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ORKUSTOFNUN
MÁLASAFN

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JARÐVIÐNAMSMÆLINGAR

"REYKJAVÍK OG NAGRENNI"

M O S F E L L S D A L U R

F L U G V Ö L L U R I N N I R E Y K J A V Í K

K O R P U L F S T A Þ I R

B L I K A S T A Þ I R

U L V A R S A

L A U G A R N A R I R E Y K J V Í K

KELDUR
KISTUFOSS
KRISUVÍK
VIFILSSTAÐIR

Gunnar Böðvarsson

1947 - 1952

Jarðviðnámsmælingar við Laugarnar í Reykjavík 14. 6. 1947.

Mæling þessi er gerð ca 100m fyrir ~~XXXXXX~~ suðaustan þvottahúsið
Stefna norður-suður.

Afstaða póla mtr.	Spenna VeVolt	Straumur IeAmp.	Spenna VpVolt	Eðlisviðnám Ohm/cm.
10-10-10	22.5	0.031	0.094	19,000
30-30-30	-	0.036	0.036	18,800
50-50-50	-	0.042	0.016	12,000
- - -	135	0.230	0.084	11,500
70-70-70	-	0.200	0.021	4,600
100-100-100	-	0.140	0.0078	3,400
150-150-150	-	0.145	0.0035	2,270
200-200-200	-	0.160	0.0020	1,600

G.B.

Jarðviðnámsmælingar við Úlvarsá í Mosellssveit II. 4. 1947.

Mæling þessi er gerð í punkti í miðju túuni, fyrir norðan volgrur. Meðalhiti vatns í 5 volgrum 23°C. Viðnám vatns ca 8,000 Ohm/cm (onákvæmt) Hiti vatnsins í Úlvarsá 16°C Viðnám vatnsins í Úlvarsá við 16°C ca 20,000 ohm/cm (onákvæmt).

Afstaða póla mtr.	Spenna VeVOLT	Straumur IeAmp.	Spenna VpVOLT	Eðlisviðnám. Ohm/cm.
10-10-10	22.5	0.021	0.038	11,300
30-30-30	-	0.046	0.046	19,000
50-50-50	-	0.029	0.019	20,500
75-75-75	135	0.124	0.054	20,500
100-100-100	-	0.145	0.045	19,400
150-150-150	-	0.200	0.040	18,800
200-200-200	-	0.110	0.015	17,100

G.B.

Jarðviðnámsmælingar á Blikastöðum í Mosfellssveit 12. 6. 1947.

Mæling þessi er gerð í punkti 25m fyrir auðtan volgru, stefna 30° austur af kompásnorðri. Hiti í volgru 20.5°C Viðnám vtms í volgru ca 7,000 OHM/cm (ónákvæmt) Jarðvegshiti 12°C.

Afstaða póla mtr.	Spenna VeVOLT	Straumur IeAMP.	Spenna VpVOLT	Eðlisviðnám. Ohm/cm.
10-10-10	22.5	0.027	0.063	14,700
30-30-30	-	0.023	0.025	20,400
50-50-50	-	0.017	0.009	16,700
70-70-70	135	0.117	0.043	16,100
100-100-100	•	0.150	0.039	16,300
150-150-150	-	0.115	0.016	18,100
200-200-200	-	0.130	0.012	11,500

G.R.

Jarðviðnámsmælingar á Korpúlfsstöðum í Mosfellssveit.

Mæling þessi er gerð við volgru sem er í túninu. Hiti vatnsins í volgrunni var 18°C Viðnám vatnsins við 18° C var ca 2,100 Ohm/cm

Afstaða póla mtr	Spenna VeVolt	Straumur IeAmp.	Spenna VpVolt	Eðlisviðnám. Ohm/cm.
10-10-10	22.5	0.021	0.040	12,000
30-30-30	-	0.025	0.031	23,400
50-50-50	-	0.027	0.025	29,000
70-70-70	-	0.023	0.016	30,600
100-100-100	135	0.015	0.006	25,000
150-150-150	-	0.033	0.008	22,800
200-200-200	-	0.016	0.002	15,700

J.F.

Jarðviðnámsmælingar á Flugvellinum í Reykjavík 13. 6. 1947

Mæling þessi er gerð á túni fyrir norðan miðju vallarins.

Afstaða póla mtr.	Spenna VeVOLT	Straumur IeAmp.	Spenna VpVOLT	Eðlisviðnám Ohm/cm.
10-10-10	22,5	0.044	0.115	16.500
30-30-30	-	0.026	0.033	23,800
50-50-50	-	0.030	0.017	17,800
8 - -	135	0.175	0.098	17.600
100-100-100	-	0.155	0.022	8.900
150-150-150	-	0.207	0.016	7,300
200-200-200	-	0.190	0.013	8.600

G.B.

Jarðviðnámsmælingar í Mosfellsdal í Júlí 1947.

Mæling þessi er gerð ca 25m austur af afleggara að Varmalandi,
í beinni stefnu austur af Reykjahlíð 5. Ágúst 1947.

Afstaða póla mtr.	Spenna VeVolt	Straumur IeAmp.	Spenna VpVolt	Eðlisviðnám Ohm/cm.
10-10-10	135	0.080	0.078	6,100
30-30-30	-	0.090	0.013	2,700
50-50-50	-	0.070	0.0041	1,850
70-70-70	-	0.070	0.0022	1,400
90-90-90-	-	0.072	0.0015	1,180
110-110-110	e	0.075	0.001	1,920
130-130-130	-	0.070	0.0055	650
150-150-150	-	0.055	0.004	690
170-170-170	-	0.060	0.005	890
190-190-190	-	0.062	0.007	1,350

J.F.

Jarðviðnámsmælingar í Mosfellsdal í Júlí 1947.

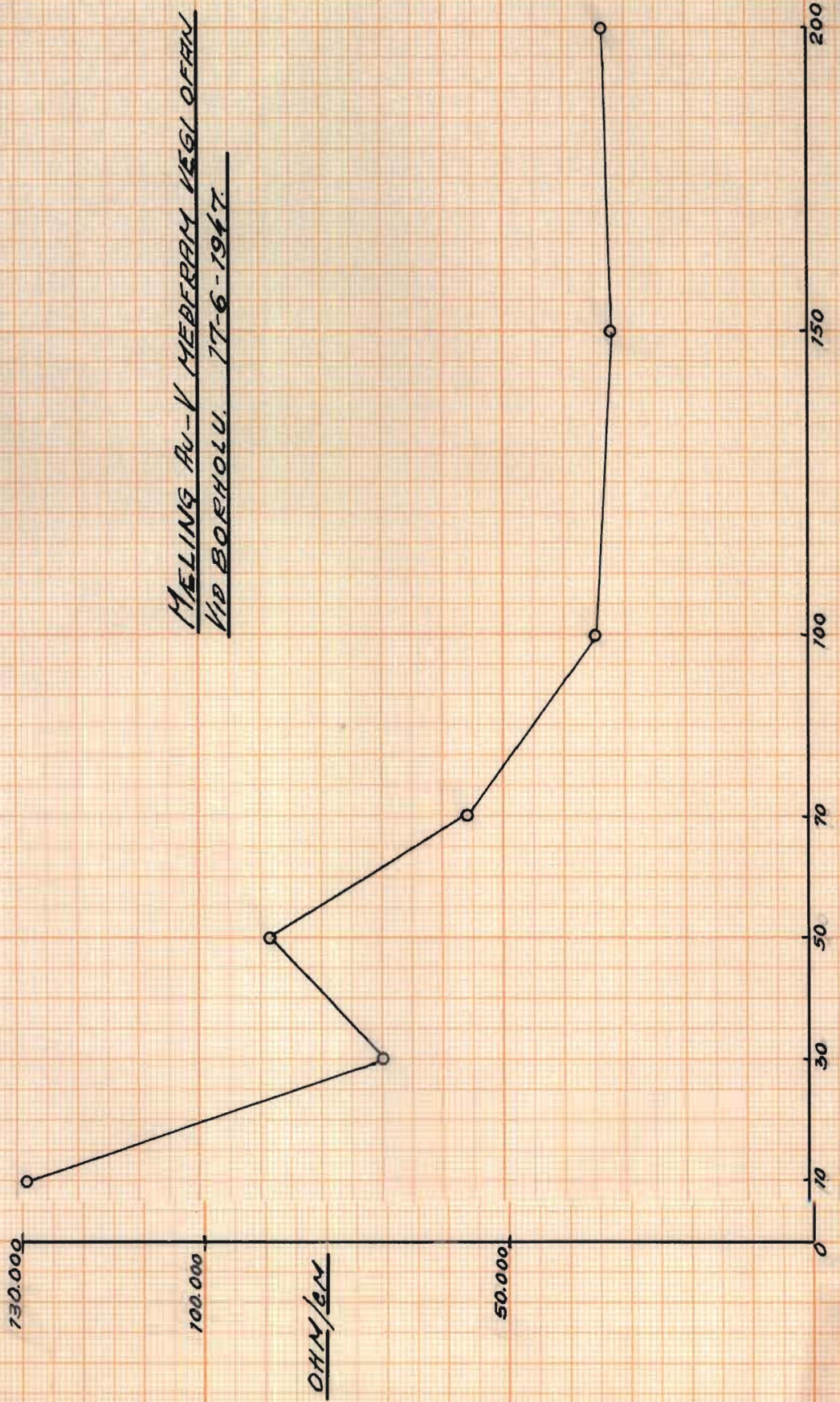
Mæling þessi er gerð í túni ca 80 m vestur af afleggjara að Varmalandi og ca 40 m suður af aðalvegi. Stefna samhliða aðalvegi.

Afstaða póla mtr.	Spenna VeVOLT	Straumur IeAmp.	Spennaa VpVOLT	Eðlisviðnám Ohm/cm.
10-10-10	135	0.075	0.055	4.600
30-30-30	-	0.077	0.015	3,600
50-50-50	-	0.070	0.007	4,500
70-70-70	-	0.060	0.005	3,700
90-90-90	-	0.065	0.0045	3,900
110-110-110	-	0.065	0.004	4,200
130-130-130	-	0.065	0.0035	4,400
150-150-150	-	0.070	0.0035	4,700
170-170-170	-	0.072	0.0031	4,600
190-190-190	-	0.083	0.0030	4,300

J.F.

VIFILSSTADIR

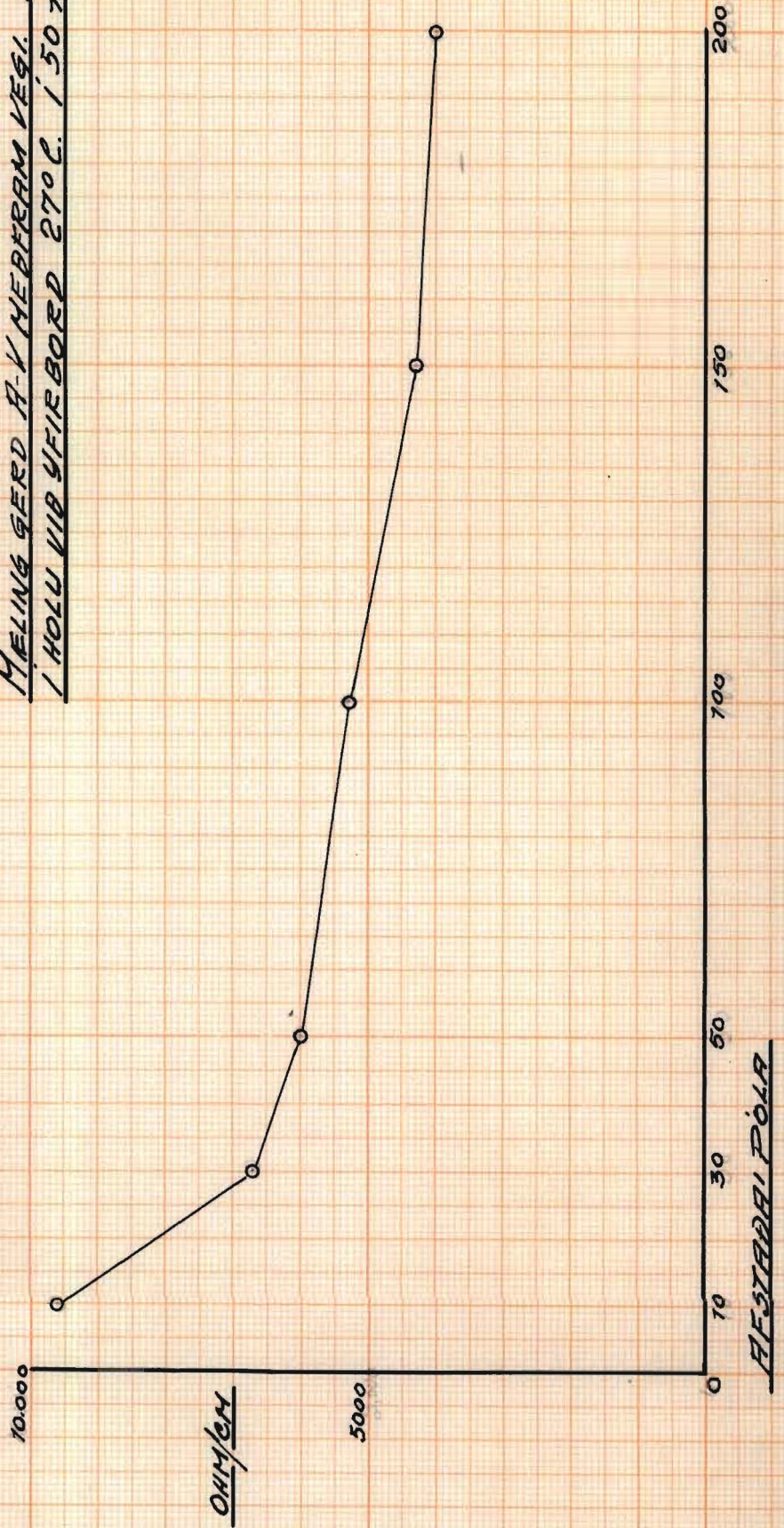
MEILING AU-V MEDEFRAM VEGI OFAN
VID BORHOLU. 17-6-1947.



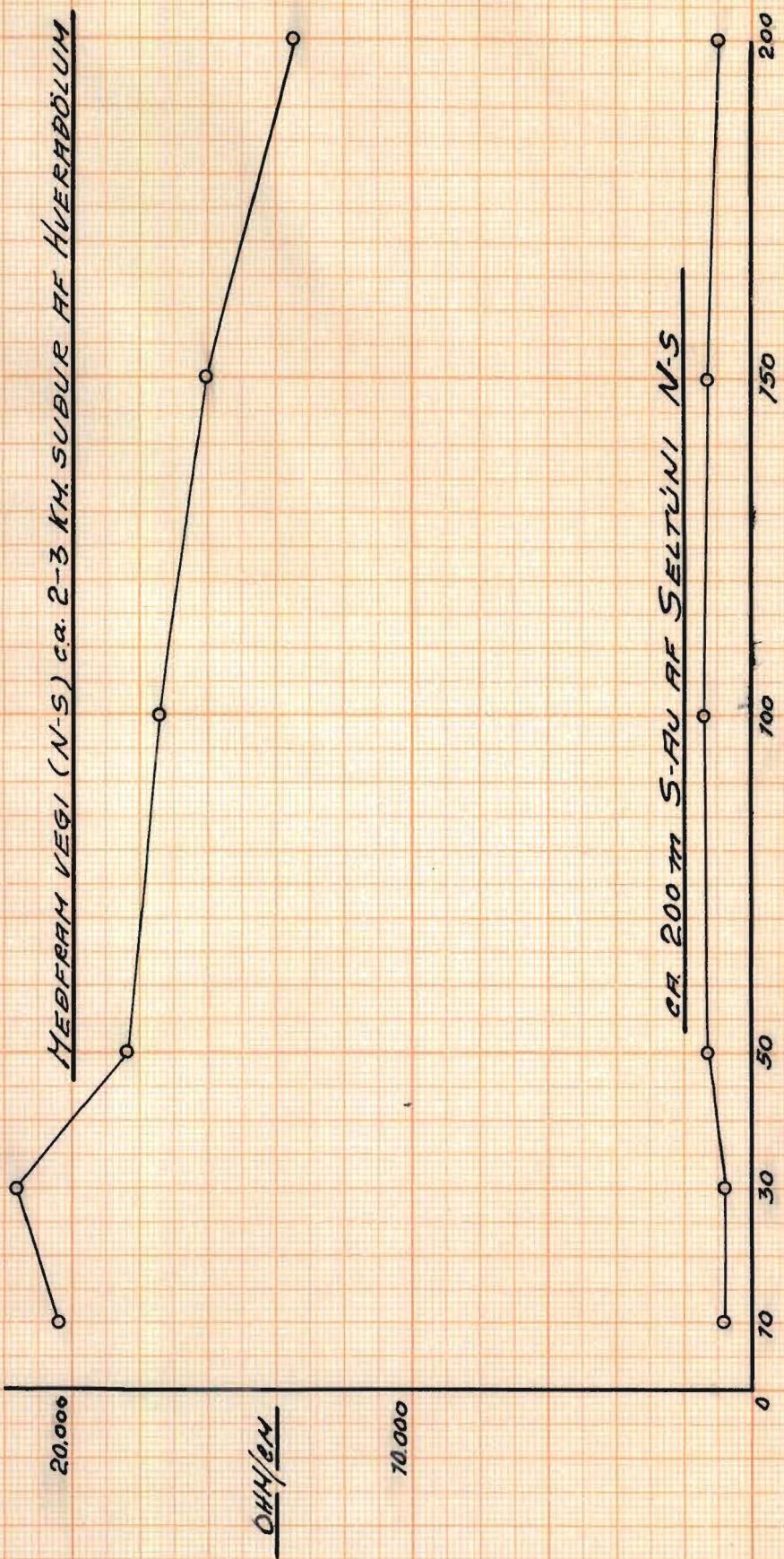
AFSTABA PóLA

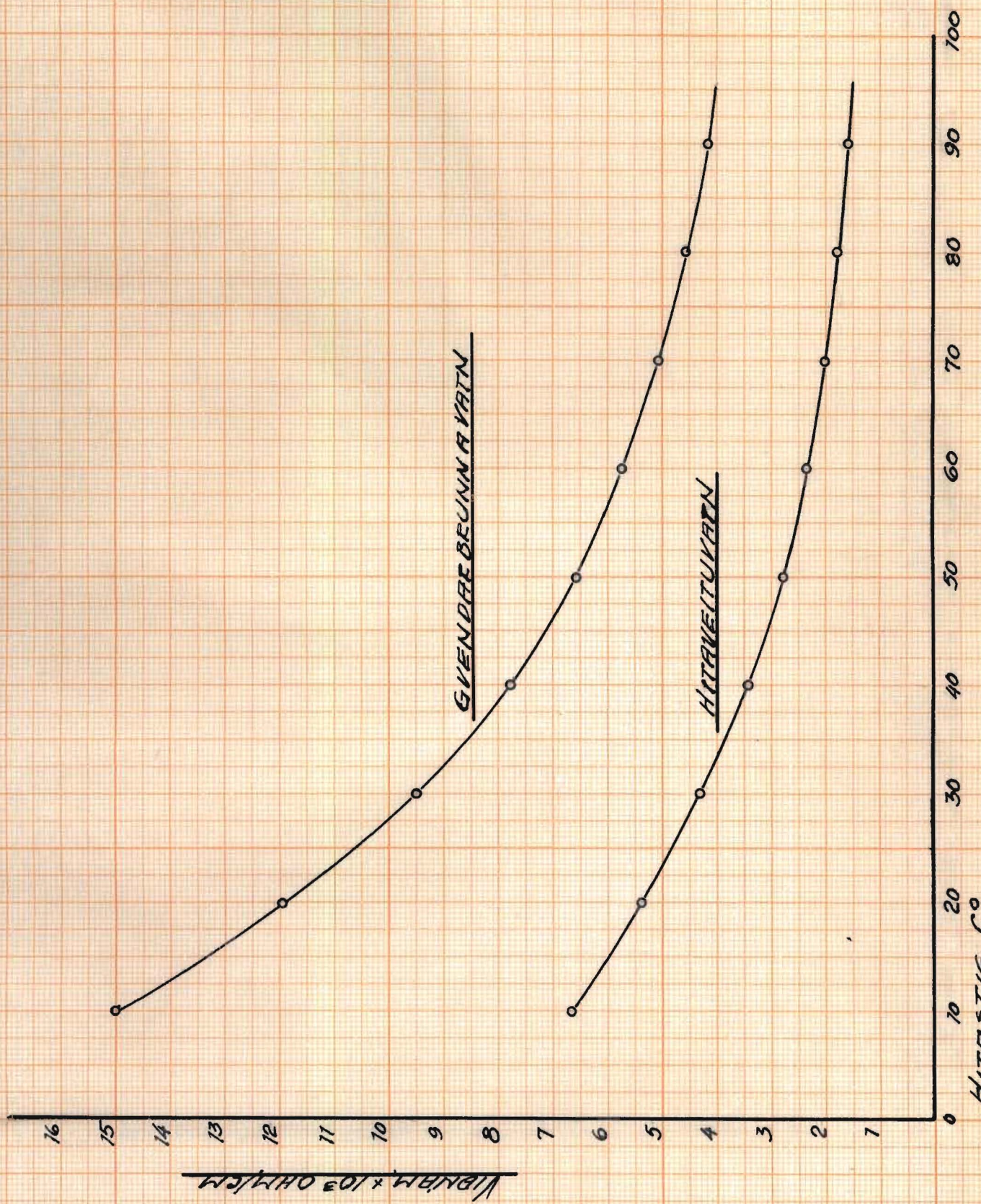
GLJUFURARHOLT

MÆLING GERD A-V MEBFRAM VESI. HITI
1 HÖLU VIB YFIR BORD 27°C. 1.50 m 52°C.



KRISLUK





17. MAREZ 1945

Jarðboranir ríkisins.

Vatn frá: Borholu - SUÐUR-REYKIR- Mosfellssveit

Tekið þann / 1947 við borholu

x Síði yfirlitlok 1946

Kv. mtr. Gas: -

Hitastig: 85 °C , Vatnsmagn: l/sek , Sýrutala Ph:

Efnagreining.

Þurefni: 198 mg/l (105 °C) , Spektr.: -

Viðnám: 4500 Ohm (25 °C) , Viðnámsstuðull: 1,13 gr/gr Ohmcm

Sýrutala Ph: 9,3 9.51 , Harka: 0,35 tot. Þ. Gr.

SiO₂ gravimetr.: 74,4 77 mg/l , SiO₂ coloriom.: 79 mg/l

E

Jón: mg/l , mgrek/l , leiðni

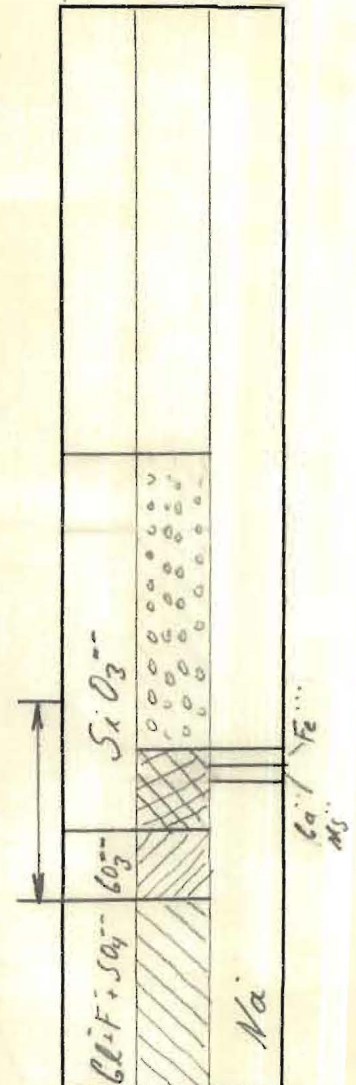
Jón	mg/l	mgrek/l	leiðni
Na ⁺	46 47	2,04	103
K ⁺	4 -		
Ca ⁺⁺	5 1,7	0,08	5
Mg ⁺⁺	v. 0,4	0,03	2
Fe ⁺⁺⁺	0.5 1,0	0,06	3
Al ⁺⁺⁺	-		
	Summa:	2,21	
Cl ⁻	14 16,2	0,46	35
F ⁻	0,8	0,04	2
CO ₃ ⁻⁻⁻	14,2	0,47	39
HCO ₃ ⁻	-		
S ⁻⁻⁻	-		
SO ₄ ⁻⁻⁻	27 36,1	0,75	61
NO ₃ ⁻			
Summa:	117,4	1,72	250
Reiknað viðnám:		4000	Ohmcm

vol

CO₂ mg/l

Alkalitet 13,5 cm³O₂/lnHCl/l

(7 + 6,5)



Vottur af: NH₄

97%

Jarðboranir ríkisins.

Vatn frá: Borholu - Suður-Reykir - Mosfellsáveit

Tekið þann 15 19 47 við borholu

Kv. mtr. Gas:

Hitastig: 85 °C , Vatnsmagn: l/sek , Sírutala Ph:

Efnagreining.

Þrefni: 198 mg/l (105 °C) , Spektr.:

Leiðni 0.222 x 10⁻³ l/Ohmcm(25 °C) 4,500 Leiðnisstuðull 1.13 Gr/gr Ohmcm

Sírutala Ph: 9,3 , T-Harka: 0.35 Þ. Gr.

SiO₂ coloriom.: 79 mg/l P-Harka: Þ. Gr.

SiO₂ gravimetr.: 74.4 mg/l S-Harka: Þ. Gr.

Jón: mg/l , mvk/l , leiðni Frjás CO₂: mg/l

Na ⁺	47.0	2.04	103
K ⁺	-		
Ca ⁺⁺	1.7	0.08	5
Mg ⁺⁺	0.4	0.03	2
Fe ⁺⁺⁺	1.0	0.06	3
Al ⁺⁺⁺	-		
	Summa:	<u>2.21</u>	
Cl ⁻	16.2	0.46	35
F ⁻	0.8	0.04	2
CO ₃ ⁻⁻	14.2	0.47	39
HCO ₃ ⁻	-		
S ⁻⁻	-		
SO ₄ ⁻⁻	36.1	0.75	61
NO ₃ ⁻			
Summa:	<u>117.4</u>	<u>1.72</u>	<u>250</u>

Bundin CO₂: mg/l

T-Alkalitet 13.5 cm³O, lnHCl/l

P-Alkalitet 7.0 cm³O, lnHCl/l

S-Alkalitet 6.5 cm³O, lnHCl/l

Vottur af:

NH ₄ ⁺						

mg/m³

Jarðboranir ríkisins.

Vatn frá: ~~KAX~~ LAUGAR - Reykjavík

Tekið þann / 1947 úr hvottanúsi
þ Síðt þorðla 10l 1946

Kv. mtr. Gas: H₂S lykt

Hitastig: 86 °C , Vatnsmagn: l/sek , Sýrutala Ph:

Efnagreining.

Þurefni: 280 mg/l (105 °C) , Spektr.:

Viðnám: 3500 Ohm (25 °C) , Viðnámsstuðull: 0,975 gr/gr Ohmcm

Sýrutala Ph: 8,5 , Harka: Tot 0,54 Þ. Gr.

SiO₂ gravimetr.: 116 mg/l , SiO₂ coloriom.: 110 mg/l

Jón: mg/l , mgrek/l , leiðni CO₂ - mg/l

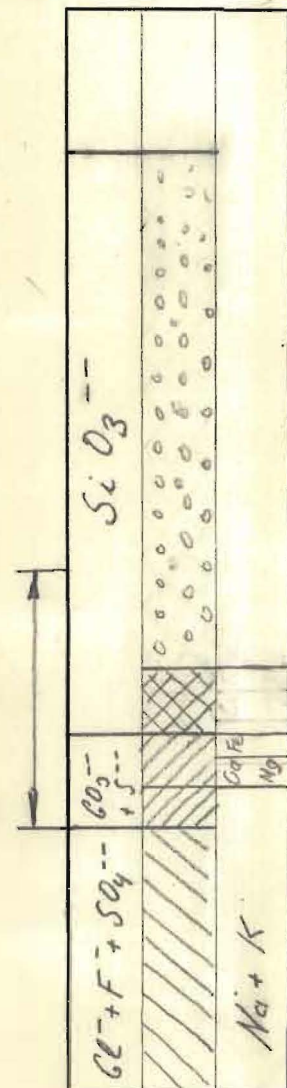
Jón:	mg/l	mgrek/l	leiðni
Na ⁺	57	2,47	125
K ⁺	-		
Ca ⁺⁺	2,9	0,14	8
Mg ⁺⁺	0,5	0,04	2
Fe ⁺⁺⁺	1,8	0,10	7
Al ⁺⁺⁺	-		
	Summa:	2,75	
27 Cl ⁻	28,5	0,80	61
F ⁻	1	0,05	4
CO ₃ ⁻⁻⁻	12,9	0,43	36
HCO ₃ ⁻	-		
S ⁻⁻⁻	3,2	0,20	16
24 SO ₄ ⁻⁻⁻	44,6	0,93	75
NO ₃ ⁻	-		
Summa:	152,4	2,41	334

Reiknað viðnám: 2990 Ohmcm

Vottur af: -

96%

Alkalitet 17,0 cm³ O₁nHCl/l
 (10,5 + 6,5)



Jarðboranir ríkisins.

Vatn frá: Laugar - Reykjavík

Tekið þann 15 19 47 úr þvottahúsi

Kv. _____ mtr. Gas: H₂S lykt

Hitastig: 86 °C , Vatnsmagn: _____ l/sek , Sýrutala Ph: _____

Efnagreining.

Þurefni: 280 mg/l (105°C) , Spektr.: _____

Leiðni 0.287 x 10⁻³ /Ohmcm(25°C) 3,500 Leiðnisstuðull 0.975 Gr/gr Ohmcm

Sýrutala Ph: 8.5 , T-Harka: 0.54 Þ. Gr.

SiO₂ coloriom.: 110 mg/l P-Harka: _____ Þ. Gr.

SiO₂ gravimetr.: 116 mg/l , S-Harka: _____ Þ. Gr.

Jón: mg/l , mvk/l , leiðni Frjás CO₂: _____ mg/l

Na ⁺	57.0	2.47	125
K ⁺	-		
Ca ⁺⁺	2.9	0.14	8
Mg ⁺⁺	0.5	0.04	2
Fe ⁺⁺⁺	1.8	0.10	7
Al ⁺⁺⁺	-		
	Summa:	<u>2.75</u>	
Cl ⁻	28.5	0.80	61
F ⁻	1.0	0.05	4
CO ₃ ⁻⁻⁻	12.9	0.43	36
HCO ₃ ⁻	-		
S ⁻⁻⁻	3.2	0.20	16
SO ₄ ⁻⁻⁻	44.6	0.93	75
NO ₃ ⁻	-		
Summa:	<u>152.4</u>	<u>2.41</u>	<u>334</u>

Bundin CO₂: _____ mg/l

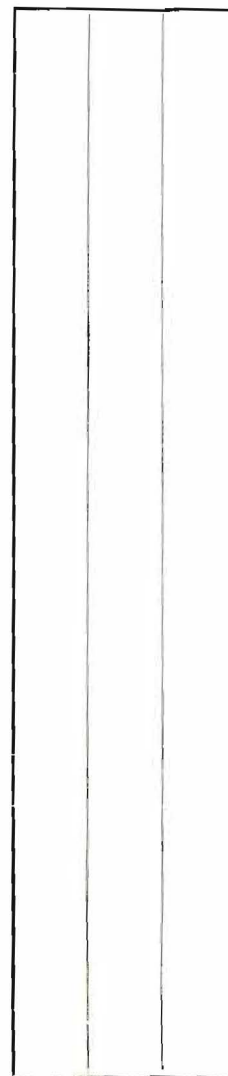
T-Alkalitet 17.0cm³O,lnHCl/l

P-Alkalitet 10.5cm³O,lnHCl/l

S-Alkalitet 6.5cm³O,lnHCl/l

Vottur af:

mg/m³



Jarðboranir ríkisins.

Vatn frá Laugaveita

Tekið þann: 26/8 1949., Hitastig: °C
 Vatnsmagn: l/sek , Kvóti: metr.
 Sýrutala Ph: 9.6 SiO₂, Coloriom.: 133 mg/l
 Leiðni: 0.283 x 10⁻³ 1/Ohmcm25 °C, Harka: 9.7 P. Gr. 3.530 ohm cm.
 Cl[÷]
 P=Alcalitet 8.90 cm³O, 1nHCl/l HCO₃⁻ mg/l
 S=Alkalitet 6.70 cm³O, 1nHCl/l CO₃⁻ mg/l
 T=Alkalitet 15.60 cm³O, 1nHCl/l OH[÷] mg/l

SO ₄ ⁻⁻	Cu					
15	0.1					
(18)						

Vatn frá Reykjahlíð, Mosfellssveit

Tekið þann: 25/8 1949., Hitastig: °C
 Vatnsmagn: l/sek , Kvóti: metr.
 Sýrutala Ph: SiO₂, Coloriom.: mg/l
 Leiðni: 0.227 x 10⁻³ 1/Ohmcm25 °C, Harka: P. Gr. 4.420 ohm cm.
 Cl[÷] 22.5 mg/l
 P=Alcalitet 5.8 cm³O, 1nHCl/l HCO₃⁻ mg/l
 S=Alkalitet 8.9 cm³O, 1nHCl/l CO₃⁻ mg/l
 T=Alkalitet 14.7 cm³O, 1nHCl/l OH[÷] mg/l

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Jarðboranir ríkisins.

Vatn frá Þvottalaugum

Tekið þann: 12/11 19 49,

Hitastig: ° C

Vatnsmagn: l/sek ,

Kvóti: metr.

Sýrutala Ph: 9.6 SiO₂, Coloriom.: mg/l

Leiðni: 0.275 x 10⁻³ 1/Ohmcm25 °C,

Harka: Þ. Gr. 3.630 ohmcm.

Cl⁻ 32 mg/l

P=Alcalitet 7.6 cm³O, 1nHCl/l

HCO₃⁻ mg/l

S=Alkalitet 9.2 cm³O, 1nHCl/l

CO₃⁻ mg/l

T=Alkalitet 16.8 cm³O, 1nHCl/l

OH⁻ mg/l

SO₄⁻⁻

19.8							
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mg/l

Vatn frá Hitaveitu, Gröf

Tekið þann: 12/11 19 49,

Hitastig: ° C

Vatnsmagn: l/sek ,

Kvóti: metr.

Sýrutala Ph: 9.58 SiO₂, Coloriom.: mg/l

Leiðni: 0.213 x 10⁻³ 1/Ohmcm25 °C,

Harka: Þ. Gr. 4.670 ohmcm.

Cl⁻ 21 mg/l

P=Alcalitet 4.8 cm³O, 1nHCl/l

HCO₃⁻ mg/l

S=Alkalitet 8.4 cm³O, 1nHCl/l

CO₃⁻ mg/l

T=Alkalitet 13.2 cm³O, 1nHCl/l

OH⁻ mg/l

SO₄⁻⁻

19.5							
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mg/l

Jarðboranir ríkisins.

Vatn frá Rauðará

Tekið þann: 1/11 1949., Hitastig: 86.5 °C
 Vatnsmagn: l/sek, Kvóti: metr.
 Sýrutala Ph: 9.51 SiO₂, Coloriom.: 118 mg/l
 Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: 0.75 Þ. Gr. 3.720 ohmcm.
 Cl⁻ 35.4 mg/l
 P-Alkalitet 6.8 cm³O, 1nHCl/l HCO₃⁻ mg/l
 S-Alkalitet 8.4 cm³O, 1nHCl/l CO₃⁻ mg/l
 T-Alkalitet 15.2 cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ [']	Fe	Cu	
21	0	vottur	mg/l

Vatn frá Pvottalaugar

Tekið þann: 1/11 1949., Hitastig: 83.0 °C
 Vatnsmagn: l/sek, Kvóti: metr.
 Sýrutala Ph: 9.63 SiO₂, Coloriom.: 108 mg/l
 Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: 0.56 Þ. Gr. 3.570 ohmcm.
 Cl⁻ 35.4 mg/l
 P-Alkalitet 8.9 cm³O, 1nHCl/l HCO₃⁻ mg/l
 S-Alkalitet 6.7 cm³O, 1nHCl/l CO₃⁻ mg/l
 T-Alkalitet 15.6 cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ [']	Fe	Cu	
19	0	vottur	mg/l

Jarðboranir ríkisins.

Vatn frá Mosfellsdal. Borhola I. Reykjahlíð

Tekið þann: / 1946., Hitastig: 87 °C

Vatnsmagn: l/sek, Kvóti: ca 43 metr.

Sýrutala Ph: 9.28 SiO₂, Coloriom.: (grav) 82 mg/l

Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: Þ. Gr.

Cl⁻ 16.2 mg/l

P-Alkalitet cm³O, 1nHCl/l HCO₃⁻ mg/l

S-Alkalitet cm³O, 1nHCl/l CO₃⁻ 42 mg/l

T-Alkalitet cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ [']	Ca ⁺⁺	Mg ⁺⁺	Fe	H ₂ S				
29.2	3.5	2.1	+	5.2				mg/l

Þurefni = 198 mg/l

Vatn frá Mosfellsdal. Borhola II Reykjahlíð.

Tekið þann: / 1946., Hitastig: 87 °C

Vatnsmagn: l/sek, Kvóti: 43 metr.

Sýrutala Ph: 9.32 SiO₂, Coloriom.: (grav) 83 mg/l

Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: Þ. Gr.

Cl⁻ 18.2 mg/l

P-Alkalitet cm³O, 1nHCl/l HCO₃⁻ mg/l

S-Alkalitet cm³O, 1nHCl/l CO₃⁻ 48 mg/l

T-Alkalitet cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ [']	Ca ⁺⁺	Mg ⁺⁺	Fe						
28	3.4	2.0	+						mg/l

Þurefni = 198 mg/l

Jarðboranir ríkisins.

Vatn frá: Mosfellsdal

Tekið þann / 1947 að Laugabóli úr hana úr eldhúsi

Kv. mtr. Gas: H₂S lykt

Hitastig: °C , Vatnsmagn: l/sek , Sírutala Ph:

Efnagreining.

Þurefni: 240 mg/l (105 °C) , Spektr.: -

Leiðni 0.240 x 10⁻³ / Ohmcm(25 °C) 4,170 Leiðnisstuðull 1.0 Gr/gr Ohmcm

Sírutala Ph: 8.3 , T-Harka: 1.23 Þ. Gr.

SiO₂ coloriom.: 88 mg/l P-Harka: Þ. Gr.

SiO₂ gravimetr.: 89 mg/l , S-Harka: Þ. Gr.

Jón: mg/l , mvk/l , leiðni Frjás CO₂: mg/l

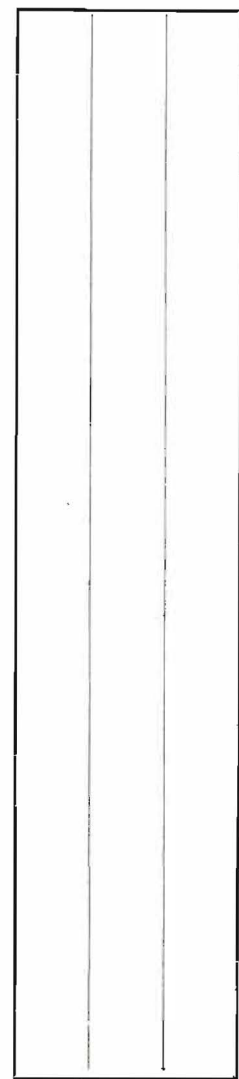
Na ⁺	47.5	2.07	105
K ⁺	-		
Ca ⁺⁺	4.5	0.22	13
Mg ⁺⁺	2.5	0.20	10
Fe ⁺⁺⁺	3.0	0.16	11
Al ⁺⁺⁺	-		
	Summa:	<u>2.65</u>	
Cl ⁻	18.1	0.51	39
F ⁻	0.9	0.05	4
CO ₃ ⁻⁻⁻	20.0	0.67	56
HCO ₃ ⁻	-		
S ⁻⁻⁻	4.1	0.26	21
SO ₄ ⁻⁻⁻	25.4	0.53	43
NO ₃ ⁻	-		
Summa:	126.0	2.02	302

Bundin CO₂: mg/l

T-Alkalitet 12.1 cm³O, lnHCl/l

P-Alkalitet 8.1 cm³O, lnHCl/l

S-Alkalitet 4.0 cm³O, lnHCl/l



Vottur af:

NH ₄ ⁺						

mg/m³

Jarðboranir ríkisins.

Vatn frá Borholu I Mosfellsdal (Ný hola)

Tekið þann: 29/4 1948., Hitastig: 87 °C

Vatnsmagn: l/sek, Kvóti: 43 metr.

Sýrutala Ph: 9.2 SiO₂, Coloriom.: 84.6 (grav) 87.5 mg/l

Leiðni: $\times 10^{-3}$ 1/Ohmcm25 °C, Harka: 0.45 P. Gr.

Cl⁻ 16 mg/l

P-Alkalitet 16 cm³O, 1nHCl/l HCO₃⁻ mg/l

S-Alkalitet 8 cm³O, 1nHCl/l CO₃⁻ 48 mg/l

T-Alkalitet 8 cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ [']	Ca ⁺⁺	Mg ⁺⁺	Na	K	F ⁻	S ⁻⁻	
20.3	2.8	0.53	56.11	+	0.8	1.5	mg/l

Fe undir 0.1

Vatn frá Borholu II Mosfellsdal (Ný hola)

Tekið þann: 29 / 4 1948., Hitastig: 87 °C

Vatnsmagn: l/sek, Kvóti: ca 43 metr.

Sýrutala Ph: 9.3 SiO₂, Coloriom.: 89.4 (grav) 91 mg/l

Leiðni: $\times 10^{-3}$ 1/Ohmcm25 °C, Harka: 0.48 P. Gr.

Cl⁻ 17.75 mg/l

P-Alkalitet 15 cm³O, 1nHCl/l HCO₃⁻ mg/l

S-Alkalitet 8 cm³O, 1nHCl/l CO₃⁻ 45 mg/l

T-Alkalitet 7 cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ [']	Ca ⁺⁺	Mg ⁺⁺	Na	K	F ⁻	S ⁻⁻	
22.20	3.5	0.41	52.4	+	1.0	2.1	mg/l

Fe undir 0.1

Jarðboranir ríkisins.

Vatn frá Borhola Norðurreykur. (gömul hola)

Tekið þann: 29/4 1948., Hitastig: 87 °C

Vatnsmagn: l/sek, Kvóti: ca 45 metr.

Sýrutala Ph: 8.25 SiO₂, Coloriom.: 89.4 (grav) 91 mg/l

Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: 0.56 Þ. Gr.

Cl⁻ 16 mg/l

P=Alkalitet 15 cm³O, 1nHCl/l HCO₃⁻ mg/l

S=Alkalitet 8 cm³O, 1nHCl/l CO₃⁻ 42 mg/l

T=Alkalitet 7 cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ ⁻	Na	K	Ca ⁺⁺	Mg ⁺⁺	S ⁻	F ⁻	
22.3	47.5	+	4	0.6	2.9	1	mg/l

Þurefni 236 mg/l

Vatn frá Mosfellsdal Borhola II Norðurreykjum.

Tekið þann: / 19., Hitastig: 87 °C

Vatnsmagn: l/sek, Kvóti: ca 45 metr.

Sýrutala Ph: 9.3 SiO₂, Coloriom.: (grav) 82 mg/l

Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: Þ. Gr.

Cl⁻ 18.2 mg/l

P=Alkalitet cm³O, 1nHCl/l HCO₃⁻ mg/l

S=Alkalitet cm³O, 1nHCl/l CO₃⁻ 66.0 mg/l

T=Alkalitet cm³O, 1nHCl/l OH⁻ mg/l

SO ₄ ⁻	Ca ⁺⁺	Mg ⁺⁺	Fe				
32	4	1.9	+				mg/l

Þurefni 200 mg/l

Jarðboranir ríkisins.

Vatn frá Norður-Reykjum (H_2S lykt)

Tekið þann: 1/11 1949, Hitastig: 83 °C

Vatnsmagn: l/sek, Kvóti: metr.

Sýrutala Ph: 9.51 SiO_2 , Coloriom.: 85 mg/l

Leiðni: $\times 10^{-3} \Omega^{-1}cm$ 25 °C, Harka: 0.68 P. Gr. 4.230 ohmcm.

Cl^- 17.5 mg/l

P-Alkalitet 4.9 $cm^3O, 1nHCl/l$ HCO_3^- mg/l

S-Alkalitet 9.4 $cm^3O, 1nHCl/l$ CO_3^{--} mg/l

T-Alkalitet 14.3 $cm^3O, 1nHCl/l$ OH^- mg/l

SO_4'	Fe	Cu	
28.5	0	vottur	mg/l

Vatn frá Suður-Reykjum

Tekið þann: 1/11 1949, Hitastig: 86.5 °C

Vatnsmagn: l/sek, Kvóti: metr.

Sýrutala Ph: 9.51 SiO_2 , Coloriom.: 61 mg/l

Leiðni: $\times 10^{-3} \Omega^{-1}cm$ 25 °C, Harka: 0.8 P. Gr. 4.870 ohmcm.

Cl^- 19.5 mg/l

P-Alkalitet 5.80 $cm^3O, 1nHCl/l$ HCO_3^- mg/l

S-Alkalitet 8.20 $cm^3O, 1nHCl/l$ CO_3^{--} mg/l

T-Alkalitet 14.00 $cm^3O, 1nHCl/l$ OH^- mg/l

SO_4'	Fe	Cu	
21	0	vottur	mg/l

Jarðboranir ríkisins.

Vatn frá: Borholu Rauðará

Tekið þann / 19 48

Kv. 10 mtr. Gas:

Hitastig: 93 °C , Vatnsmagn: l/sek , Sýrutala Ph:

Efnagreining.

Þurefni: 315 mg/l (105 °C) , Spektr.:

Leiðni 0.271×10^{-3} / Ohmcm(25 °C) 3,700 Leiðnisstuðull 0.834 Gr/gr Ohmcm

Sýrutala Ph: 9.4 , T-Harka: 0.5 Þ. Gr.

SiO₂ coloriom.: 109.0 mg/l P-Harka: Þ. Gr.

SiO₂ gravimetr.: 111.5 mg/l , S-Harka: Þ. Gr.

Jón: mg/l , mvk/l , leiðni Frjás CO₂: mg/l

Na ⁺	66.5	2.90	146
K ⁺	+		
Ca ⁺⁺	3.2	0.16	10
Mg ⁺⁺	0.4	0.04	2
Fe ⁺⁺⁺	<u>ndir 0.1</u>		
Al ⁺⁺⁺			
	Summa:	<u>3.10</u>	
Cl ⁻	31.5	0.90	67
F ⁻	1.0	0.01	
CO ₃ ⁻⁻⁻	30.0	1.00	83
HCO ₃ ⁻			
S ⁻⁻⁻	1.7	0.10	
SO ₄ ⁻⁻⁻	21.2	0.44	36
NO ₃ ⁻			
OH ⁻	0.7	0.04	8
Summa:	<u>86.1</u>	<u>2.49</u>	<u>332</u>

Bundin CO₂: mg/l

T-Alkalitet 16 cm³O, lnHCl/l

P-Alkalitet 11 cm³O, lnHCl/l

S-Alkalitet 5 cm³O, lnHCl/l

Vottur af:

mg/m³

Jarðboranir ríkisins.

Vatn frá Rauðará

Tekið þann: 5/11 19 49, Hitastig: ° C
Vatnsmagn: l/sek, Kvóti: metr.
Sýrutala Ph: 9.51 SiO₂, Coloriom.: mg/l
Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: P. Gr. 3.680 ohmcm.
Cl⁻ 35 mg/l
P-Alkalitet 6.4 cm³O,1nHCl/l HCO₃⁻ mg/l
S-Alkalitet 8.5 cm³O,1nHCl/l CO₃⁻ mg/l
T-Alkalitet 14.9 cm³O,1nHCl/l OH⁻ mg/l

SO₄[']
19.8 mg/l

Vatn frá Rauðará

Tekið þann: 7/11 19 49, Hitastig: ° C
Vatnsmagn: l/sek, Kvóti: metr.
Sýrutala Ph: 9.64 SiO₂, Coloriom.: mg/l
Leiðni: x 10⁻³ 1/Ohmcm25 °C, Harka: P. Gr. 3.650 ohmcm.
Cl⁻ 28 mg/l
P-Alkalitet 7.0 cm³O,1nHCl/l HCO₃⁻ mg/l
S-Alkalitet 8.4 cm³O,1nHCl/l CO₃⁻ mg/l
T-Alkalitet 15.4 cm³O,1nHCl/l OH⁻ mg/l

SO₄[']
20.5 mg/l

Jarðboranir ríkisins.

Vatn frá: Krísuvík

Tekið þann 19 19 47 úr borholu nr. 2 í Hveradölum

Kv. _____ mtr. Gas: ca. 7 t/h gufa

Hitastig: 100 °C , Vatnsmagn: lítið l/sek , Sýrutala Ph: _____

Efnagreining.

Þurefni: 783 mg/l (105 °C) , Spektr.: _____

Leiðni 0.758 x 10⁻³ /Ohmcm(25 °C) 1,320 Leiðnisstuðull 0.97 Gr/gr Ohmcm

Sýrutala Ph: 7.4 , T-Harka: 19 Þ. Gr.

SiO₂ coloriom.: _____ mg/l P-Harka: _____ Þ. Gr.

SiO₂ gravimetr.: 198 mg/l , S-Harka: _____ Þ. Gr.

Jón: mg/l , mvk/l , leiðni Frjás CO₂: _____ mg/l

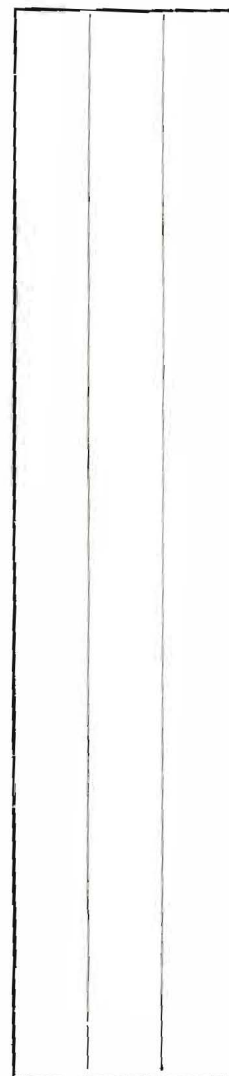
Jón	mg/l	mvk/l	leiðni
Na ⁺	37.0	1.61	81
K ⁺	-		
Ca ⁺⁺	130.0	6.45	387
Mg ⁺⁺	4.0	0.33	18
Fe ⁺⁺⁺	3.5	0.19	13
Al ⁺⁺⁺	-		
	Summa:	<u>8.58</u>	
Cl ⁻	14.2	0.40	31
F ⁻	-		
CO ₃ ⁻⁻⁻	-		
HCO ₃ ⁻	36	0.59	28
S ⁻⁻⁻	-		
SO ₄ ⁻⁻⁻	360.0	7.52	607
NO ₃ ⁻	-		
Summa:	<u>584.7</u>	<u>8.51</u>	<u>1165</u>

Bundin CO₂: í gufu mg/l

T-Alkalitet 7 cm³O,lnHCl/l

P-Alkalitet _____ cm³O,lnHCl/l

S-Alkalitet _____ cm³O,lnHCl/l



Vottur af:

mg/m³

Jarðboranir ríkisins.

Vatn frá Alfnes, laug (við sjó)

Tekið þann: 11/9 1949,

Hitastig: 24 °C

Vatnsmagn: 1-2 l/sek ,

Kvóti: 2 metr.

Sýrutala Ph: 9.1 CaSiO_2 , Coloriom.: 107 mg/l

Leiðni: 0.255 $\times 10^{-3}$ 1/Ohmcm25 °C,

Harka: 1.2 D. Gr. 3.920 ohm cm.

Cl \div 42.5 mg/l

P=Alcalitet 9.2 $\text{cm}^3\text{O}, 1\text{nHCl}/\text{l}$

HCO $_3^-$ mg/l

S=Alkalitet 12.8 $\text{cm}^3\text{O}, 1\text{nHCl}/\text{l}$

CO $_3^{--}$ mg/l L.A. 28

T=Alkalitet 22.0 $\text{cm}^3\text{O}, 1\text{nHCl}/\text{l}$

OH \div mg/l

SO $_4^{--}$
18 mg/l

Vatn frá Alfnes, brunnur (kalt vatn) dýpi 2 metr.

Tekið þann: 11/9 1949,

Hitastig: °C (við sjó)

Vatnsmagn: l/sek ,

Kvóti: 20 metr.

Sýrutala Ph: 6.7 SiO_2 , Coloriom.: 17 mg/l

Leiðni: 0.363 $\times 10^{-3}$ 1/Ohmcm25 °C,

Harka: 5.0 D. Gr. 2.760 ohm cm.

Cl \div 89 mg/l

P=Alcalitet 0 $\text{cm}^3\text{O}, 1\text{nHCl}/\text{l}$

HCO $_3^-$ mg/l

S=Alkalitet 8.8 $\text{cm}^3\text{O}, 1\text{nHCl}/\text{l}$

CO $_3^{--}$ mg/l L.A. 26

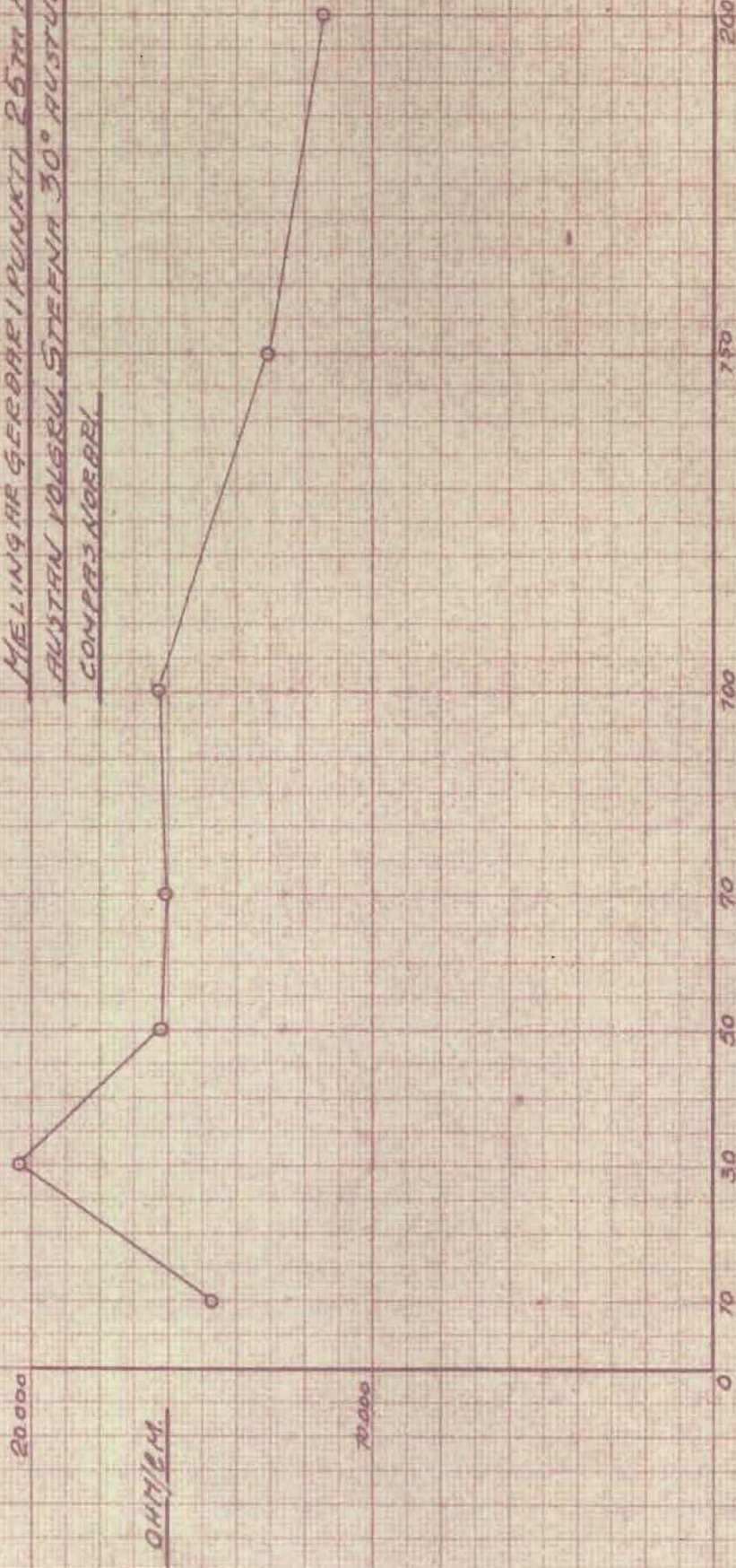
T=Alkalitet 8.8 $\text{cm}^3\text{O}, 1\text{nHCl}/\text{l}$

OH \div mg/l

SO $_4^{--}$
12 mg/l

BUKASTADIE I MOSFELLSVEIT

MELINGAR GERÐAR Í PUNKTI 25M FYRIR
AUÐAN YOLGRU STEFNA 30° AUSTUR AF
COMPAS NORÐR.



KORPULFSSTADIE 12-6-1947

MÆLINGENS SERIENE HV FØLGER

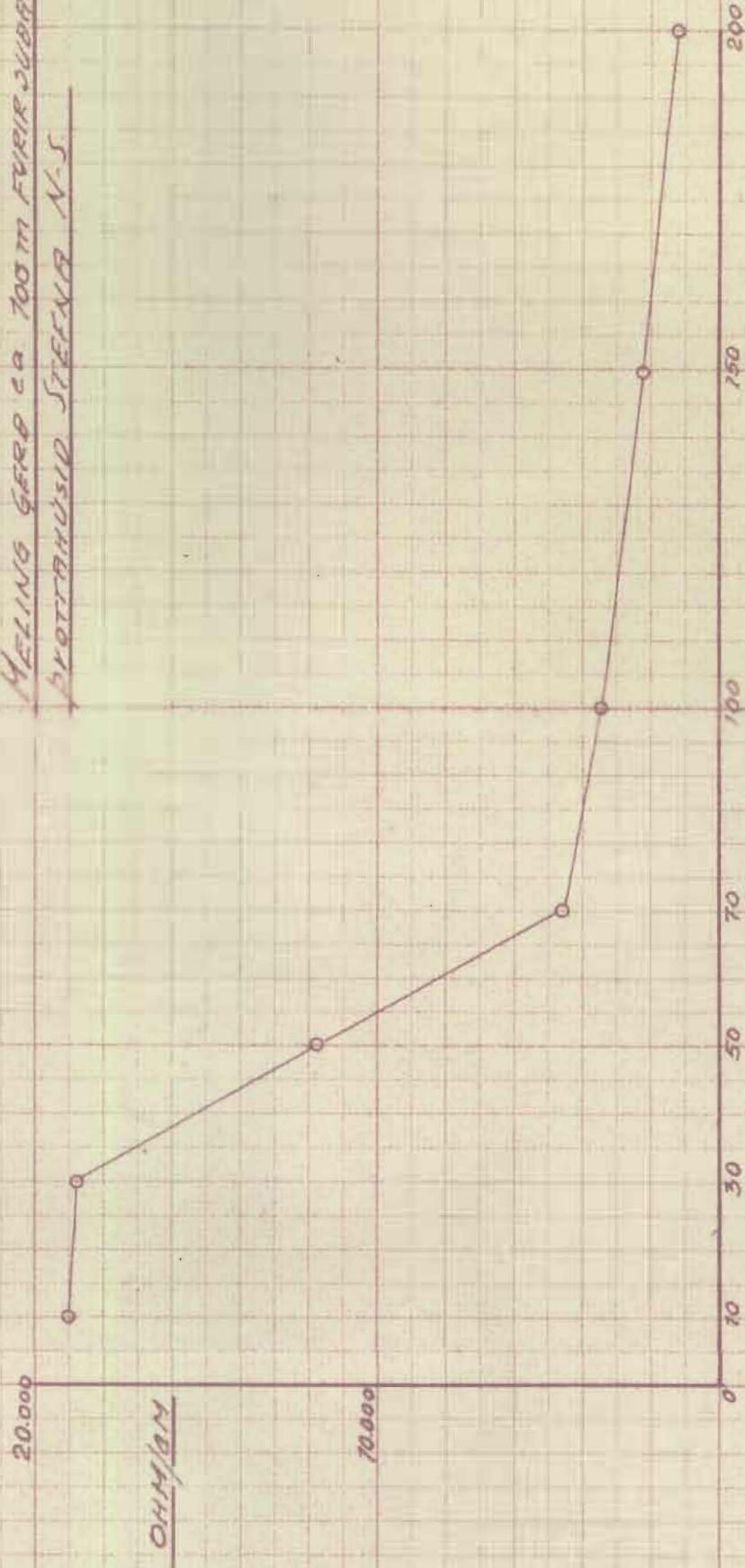


OMKØB

ÅRSTREK PÅLØB

LAUGARNAK I REYKJAVIK

MELING GJERD ca 100m FURIR SUBURSTAN
PROTANUSID STEENB N-5



30000

20000

10000

0

10

30

50

70

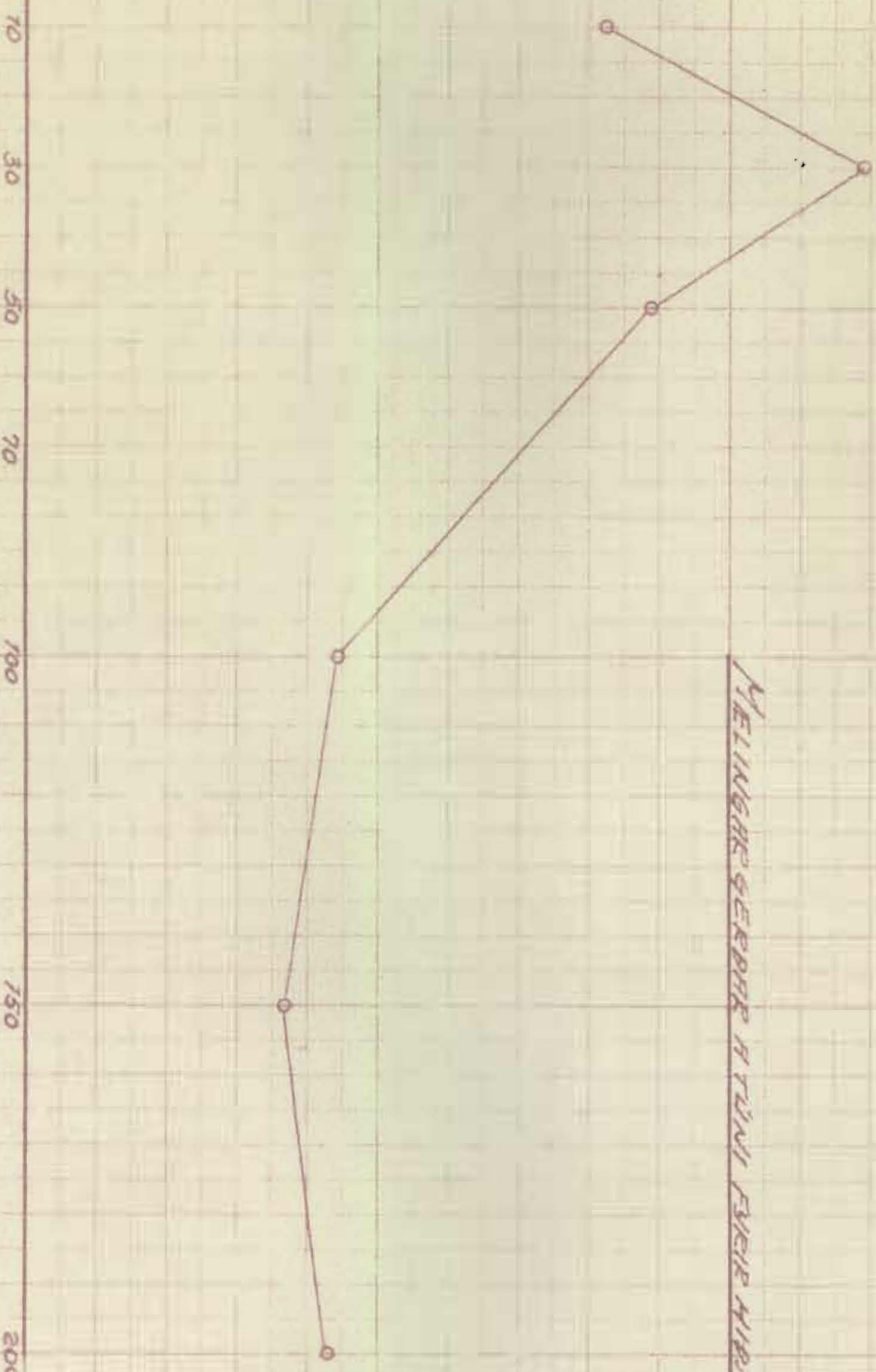
100

150

200

FLUGHÖLLURINN I REYKJAVÍK

MEIINGAR GEBUR H TUNN FJELD HIRU CALLREINN



J-R Reykjav. Flugvöðkur

Fm. 1834 Tm. 6

J-V
 Vífilssladdir
 Fvr. hand. Tnr. 1
 15-10-52





EDLISVIÐNÁM - OHM METRAR

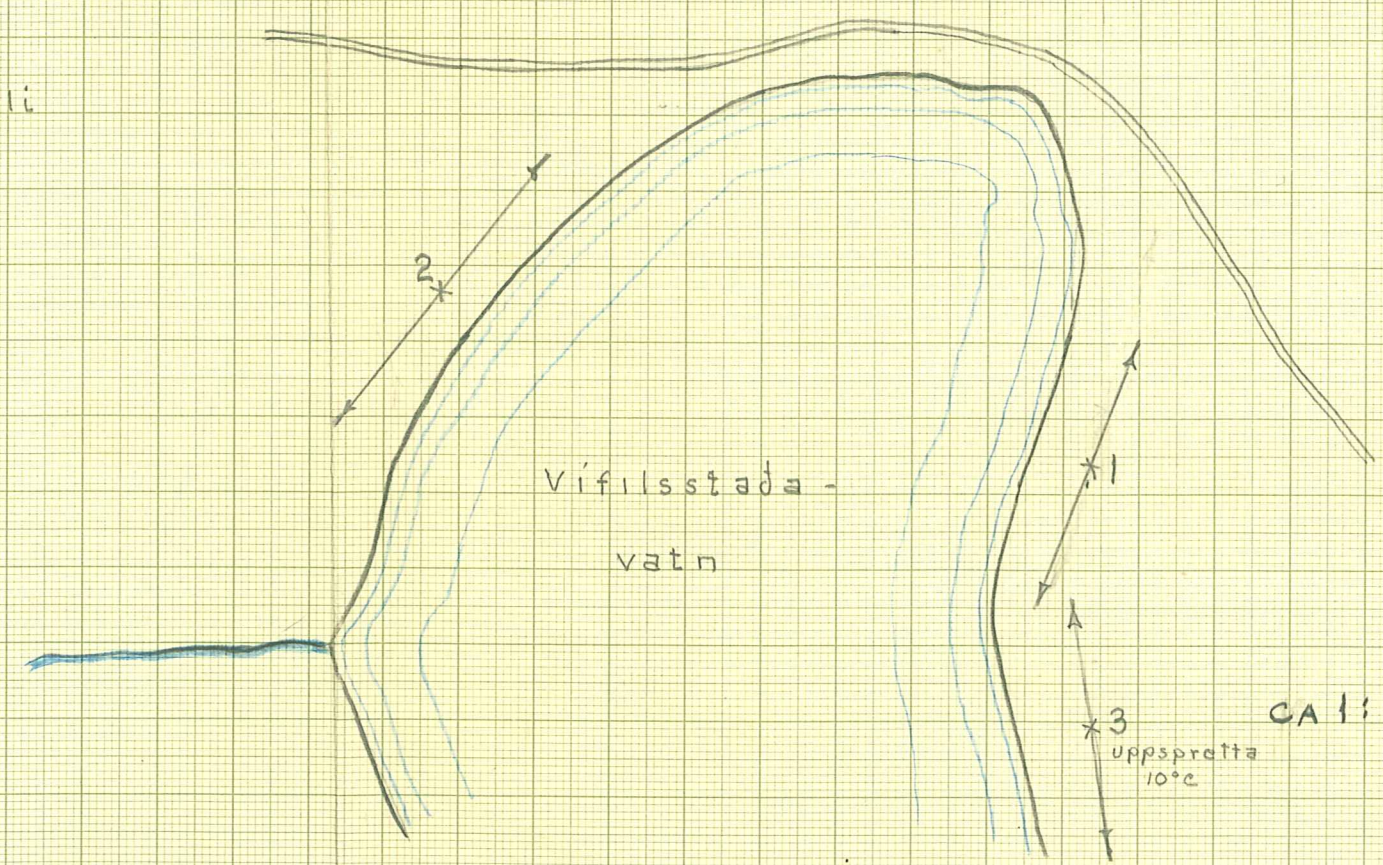
VÍFILSSTAÐIR

AFSTAÐA PÓLA - METRAR

0
50
100
150
200

500 1000 1500 2000

-  Prófíll 1
-  " 3
-  " 2
-  Heli



SIS 515 A 3
 1x1 mm
 ESSELTE
 4442

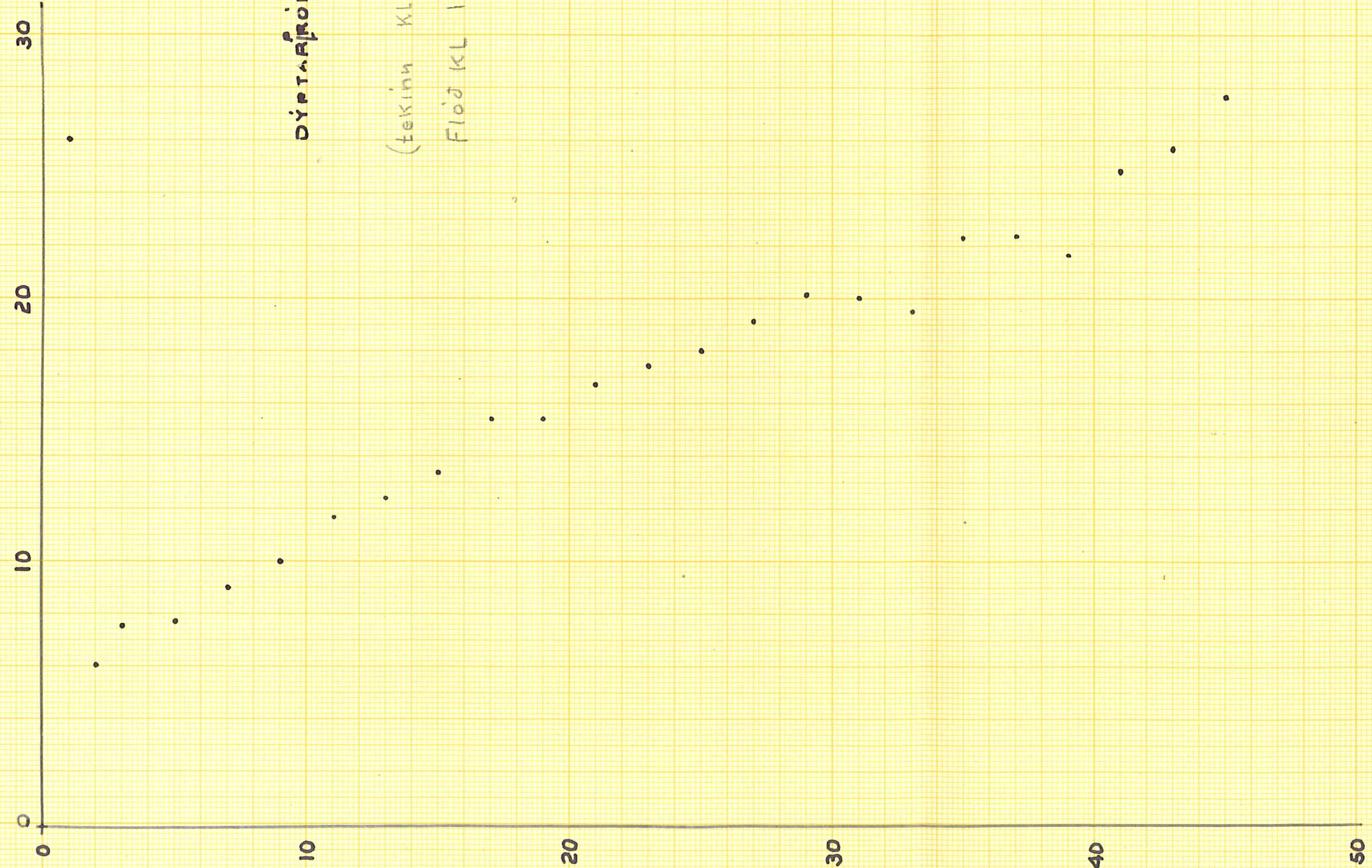
EDLISVIÐNÁM - ÖHM MÆTRAR

0 10 20 30

DÝPTARÞRÖFILL Í VATNAÖRÐUM

(TAKIÐ KL 11³⁰ - 14⁰⁰
FLÓÐ KL 11²⁰ (SMÁSTREYMT))

PÓLAFJARRLÉGD · MÆTRAR



J.-R. Reykjavík
Tn. 9. handrit

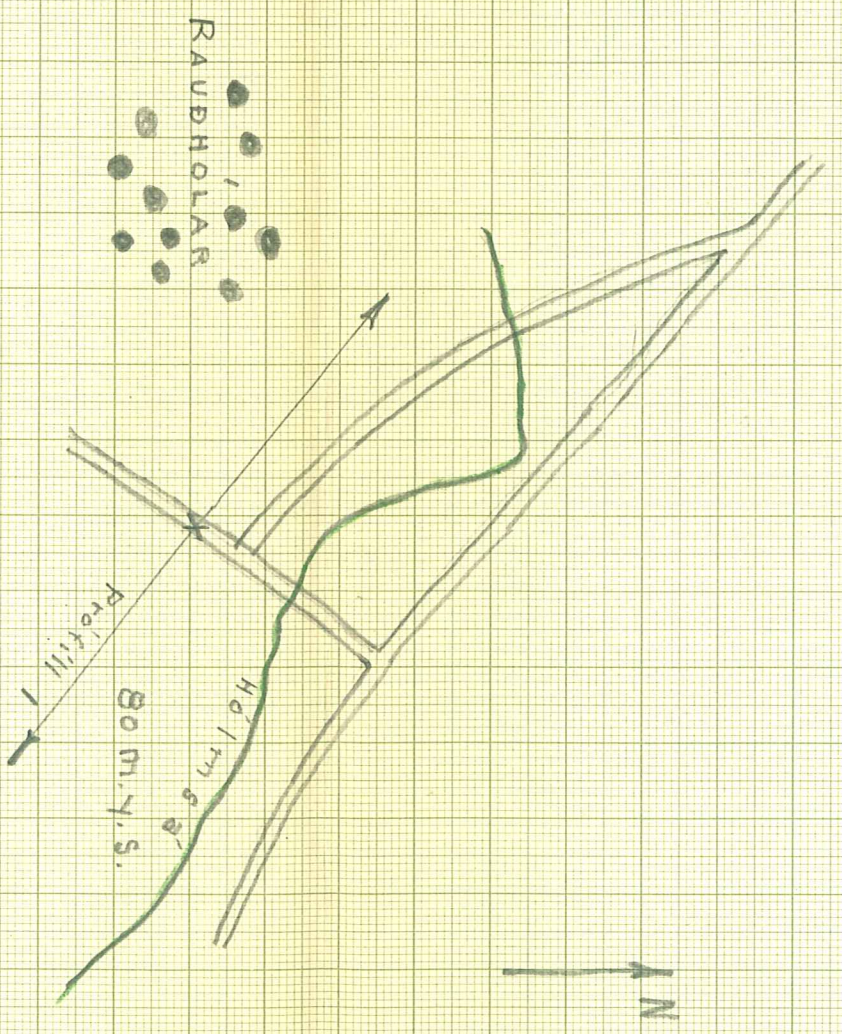
EDLISVIÐNÁM - OHM METRAR

PÓLFJARLÆGD - METRAR

300

200

100



RAUDHÓLAR

Hólm & S.
Bom. y. S.
Raudhólar

M CA 1:10000

RAUDHÓLAR - VIÐNÁMSMÆLINGAR

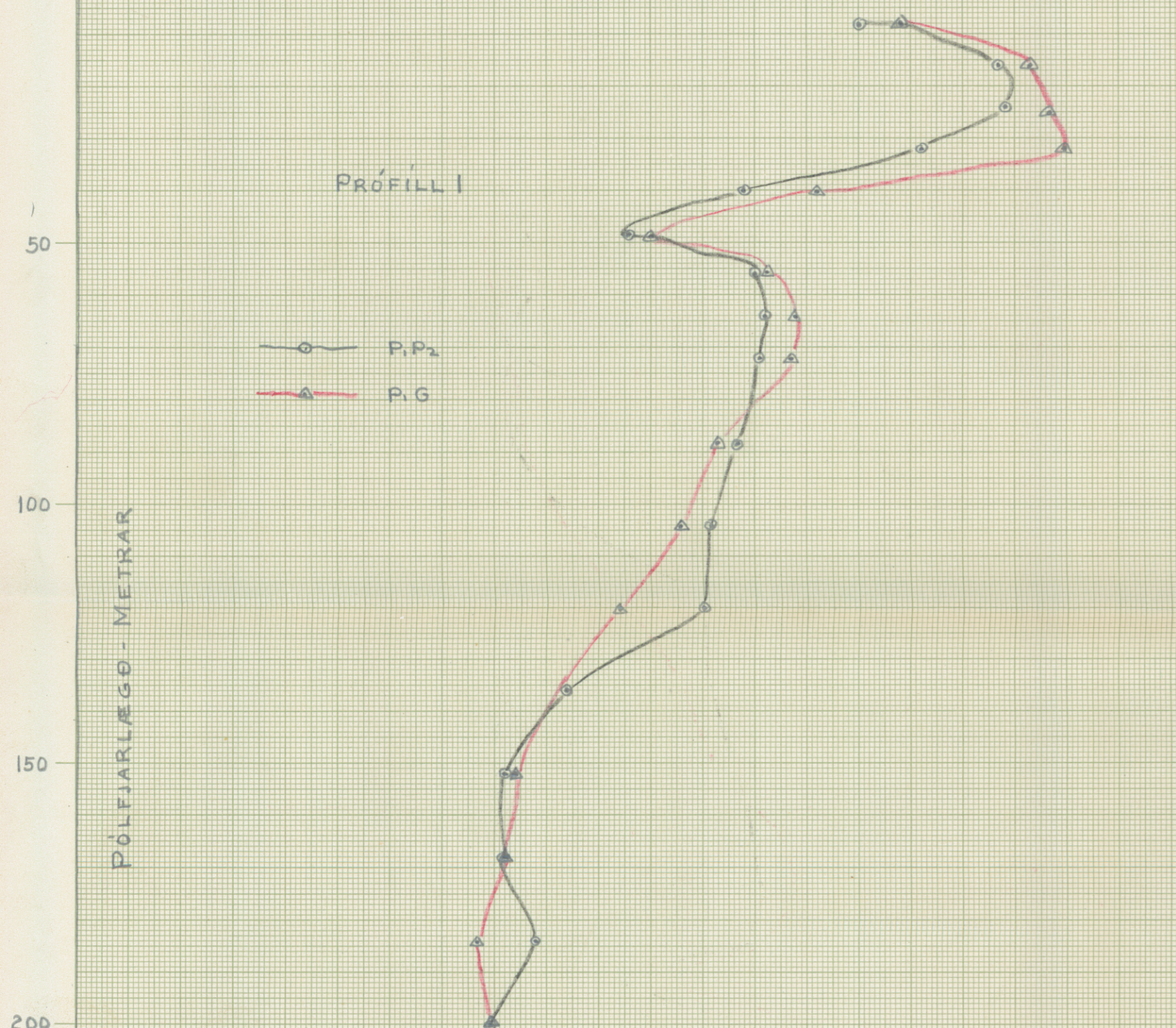
13-5-52- PT
J-R. Raudhólar
Tmt
handrit

EDLISVIÐNÁM - ÖHM METRAR
0 50 100 150 200

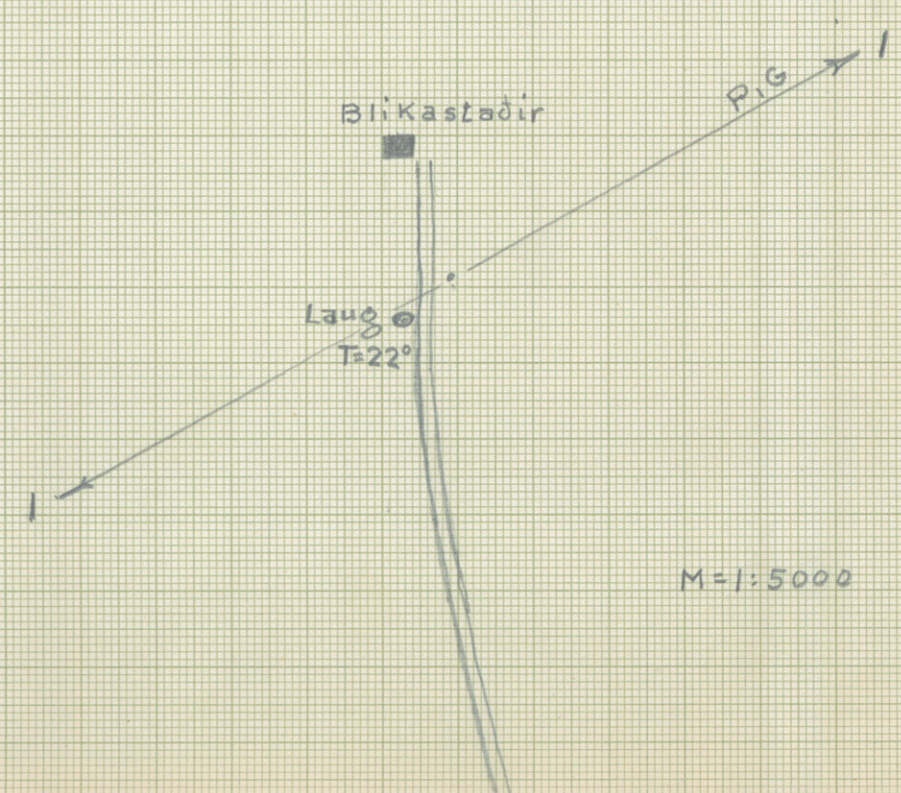
PRÓFILL I

○ P.P.
▲ P.G

PÓLFJARLÆGGJÓ - METRAR
0
50
100
150
200



↑ N_L



BLIKASTAÐIR - DÝPTARPRÓFILL

10-5-52

Blikast. - Jarðb. Tmr. d. hómán

HITASTIG - C²

30

20

10

5

0

20

40

60

80

100

120

140

160

DYPI - METRAR

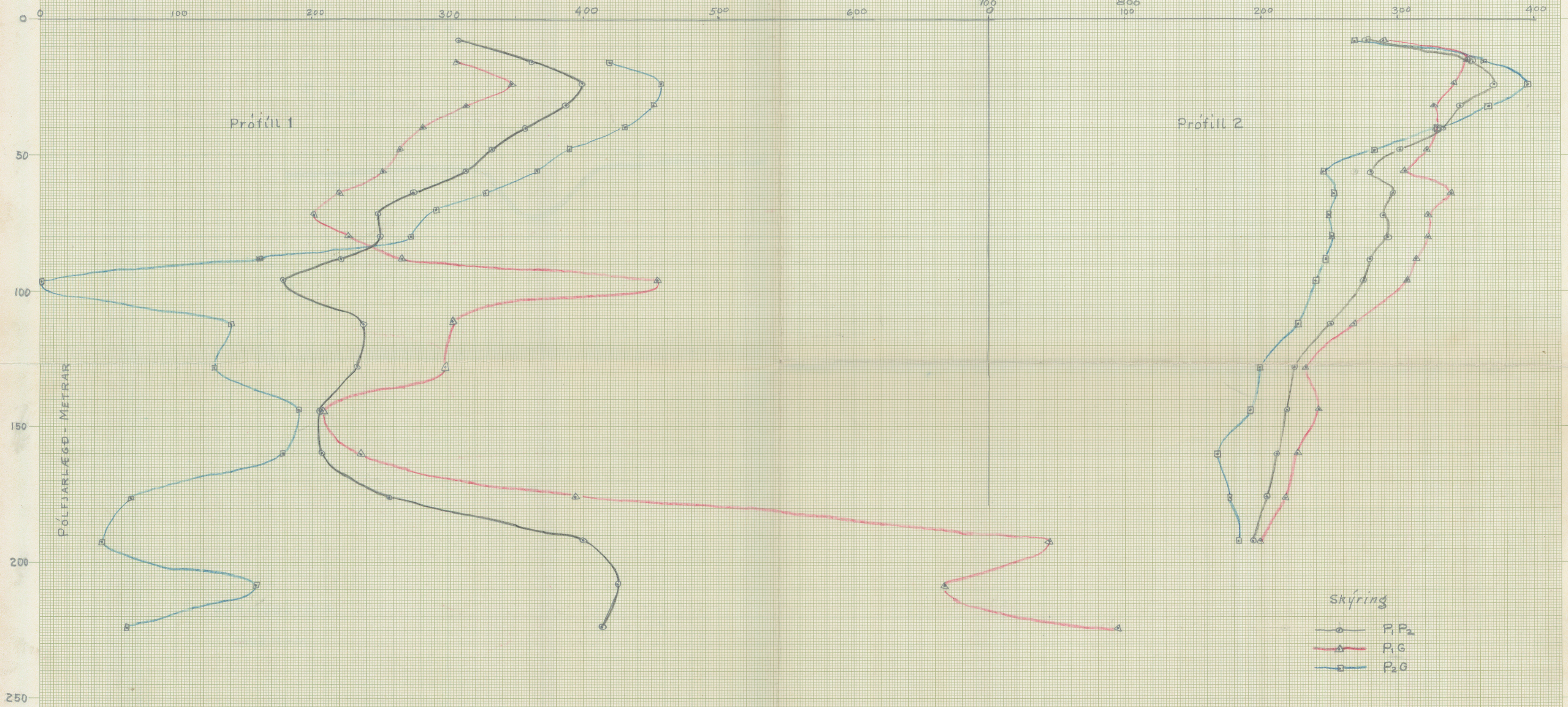
Arbeidsnotiser
Blåmann
i VOSPELLSSVEIT

HITASTIG OG HULDYPI

0-30 METRAR - MAX. MED *Penning*
30-147 METRAR - " " *MAXIMUM*

15-11-1949

EDLISVIÐNÁM - OHM METRAR



Profill 1

Profill 2

PÓLFJANLÆGGD - METRAR

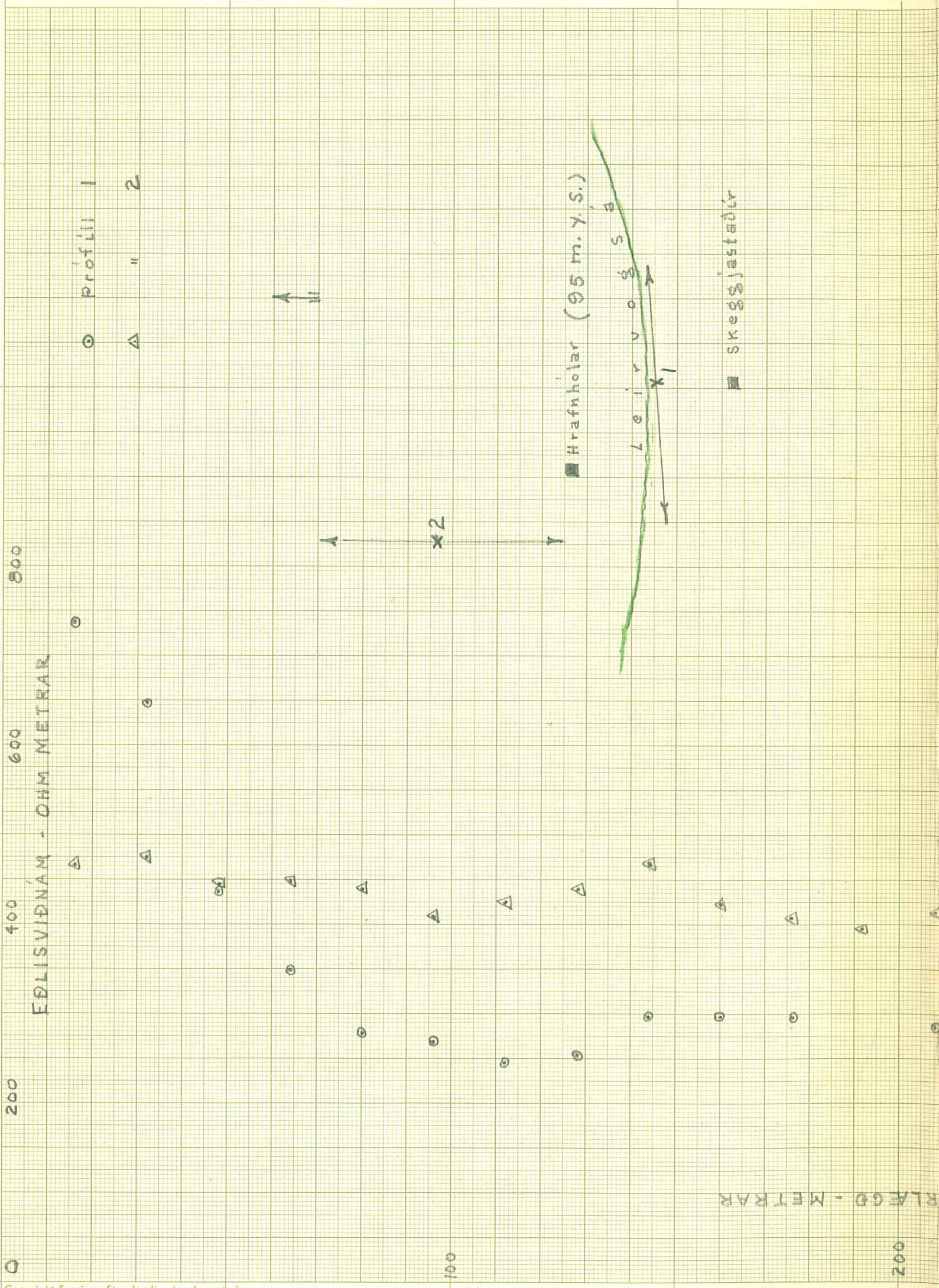
Skýring

- P₁P₂
- △— P₁G
- P₂G

ÚLFARSA- DÝPTARPRÓFÍLAR

J-U Alfarsa
 Fnr. (handrit)
 Tm. 1.
 10-5-52 P.T.

Úlfarsa-faröl. Tm. 1 handrit

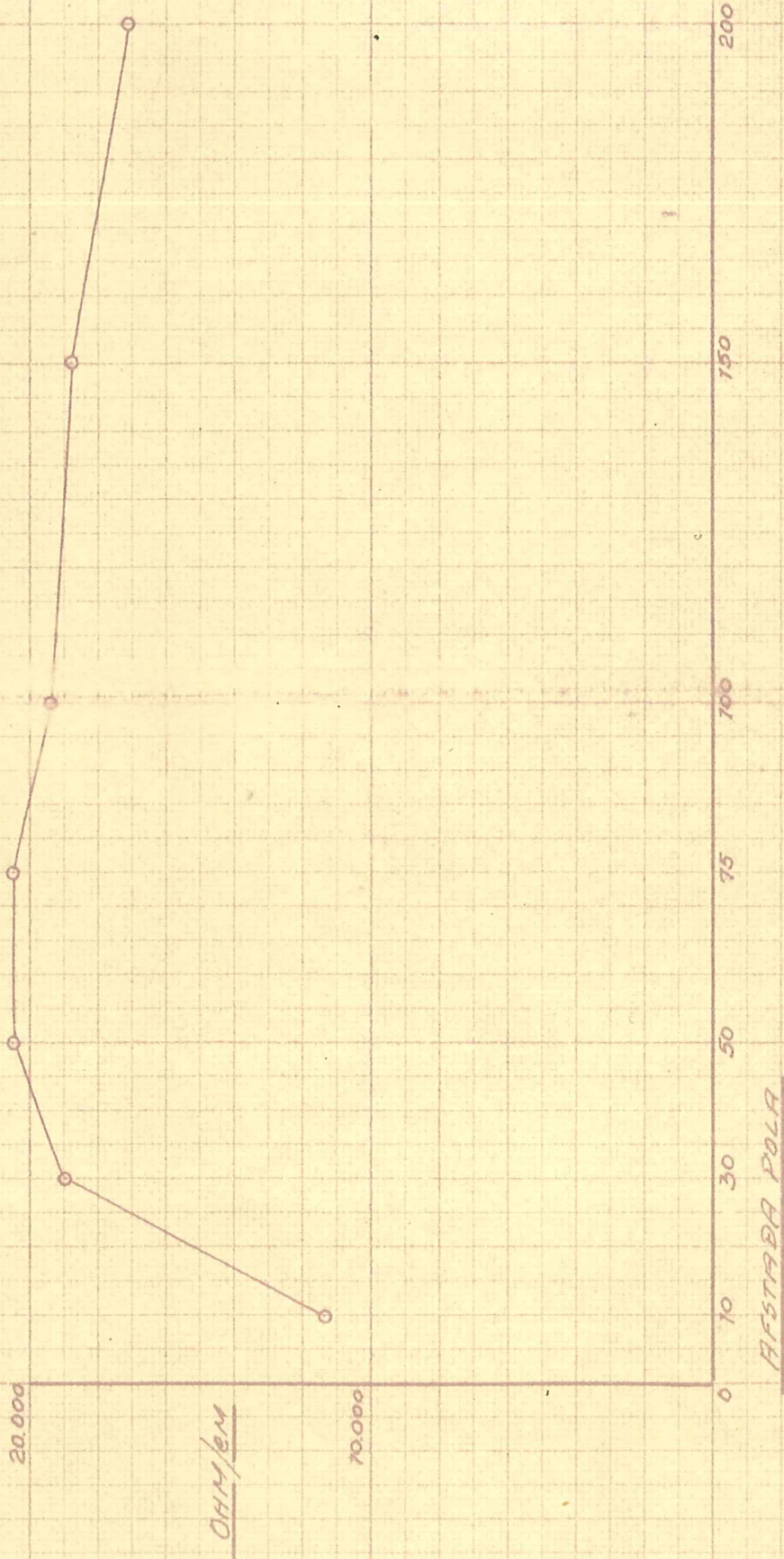


VIÐNÁMSMÆLINGAR
SKEGGJASTADIR & HRAFNHÓLAR

ndr.

ULFARSA I MOSFELLSSVEIT

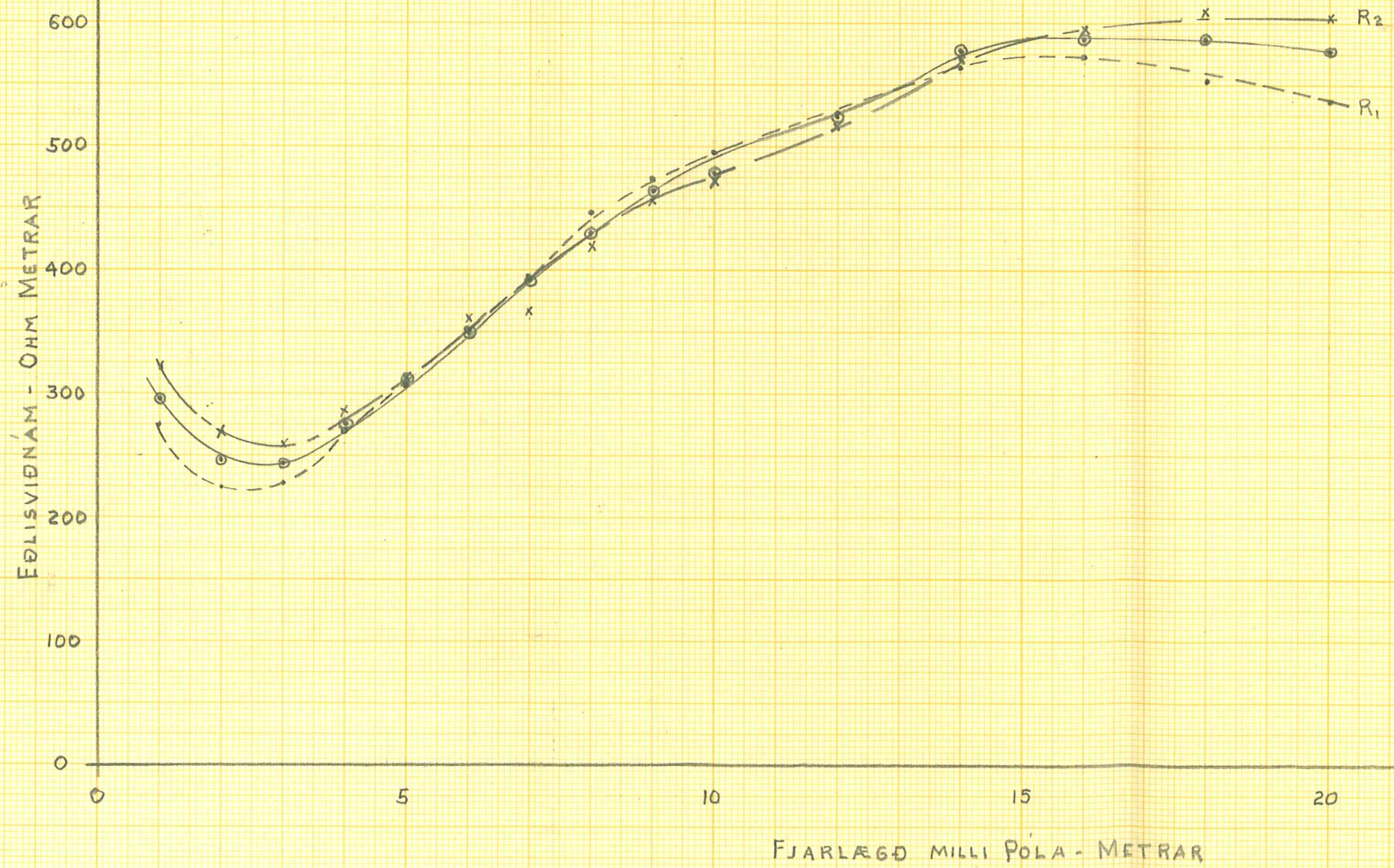
11-4-1947



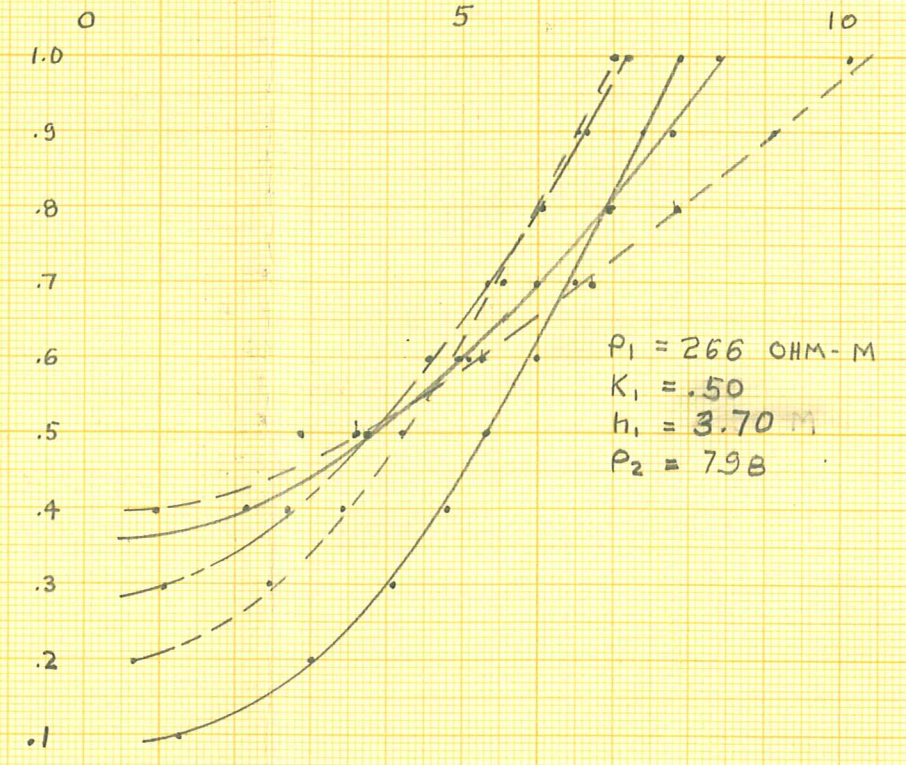
Torr. 2. Jún. 1783

Ulfarsa í Mosfellssveit

a	I	V _p	V ₁	V ₂	R	R ₁	R ₂
1	19.2	912	421	491	297	275	321
2	20.0	394	178	215	247	224	270
3	19.6	255	119	135	245	228	260
4	20.5	228	111	117	277	272	287
5	23.7	237	118	118	313	312	312
6	22.7	211	106	109	350	352	361
7	18.0	160	81	77	392	395	366
8	23.7	203	104	99	432	441	420
9	24.3	201	102	98	465	474	456
10	31.4	241	124	118	481	496	472
12	28.6	199	100	98	525	526	516
14	32.7	213	105	106	578	564	570
16	27.0	158	77	80	587	573	595
18	20.0	104	49	54	587	554	610
20	33.2	153	71	80	579	537	605



R₁: S P, 8
 R₂: N 8 P₂

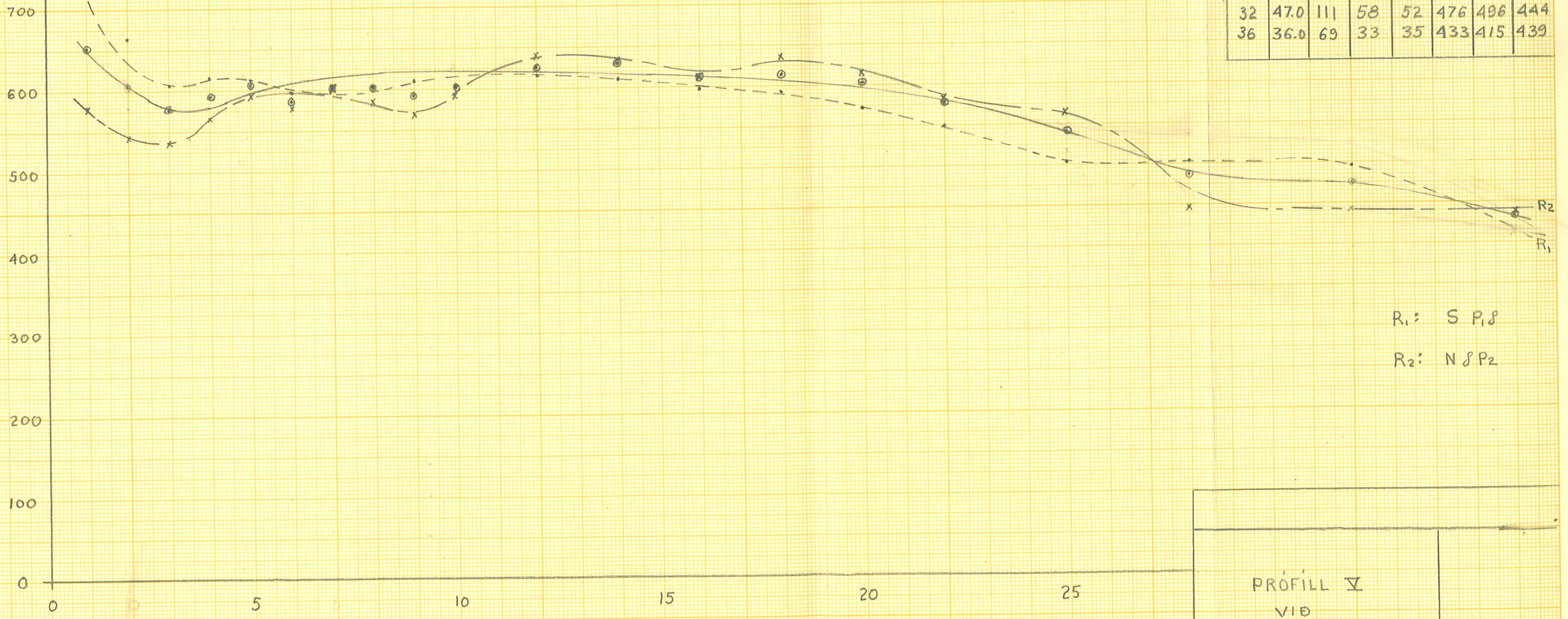


P₁ = 266 OHM-M
 K₁ = .50
 h₁ = 3.70
 P₂ = 798

PROFILL IV
 VIÐ
 KISTUFOSS

Kistufoss-jardb. Tmr. 5 Romant

EÐLISVIÐNÁM - OHM METRAR



$P_1 = 606 \text{ OHM-M}$

$K = .50$

$h_1 = 28 \text{ M}$

$P_2 = 202 \text{ OHM-M}$

a	I	V _p	V ₁	V ₂	R	R ₁	R ₂
1	3.88	403	222	179	653	718	580
2	16.7	805	442	362	605	664	545
3	18.0	549	290	257	576	607	538
4	16.0	378	196	180	593	616	565
5	15.7	303	153	149	607	612	595
6	19.4	302	153	149	587	594	578
7	24.0	330	165	165	603	604	604
8	33.3	398	201	194	602	605	585
9	24.4	256	132	123	593	611	570
10	28.2	270	136	133	602	605	591
12	32.8	273	134	139	627	616	640
14	23.6	169	82	85	630	611	634
16	32.2	196	96	98	612	598	611
18	39.0	212	102	110	614	591	636
20	38.2	183	87	94	604	572	618
22	26.6	111	53	56	577	556	582
25	33.1	114	53	60	542	502	569
28	31.4	87	45	40	487	504	447
32	47.0	111	58	52	476	496	444
36	36.0	69	33	35	433	415	439

R₁: S P₁ P₂

R₂: N P₁ P₂

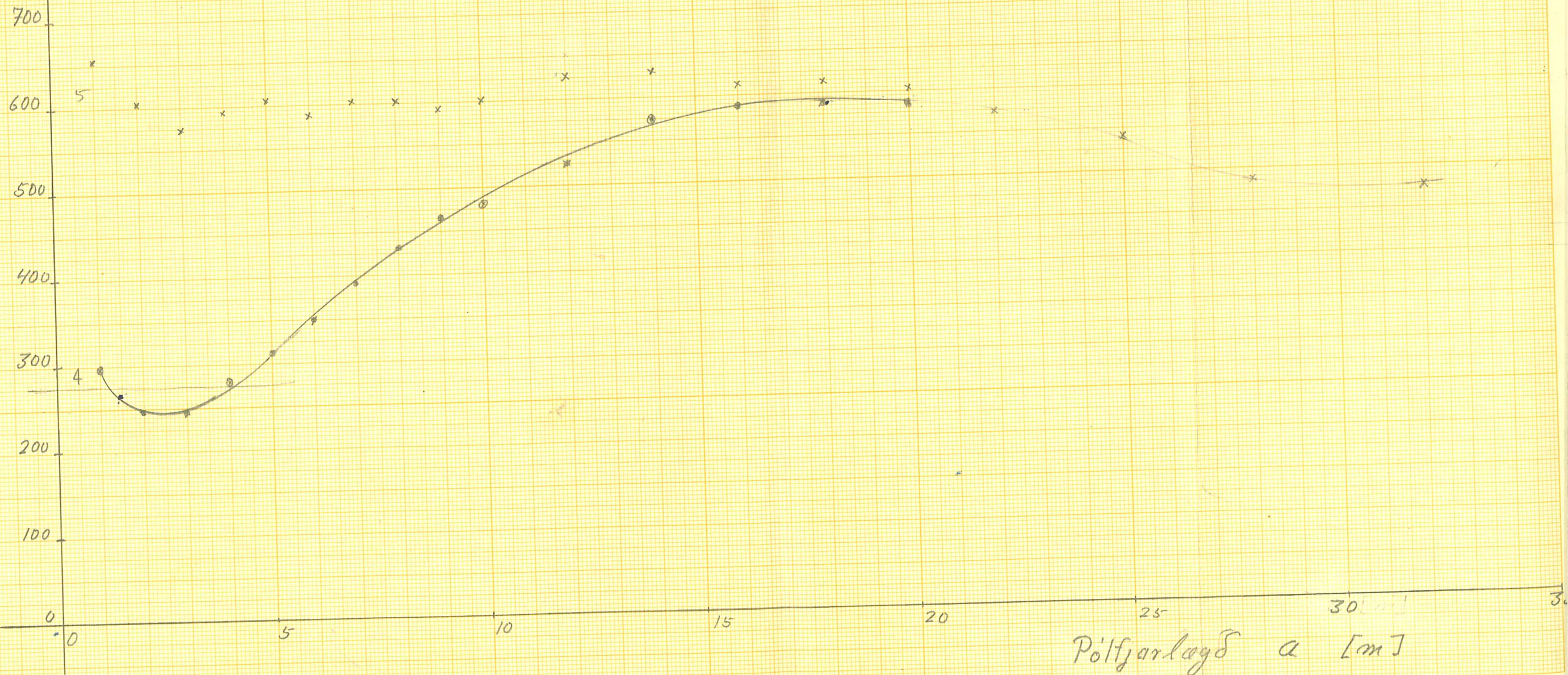
PRÓFILL V
VIÐ
KISTUFOSS

FJARLÆGD MILLI PÓLA - METRAR

Kistufoss-jarðb. Tm. 6 Handrit

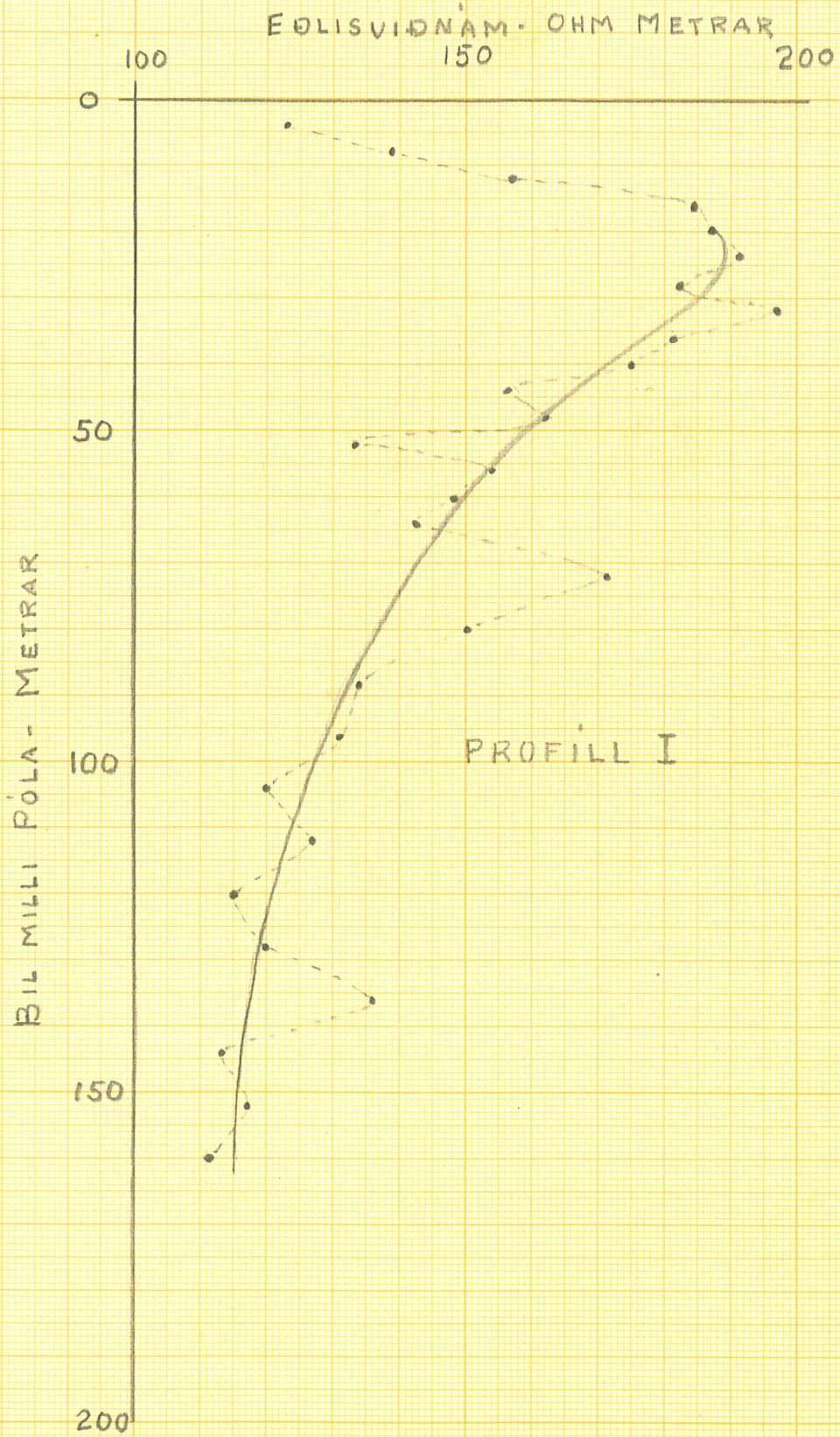
ESlisviðnám
 S_s
 $[\Omega m]$



$S_1 = 615 \Omega m$ (kvartert basalt). Með $S_2 = 210 \Omega m$ (mæling í jarðgöng í jökulrunningi)
 fest $k = -0,497$
 Dypt í running $a = 22$ $h = 36 m$

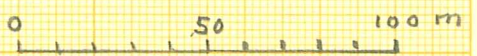
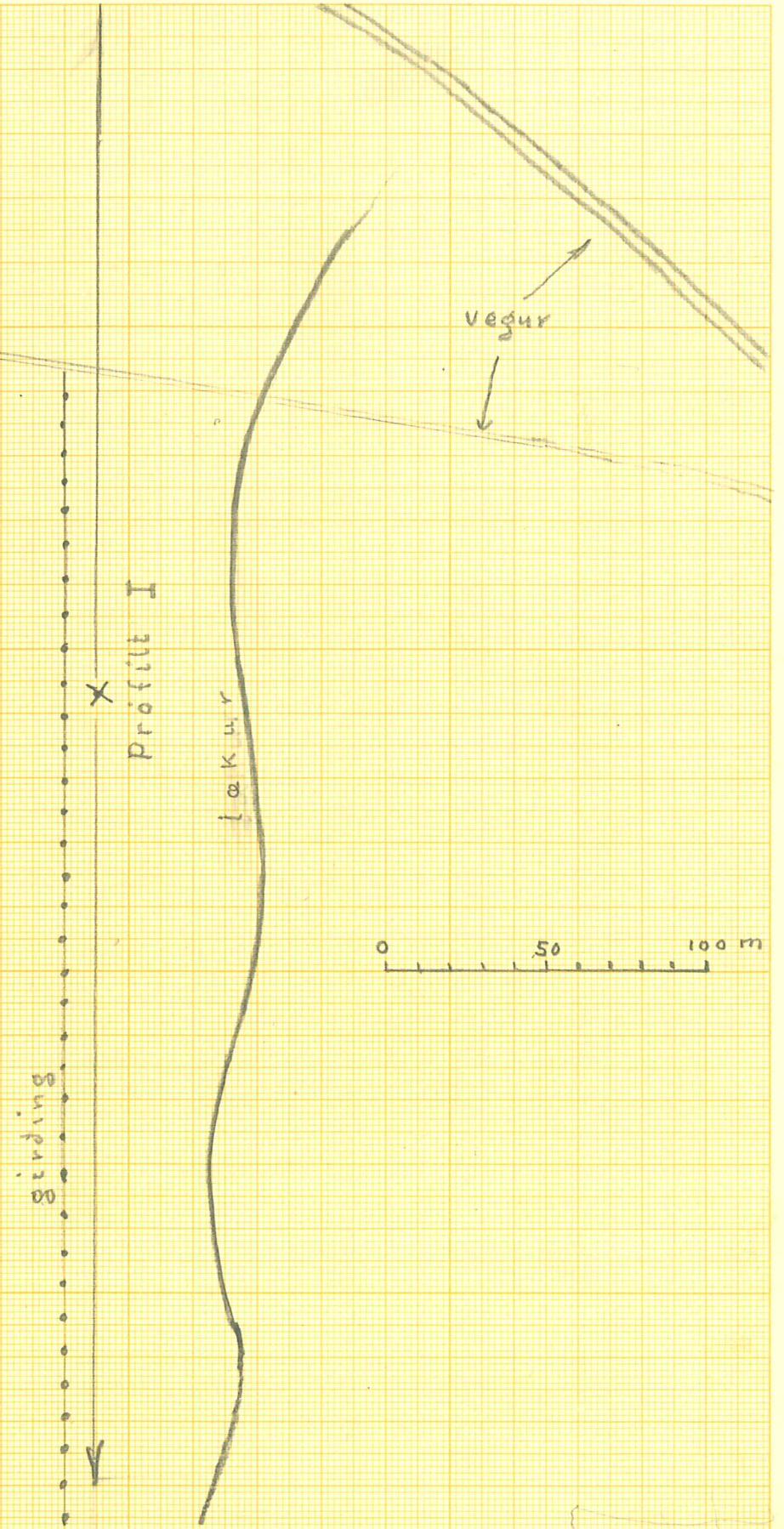


Pölfjarlagð a [m]

Kislufoss - jarðb. Imr. 7 hman





 tilraunastof



VIÐNÁMSMÆLINGAR
 AÐ
 KELDUM

1-4-'52

Laug

Løkur



vegur

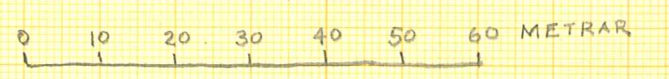
104 110 Lengdarprofil

X dýptarprofil



Tilraunastöð

KELDUR



Ø = 16 METRAR

30-4-52

EDLISVIÐNÁM - OHM METRAR

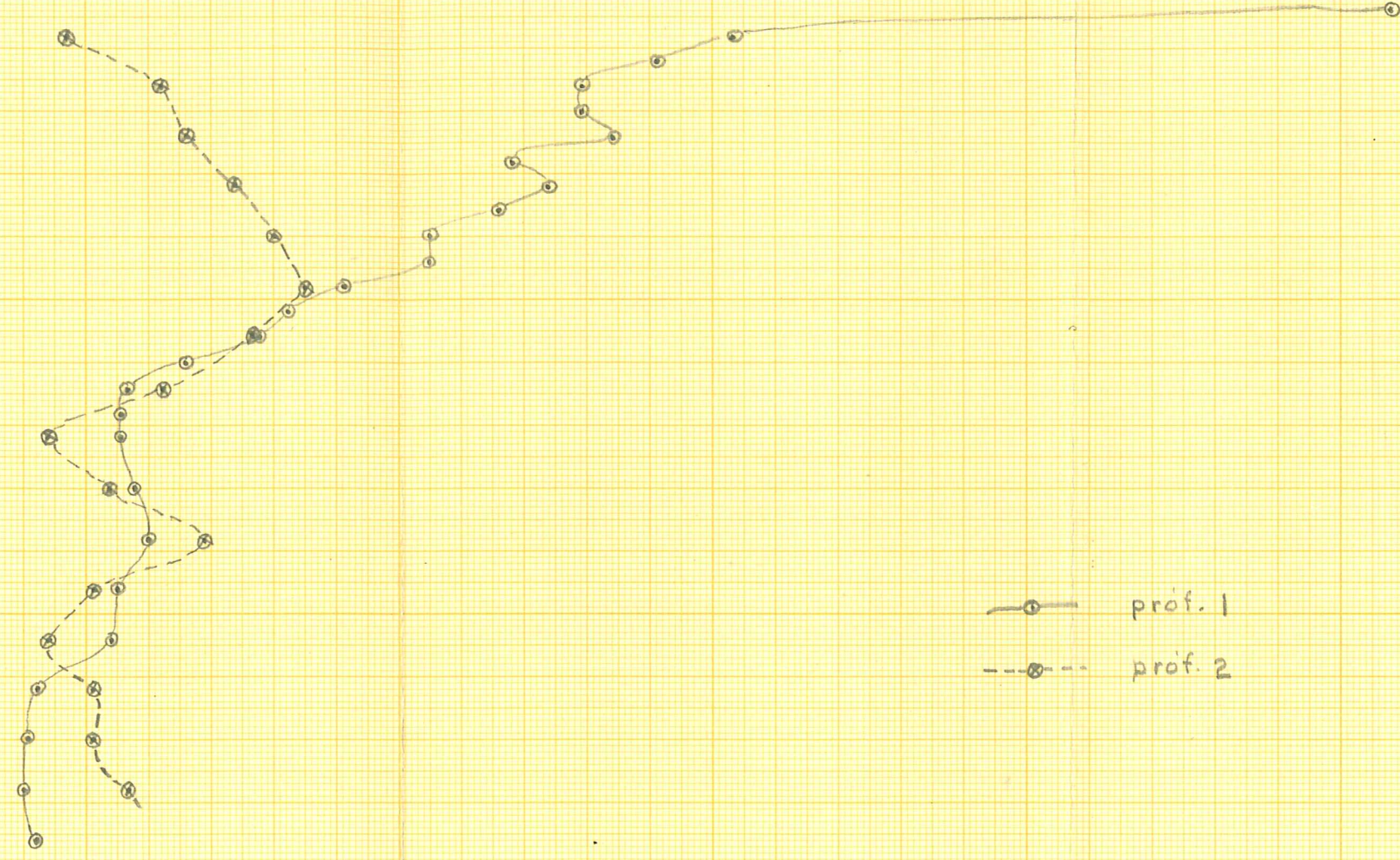
AFSTIÐA PÓLA - METRAR

0
50
100
150

100

200

300



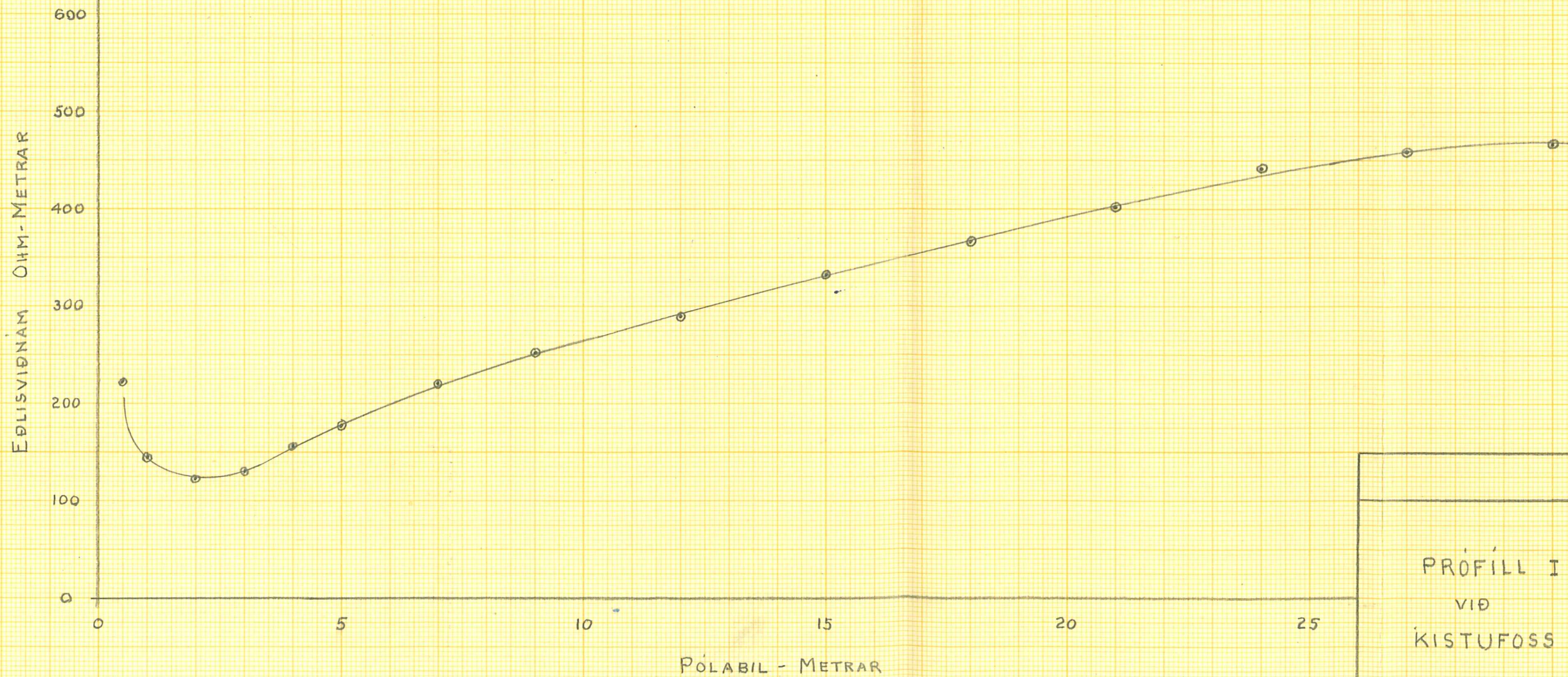
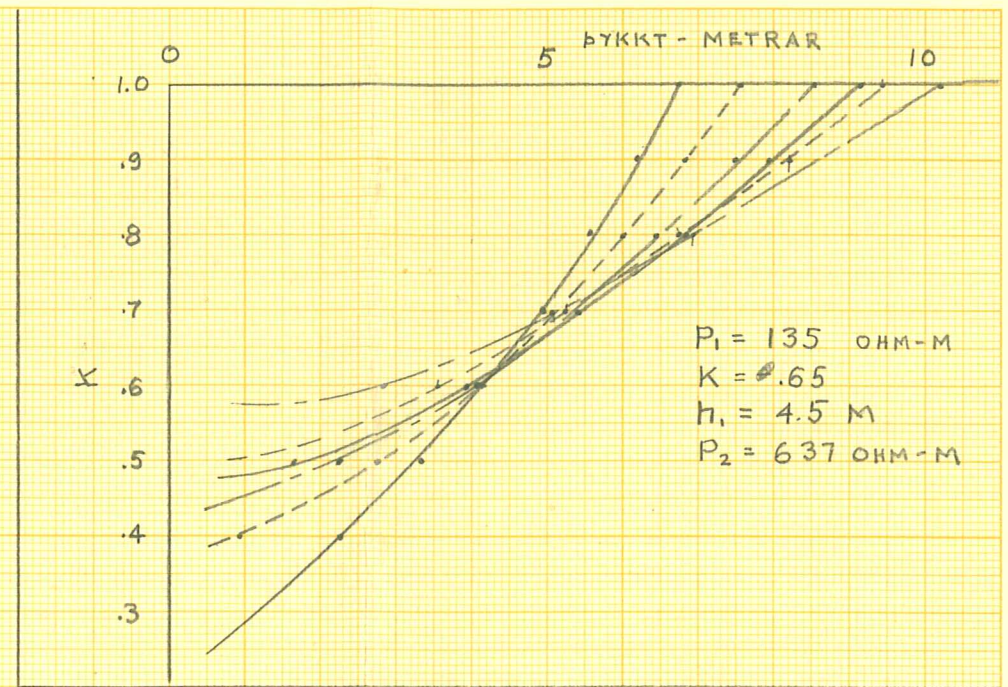
—○— próf. 1
 - - -○- - - próf. 2

KELDUR
 DÝPTARPRÓFÍLAR

23-4-'52

Keldur - Jarðb. Tmr. 2 Hamarid.

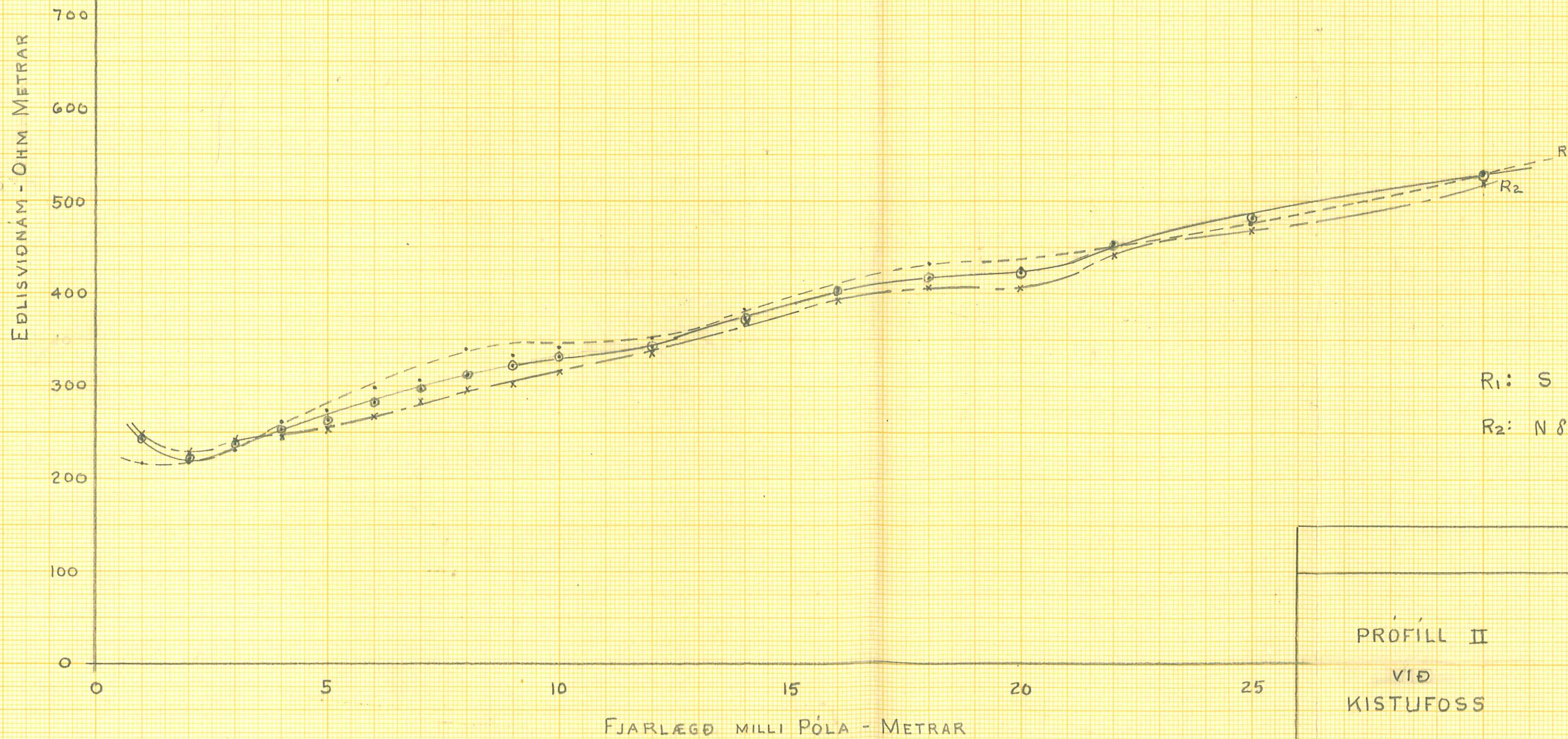
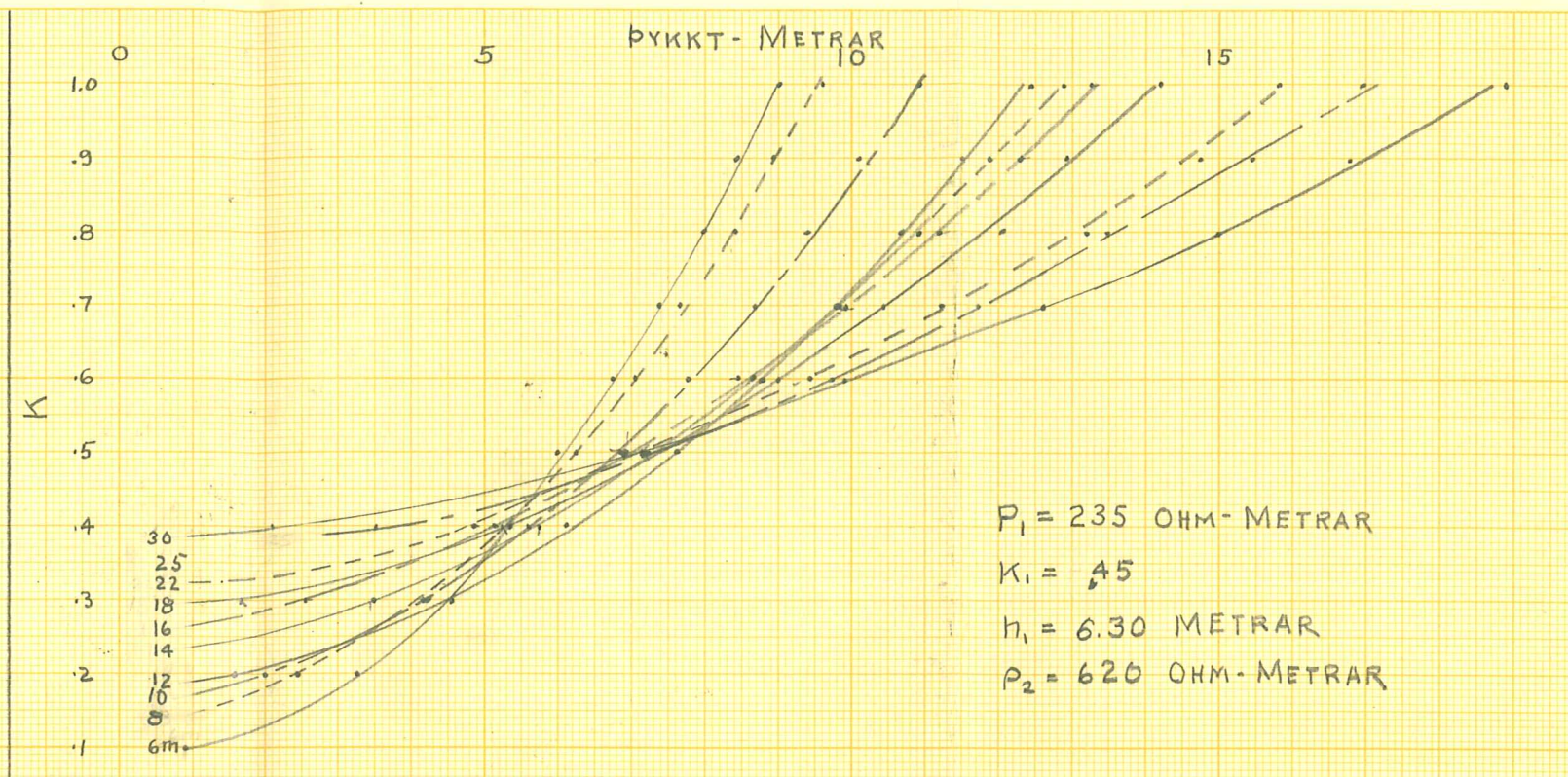
a	I	V _P	R
1/2	7.1	502	222
1	20.5	475	145
2	22.8	225	124
3	14.0	98	131
4	18.9	120	159
5	26.3	150	179
7	31.7	160	222
9	30.6	137	253
12	32.3	124	290
15	34.3	121	333
18	41.2	135	368
21	38.8	118	402
24	36.8	108	442
27	40.6	110	460
30	35.2	87	466



PRÓFILL I
VIÐ
KISTUFOSS
Malt 2-9-51

Kistufoss-farð. Tm. 2 komandi

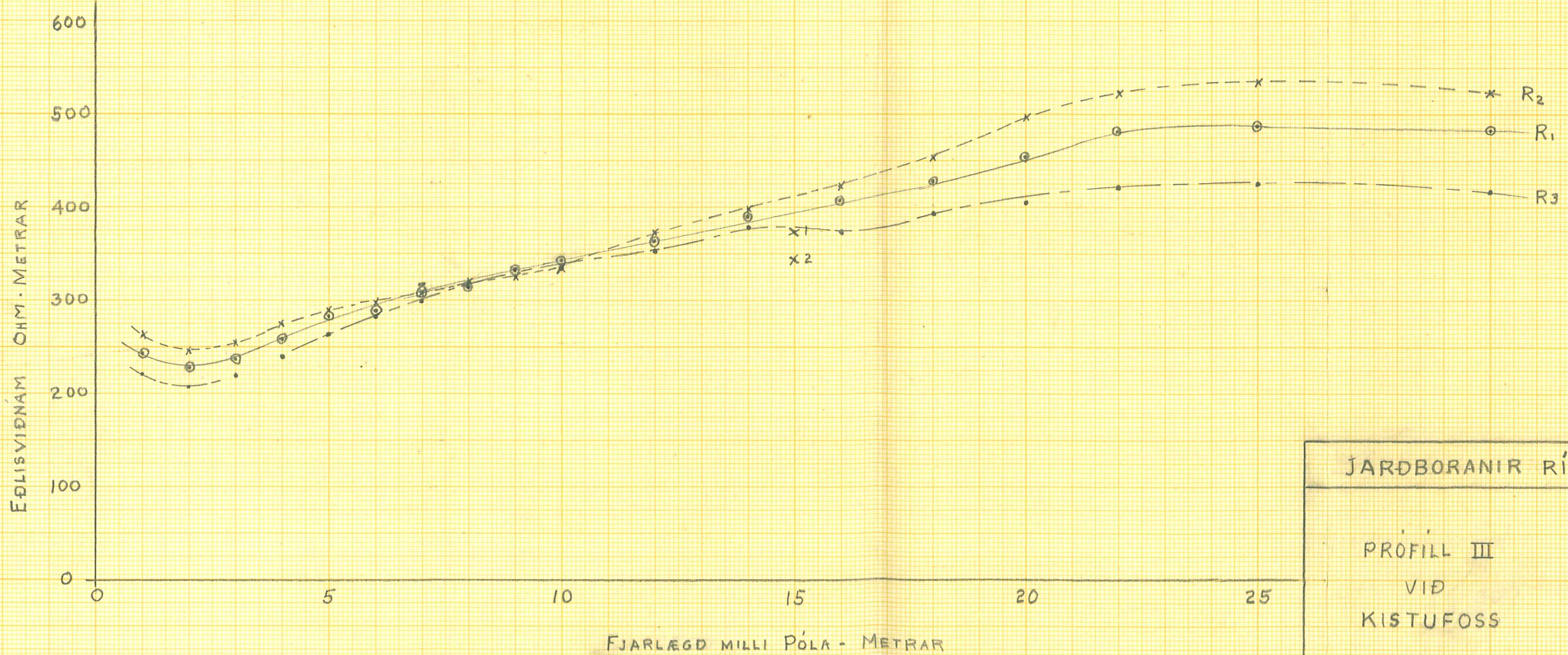
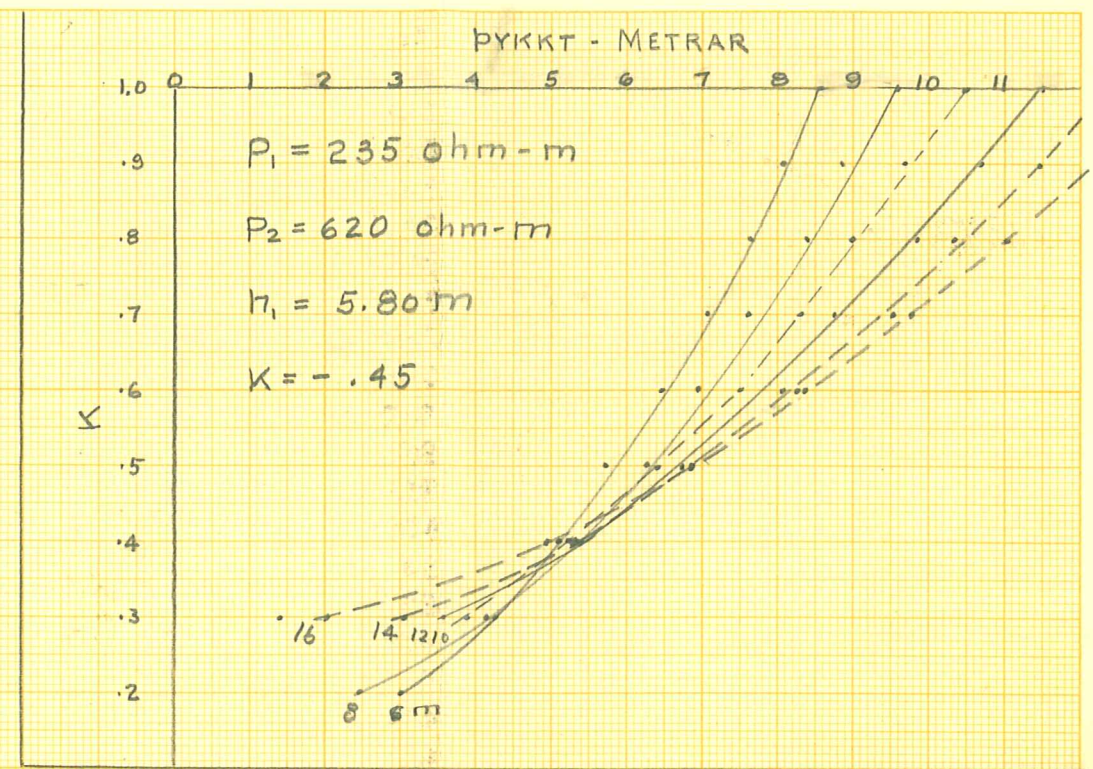
α	I	V _P	V ₁	V ₂	R	R ₁	R ₂
1	14.2	527	246	280	242	218	247
2	19.3	355	169	174	223	220	227
3	19.6	247	120	126	237	231	242
4	26.3	267	137	129	253	262	246
5	24.3	205	106	98	264	274	254
6	38.6	292	153	137	283	299	267
7	32.2	217	112	104	296	306	284
8	37.5	235	127	111	314	340	298
9	31.2	177	92	84	321	333	304
10	34.5	183	94	87	333	342	316
12	29.2	133	68	65	343	351	336
14	30.2	128	66	64	373	384	372
16	31.6	127	64	62	403	406	394
18	32.8	121	61	59	417	434	406
20	24.7	83	42	40	423	426	406
22	36.8	121	61	59	453	456	442
25	34.2	105	52	51	483	476	468
30	35.4	100	50	49	530	532	521



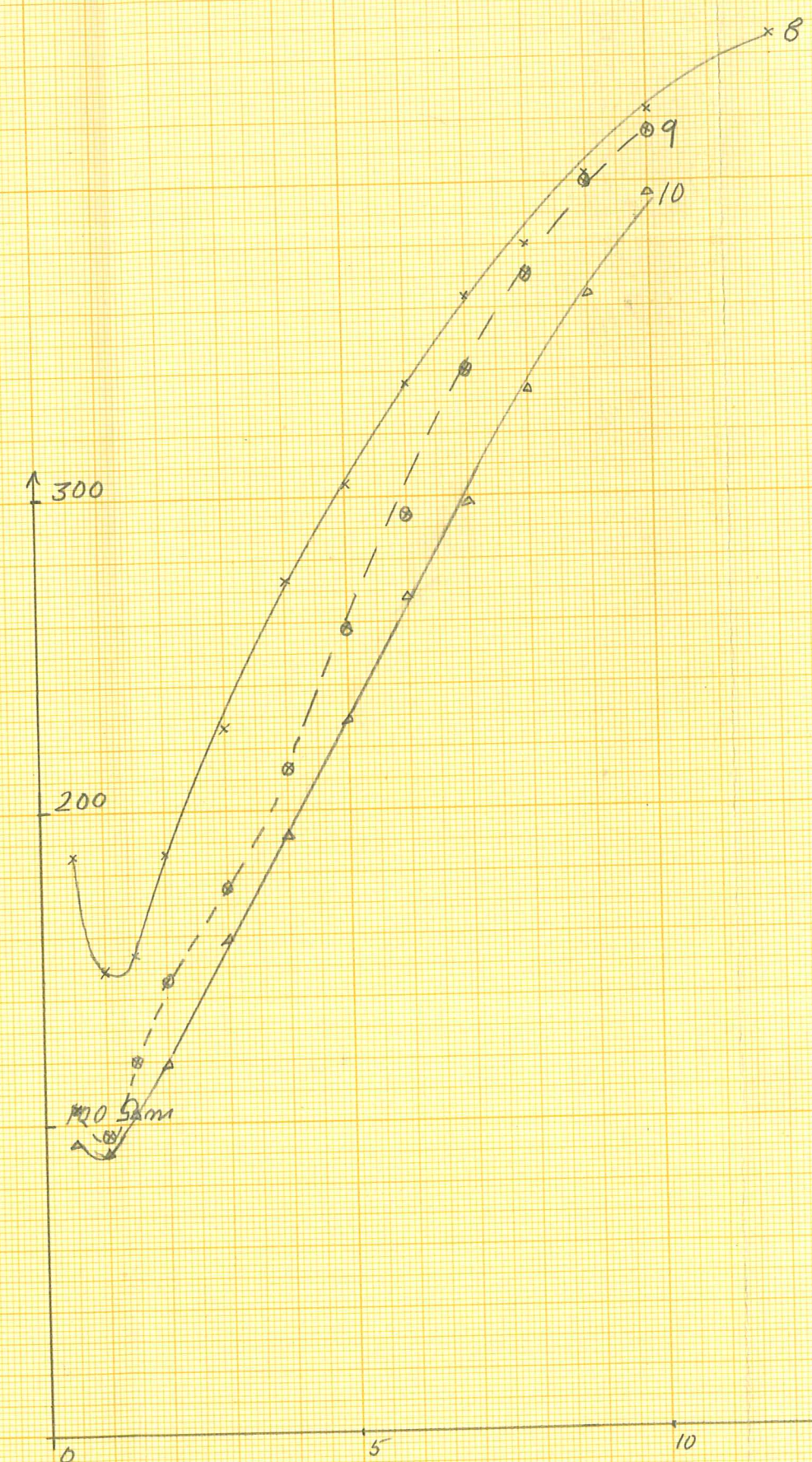
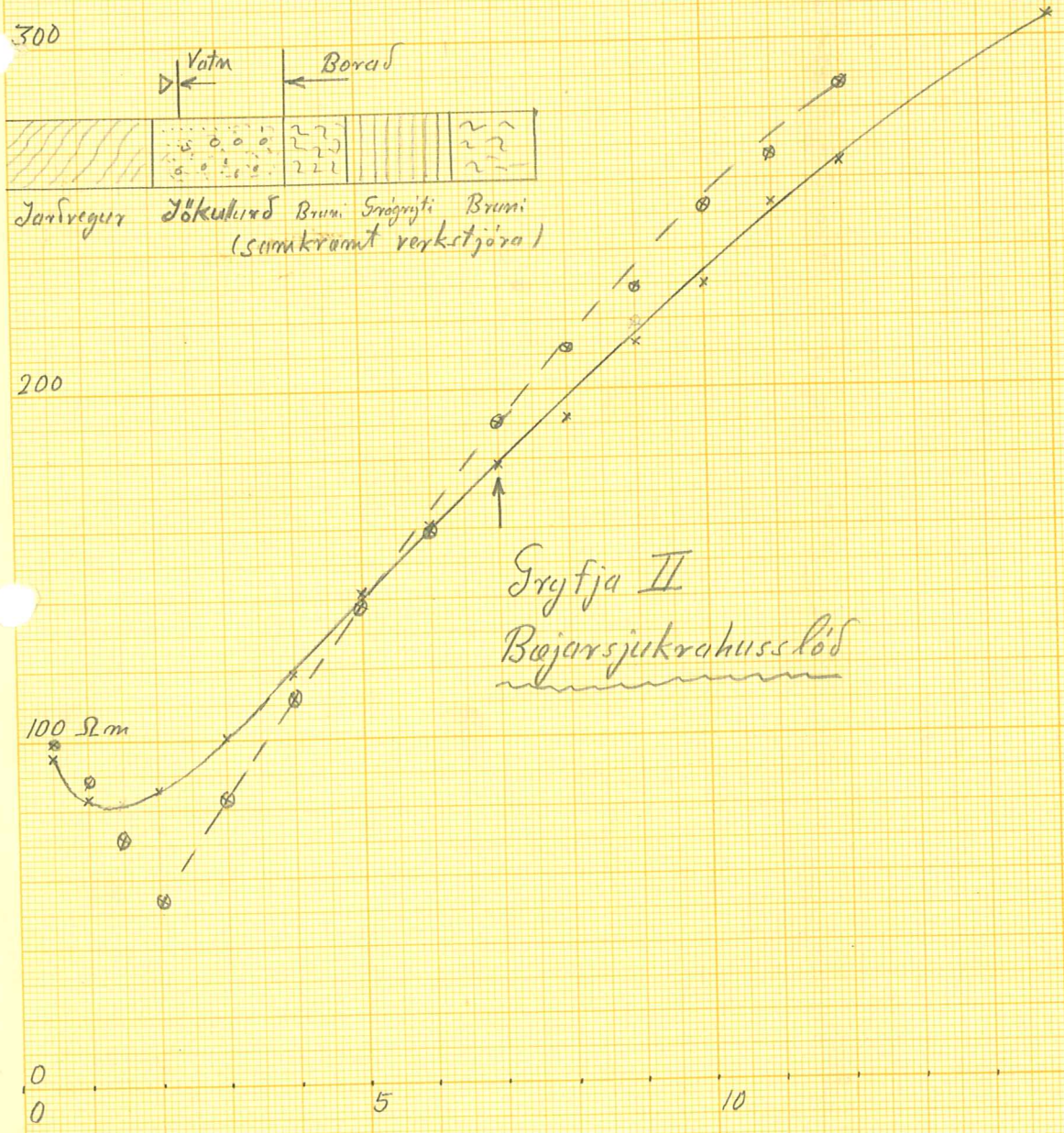
PRÓFILL II
VIÐ
KISTUFOSS

Malt 2-9-'51

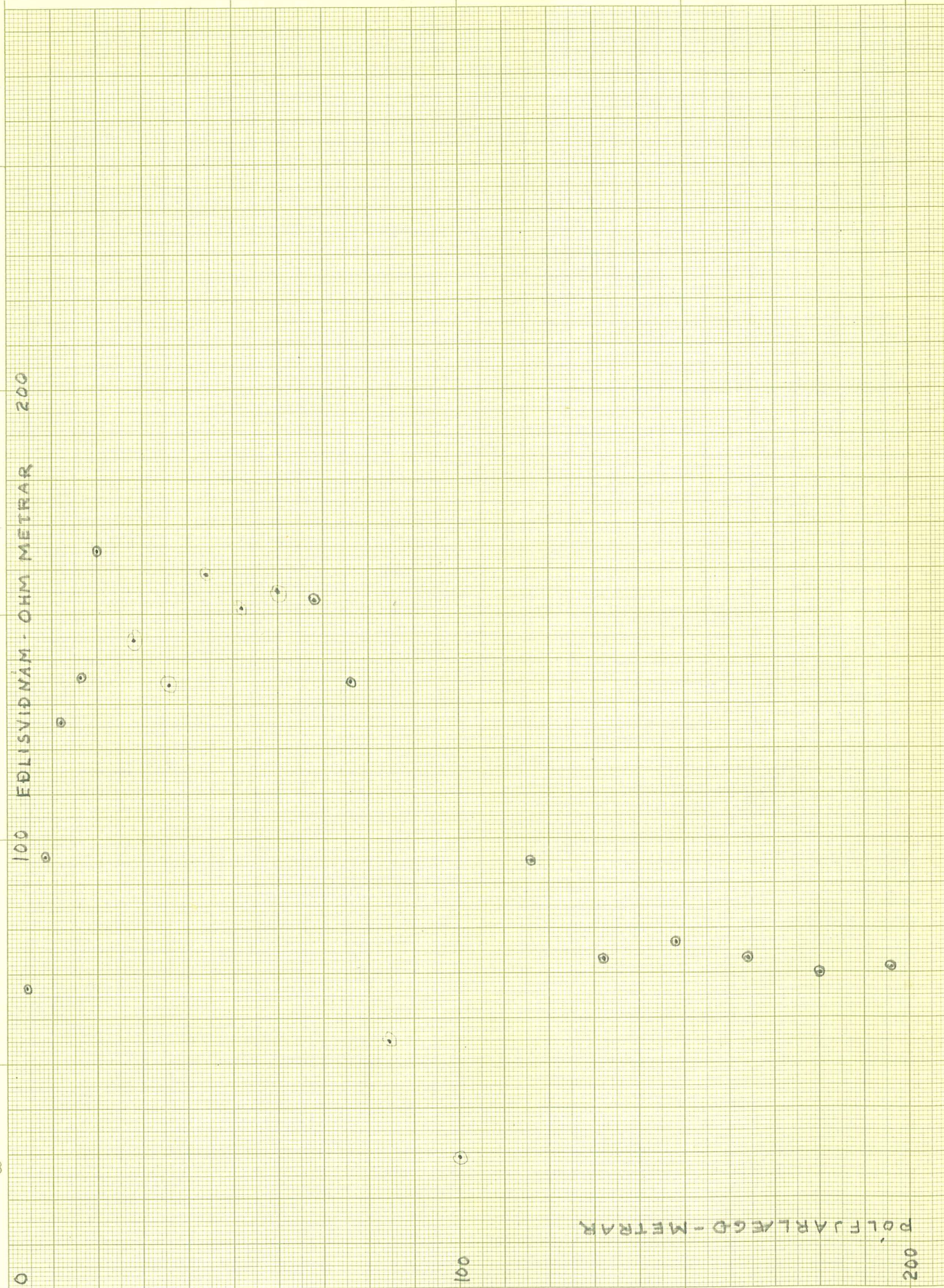
a	I	V _p	V ₁	V ₂	R ₁	R ₂	R ₃
1	21.7	837	455	381	242	263	221
2	21.6	391	212	178	227	246	207
3	22.6	286	153	132	237	255	220
4	23.2	239	127	111	258	275	240
5	19.6	177	90	82	283	289	263
6	21.4	165	84	80	289	296	281
7	22.6	157	79	77	307	308	299
8	22.1	139	70	69	313	318	314
9	22.1	130	64	65	332	326	332
10	19.6	107	53	53	343	339	339
12	29.0	140	72	68	363	374	353
14	28.3	125	64	61	388	398	379
16	27.0	109	57	50	406	424	372
18	22.4	85	45	39	427	454	394
20	30.3	109	60	49	452	497	405
22	34.2	119	65	52	483	525	420
25	25.8	80	44	35	487	535	426
30	25.2	65	35	28	483	523	418
V 15	21.3	85	—	—	375	—	—
A 15	43.6	158	—	—	342	—	—



JARÐBORANIR RÍKISINS	
PRÓFILL III	
VIÐ	
KISTUFOSS	
MÆLT 2-9-'51	



J-R. Reykjavík
Tav. 7.



PÓLFJÁRLÆGD - METRAR

J-R. Reykjavík
Flugvöllur Tinn 5