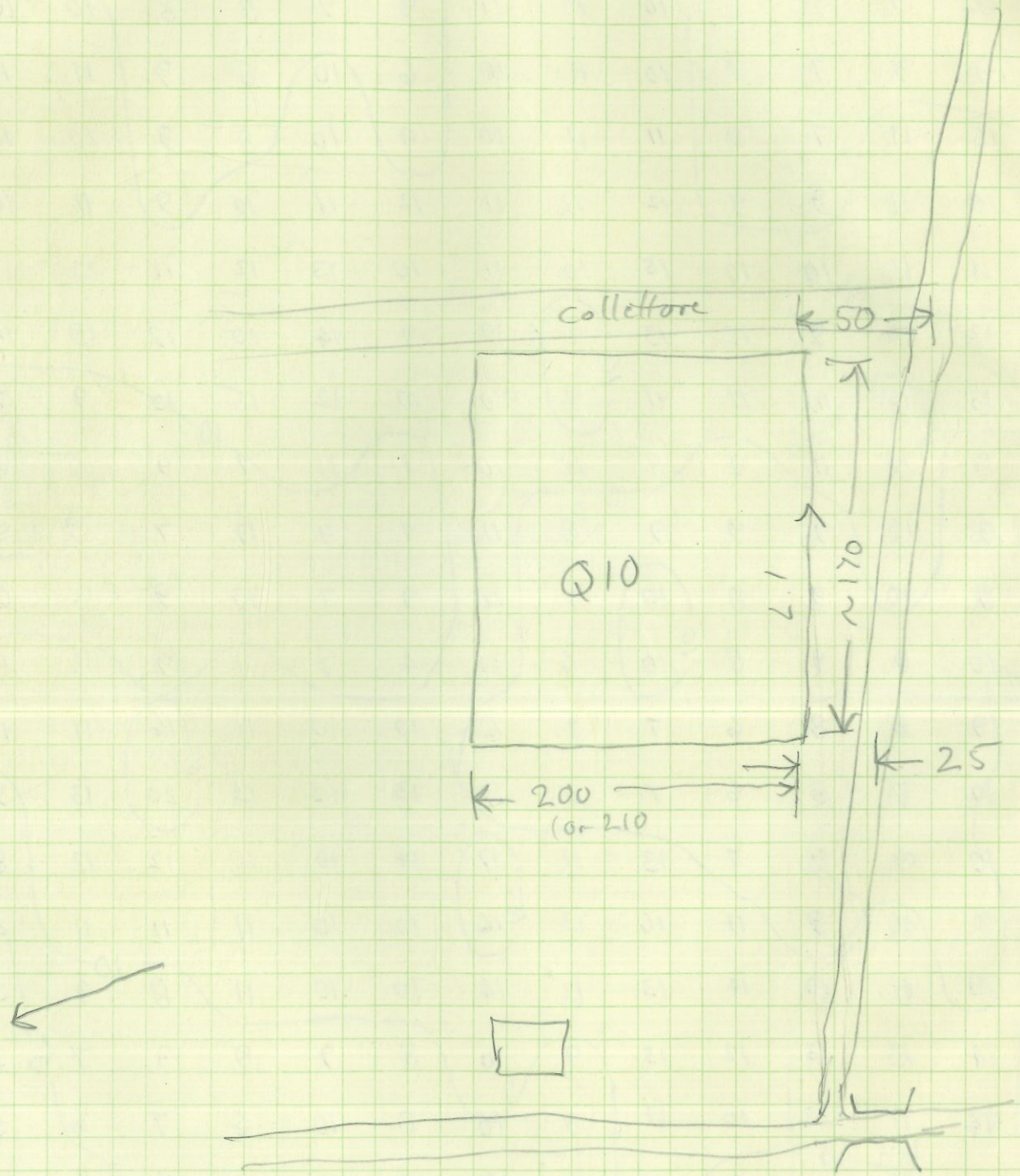
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7	11	16	11	9	10	11	13	10	8	10	13	1	1
8	9	19	13	10	9	15	13	11	10	9	12	1	1
9	8	17	15	10	10	14	14	12	12	11	12	1	1
10	4	16	14	11	45	12	13	13	14	14	13	1	1
10	4	13	13	10	11	12	12	13	15	15	14	1	1

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Dun Ailinne
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3 74 74 86 86 86 85 90 89 94 96 708

3 73 75 84 84 84 83 88 84 90 93 706

90	89	99	90	92	82	79	75	74	79	84	
89	89	94	89	86	76	77	67	77	66	79	
88	89	87	94	84	82	72	65	54	63	50	703
91	88	84	88	77	73	66	52	32	42	47	99
87	85	82	87	75	68	57	41	14	5	582	780
85	83	80	84	72	59	47	22	582	544	494	45
85	84	81	74	65	53	37	4	553	504	344	205
83	79	74	72	64	53	35	2	541	469	276	124
80	77	74	75	66	56	38	0	543	467	288	073
79	76	74	78	70	57	38	0	558	498	347	178
78	77	77	80	72	62	48	8	575	532	429	294
78	79	78	82	78	71	57	25	0	567	511	421
78	80	79	84	81	74	62	40	22	596	578	524
77	81	81	86	81	76	67	51	39	22	14	590
75	75	80	87	83	78	75	58	53	45	41	629
74	37	83	92	85	78	73	68	63	55	60	656
79	85	96	96	89	82	80	78	72	66	73	73
81	86	89	96	91	87	84	82	76	72	82	87

81	86	89	96	91	87	84	82	76	72	82	87
80	81	83	92	91	92	90	82	84	81	91	97
78	78	8	15	14	14	-12		-12		-14	-20
81	80	80	88	88	94	95	89	91	86	96	700
83	81	81	88	90	94	709	703	90	90	99	704
82	82	82	89	91	95	96	717	85	90	700	707
81	80	82	90	90	90	86	25	88	94	702	708
82	81	83	90	89	88	86	80	91	95	703	710
83	83	84	90	90	87	86	88	91	94	704	712
81	84	86	93	93	89	85	89	93	95	703	711
80	82	84	94	91	87	84	89	91	94	703	712
78	79	81	90	89	86	84	90	92	94	703	711
79	77	79	86	88	88	87	87	90	93	702	712
77	77	76	84	86	87	87	93	89	93	701	713
75	75	77	84	86	86	87	90	90	93	99	710
73	74	77	86	86	86	85	90	89	94	96	708
73	73	75	84	84	84	83	88	84	90	93	706
72	73	76	82	83	83	83	85	82	88	93	700
7	7	8	-15	-14	14	12	12	12	12	14	20 -20
667		668	675	674	672	672	672	674	674	685	
24	25	26	27	28	29	30	31	32	33	34	35