

**A BEAC Barlangkutató Csoport**

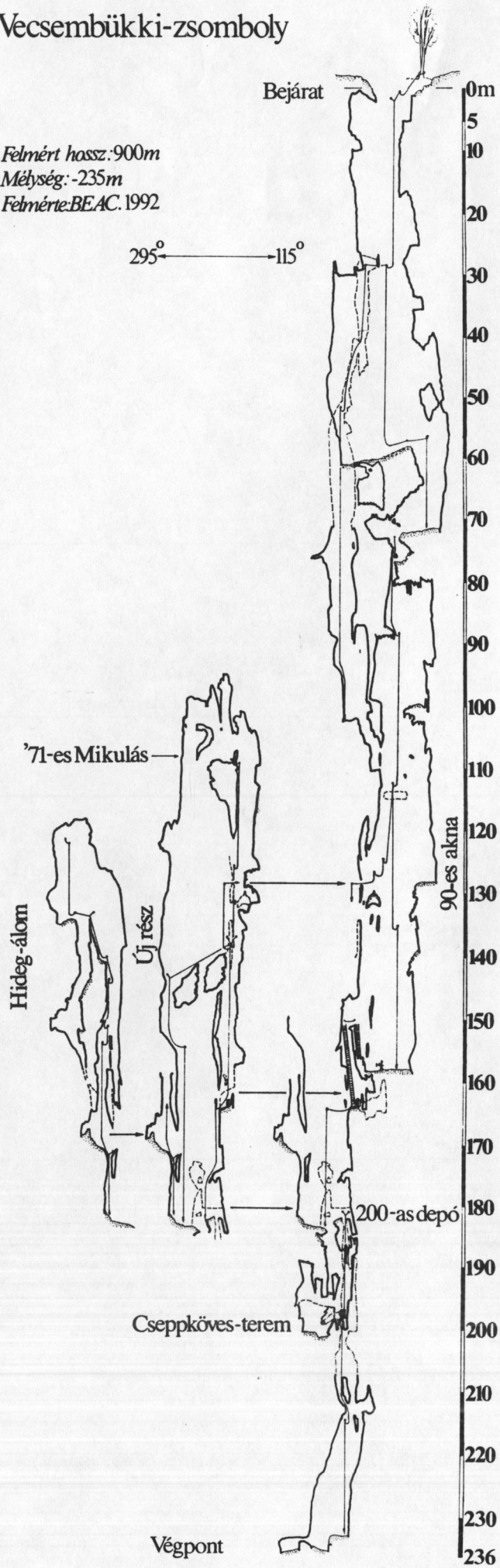
**1997. évi jelentése**

**MELLÉKLET**

17

# Vecsembükki-zsomboly

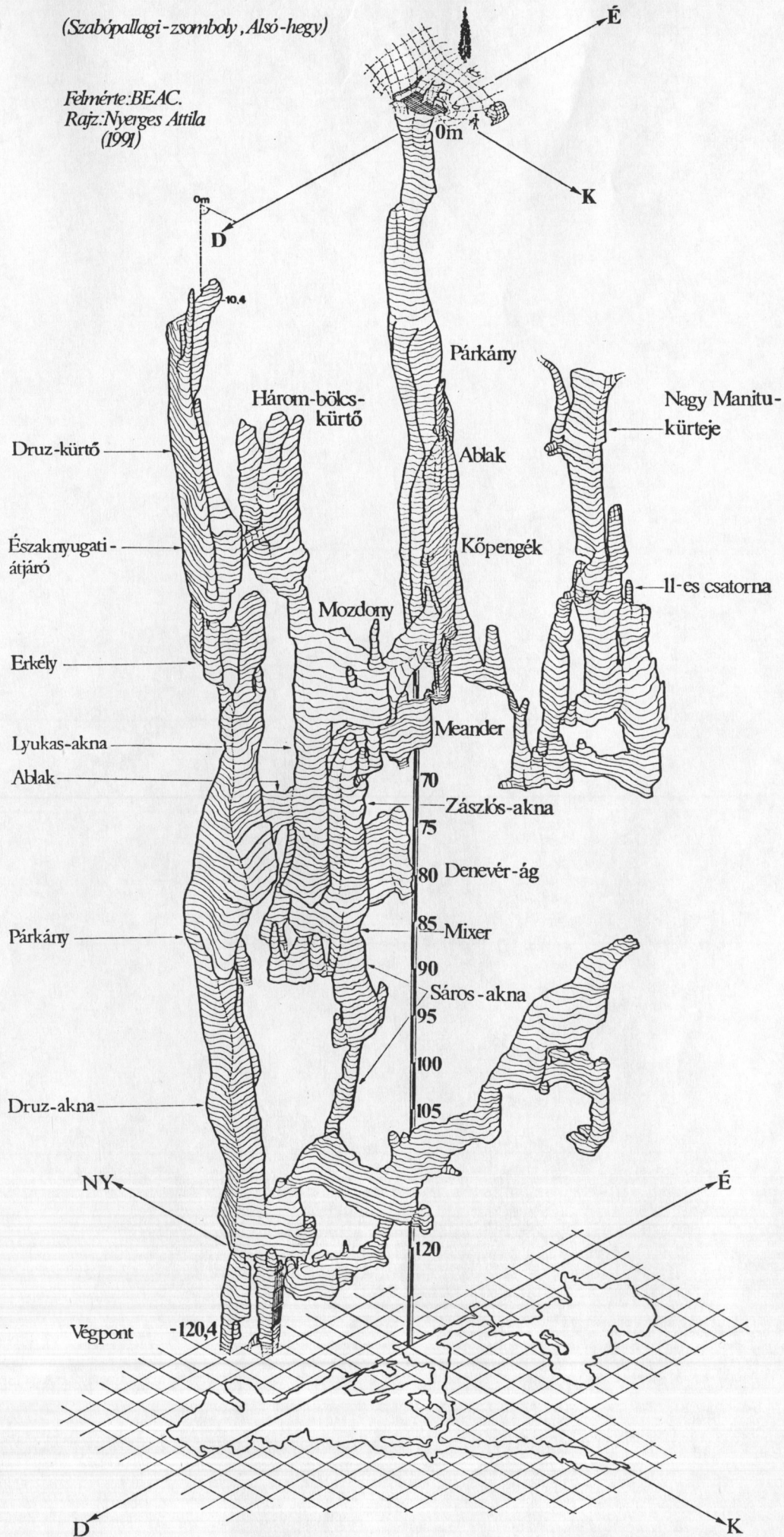
Felmért hossz: 900m  
Mélység: -235m  
Felmérte: BEAC. 1992



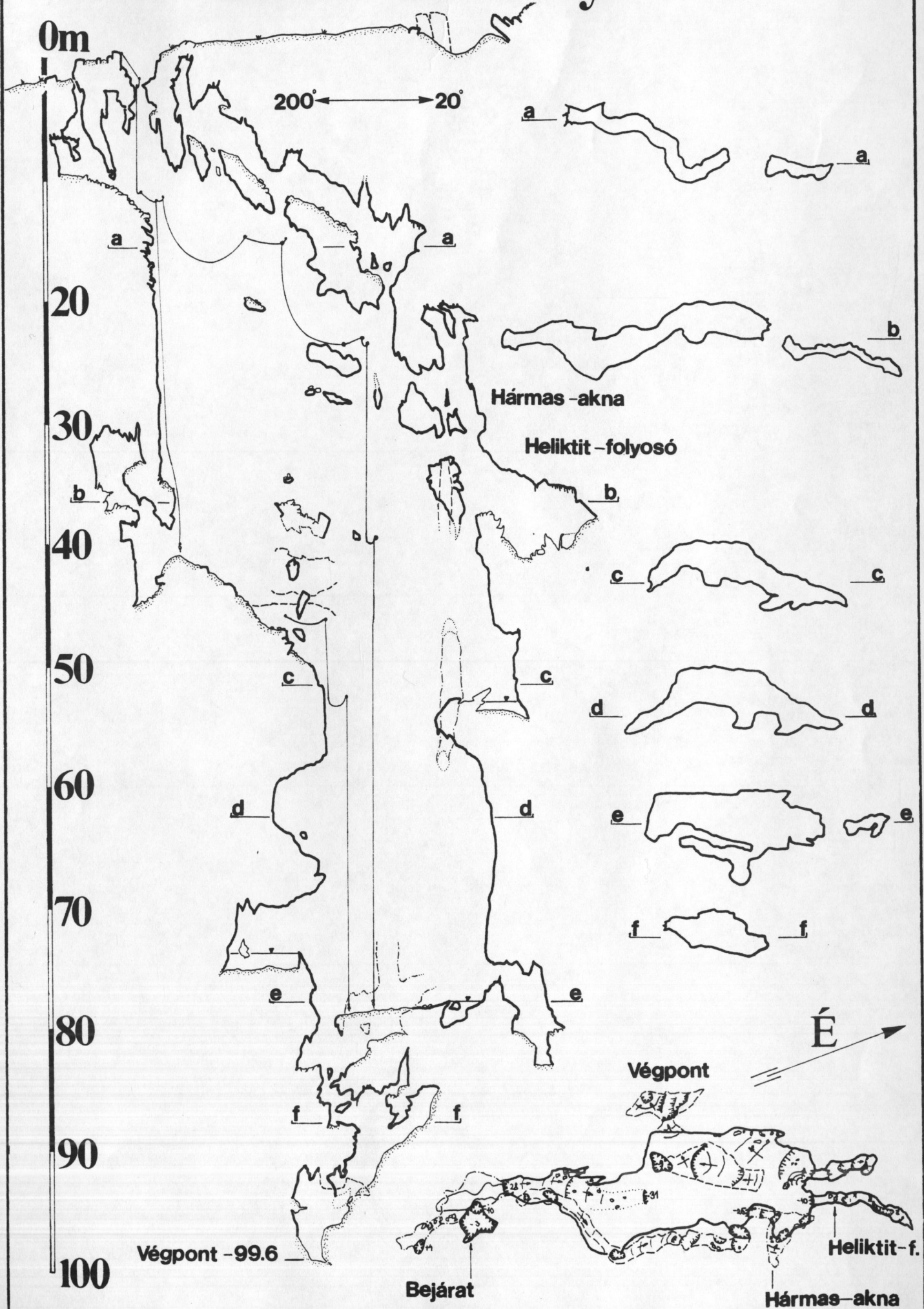
# BAGLYOK - SZAKADÉKA

(Szabóballagi-zsomboly, Alsó-hegy)

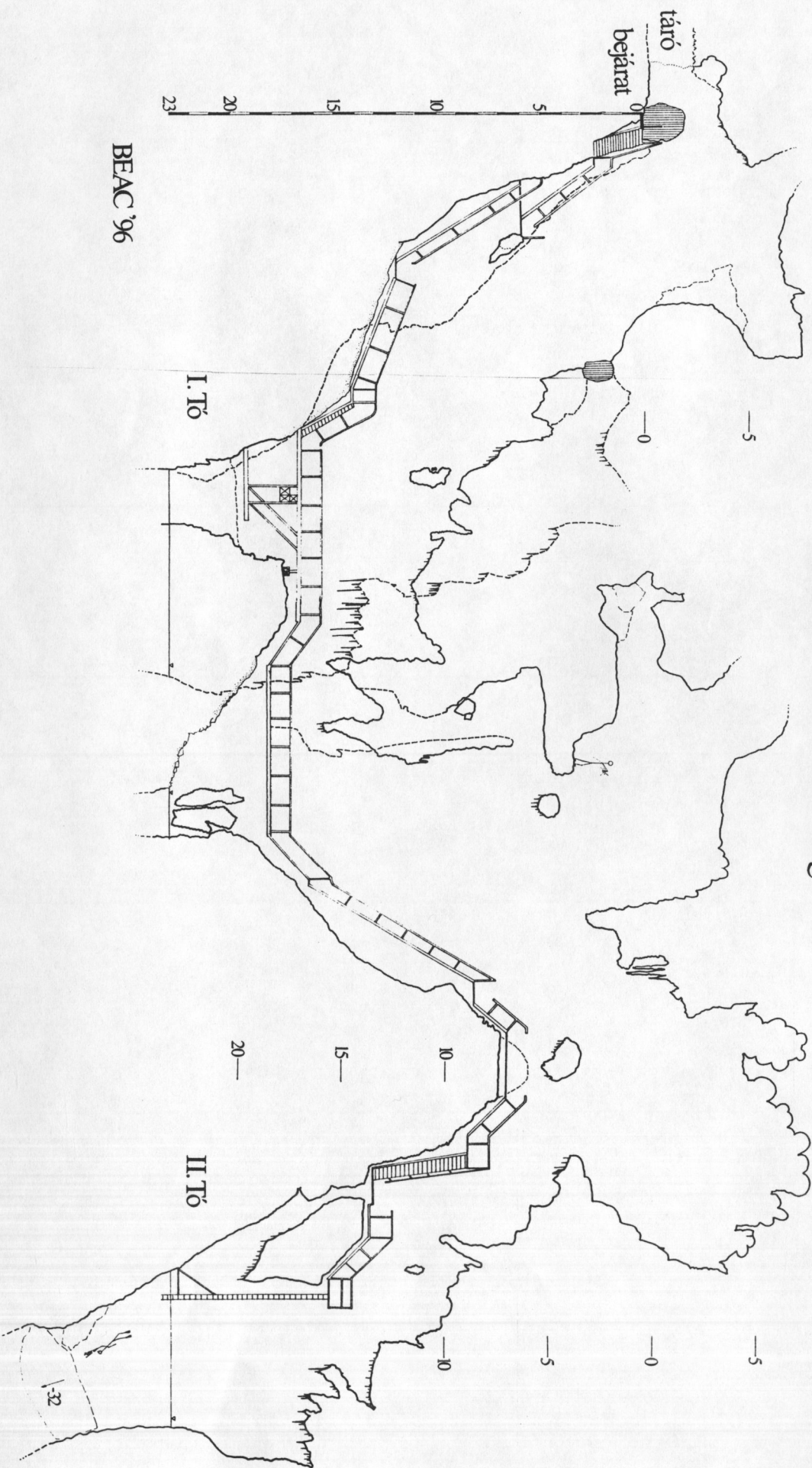
Felmérte: BEAC.  
Rajz: Nyerges Attila  
(1991)



# Almási-zsomboly



# Rákóczi 1. számú barlang



BEAC '96

B A R L A N G F E L M É R É S I J E G Y Z Ö K Ö N Y V

A barlang neve: **Gortáni**

Felmérte: Nyerges Attila, Elekes Balázs, Börcsök Péter

Felmérési eszközök:

Jegyzőkönyv:

Ponttól	Pontig	Távolság ( m )	Irány- szög ( fok )	Emel- kedés ( fok )	Megjegyzés	Végpont			Hurokhiba		
						X (D-É)	Y (K-Ny)	Z (mag.)	X	Y	Z
0	1	8.50	216.0	-7.0	P200-as akna teteje	-6.83	4.96	-1.04			
1	2	3.20	114.0	19.0		-8.06	2.19	.01			
2	3	4.43	160.0	7.0		-12.19	.69	.55			
3	4	10.50	141.5	.0		-20.41	-5.85	.55			
4	5	9.21	140.0	2.0		-27.46	-11.76	.87			
5	6	2.38	80.0	36.5		-27.12	-13.65	2.28			
6	7	2.92	145.0	.0		-29.52	-15.32	2.28			
7	8	5.45	204.0	.0		-34.49	-13.10	2.28			
8	9	3.43	102.0	4.0		-35.21	-16.45	2.52			
9	10	1.92	191.0	-19.0		-36.99	-16.10	1.90			
10	11	5.50	109.0	-4.0		-38.77	-21.29	1.51			
11	12	11.62	75.0	2.0		-35.77	-32.51	1.92			
12	13	7.30	101.0	-1.0		-37.16	-39.67	1.79			
13	14	3.95	68.5	10.0		-35.74	-43.29	2.48			
14	14.01	10.15	127.0	12.0		-41.71	-51.22	4.59			
14.01	14.02	5.00	205.0	15.0		-46.09	-49.18	5.88			
14.02	14.03	4.80	248.0	.0		-47.89	-44.73	5.88			
14	15	2.53	73.0	-4.0	Pekete sas sáros utca	-35.00	-45.71	2.30			
15	16	1.50	.0	-90.0		-35.00	-45.71	.80			
16	17	2.25	98.0	.0		-35.31	-47.94	.80			
17	18	1.95	16.0	.0		-33.44	-48.47	.80			
18	19	1.90	93.0	.0		-33.54	-50.37	.80			
19	20	2.00	19.0	.0		-31.64	-51.02	.80			
20	21	1.70	358.0	.0		-29.95	-50.96	.80			
21	22	1.85	118.0	.0		-30.81	-52.60	.80			
22	23	1.60	165.0	.0		-32.36	-53.01	.80			
23	24	1.20	65.0	.0		-31.85	-54.10	.80			
24	25	2.20	42.0	.0		-30.22	-55.57	.80			
25	26	2.20	80.0	.0		-29.84	-57.74	.80			
26	27	1.20	100.0	.0		-30.04	-58.92	.80			
27	28	2.10	55.0	.0		-28.84	-60.64	.80			
28	29	2.20	92.0	.0		-28.92	-62.84	.80			
29	30	3.00	42.0	.0		-26.69	-64.84	.80			
30	31	2.72	355.0	.0		-23.98	-64.61	.80			
31	32	1.50	6.0	.0		-22.49	-64.76	.80			
32	33	2.40	327.0	18.0		-20.57	-63.52	1.54			
33	34	2.80	284.0	5.0		-19.90	-60.81	1.79			
34	35	3.20	260.0	9.0	Bálnafarok	-20.45	-57.70	2.29			
35	36	3.30	168.0	29.0		-23.27	-58.30	3.89			
36	37	2.80	169.0	22.0		-25.82	-58.80	4.94			
37	38	4.50	109.0	25.0		-27.14	-62.65	6.84			
38	39	2.30	12.5	36.0		-25.33	-63.06	8.19			

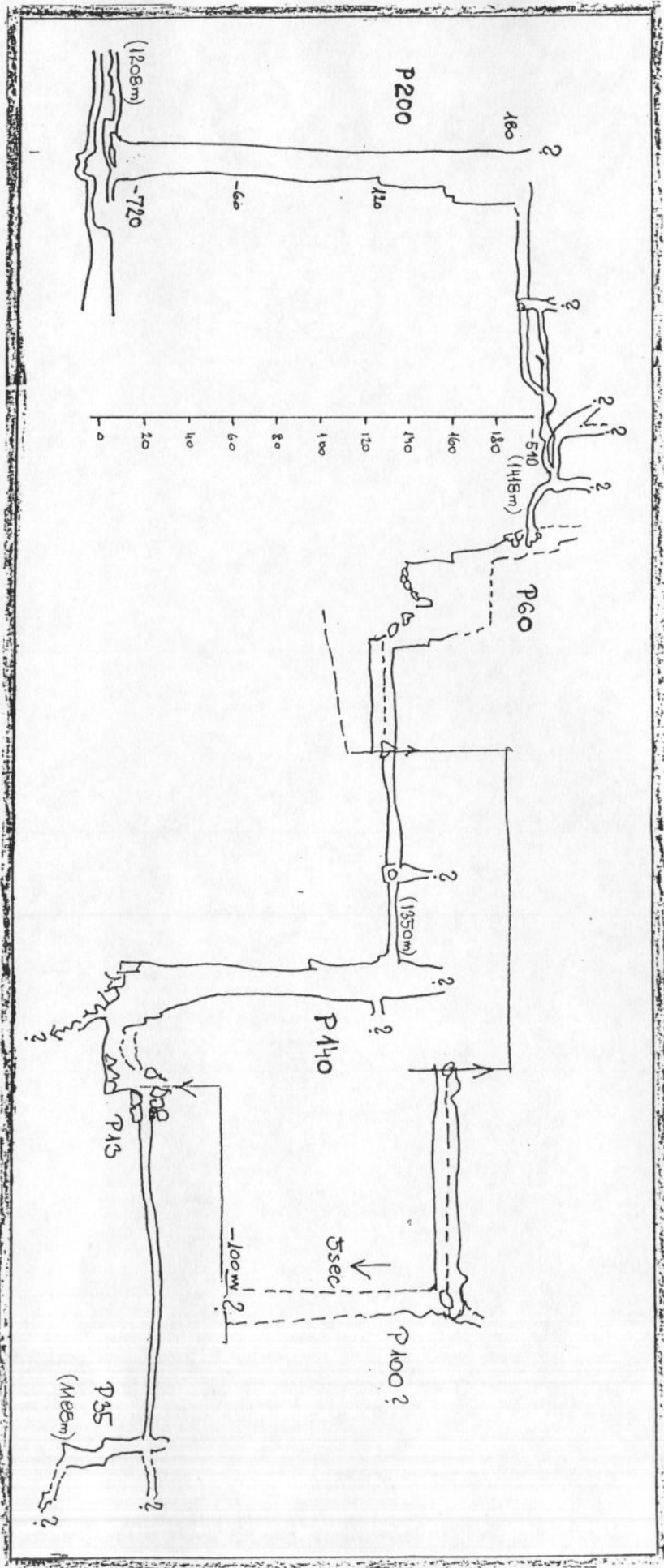
Ponttól	Pontig	Távolság ( m )	Irány- szög ( fok )	Emel- kedés ( fok )	Megjegyzés	Végpont			Hurokhiba		
						X (D-É)	Y (K-Ny)	Z (mag.)	X	Y	Z
39	40	3.50	90.0	40.0	Kőszarv	-25.33	-65.74	10.44			
40	41	2.00	.0	90.0		-25.33	-65.74	12.44			
41	42	6.30	.0	12.0		-19.17	-65.74	13.75			
42	43	4.85	354.0	-2.0		-14.35	-65.23	13.58			
43	44	9.40	87.0	9.0	Szemüreg	-13.86	-74.50	15.05			
44	45	3.20	327.0	31.0		-11.56	-73.01	16.70			
45	46	11.30	71.0	1.0		-7.88	-83.69	16.90			
46	47	1.60	328.0	40.0		-6.84	-83.04	17.92			
47	48	7.00	126.0	12.0	Lapos kő	-10.87	-88.58	19.38			
48	48.01	9.00	220.0	20.0		-17.34	-83.14	22.46			küti díj
48	49	9.90	49.0	-25.0		-4.98	-95.35	15.20			
49	50	4.30	125.0	-48.0		-6.63	-97.71	12.00			
50	51	4.00	193.0	.0		-10.53	-96.81	12.00			
51	52	2.00	168.0	4.0		-12.48	-97.22	12.14			
52	53	3.20	119.0	12.0		-14.00	-99.96	12.81			
53	54	6.70	51.0	57.0		-11.70	-102.80	18.42			
54	55	1.50	345.0	.0		-10.25	-102.41	18.42			
55	56	7.50	.0	-90.0		-10.25	-102.41	10.92			
56	56.01	6.40	8.0	.0		-3.91	-103.30	10.92			
56	57	6.60	68.0	-36.0		-8.25	-107.36	7.04			
57	58.10	14.00	.0	-90.0		-8.25	-107.36	-6.96			
58.10	58.20	19.00	.0	-90.0		-8.25	-107.36	-25.96			
58.20	58.30	16.00	.0	-90.0		-8.25	-107.36	-41.96			
58.30	59	17.40	19.0	25.0		6.66	-112.49	-34.60			
59	60	12.20	115.0	-30.0		2.19	-122.07	-40.70			
60	61	6.50	34.0	-32.0		6.76	-125.15	-44.15			
61	62	10.70	118.0	2.0		1.74	-134.59	-43.77			
62	63	23.50	24.0	4.0		23.16	-144.13	-42.13			
63	64	11.23	45.0	2.0	elágazás	31.10	-152.06	-41.74			
64	65	14.00	123.0	2.0		23.48	-163.80	-41.25			
65	66	25.00	130.0	-4.0		7.45	-182.90	-43.00			
66	67	7.70	123.0	3.0		3.26	-189.35	-42.59			
67	68	20.00	125.0	-4.0		-8.19	-205.70	-43.99			
68	69	9.50	36.0	5.0		-.53	-211.26	-43.16			
69	70	5.50	80.0	7.0		.42	-216.63	-42.49			
70	71	7.75	46.0	1.0		5.80	-222.21	-42.36			
71	72	5.50	77.0	12.0		7.01	-227.45	-41.21			
64	64.10	12.60	305.0	1.0		38.32	-141.75	-41.52			
64.10	64.20	2.90	14.0	.0		41.14	-142.45	-41.52			
64.20	64.30	10.70	310.0	2.0		48.01	-134.25	-41.15			
64.30	64.40	11.00	322.0	6.0		56.63	-127.52	-40.00			
64.40	64.50	10.30	336.0	4.0		66.02	-123.34	-39.28			
64.50	64.60	6.30	31.0	4.0		71.40	-126.58	-38.84			

Ponttól	Pontig	Távolság ( m )	Irány- szög ( fok )	Emel- kedés ( fok )	Megjegyzés	Végpont			Hurokhiba		
						X (D-É)	Y (K-Ny)	Z (mag.)	X	Y	Z
64.60	64.70	7.30	102.0	5.0		69.89	-133.69	-38.20			
64.70	64.80	7.10	115.0	-5.0		66.90	-140.10	-38.82			
64.80	64.90	2.80	165.0	.0		64.20	-140.83	-38.82			
64.90	64.11	10.50	288.0	-12.0		67.37	-131.06	-41.01			
64.90	64.91	3.20	.0	90.0		64.20	-140.83	-35.62			
64.91	64.92	17.20	101.0	-2.0		60.92	-157.70	-36.22			
64.92	64.93	5.20	100.0	.0		60.02	-162.82	-36.22			
március 21-én vége											

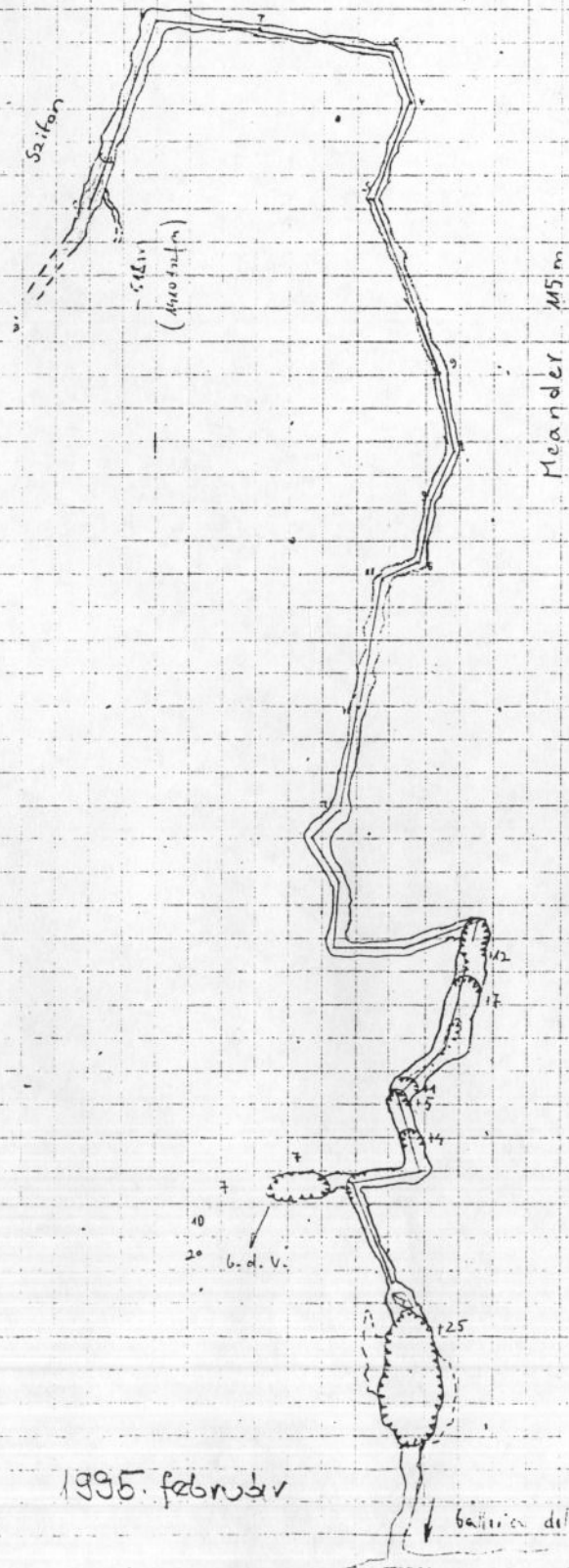
Megjegyzések:

A poligonszárak összhossza: 599.99 m



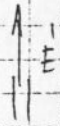






1995. februdar

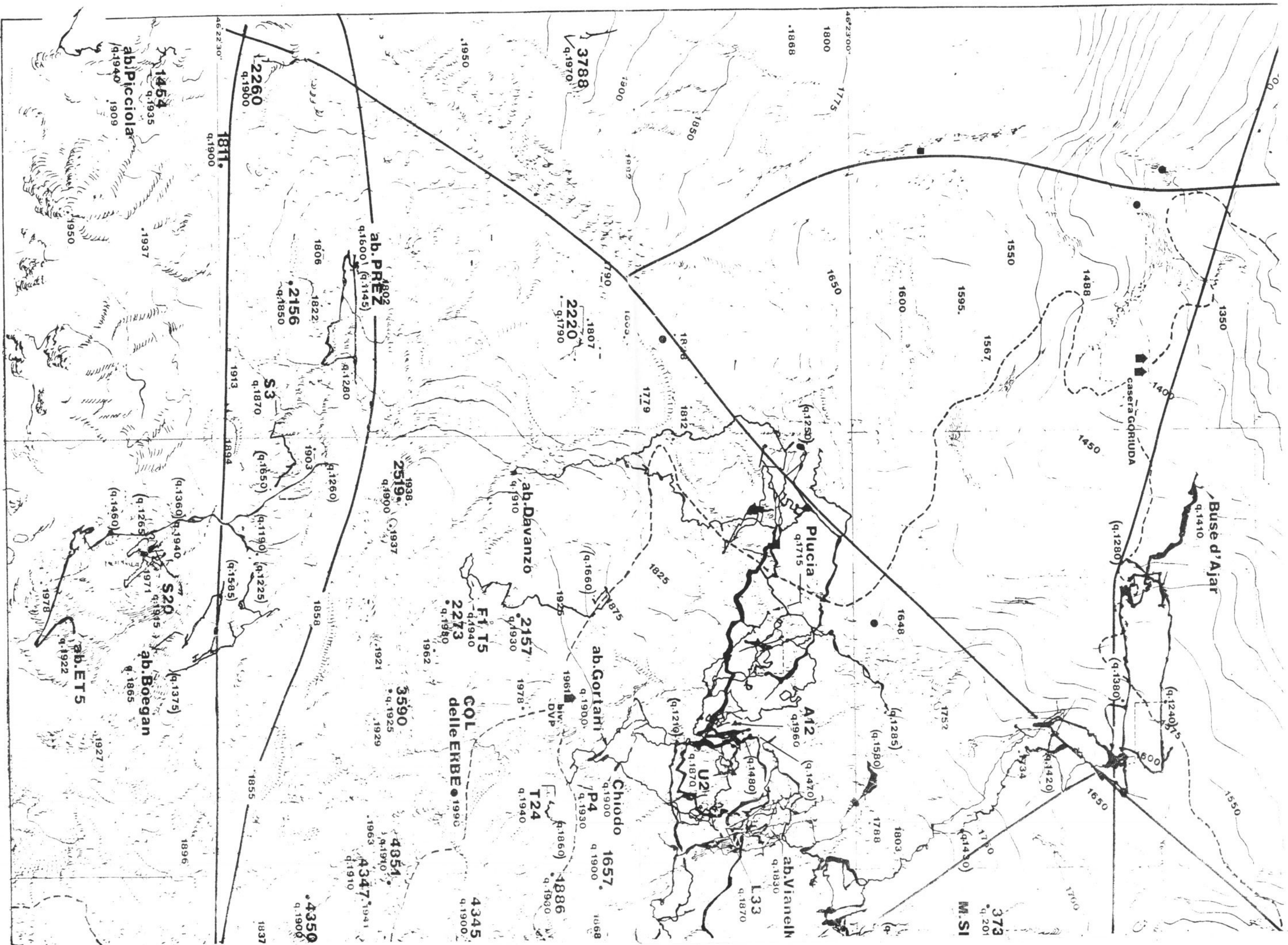
Meander 115 m

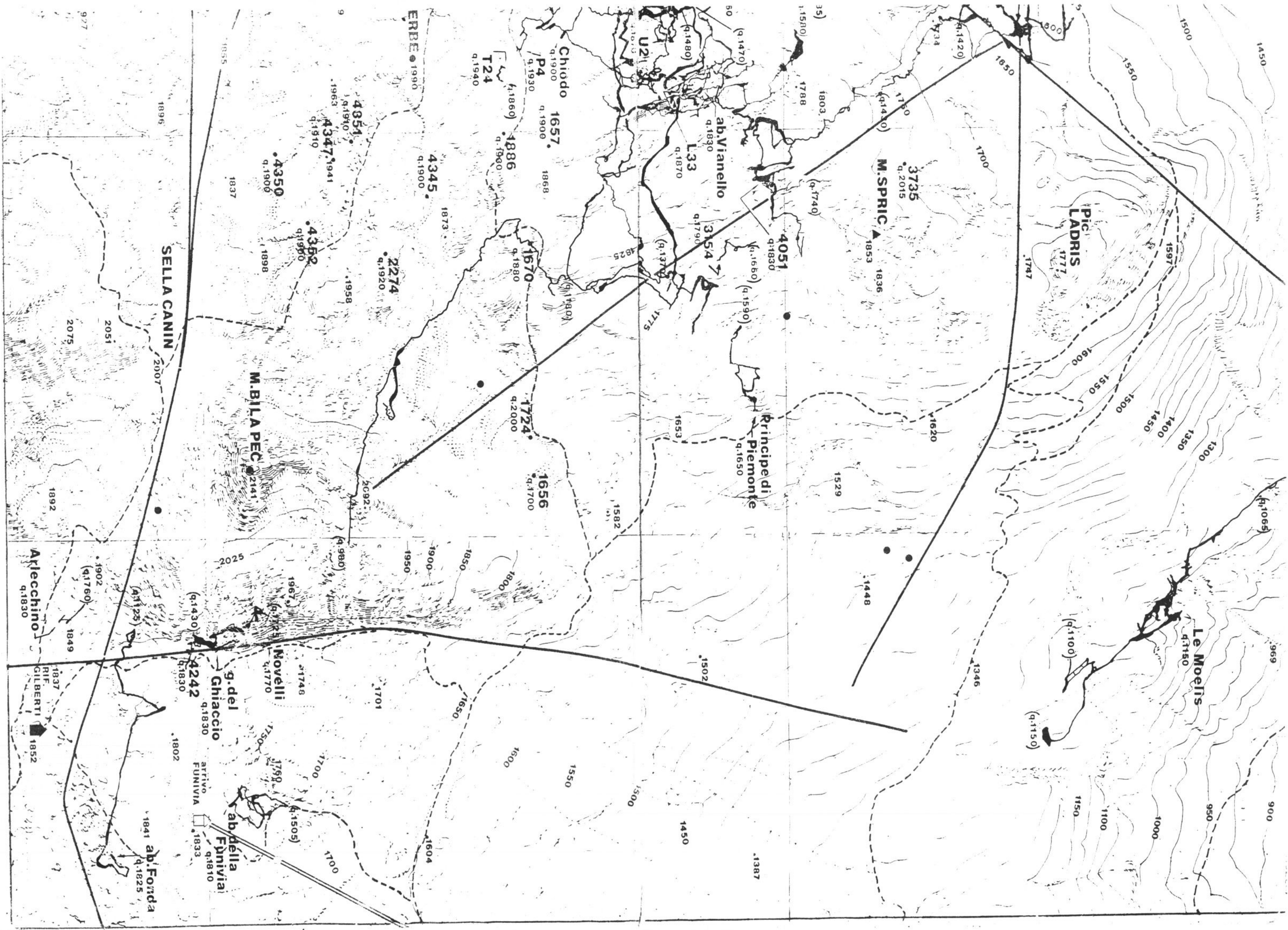


0 10 20 30 40 50 m

ABISSO MICHELE  
GORTANI  
(-578 m)

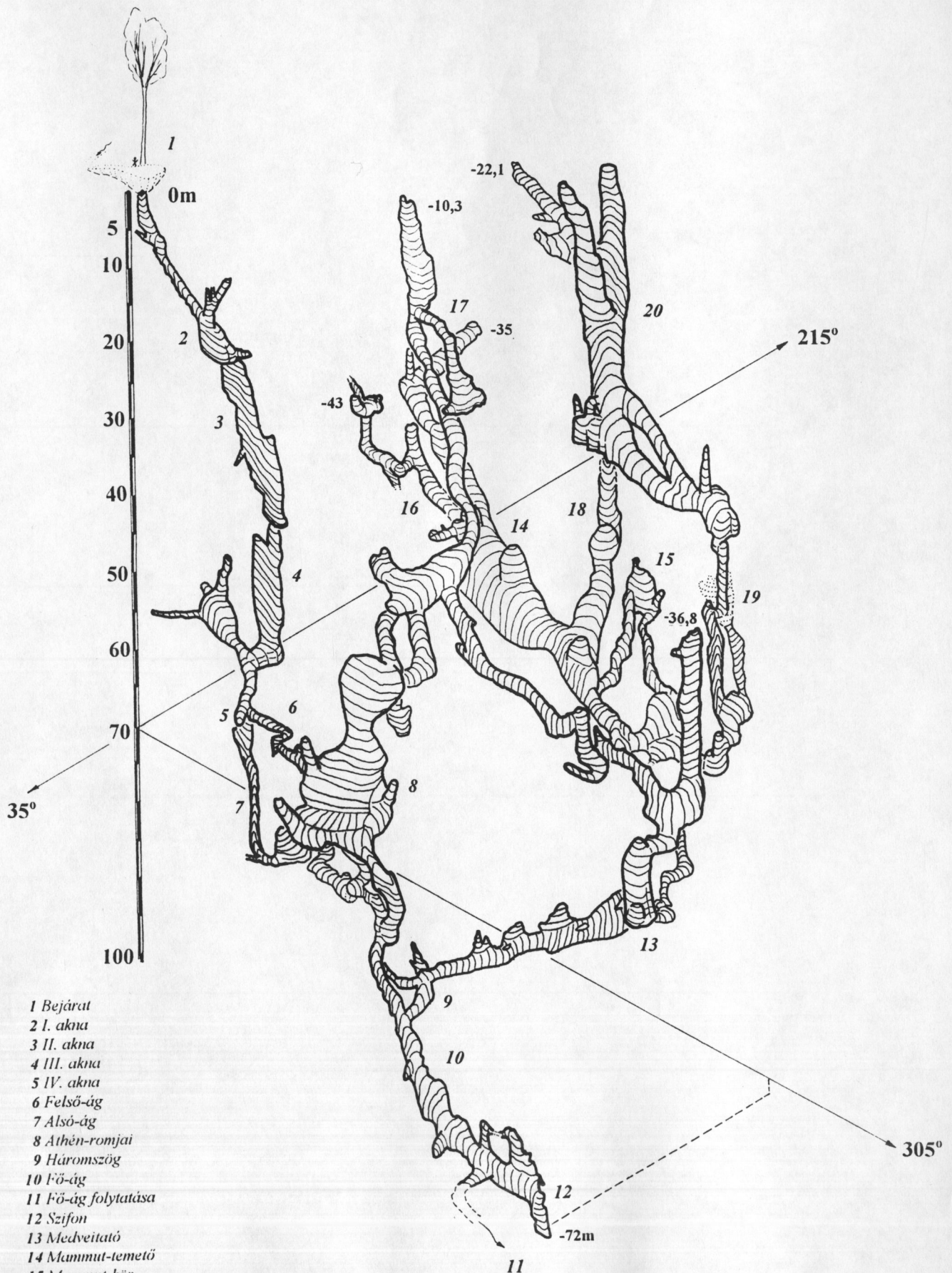
barrica del vento





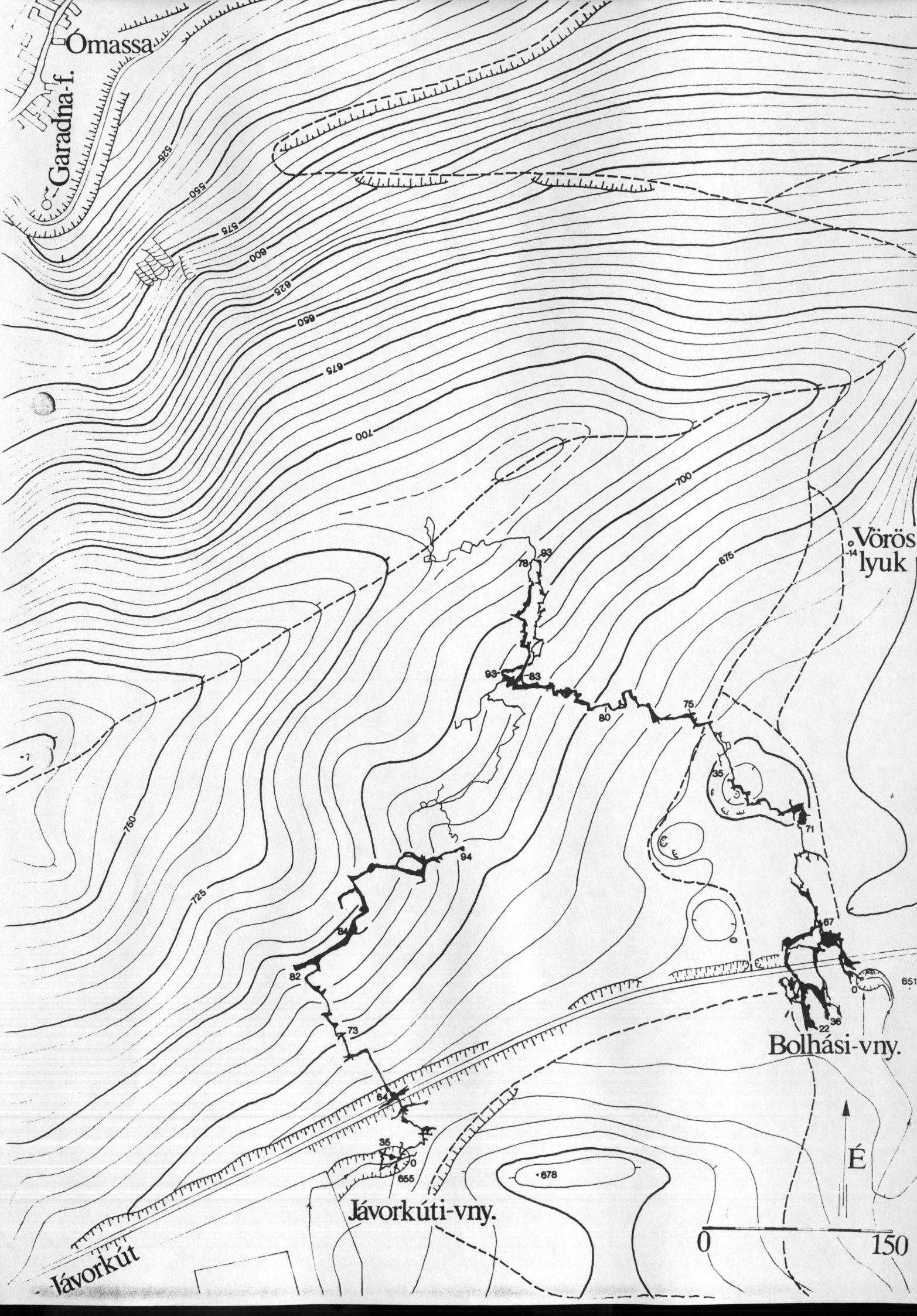
# Bolhási-víznyelőbarlang

Bejárati nyelőrendszer zónája (800 m)  
axonometrikus térrajz



- 1 Bejárat
- 2 I. akna
- 3 II. akna
- 4 III. akna
- 5 IV. akna
- 6 Felső-ág
- 7 Alsó-ág
- 8 Athén-romjai
- 9 Háromszög
- 10 Fő-ág
- 11 Fő-ág folytatása
- 12 Szifon
- 13 Medveitató
- 14 Mammut-temető
- 15 Mammut-kör
- 16 Vasút
- 17 Ágyó-terem
- 18 Katalin-terem
- 19 Gyöngy-terem
- 20 Lengyel-Magyar Barátság-terem

Felmérte: BEAC  
Rajz: Nyerges A. 1997



Ómassa

Garadna-f.

Vöröslyuk

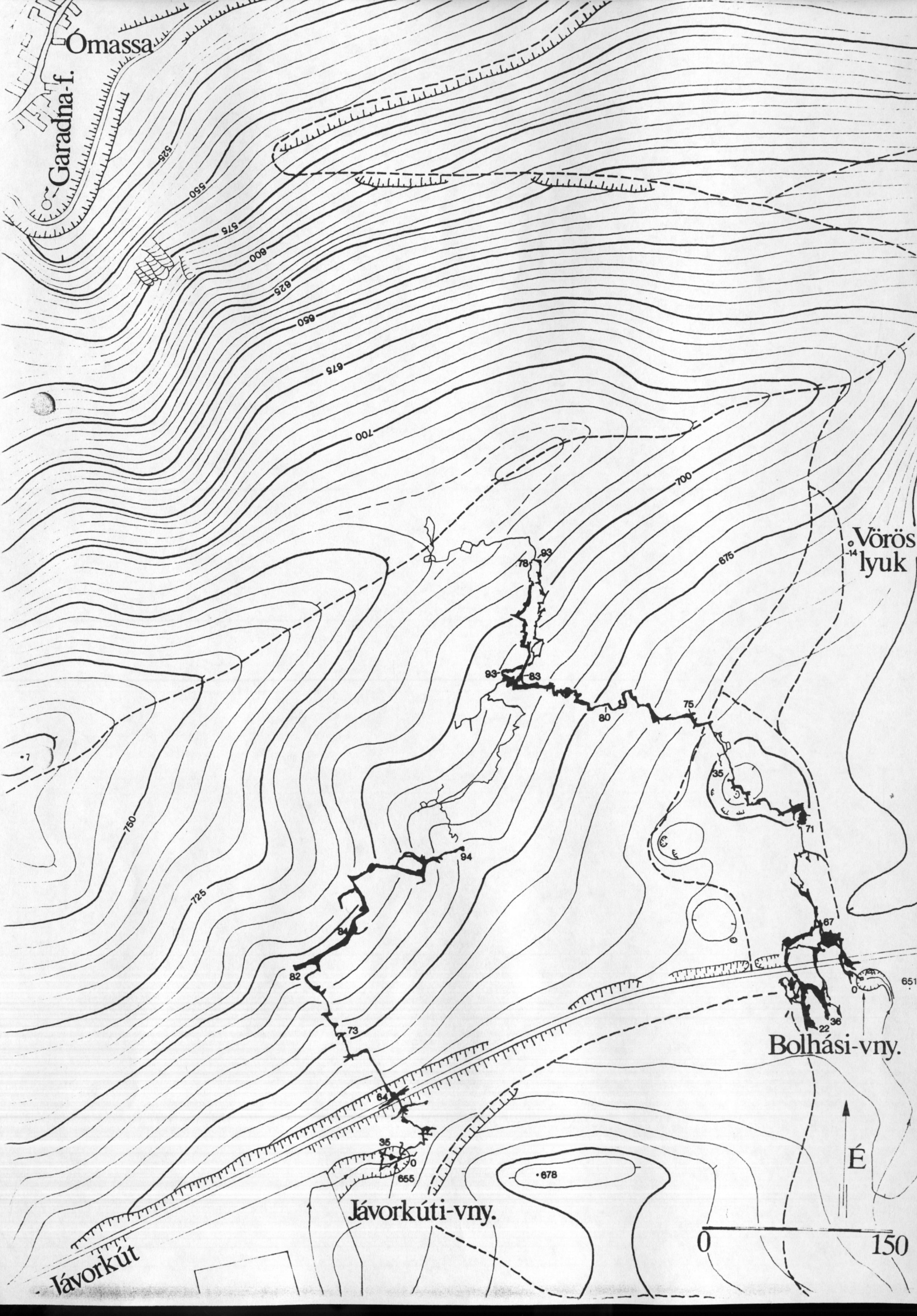
Bolhási-vny.

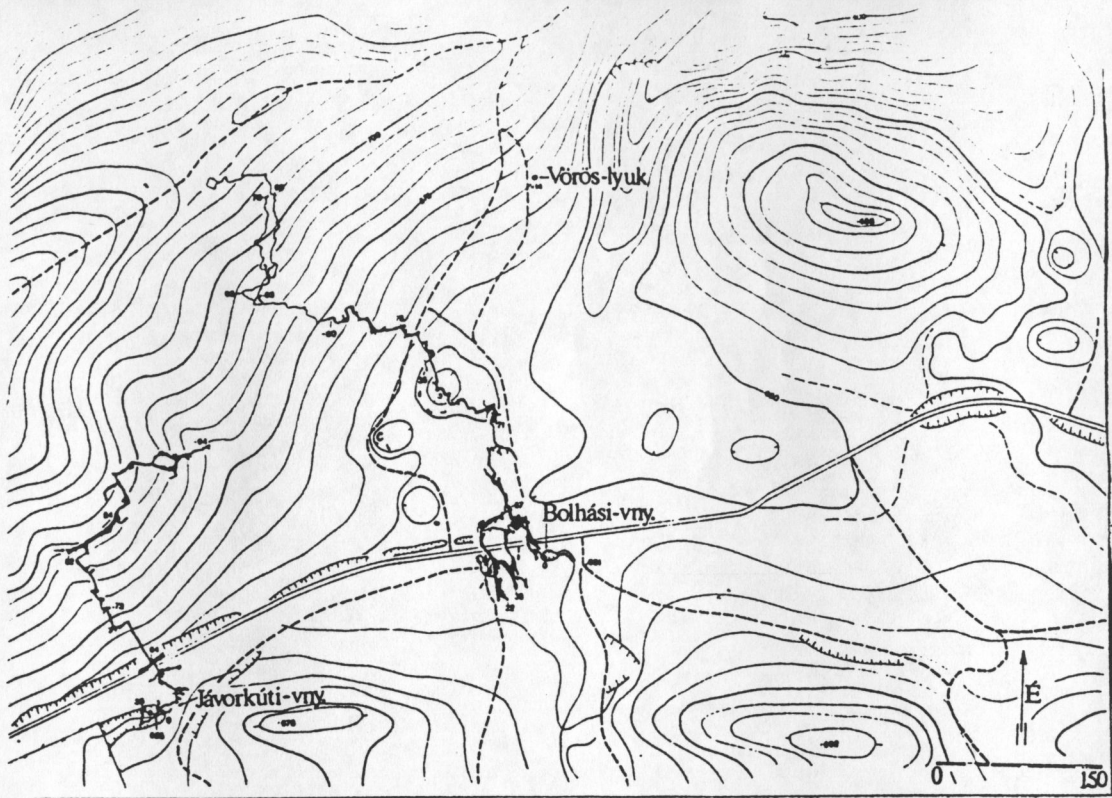
Jávorkúti-vny.

Jávorkút

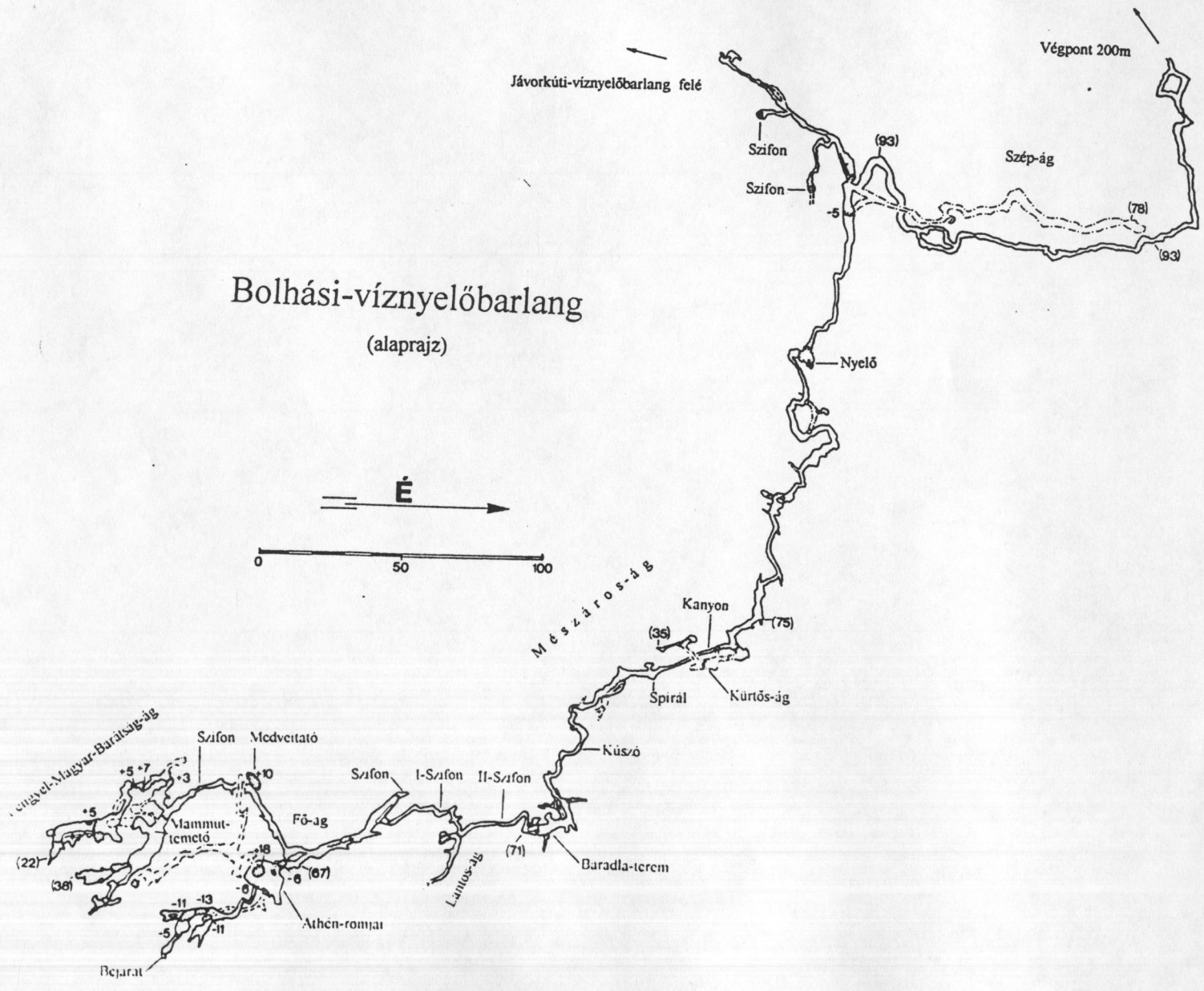
É

0 150





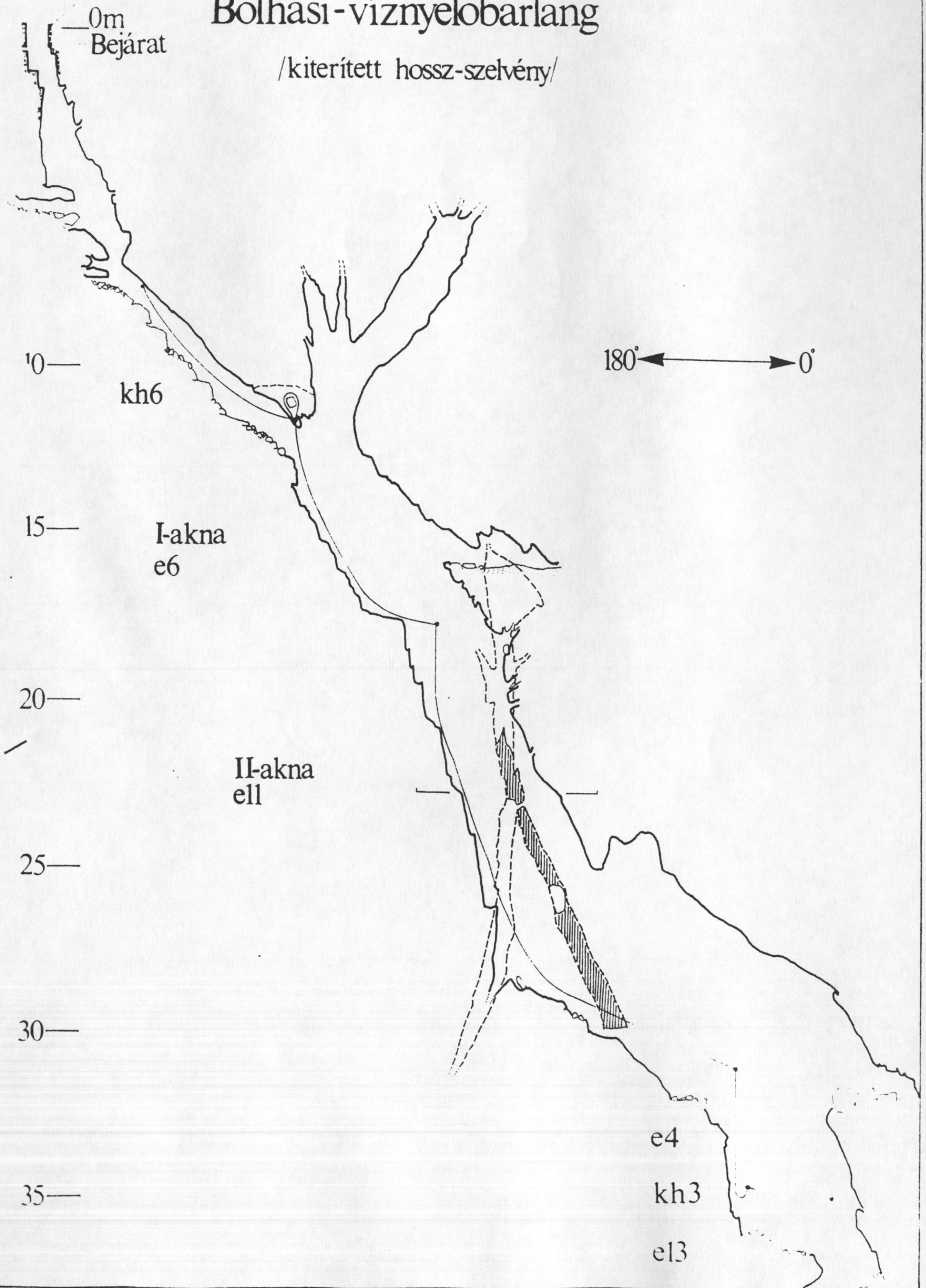
### Bolhási-víznyelőbarlang (alaprész)



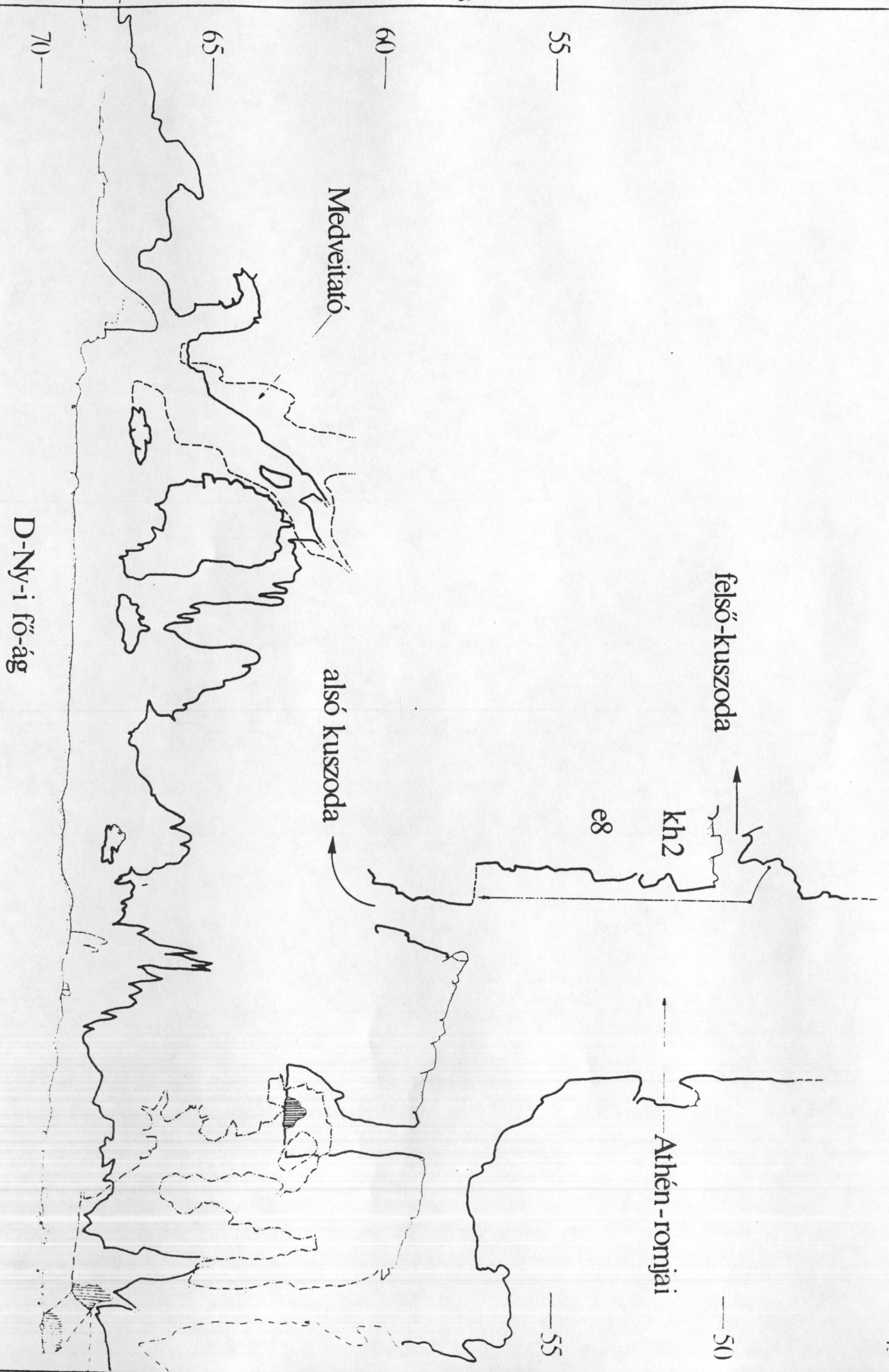


# Bolhási-víznyelőbarlang

/kiterített hossz-szelvény/



2



felső-kuszoda

kh2

e8

alsó kuszoda

Medveitató

Athén-romjai

D-Ny-i fő-ág

70—

65—

60—

55—

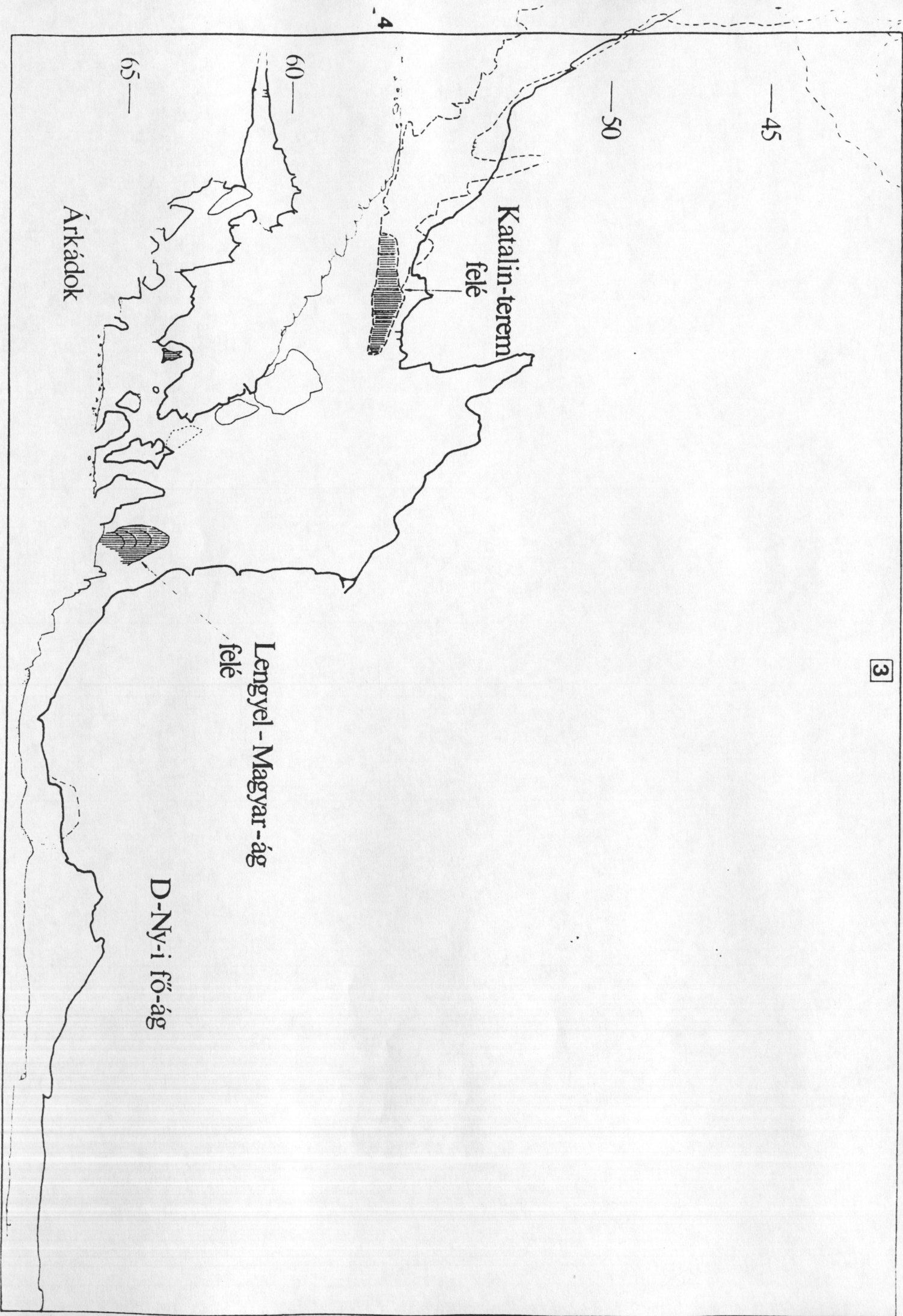
—45

—50

—55

5

3



—45

—50

60—

65—

Katalin-terem  
felé

Lengyel - Magyar-ág  
felé

Árkádok

D-Ny-i fő-ág

4

Ágyó-terem

35—

40—

45—

50—

55—

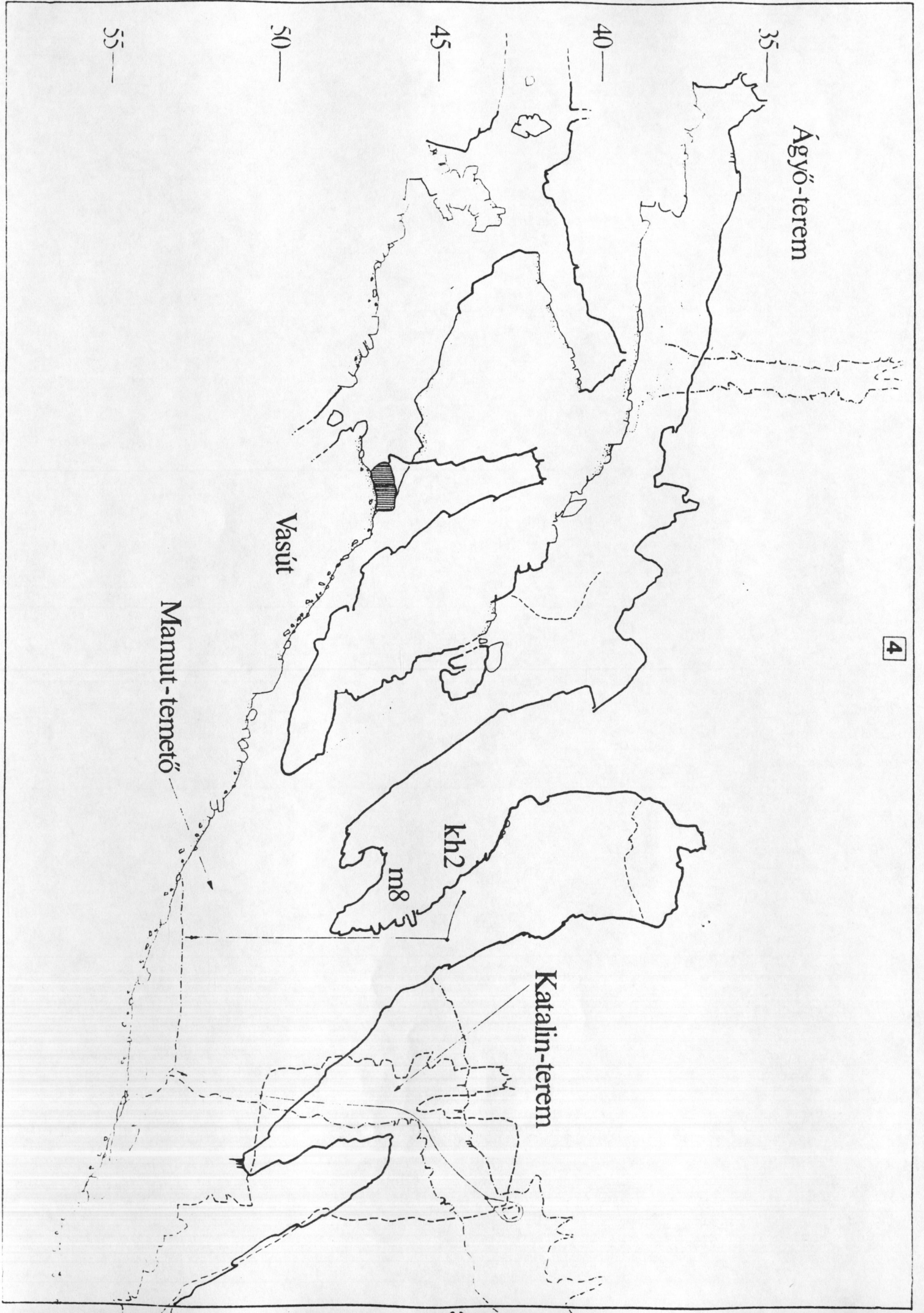
Vasút

Mamut - temető

kh2

m8

Katalin-terem



55—

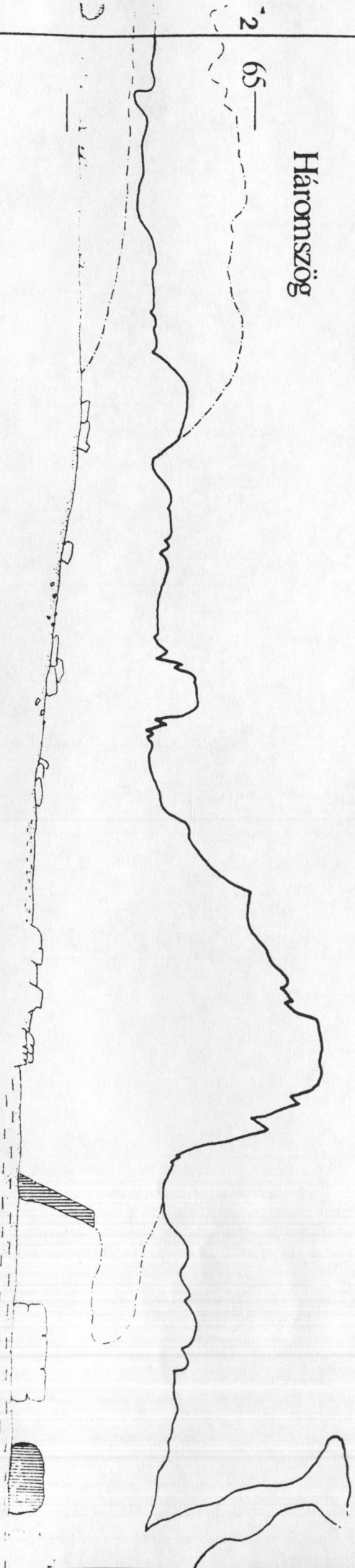
60—

Háromszög

É-Ny-i fő-ág

2 65—

75—

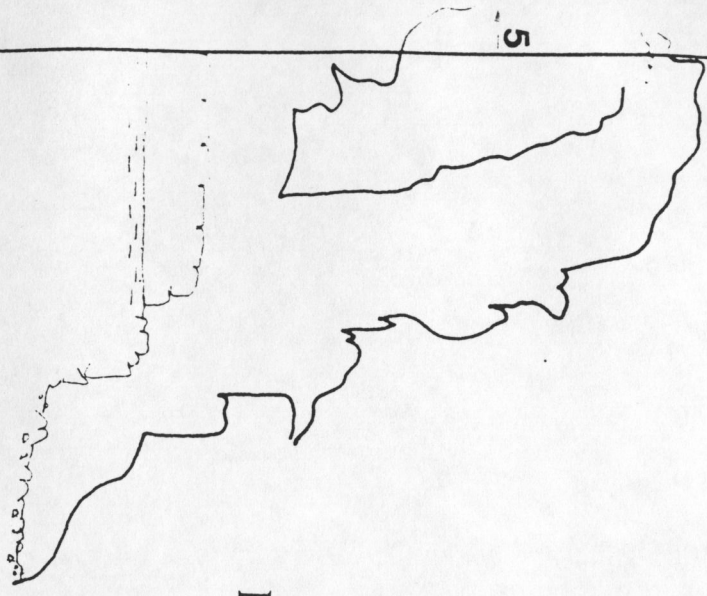


55—

60—

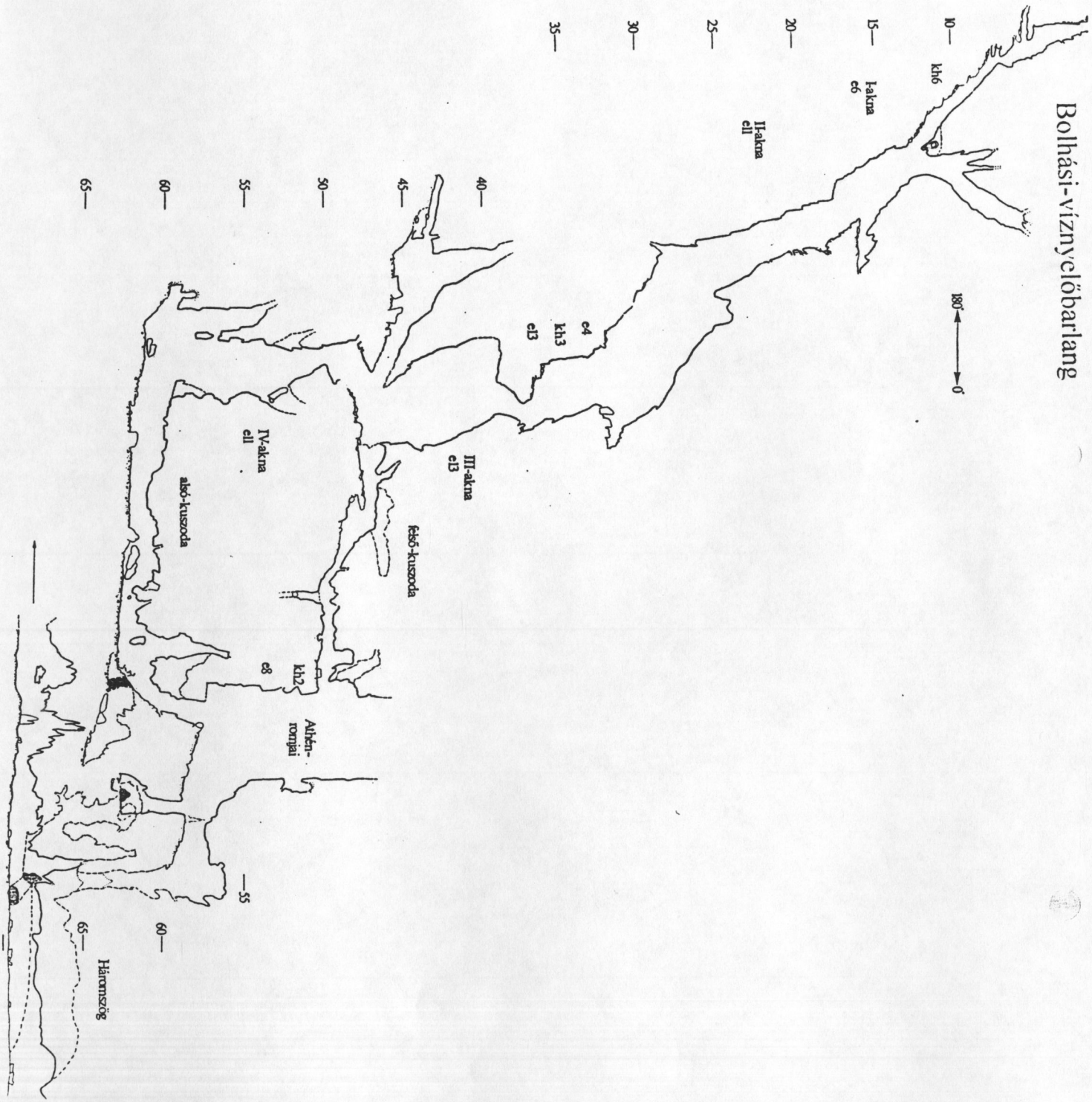
5

I-es szifon



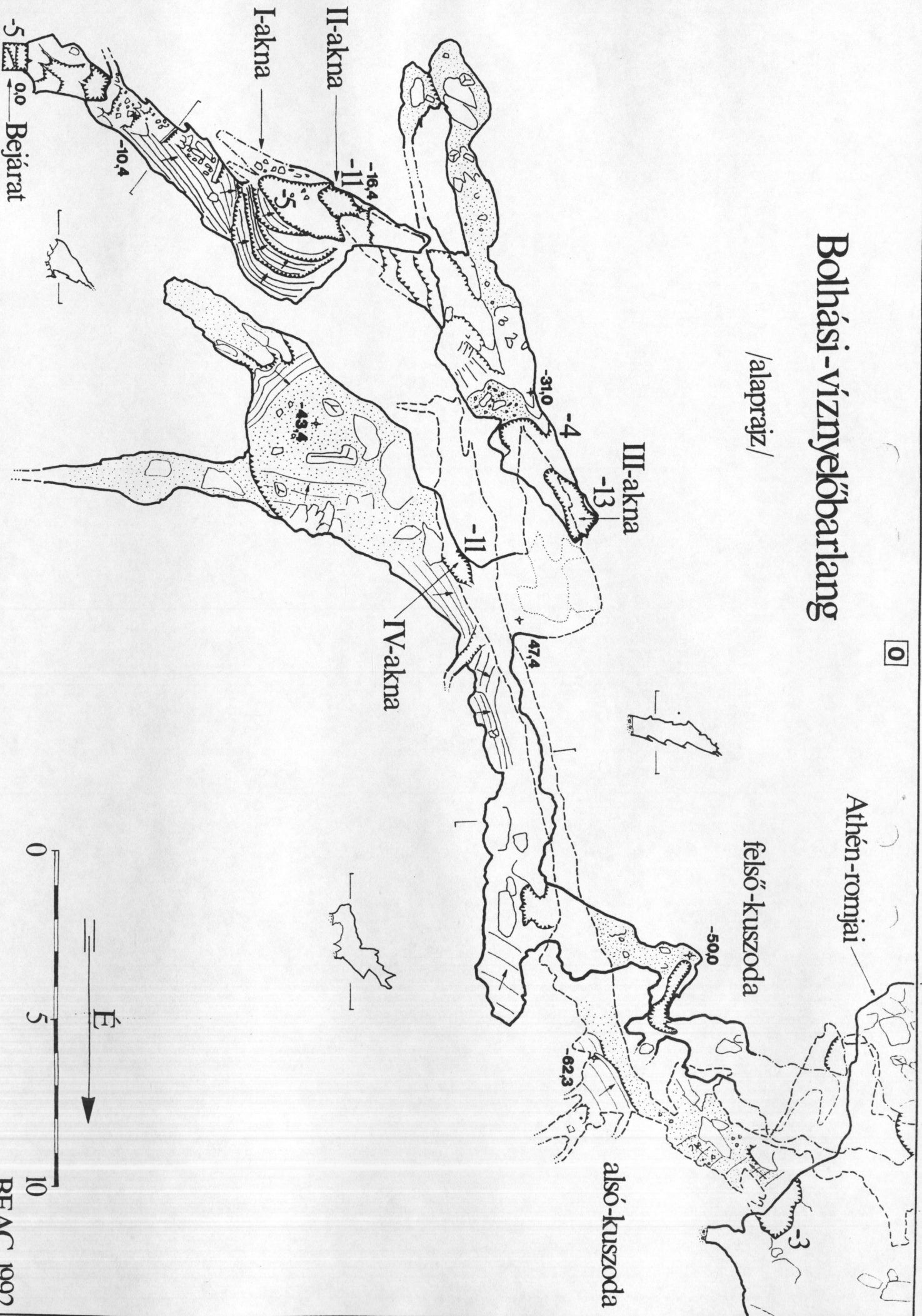
75—

# Bolhási-viznyelöbarlang

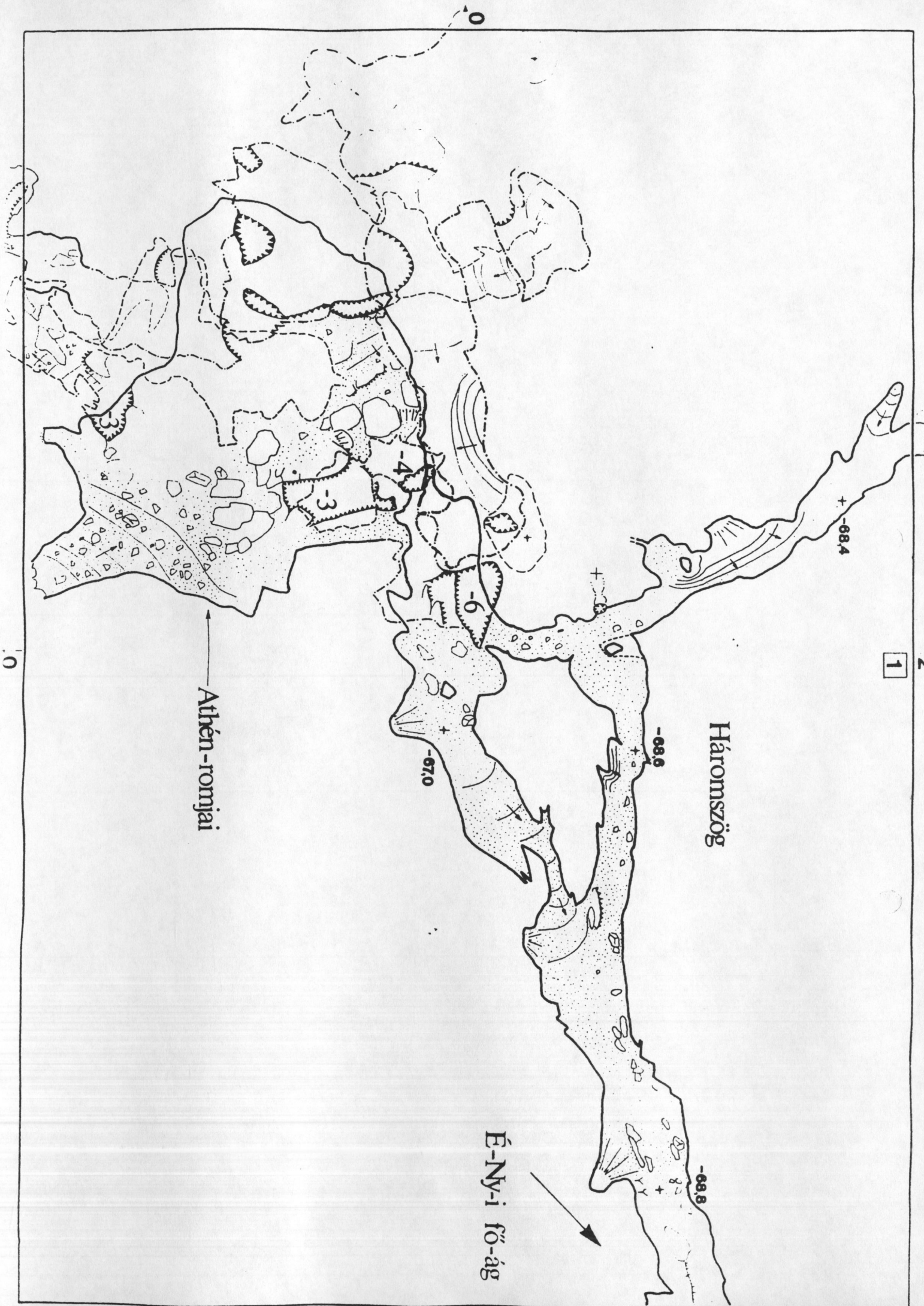


# Bolhási-víznyelőbarlang

/alaprész/







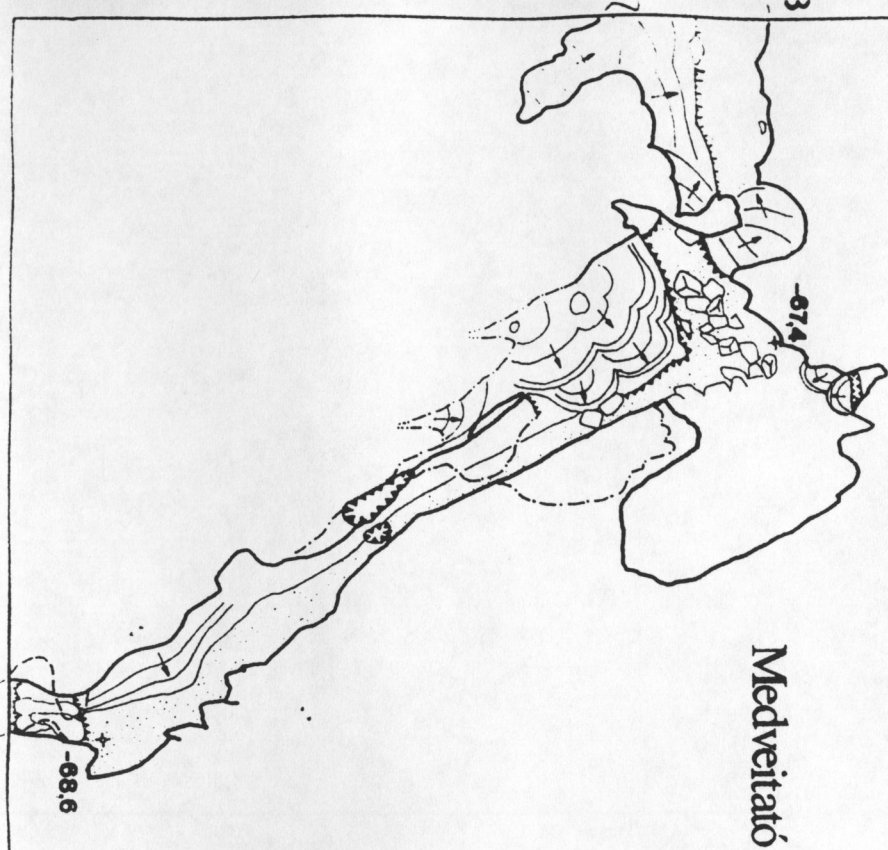
Athen-romjai

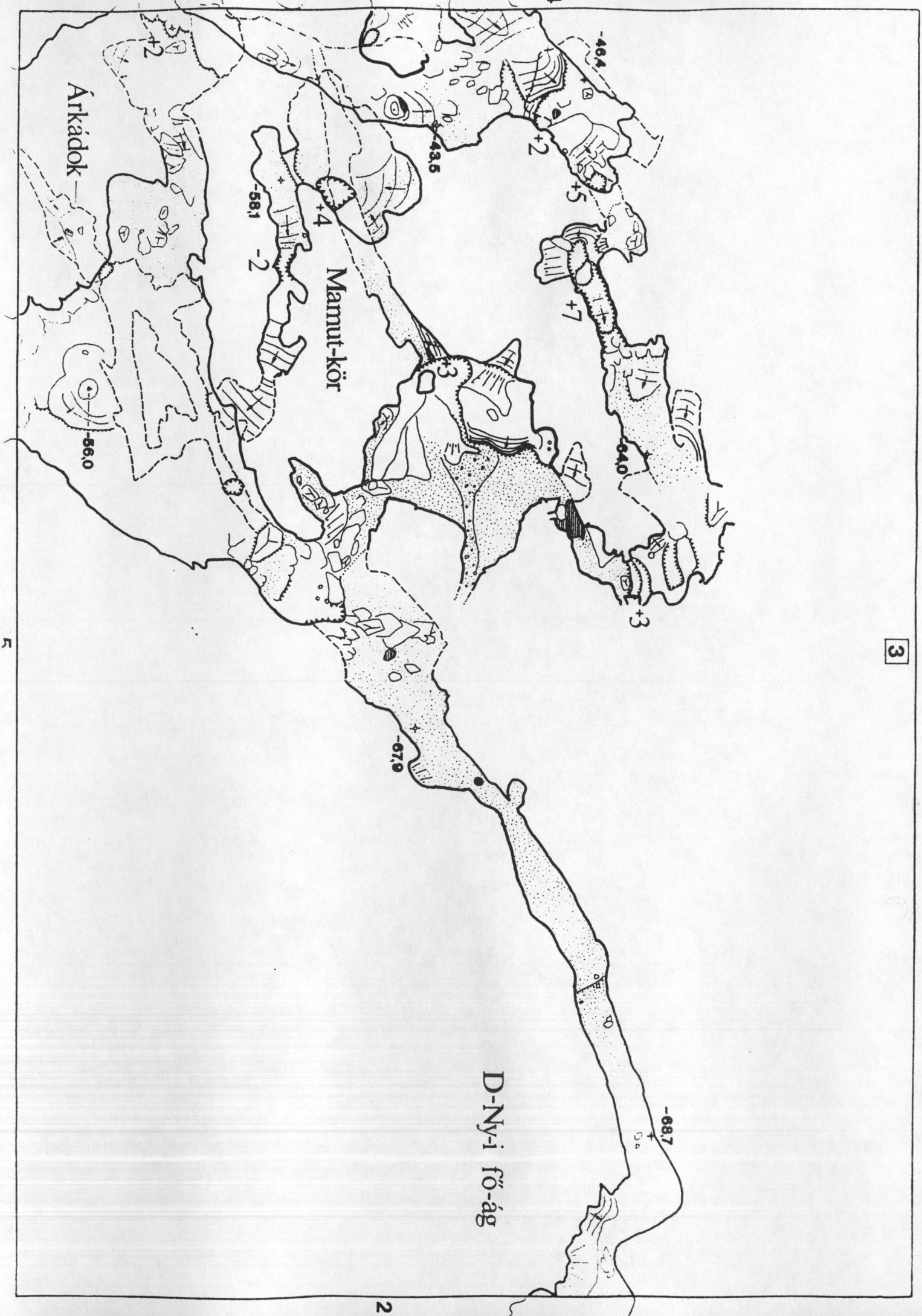
Háromszög

É-Ny-i fő-ág

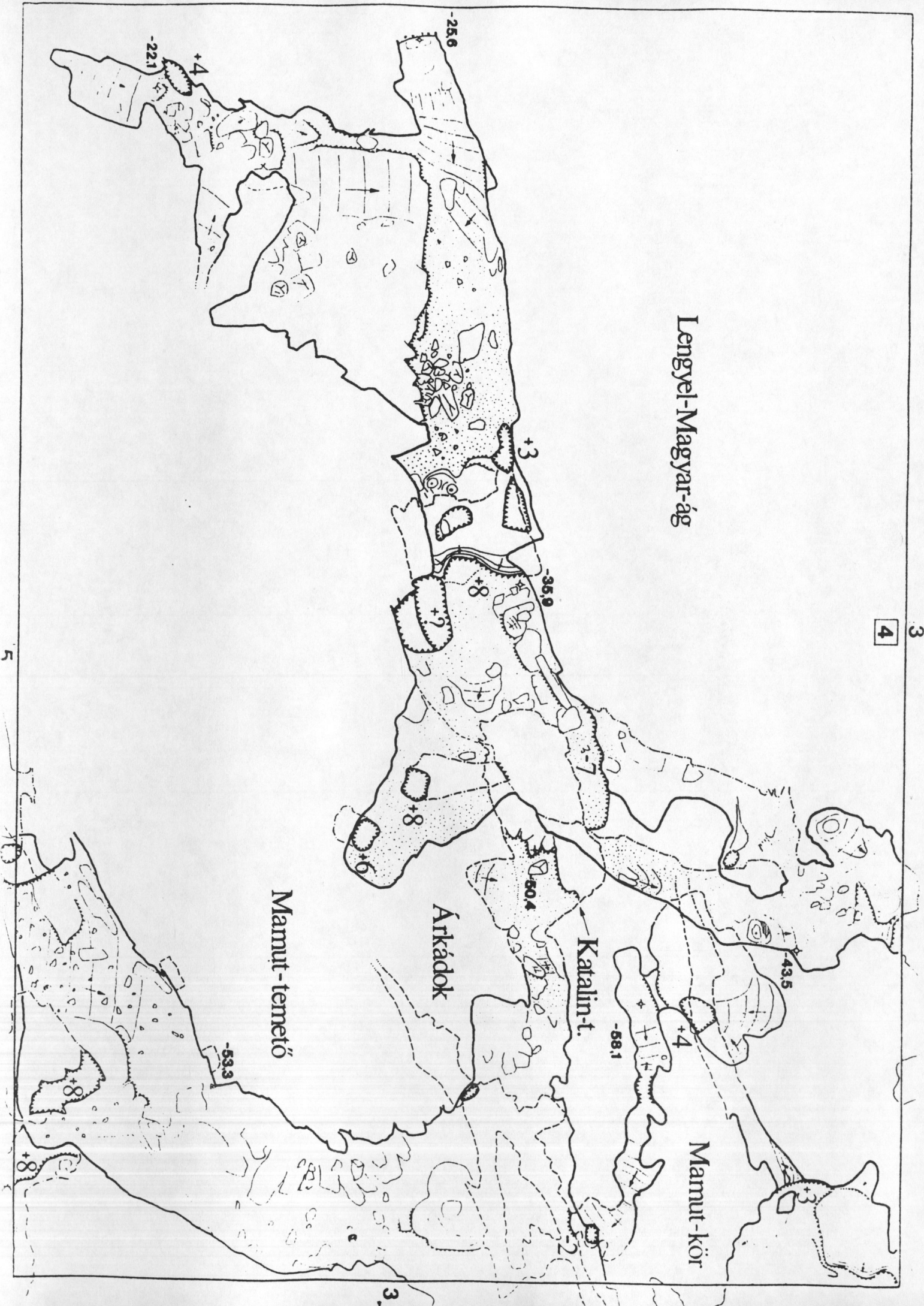
1

2





Lengyel-Magyar-ág

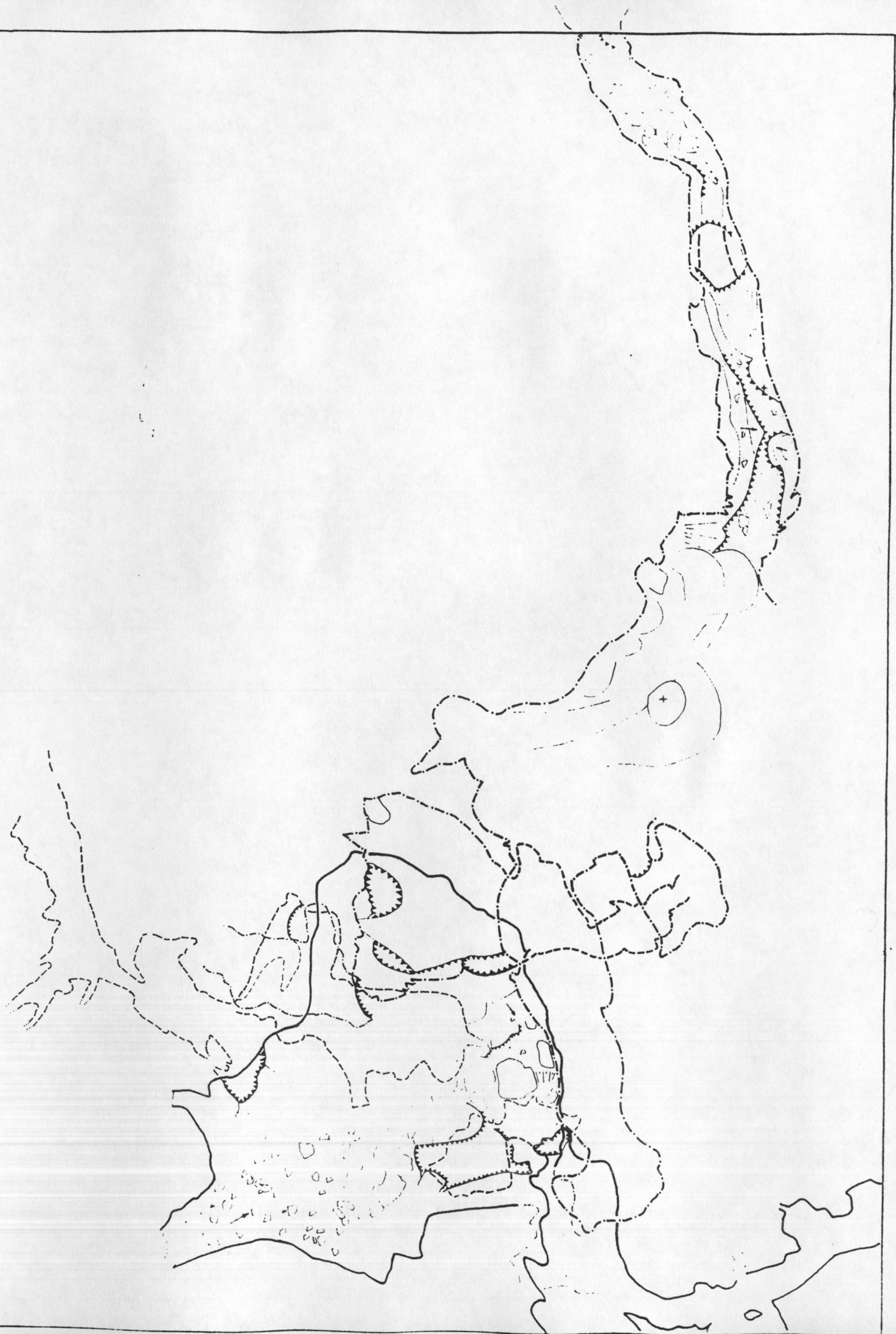


Mamut - temető

Árkádok

Katalin-t.

Mamut-kör

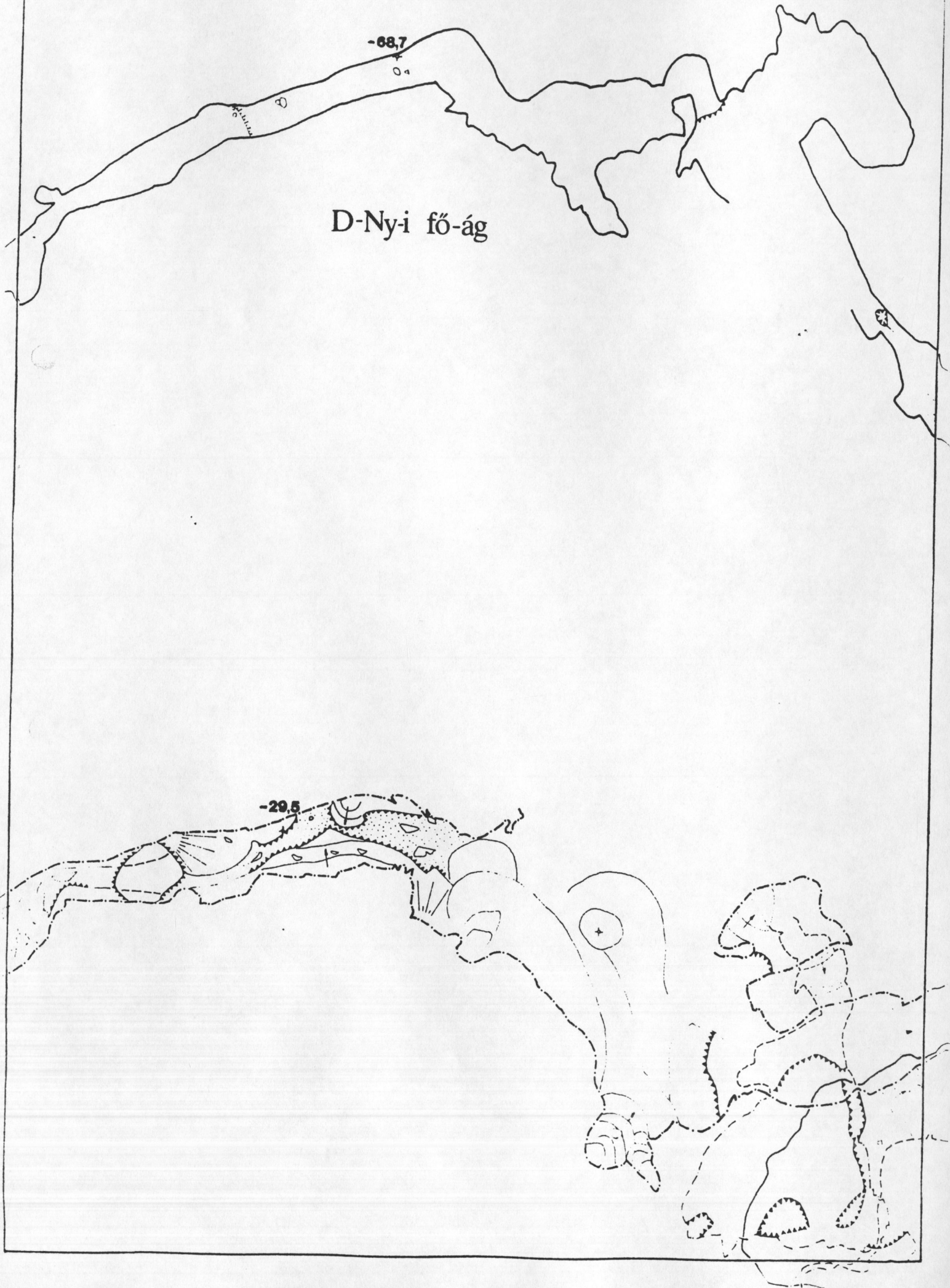


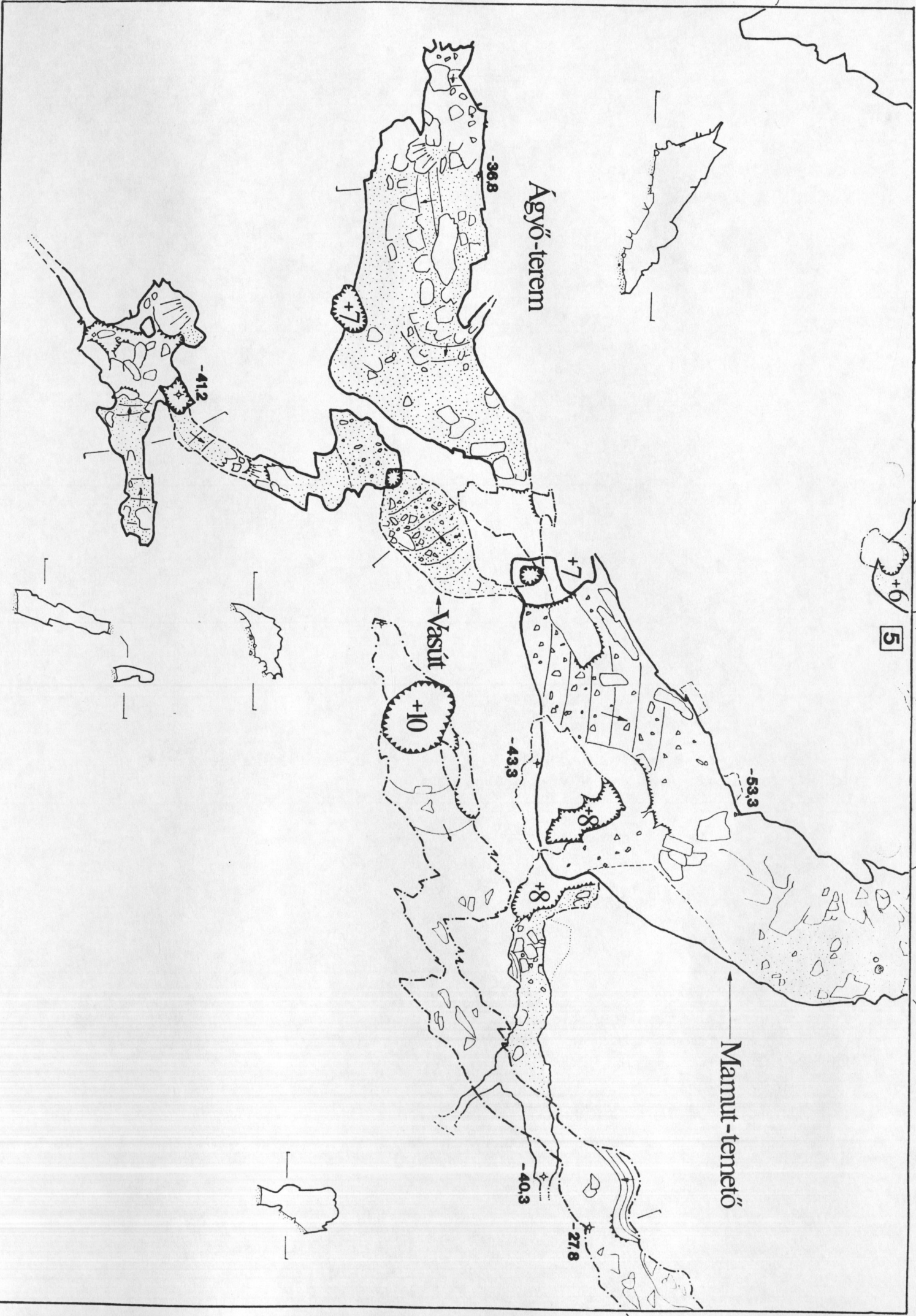
Medveitató

-68,7

D-Nyi fő-ág

-29,5

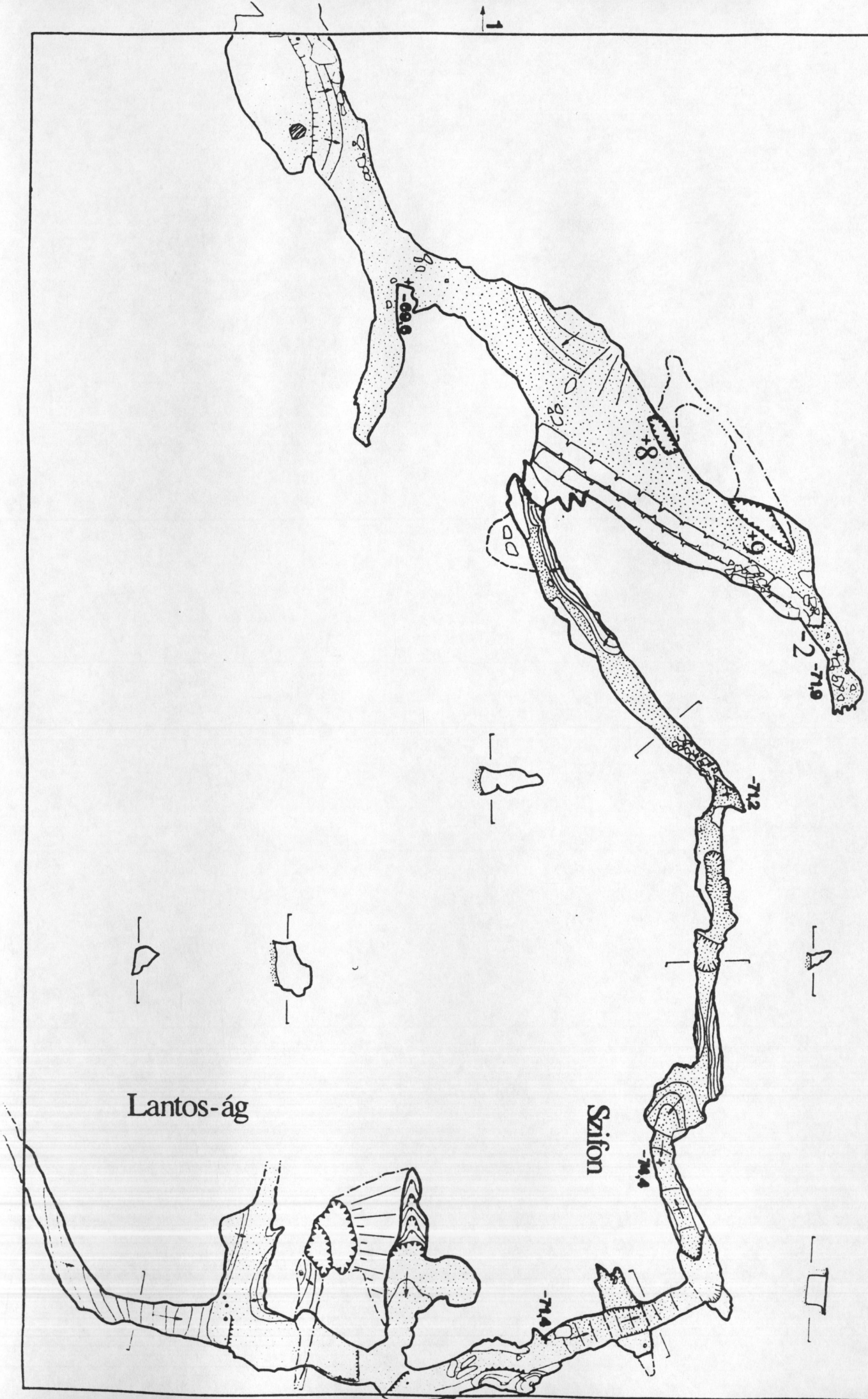




I-szifon

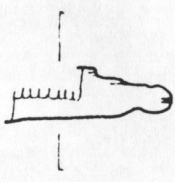
Szifon

Lantos-ág





-70.5

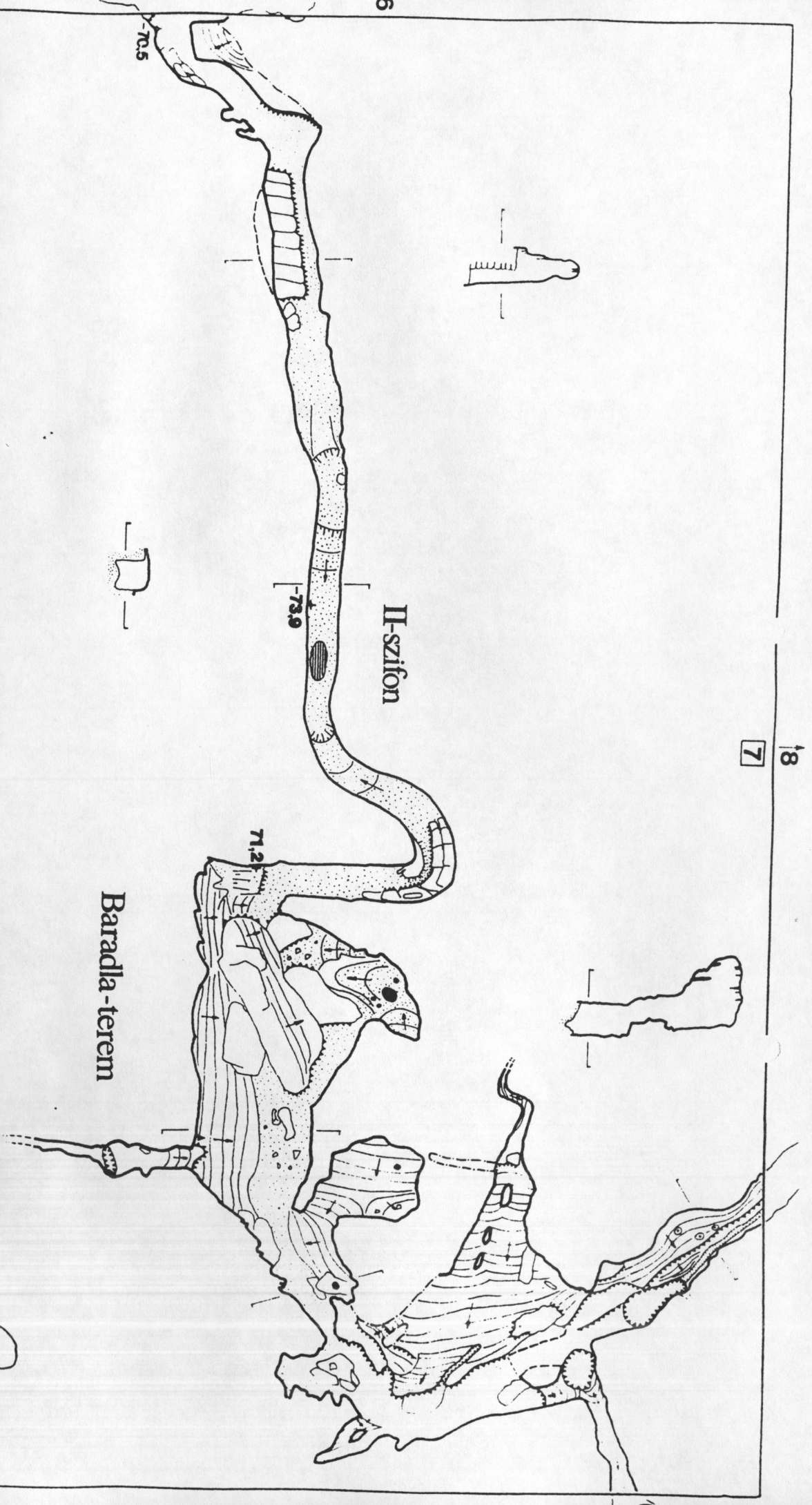
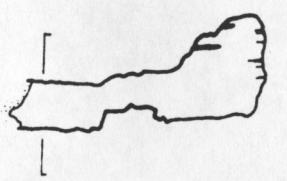
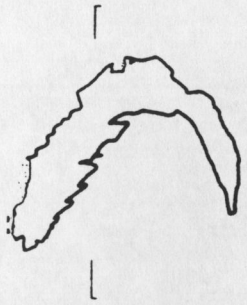


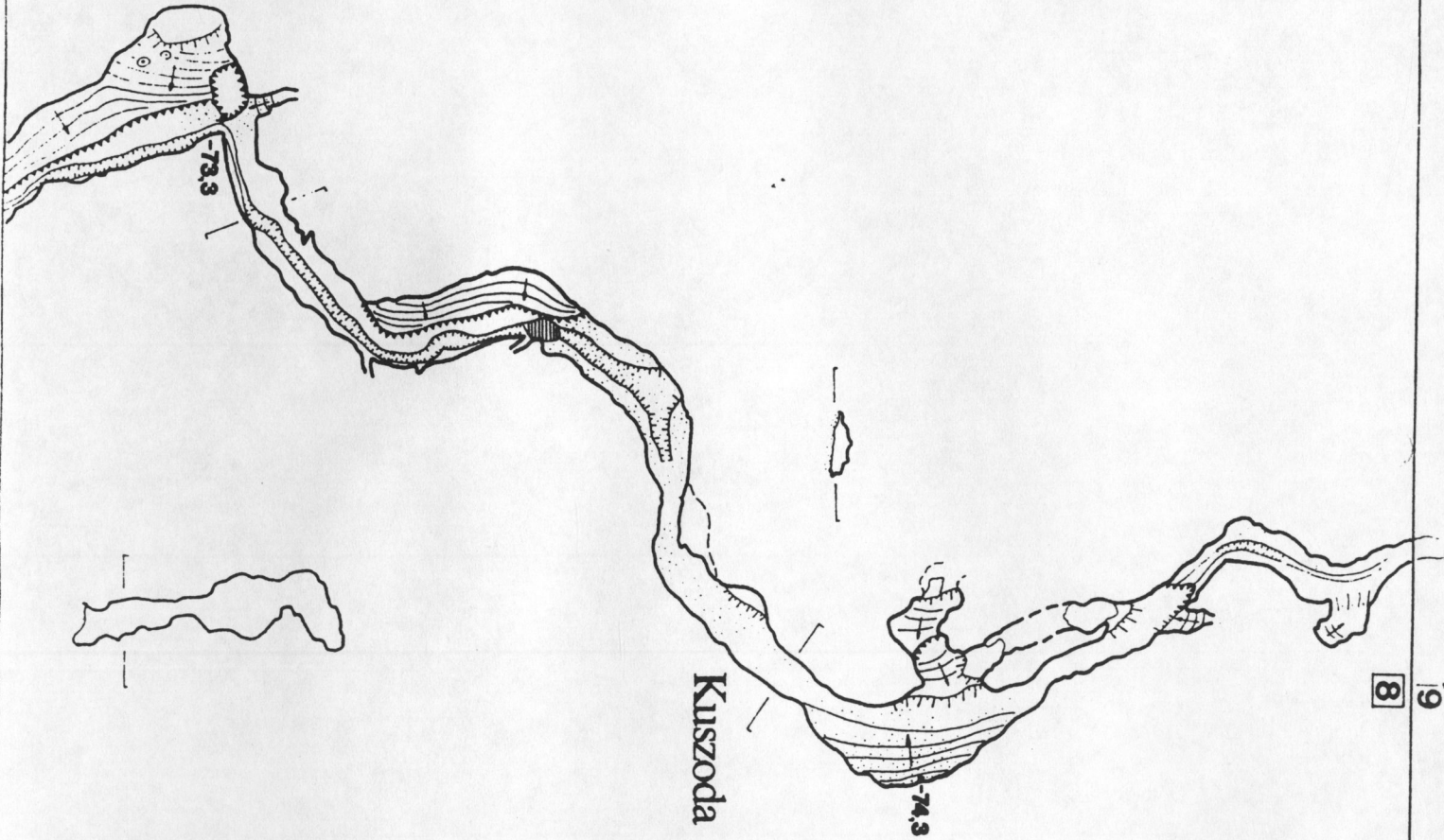
-73.9

II-szifon

71.2

Baradla-terem





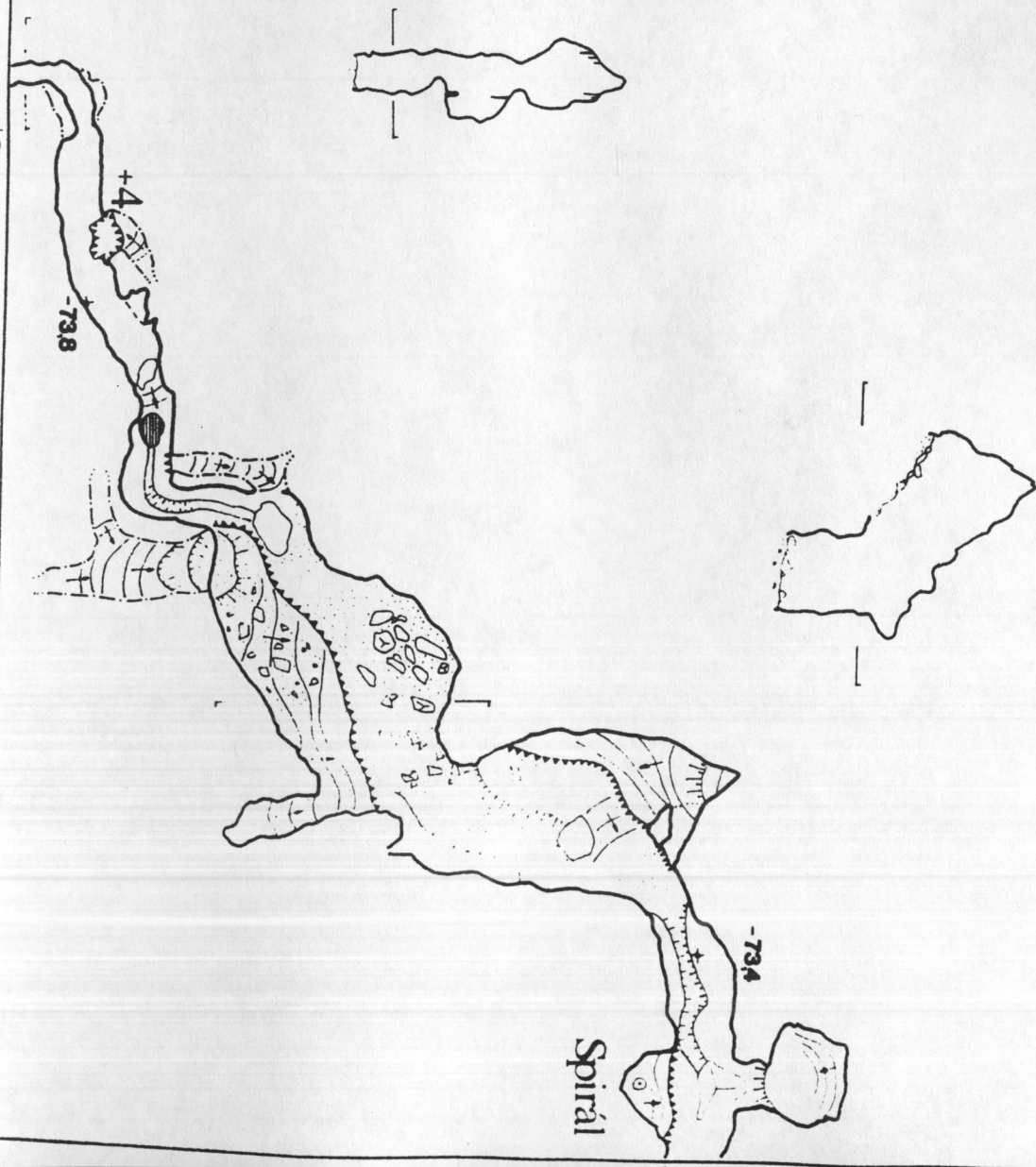
-73.3

Kuszoda

-74.3

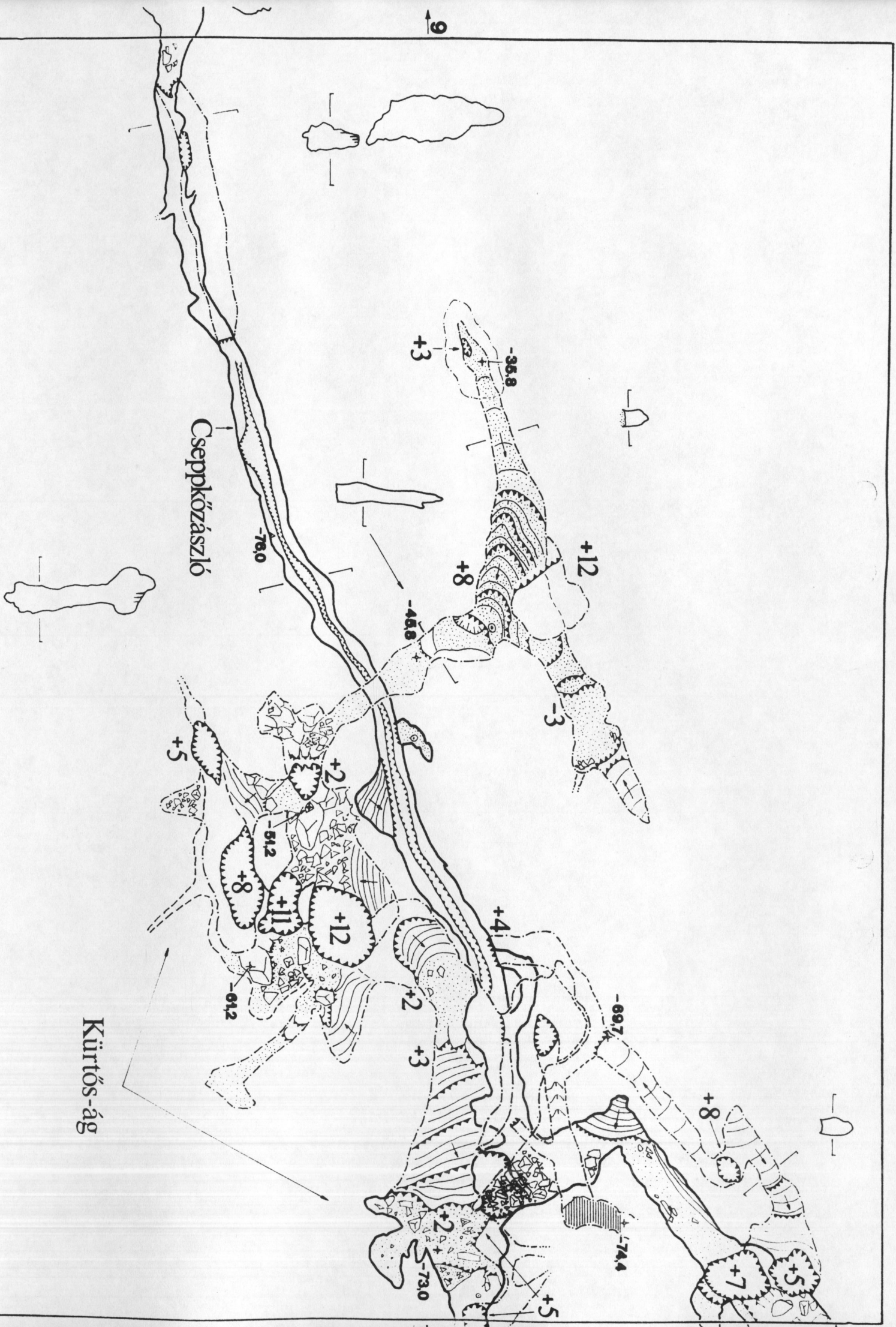
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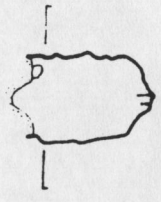
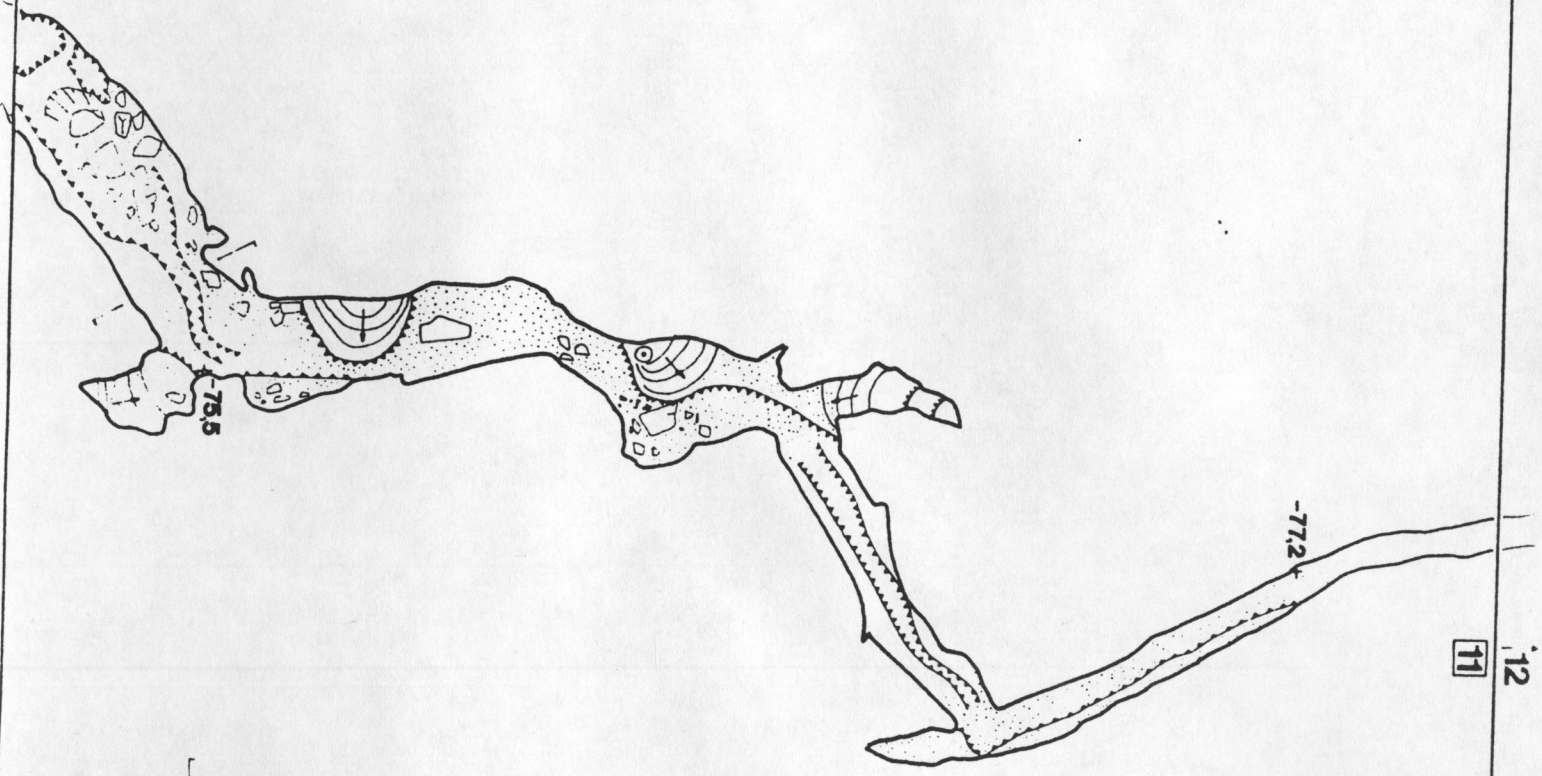
9

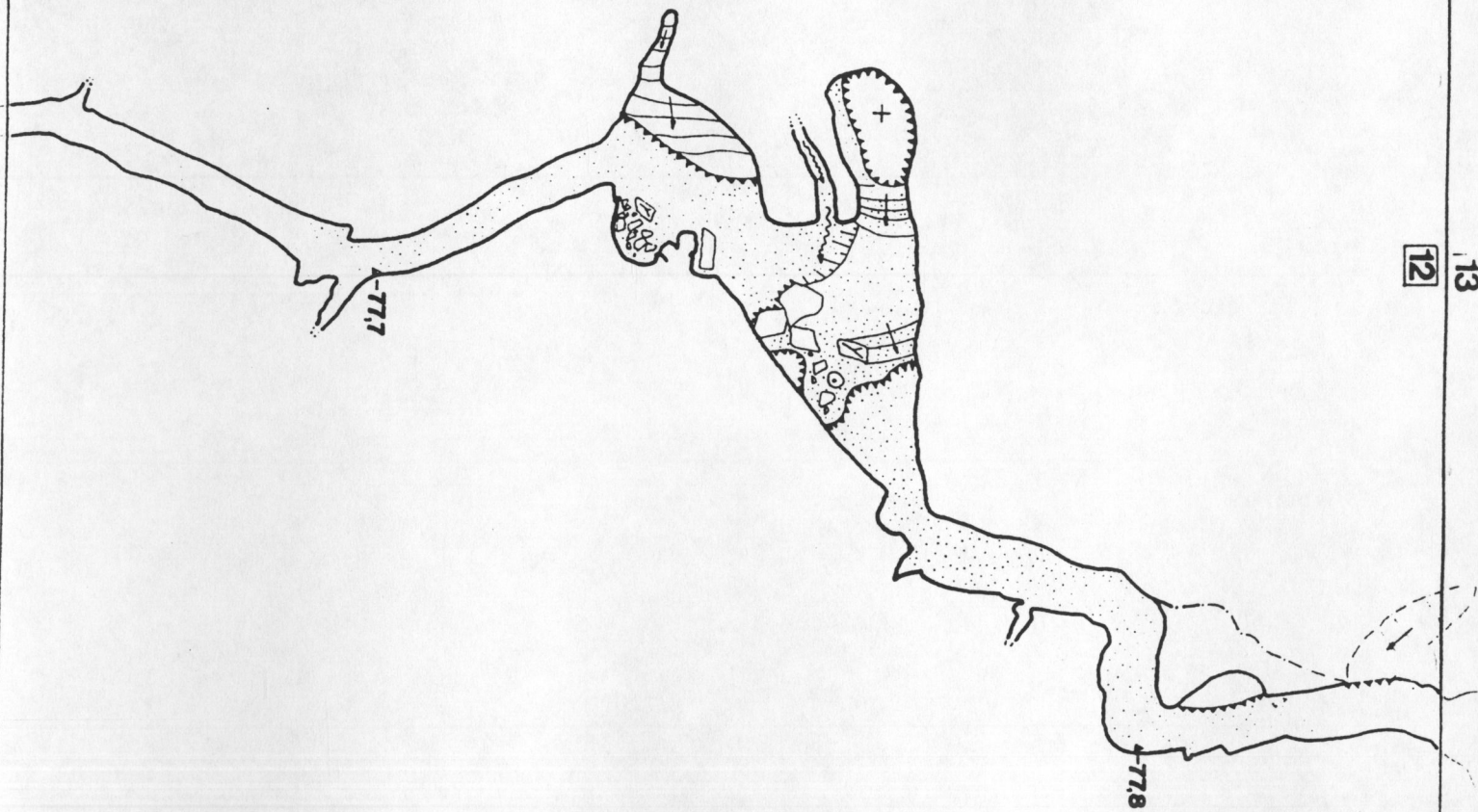


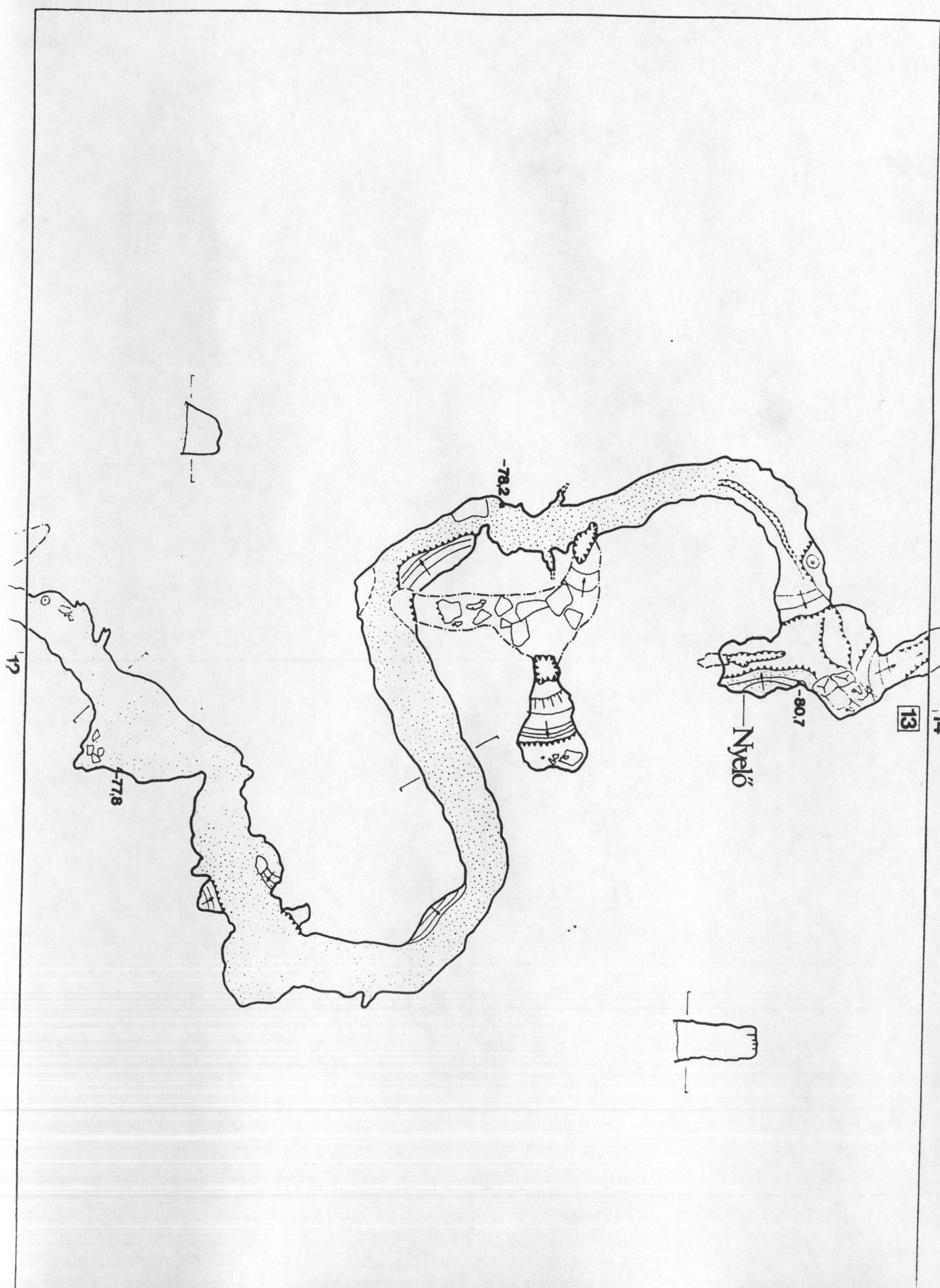
Cseppkőzászló

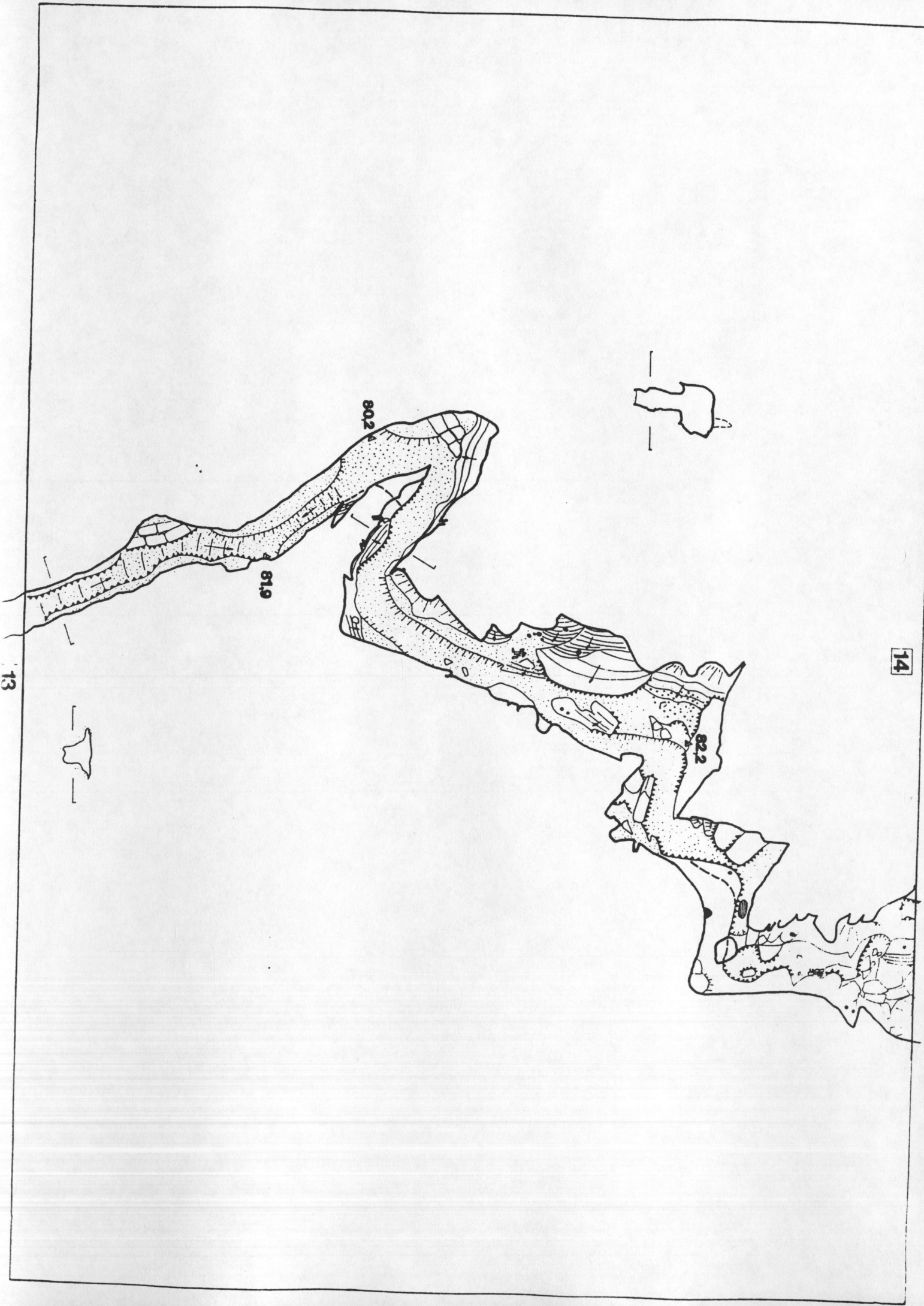
Kürtös-ág







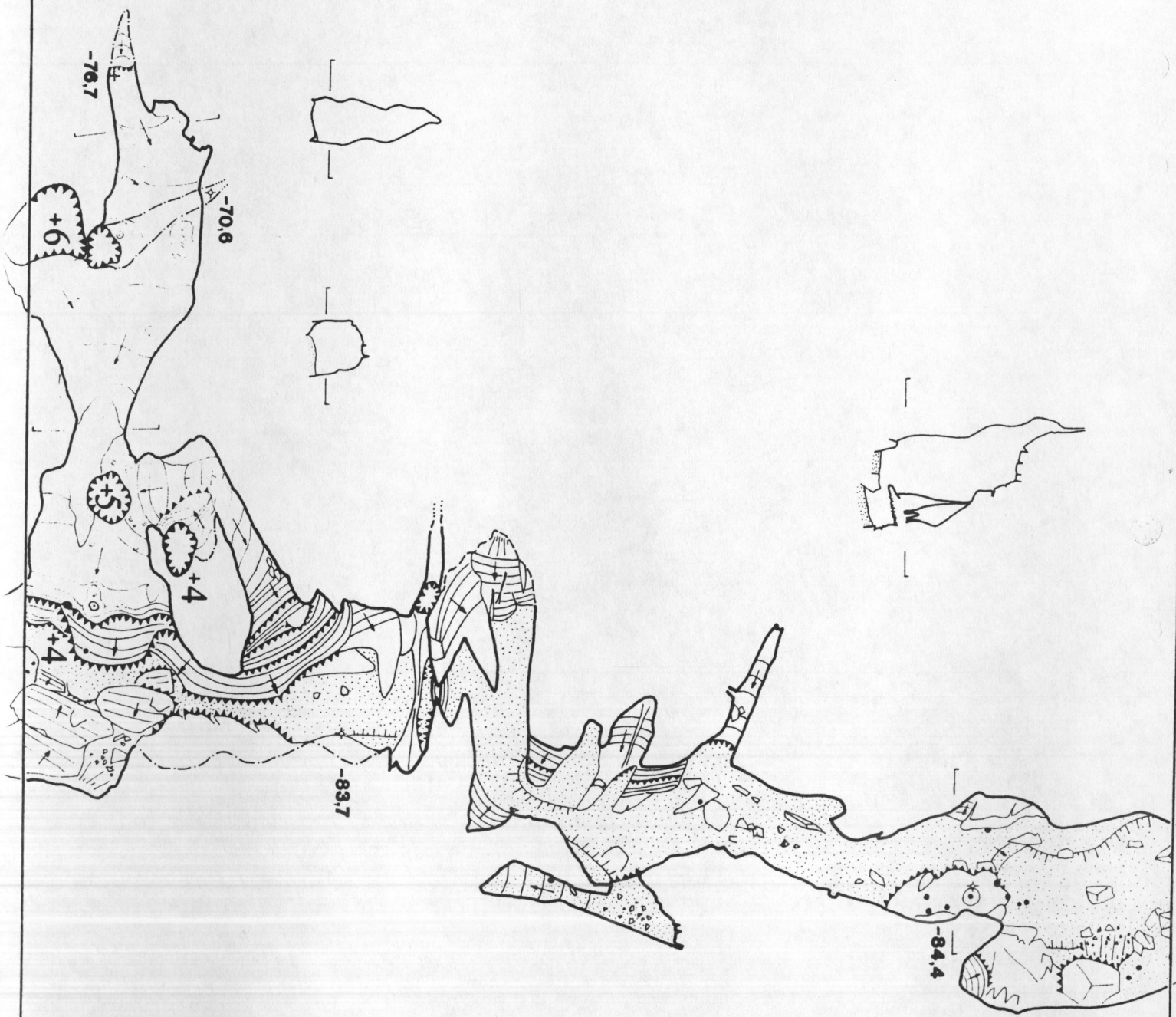


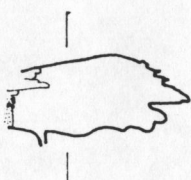
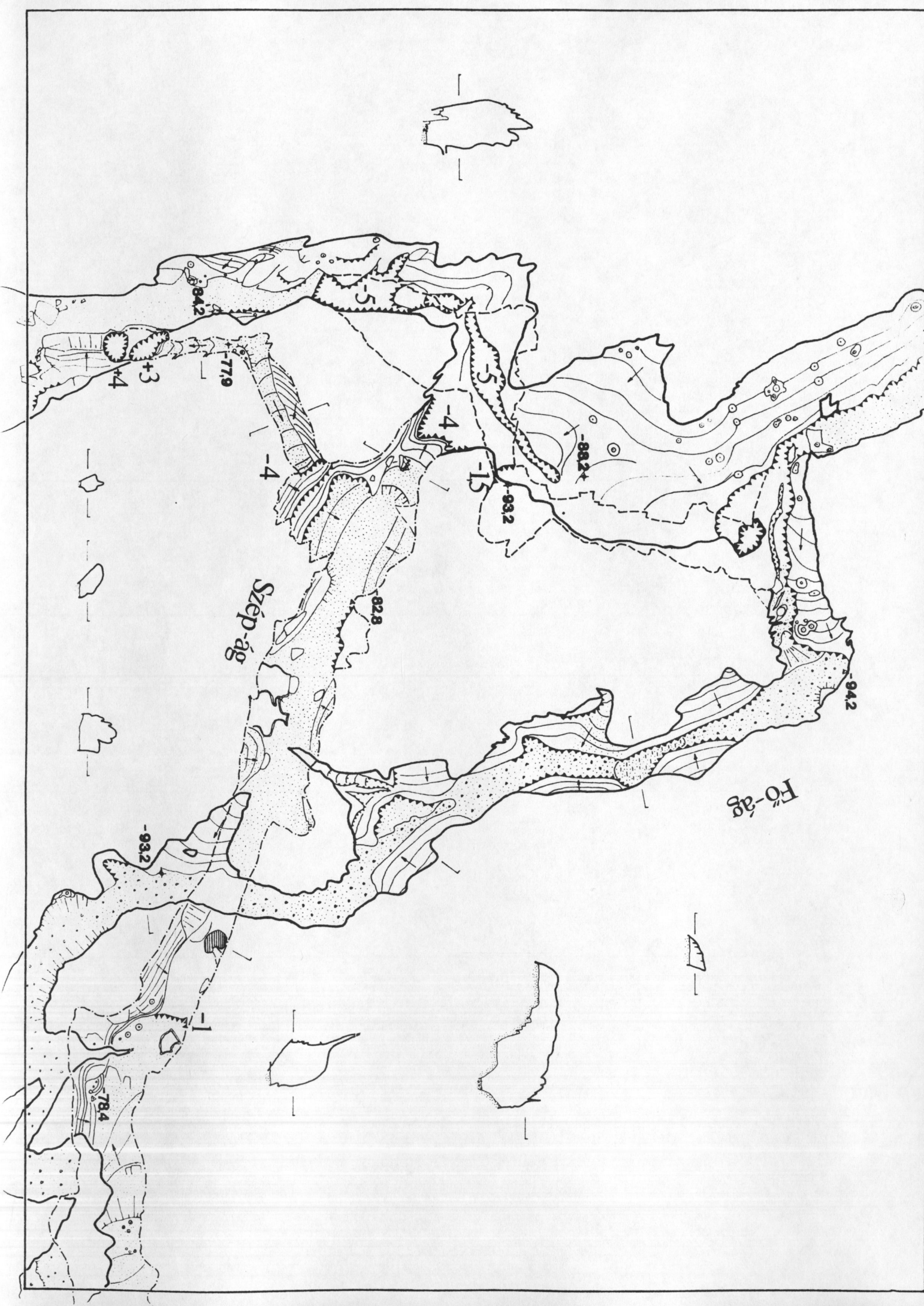


13

14







842

+3  
+4

779

-4

-4

-15

-932

932

Sze-p-ag

828

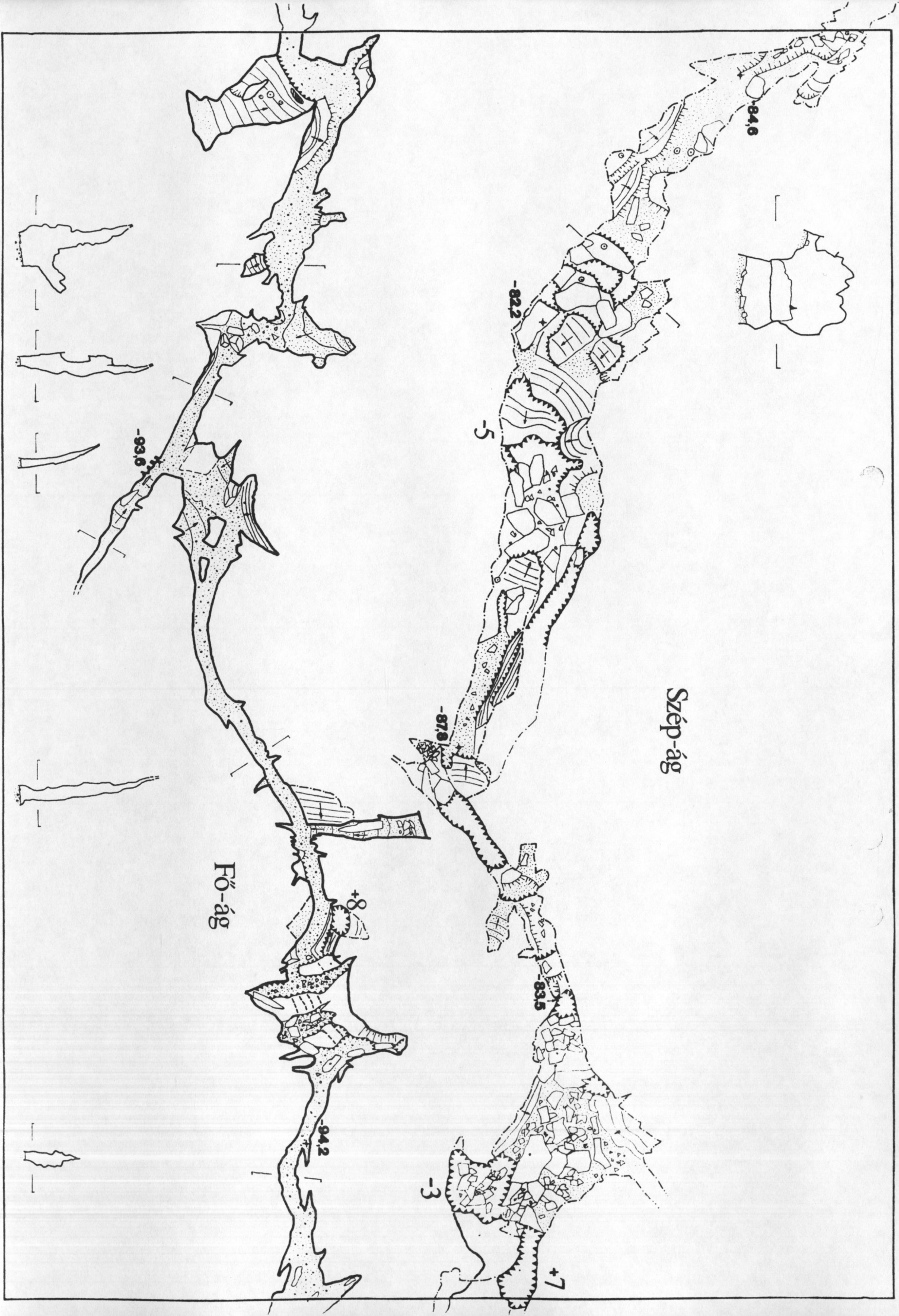
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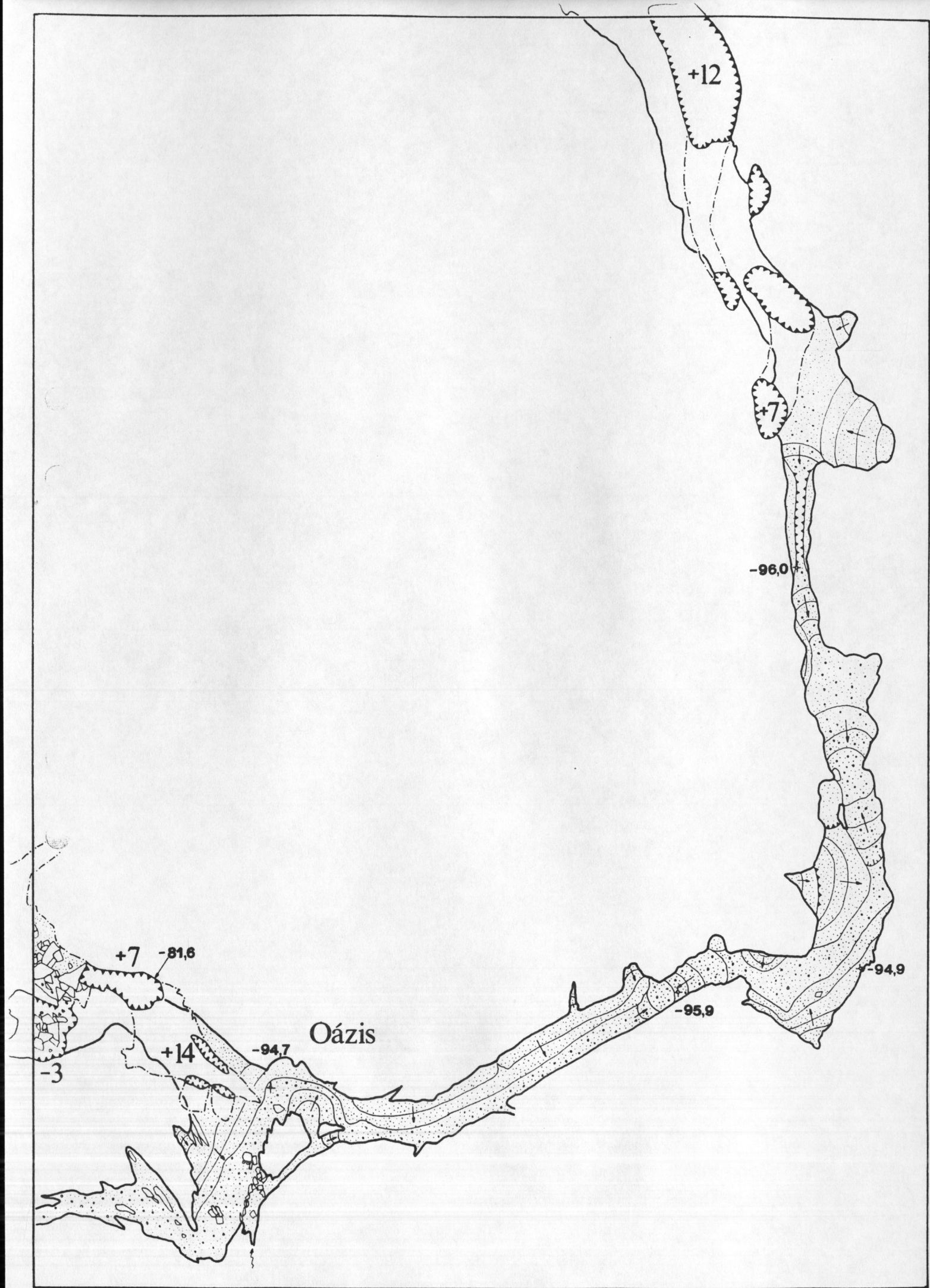
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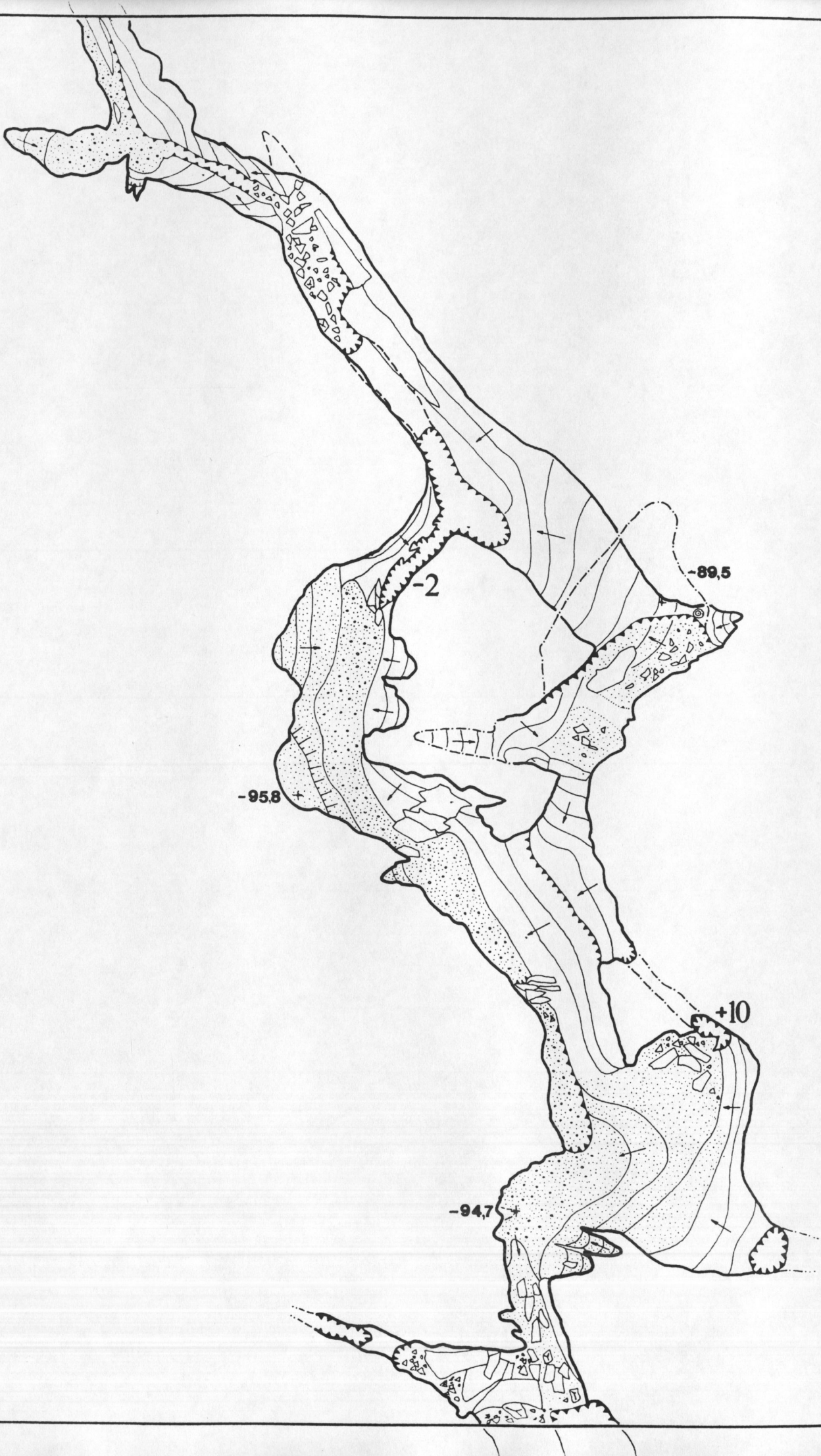
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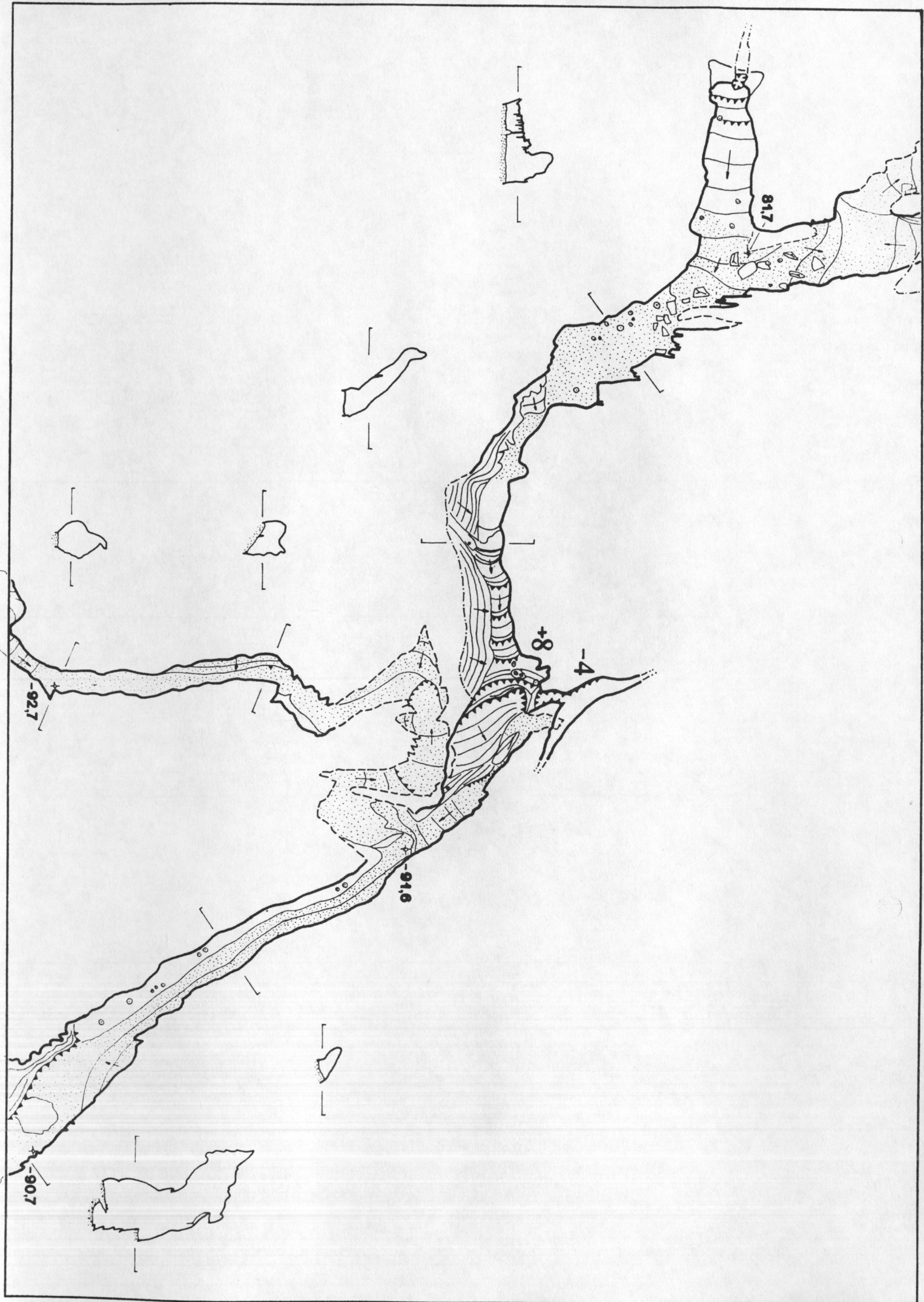
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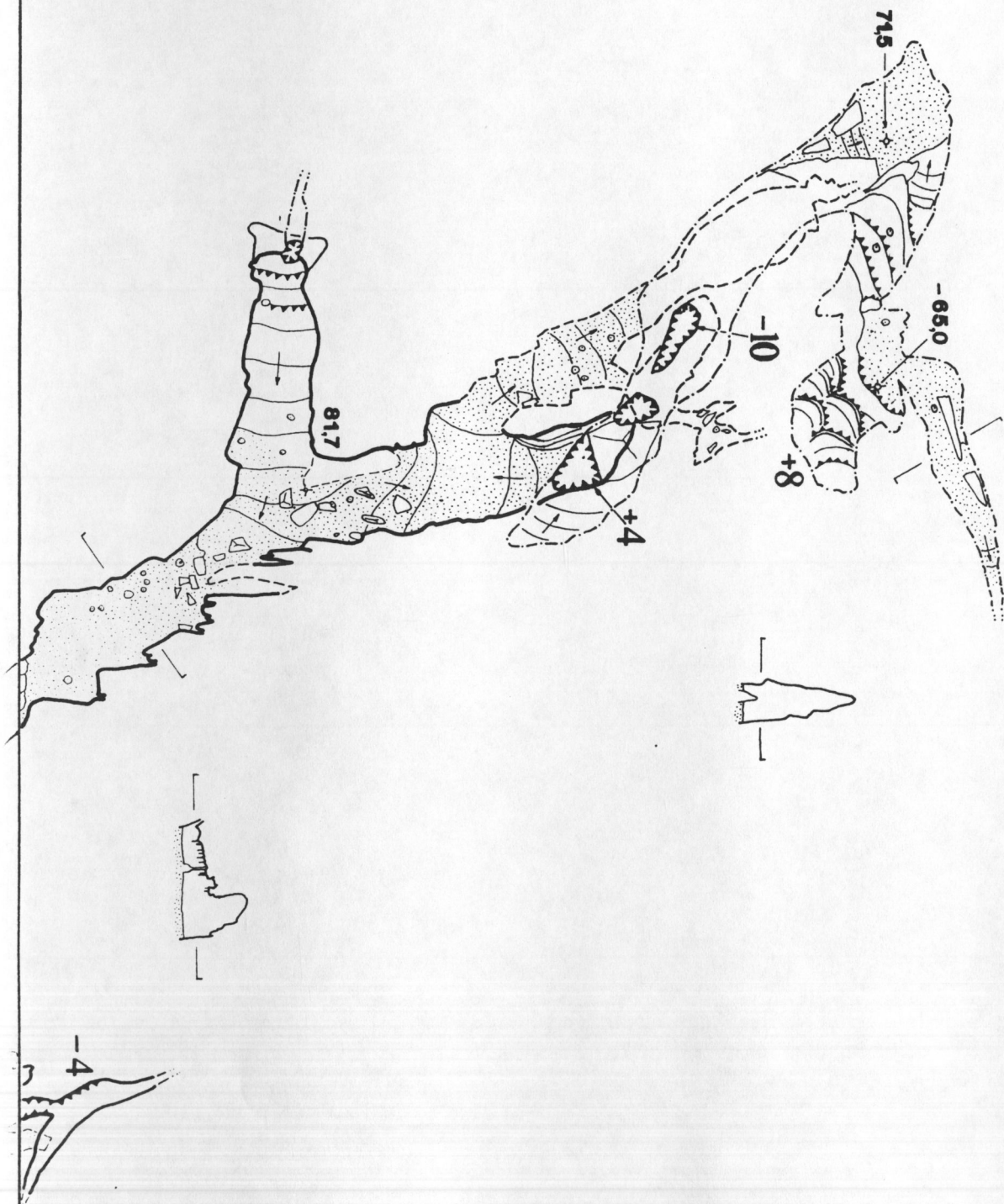


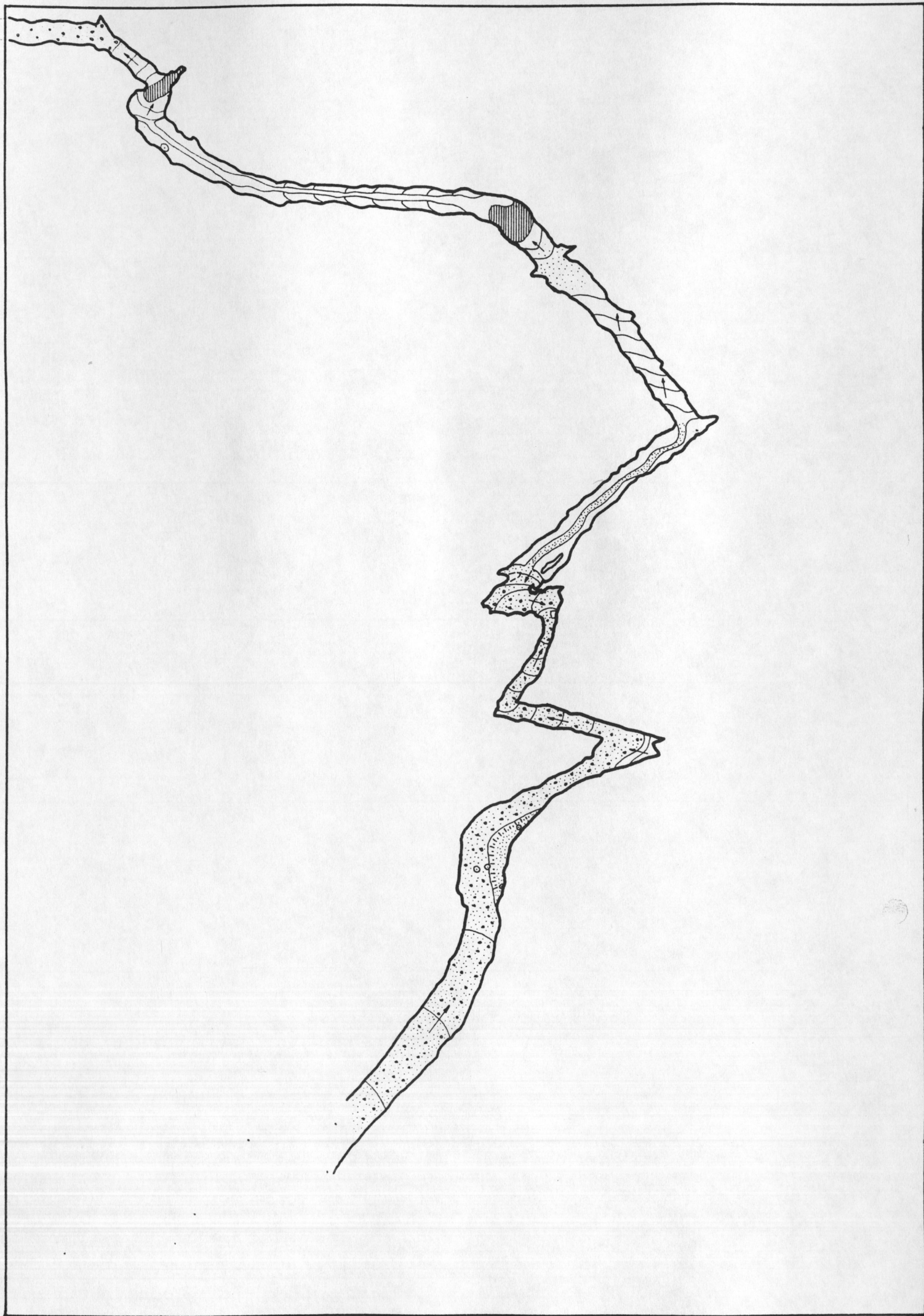




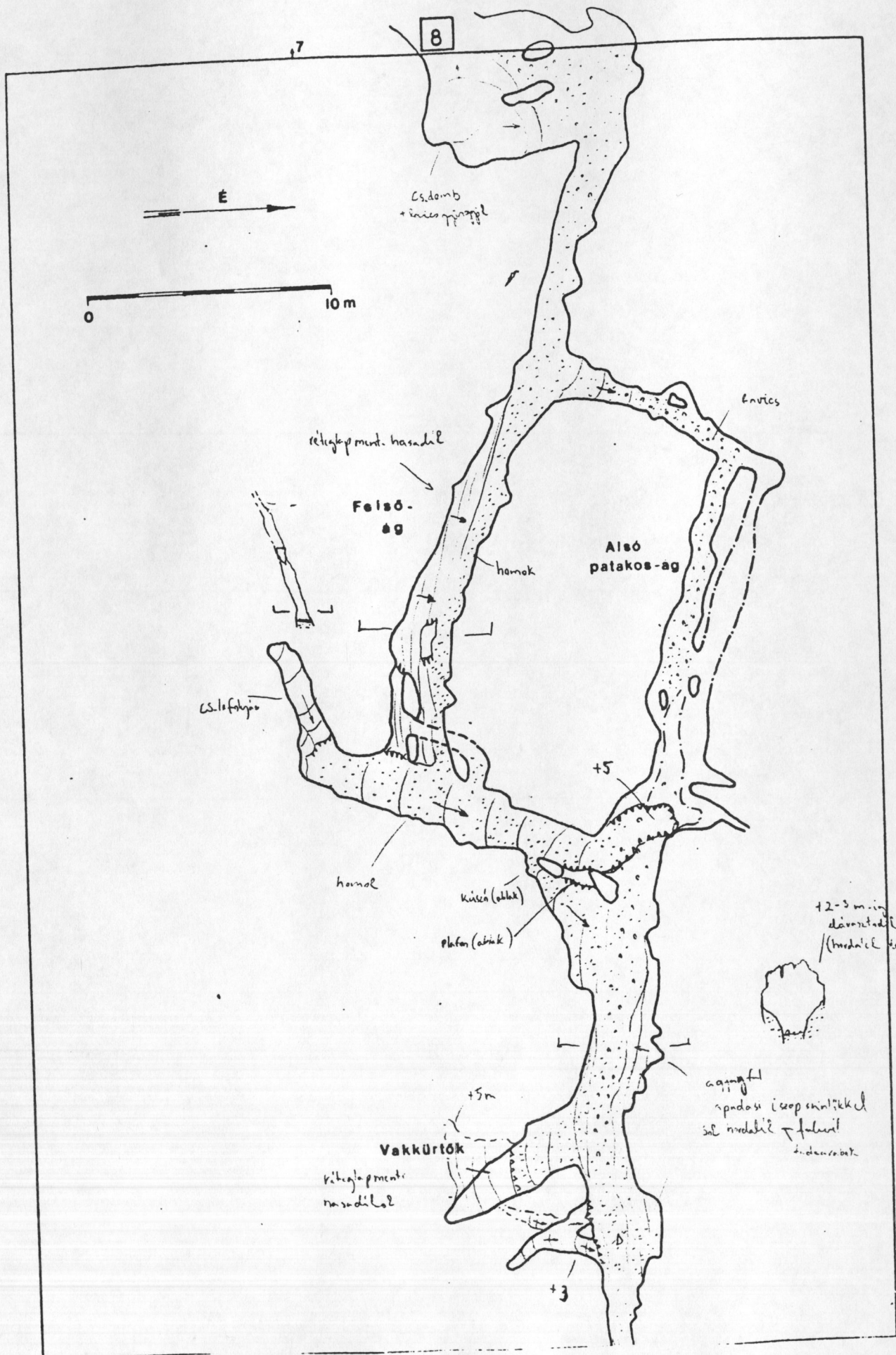






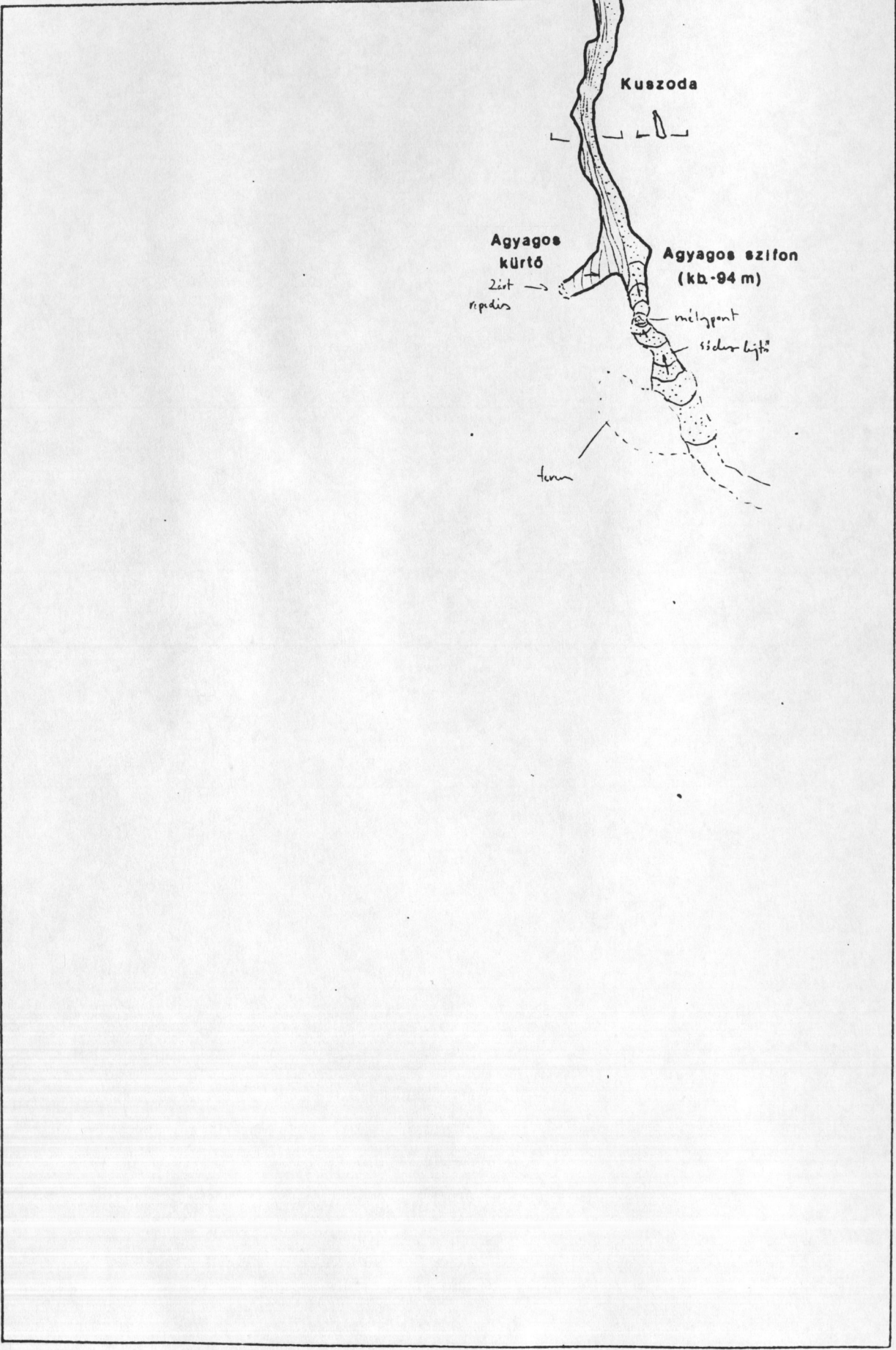






9

8



B A R L A N G F E L M É R É S I J E G Y Z Ő K Ö N Y V

A barlang neve: Kossuth barlang

Felmérte: Papp Ferenc - BEAC csoport 1995. dec. 27-30 Verette: Gulyás Ágnes

Felmérési eszközök: 0.5 fok beosztású bányász kompassz, 0.33 fok beosztású lejtőszögmérő, poligon támadó

Jegyzőkönyv: Németh Tamás - Rövidítések: B bal, J jobb, VP vesztett pont

Ponttól	Pontig	Távolság (m)	Irány- szög (fok)	Eszel- kedés (fok)	Megjegyzés	Végpont			Hurokhiba (m)		
						X (D-é)	Y (K-Ny)	Z (mag.)	X	Y	Z
-2	-3	10.47	251.0	.0	A táró mérése tájolóval	-13.73	31.22	.00			
-1	-2	5.55	253.0	.0	az 1. ponttól visszafelé,	-10.32	21.32	.00			
0	-1	12.61	239.0	.0	(a mérés kiind. pontjától)	-8.70	16.01	.00			
1	0	5.65	247.0	.0		-2.21	5.20	.00			
1	2	2.55	68.5	-13.3	1:Táror után 1 m; 2: J 1 m mag	.91	-2.31	-1.59			
2	3	4.43	3.6	6.7	B fal 70 cm mag.	5.30	-2.59	-1.07			
3	4	4.78	358.2	7.0	B fal 30 cm mag. keresztbas.	10.04	-2.44	.51			
4	5	3.57	60.6	20.2	VP 1.2 m mag. B kany.kiszög.	11.69	-5.36	1.75			
5	6	6.16	97.1	-1.3	70 cm mag. régi fixp. (- jelű)	10.93	-11.47	1.61			
6	7	3.11	70.5	10.0	B old. 1 m mag.	11.95	-14.35	2.15			
7	8	3.92	74.0	-5	Régi csav. 1.4 m mag.szemben	13.03	-10.12	2.11			
8	9	6.19	310.3	5.5	B old. 50 cm mag.	17.01	-13.42	2.70			
9	10	5.45	321.2	-8.4	Barlang órétől 1 m kis stait	21.22	-10.04	1.91			
10	10.01	7.38	269.8	-3.4	Has.közepén taréjon	21.19	-2.68	1.47			
10.01	10.02	6.64	264.5	-2.6	A végétől 3 m-re B 1.5 m mag.	20.55	3.97	1.17			
10	11	2.89	265.5	-13.5	A két ág osztódélen kiálló cs.	21.97	-7.34	1.23			
11	12	1.42	.0	-90.0	Talajon függőzött VP	21.97	-7.34	-1.19			
12	13	4.37	345.2	-11.6	J fal 80 cm mag.	26.11	-6.24	-1.06			
13	14	5.41	310.1	-0.1	B fal derékszögűnél J kanyar	29.56	-2.15	-1.03			
14	15	3.65	64.5	-6.8	Függőzött VP a has. J oldalán	31.12	-5.42	-2.26			
15	16	2.58	.0	90.0	J köél 'beles' oldalán	31.12	-5.42	.32			
16	17	3.58	37.9	-4.3	Függőzött VP a hasadéknál J old.	33.93	-7.61	.05			
17	18	2.41	.0	90.0	Köél elején	33.93	-7.61	2.46			
18	19	4.26	54.8	1.0	B a faltól kb. 1 cm-re	36.39	-11.09	2.54			
19	20	3.38	76.5	-17.5	A faltól 1 cm-re	37.11	-14.21	1.50	-0.03	.01	-0.02
20	21	4.14	95.0	-1.0	J falon 2 m magasan	36.78	-10.35	1.45			
18	18.01	5.72	25.3	10.7	B mellékág; faltól 1.5 cm	38.99	-10.01	3.51	-0.02	.00	-0.01
18.01	18.02	1.04	132.6	-16.2	15 cm-es st-ait csúcsa VP	37.00	-11.30	3.00	-0.02	.01	-0.01
18.02	20	3.33	102.4	-26.2	A faltól 1 cm-re	37.14	-14.22	1.52	.00	.00	.00
21	22	5.58	54.2	2.2		40.04	-22.87	1.66			
22	23	2.70	.0	-90.0	VP, a függőzés alja	40.04	-22.87	-1.04			
23	24	4.01	313.0	.4		43.30	-19.30	-0.99	-0.02	.05	.01
24	25	3.54	70.1	7.3	B fal VP agyagszintű fölétt X	44.52	-22.65	-0.55			
21	21.01	4.82	20.0	9.3	Has. plafon élen faltól 1 cm	41.22	-20.02	2.23	-0.01	.02	.00
21.01	21.02	3.08	.0	-90.0	VP, a függőzés alja	41.22	-20.02	-1.64	-0.01	.02	.01
21.02	24	2.30	343.6	16.1		43.33	-19.35	-1.01	.00	.00	.00
21.02	21.03	7.34	91.0	15.8	Kereszthas.ban balold. VP	41.00	-27.05	.36	-0.02	.05	.01
25	26	3.26	69.1	-11.8	Enyhe bal kany. 1 m magasan	45.66	-25.64	-1.22			
26	27	3.21	68.0	8.7	Köeltől 130 cm fölfele bal	46.04	-20.50	-0.74			
27	28	4.50	36.1	2.1	B kany. J fal szemben	50.48	-31.23	-0.57			
28	29	4.00	304.5	.4	B fal agyagszintű fölétt 1.5 m	52.74	-27.93	-0.54			
29	30	5.22	340.0	.9	J fal 1 m mag. kanyar előtt	57.65	-26.15	-0.46			
30	31	4.58	334.9	2.6	J fal 1.3 m mag.	61.79	-24.20	-0.25			
31	32	3.63	267.5	12.2	A derékszögű J kany. előtt	61.64	-20.66	.51			
32	33	5.92	19.9	14.7	20 cm J párkány	67.02	-22.61	2.02			
33	34	5.04	65.0	10.9	Párk. fölétt 1.5 m	69.11	-27.00	2.97			
34	35	1.53	41.4	15.5	Perem végétől 1.2 m	70.22	-20.07	3.30			
35	36	4.52	73.4	12.2	J old. repedéstől 1.5 m	71.40	-32.30	4.33			

rest folytatjuk 1996 dec.27-1997.jan.5 között

Jajna B., Egri Cs., Fekete B., Földi V., Gólya B., Gulyás J., Mészáros T., Roshányi B., Vadinszky J.

Ponttól	Pontig	Távolság ( m )	Írány- szög (fok)	Emel- kedés (fok)	Megjegyzés	Végpont			Hurokhiba		
						X (D-é)	Y (K-Ny)	Z (mag.)	X	Y	Z
36	37	2.59	34.0	6.5		73.61	-33.74	4.63			
37	38	4.30	62.5	11.0	Függ.repedés J	75.56	-37.49	5.45			
38	39	2.64	.0	-90.0	Kis párkányon piros	75.56	-37.49	2.81			
38	38.01	5.75	20.2	-10.4	Kanyar föl.kiél kis párk.f.	80.68	-39.37	3.63			
38.01	41	2.75	90.5	-4.5	Hasadék J széle	80.66	-42.11	3.42			
39	40	3.27	61.0	11.5	Íthajl.fölött 60 cm J	77.03	-40.31	3.46			
40	41	3.98	26.0	-5	Hasadék J széle	80.63	-42.11	3.42			
41	42	2.09	5.0	-7.3	B fal talajtól 1 m	82.69	-42.31	3.16			
42	43	1.65	45.3	-23.4	Kanyar belsi éle szemmag.	83.76	-43.39	2.50			
43	43.01	3.25	348.0	41.3	B old.has.vonalán VP	86.15	-42.08	4.65			
43	44	4.48	122.3	-7.7	Szemh. vízfolyás föl.ki	81.38	-47.14	1.90			
44	45	4.55	230.3	-9.7	Vissza kiél, kanyar belsi él	79.03	-43.33	1.14			
45	46	3.59	235.0	3.5	Függizött VP	76.97	-40.39	1.36			
46	48	1.97	.0	90.0	Íthajl.fölött 60 cm J	76.97	-40.39	3.33			
45	45.10	6.08	130.3	11.7	A keresztirányú vége fele	75.18	-47.87	2.37	-1.0	-0.00	-1.13
44	50	4.23	353.5	4.2	Víznyeli fölött 2.1 m B	85.58	-46.67	2.21			
50	51	3.43	67.5	12.0	J előreálló taréj	86.06	-49.76	2.97			
51	52	2.89	35.2	-4.1	Fal, pici has. 2.5 m mag.	89.21	-51.42	2.77			
52	53	4.11	61.2	.9	J has. szélén st.titocska	91.19	-55.02	2.83			
53	54	5.34	42.5	-6.9	B 2m mag. bütök	95.10	-50.60	2.19			
54	55	4.74	59.0	-6.7	J mellmag.st.mit kerdesény	97.52	-62.64	1.64			
55	56	3.98	50.0	9.3	J kanyar B fal rep.szélén	100.05	-65.64	2.28			
56	57	4.50	93.5	2.7	Kiélén fűrt lyuk a járat köz.	99.77	-70.21	2.50			
57	58	2.97	81.5	15.0	J 1.5m mag. kámpó	100.19	-73.05	3.26			
58	59	4.64	46.5	-12.4	Tó kerd. B fal kámpó 1m-en	103.31	-76.34	2.27			
59	60	3.27	93.5	-9.6	Tó felett J 0.5 m kámpó	103.12	-79.55	1.72			
60	61	4.23	52.0	-1.2	BF 0.5 m kámpó kiél	105.72	-82.89	1.63			
61	62	4.40	103.0	2.7	70 cm-en sziklakielén	104.36	-87.07	1.84			
62	63	5.22	61.0	2.8	J ág JF 1 m a víz felett	106.89	-91.63	2.10			
63	64	4.74	24.5	-4.1	B 70 cm a félsziget előtt	111.20	-93.57	1.79			
64	65	4.38	83.0	-2.8	Has.ban J élen 80 cm-en	111.73	-97.89	1.60	.00	.02	.03
65	66	3.87	57.5	-2.2	B 30 cm mag.	113.81	-101.13	1.48	.01	.04	.06
66	67	3.41	89.3	3.0	J 0.4 m mag.	113.86	-104.53	1.68	.01	.06	.08
67	68	3.44	50.3	-1.8	40cm mag. B sziklahas.	116.06	-107.16	1.59	.01	.07	.10
68	69	3.44	100.5	.4	J kipenge 40 cm	115.43	-110.52	1.64	.02	.09	.13
69	70	3.35	43.5	-5	B 0.5m kiugró élen	117.06	-112.01	1.63	.02	.10	.15
70	71	2.82	93.0	5.6	J 0.75m kámpó	117.72	-115.61	1.92	.02	.11	.17
71	72	3.06	44.5	-3.7	BF 0.5 m kámpó	119.90	-117.73	1.74	.02	.13	.19
72	73	2.44	105.3	-1	J 0.4 m	119.26	-120.00	1.76	.02	.14	.21
73	74	3.73	22.0	16.5	Bukó tetején J old. kámpó	122.56	-121.45	2.84	.03	.15	.22
74	75	5.55	17.5	4.0	Bukó felvizi old. B 1.7 m	127.89	-122.93	3.27	.03	.17	.25
75	76	3.69	39.5	3.0	J párkány felett kámpó	130.60	-125.41	3.56	.04	.21	.31
Hasadék végébe											
73	73.01	4.97	62.3	8.4	Has. J kiél csúcs korá.	121.54	-124.43	2.48	.03	.15	.22

Ponttól	Pontig	Távolság ( m )	Irány- szög ( fok )	Emel- kedés ( fok )	Megjegyzés	Végpont			Hurokhiba		
						X (D-é)	Y (K-Ny)	Z (mag.)	X	Y	Z
Bukó körüli kör											
74	74.01	2.97	83.0	15.4	Járat J betonger. 0.5m kor.	122.80	-124.25	3.61	.04	.21	.23
74.01	74.02	3.39	358.5	2.0	Bold 80 cm betonkocka eles	126.28	-124.12	3.71	.06	.25	.21
74.02	75	1.81	329.0	-11.4	Bukó felvizi old. R 1.7 m	127.04	-123.09	3.34	.00	.00	.00
Bukó utáni szakasz											
76	77	2.37	3.5	-2.8	R áthajló fal 1.8m kiél kapó	133.05	-125.55	3.45	.04	.22	.32
77	78	3.09	39.5	-2.7	JF víz felett 1.5 m	135.43	-127.50	3.33	.04	.23	.34
78	79	2.61	6.5	9.9	1.5m BF kiugró kiélen	137.99	-127.78	3.79	.04	.24	.36
79	80	2.98	83.5	-2.3	JF 2m a víz felett	138.33	-130.72	3.69	.04	.25	.38
80	81	3.13	42.0	-2.0	BF 1 m a víz felett lógó ki	140.65	-132.88	3.60	.05	.27	.40
81	82	4.75	111.5	21.6	Felsőség felj. JF has.bels.	139.04	-136.91	5.35	.05	.27	.40
82	83	5.78	33.5	4.1	BF 1m kiélen	143.04	-140.09	5.77	.05	.27	.40
83	84	4.39	45.3	-1.0	Festett p. 12635-tel szemben	146.93	-143.21	5.69	.05	.27	.40
84	85	2.97	1.8	-11.7	1245-el szem. víz felett 2 m	149.04	-143.31	5.89	.05	.27	.40
85	86	4.20	34.0	-7.7	BF 1.5 m a víz felett	153.29	-145.63	4.52	.05	.27	.40
86	87	5.40	72.5	3.7	JF 2 m a víz felett	154.91	-150.77	4.87	.05	.27	.40
87	88	4.88	39.3	-2	183 cm a víztil a plafonon	158.68	-153.86	4.86	.05	.27	.40
88	89	3.39	48.2	1.4	JF víz felett 2 m	160.94	-156.39	4.94	.05	.27	.40
89	90	5.01	34.0	8.4	BF plafon 1.2 m kiélen	165.05	-159.16	5.67	.07	.55	1.05
90	91	4.91	64.4	-4.9	JF járószint felett 1.3 m	167.17	-163.57	5.25	.05	.27	.40
91	92	3.87	17.9	.9	13066 mellett kiélen BF	170.05	-164.76	5.31	.05	.27	.40
92	93	3.67	80.0	-6.0	Ki közepén	171.48	-160.36	4.93	-1.0	.30	.62
93	94	5.82	78.5	1.8	JF víz felett 2 m	172.48	-173.28	5.02	.05	.27	.40
93	93.01	10.00	10.0	.0		181.33	-170.10	4.93			
94	95	3.45	14.5	-1.2	BF víz felett 1.6 m	175.82	-174.14	4.94	.05	.27	.40
95	96	4.18	45.0	-7.0	JF kihid alatt 1 m	178.76	-177.07	4.43	.05	.27	.40
96	97	4.09	10.4	2.8		183.56	-177.93	4.67	.05	.27	.40
97	98	5.53	53.0	-1.0		186.83	-182.42	4.58	.05	.27	.40
98	99	6.92	321.5	-6.2		192.21	-178.13	3.83	.05	.27	.40
A Háros-Királyok ág felé											
45	45.01	2.15	212.6	15.8	áthajl. alatt hasadék sarka	77.28	-42.21	1.72			
45.01	45.02	5.39	310.5	-1.8	Székület bajárat J széle	80.78	-38.12	1.55			
45.02	45.03	6.41	285.2	6.1	J old. ki csúcsa	82.45	-31.97	2.23			
45.03	45.04	6.00	212.0	2.3	R 150 cm mag. gödröcske	77.37	-28.79	2.47			
45.04	45.05	7.92	235.5	2.0	agyag föl. boltzat éle köz.	72.89	-22.27	2.75			
A fiágból jobbra fel a barlang vége irányába											
81	200	4.01	152.5	26.0	Has. J oldala felett	136.82	-134.78	5.74	.05	.20	.43
200	201	3.47	97.6	39.5	R felfele menő keresztvas.nál	136.47	-137.42	7.97	.05	.30	.45
201	202	4.71	126.0	28.3	Letör.kerzeténél függőzött	133.88	-140.98	9.64	.06	.32	.40
202	203	1.01	.0	90.0	Piros + a plafonon	133.88	-140.98	10.65	.06	.32	.40
203	204	1.96	161.0	15.4	Letör.el.magasabb cski csúcsa	132.09	-141.59	11.19	.03	.50	.42
204	205	2.97	77.7	24.4	Korrodeált cskisor széle	132.67	-144.22	12.45	.00	.01	.03
205	206	2.82	71.0	19.5	B oldal plafon	133.53	-146.72	13.42	.00	.03	.06
206	207	4.23	65.5	12.3	Szög tócsa előtt plafon	135.25	-150.46	14.37	.00	.05	.11
207	208	3.28	54.7	5.0	BF piros + 1 m-en	137.14	-153.11	14.69	.00	.07	.15
208	209	3.13	78.0	7.0	Kanyar J old. cskidomb	137.78	-156.13	15.11	.01	.08	.18
209	210	4.00	2.0	-19.1	BF ki élen szög, levezetés	141.56	-156.24	13.84	.01	.10	.23
210	211	3.16	46.5	-6.3	Elég.JF has.alatt elbújt szög	143.73	-158.50	13.53	.01	.12	.26
211	211.01	5.43	266.0	-23.1	B szélen kis hasadék P	143.37	-153.60	11.12	-.01	.03	-.02

Ponttól	Pontig	Távolság (m)	Irány- szög (fok)	Emel- kedés (fok)	Megjegyzés	Végpont			Hurokhiba		
						X (D-é)	Y (K-Ny)	Z (mag.)	X	Y	Z
211.01	211.02	1.99	305.7	-45.5	Pocsolya előtti kisebb cski	144.16	-152.46	9.70	-.01	.04	-.02
211.02	211.03	5.06	216.2	1.8	BF 50 cm-en	140.09	-149.44	9.84	-.01	.03	-.04
211.03	211.04	6.20	237.0	4.5	J old.lefelé mutató ujj	136.72	-144.21	10.31	-.02	.12	-.06
211.04	211.05	6.13	193.0	11.0	204-el szemben piros folt	130.85	-142.02	11.46	-.03	.16	-.08
211.05	204	1.75	316.0	-8.5	Letör.el.magasabb cski csúcsa	132.09	-141.59	11.19	.00	.00	.00
211	212	5.13	358.0	-12.0	B fal csavar	148.74	-150.30	12.52	.01	.15	.32
212	213	5.37	29.0	-2.1	Tavacska B old. könyelv	153.44	-160.07	12.39	.01	.19	.38
213	214	.98	271.5	14.0	B fal mellékág kezdete	153.46	-159.92	12.63	.01	.18	.39
214	215	4.44	45.5	2.3	Szemben csavar nyelven	156.57	-163.06	12.06	.01	.20	.44
215	216	4.14	350.5	-15.6	B fal csvar függő fölött	160.40	-162.39	11.69	-.10	.21	.30
216	217	1.73	.0	-90.0	Függőzött VP	160.51	-162.30	10.00	.01	.22	.50
217	218	2.71	18.5	-16.5	J old. szög	162.97	-163.19	9.34	.01	.24	.53
218	219	1.87	340.0	-23.0	Ilmenyzeret csavar lefolyás	164.59	-162.59	8.63	.02	.25	.55
219	220	1.35	.0	-90.0	Lefolyáson VP	164.59	-162.59	7.30	.02	.25	.57
220	221	.84	324.5	-1.5		165.20	-162.10	7.29	.02	.25	.58
221	222	1.83	.0	-90.0		165.20	-162.10	5.48	.02	.25	.60
222	90	2.91	265.5	2.1	BF plafon 1.2 m kiélen	165.05	-159.16	5.67	.00	.00	.00
214	214.01	1.10	353.5	24.3	Mellékág J old.	154.45	-159.01	13.07	-.01	.00	-.01
214.01	214.10	3.36	214.5	27.4		151.99	-158.12	14.62	-.01	.00	-.01
214.01	214.02	1.65	350.5	17.4	Oldalág B fal	155.99	-159.55	13.57	-.02	.00	-.01
214.02	214.03	1.58	26.5	19.0	B old.cski 50 cm mag.	157.32	-160.21	14.07	-.03	.00	-.02
214.03	214.04	5.25	9.5	-8.6	Szalacscki alatt 50 cm VP	162.40	-161.07	13.26	-.07	.00	-.05
214.04	214.05	2.26	.0	-90.0	B fal cski dudor	162.40	-161.07	10.99	-.07	.00	-.06
214.05	214.06	2.93	54.5	-5.7	Leghosszabb st.tit	164.07	-163.45	10.67	-.09	-.01	-.00
214.06	216	3.85	197.0	17.5	B fal csvar függő fölött	160.51	-162.30	11.79	.00	.00	.00
220	220.01	2.72	09.0	15.0	J fal VP	164.62	-165.20	8.07	-.02	.01	.03
220.01	220.02	4.27	25.5	-6.6	B fal lejtő eleje Pir.	160.41	-166.99	7.62	-.05	.04	.07
220.02	220.03	4.72	126.5	15.3	J aláhajl.st.nát alja	165.67	-170.63	8.92	-.09	.06	.12
220.03	220.04	4.81	350.5	-17.3	Plafon VP	170.23	-170.40	7.53	-.12	.09	.17
220.04	220.05	2.21	.0	-90.0	Függőzött VP	170.23	-170.40	5.34	-.12	.09	.19
220.05	93	2.51	302.0	-11.0	Ki közepén	171.40	-160.36	4.93	.00	.00	.00
204	250	4.12	231.0	1.0	Ferde plafonon csavar	129.53	-130.56	11.37	.06	.36	.55
250	251	3.53	256.5	-15.9	B cskicsop.taipán dudor	128.74	-135.24	10.43	.06	.36	.55
251	252	5.30	271.0	-2.6	Ítfürt pont	128.04	-129.92	10.22	.07	.38	.58
252	253	3.16	229.5	7.2	B cski kinyúlás fúrás	126.00	-127.53	10.64	.07	.39	.60
253	254	3.68	256.5	17.7	B kipengén csavar	125.99	-124.10	11.78	.07	.41	.62
254	255	5.54	343.5	.7	Szemben lenyúló fal alján ly	131.30	-122.51	11.00	.03	.43	.66
255	256	3.17	323.5	-3.2	B falon csavar	133.05	-120.61	11.73	.00	.44	.68
256	256.01	4.79	180.5	19.3	B falon csav.	129.30	-119.94	13.31	.00	.44	.68
256.01	256.02	2.31	213.0	12.5	S.tit hegye	127.49	-110.71	13.01	.00	.44	.68
256.02	256.03	3.72	210.0	14.0	Járat vége, nem mért irány	124.36	-116.91	14.71	.00	.44	.68
256	257	2.94	22.5	-10.2	Kiél alja csav.	136.53	-121.70	11.22	.00	.46	.70
257	258	1.76	324.0	-7.7	B fal dudorán csavar	137.94	-120.67	11.00	.00	.46	.71
258	259	3.75	.5	2.0	Csavar szemben	141.69	-120.69	11.15	.09	.48	.73
259	260	3.10	234.0	-7	J fal dudorán csav.	139.07	-118.17	11.14	.09	.49	.75
260	261	3.87	201.0	-5	B fal	136.26	-116.76	11.13	.09	.51	.78
261	262	4.45	223.5	3.5	J fal lejtő teteje	133.04	-113.69	11.43	.09	.53	.81
262	263	3.83	189.0	16.8	Szem. cskilefolyáson	129.42	-113.10	12.56	.10	.55	.83

Ponttól	Pontig	Távolság (m)	Irány- szög (fok)	Eszel- kedés (fok)	Megjegyzés	Végpont			Hurokhiba		
						X (D-z)	Y (K-Ny)	Z (mag.)	X	Y	Z
263	264	4.16	.0	7.3	J bent tetarata	133.55	-113.00	13.11	.10	.56	.86
264	265	1.06	291.0	-20.0	B falon lefolyásban	133.91	-112.15	12.76	.10	.57	.86
265	266	2.23	.0	-90.0	VP	133.91	-112.15	10.54	.10	.57	.88
266	267	2.40	313.0	16.0	Tótól 50 cm csúsi teteje	135.49	-110.45	11.22	.10	.58	.89
267	268	2.30	197.0	17.7	Mellékág kezdete B fal	133.39	-109.80	11.93	.10	.59	.91
268	269	2.99	299.0	-2.9		134.84	-107.17	11.80	.11	.60	.93
269	270	3.53	202.0	-2.0		131.57	-105.84	11.70	.11	.61	.95
270	271	2.56	154.0	.3		129.27	-106.95	11.73	.11	.63	.97
271	272	3.32	213.0	-5.0		126.50	-105.13	11.46	.11	.64	.99
272	273	2.01	153.5	-7.0		124.72	-106.01	11.23	.12	.65	1.00
273	274	2.02	201.0	11.0		122.87	-105.30	11.63	.12	.66	1.01
274	275	1.82	156.5	11.1		121.23	-106.00	11.99	.12	.66	1.02
275	276	4.57	195.5	5.0		116.86	-104.77	12.48	.12	.68	1.05
268	268.01	4.30	212.0	17.5	Csúsi előtt J fal	129.91	-107.63	13.23	.10	.59	.91
268.01	268.02	4.66	189.0	3.0		125.32	-106.90	13.47	.10	.59	.91
268.02	268.03	.99	219.5	-15.3		124.58	-106.29	13.21	.10	.59	.91
268.03	273	1.92	.0	-90.0		124.58	-106.29	11.23	-.13	-.21	.15
A felmérés folytatódik 1997.jan.18-án											
63	63.01	1.20	276.3	-2.1	BF	107.02	-90.43	2.05			
63.01	63.02	1.24	176.9	10.3	felmenő kötélnél piros folt	105.80	-90.50	2.27			
63.02	63.03	2.93	.0	90.0	VP BF piros kis dudor	105.80	-90.50	5.20			
63.03	63.04	.48	142.5	-23.5	VP JF kicsit lejjebb dudorka	105.45	-90.77	5.01			
63.04	63.05	4.20	.0	90.0	Elhúzás nittjével szemben	105.45	-90.77	9.21			
63.05	63.06	.86	115.3	2.1	Elhúzás nittje	105.09	-91.55	9.24			
63.06	63.07	4.30	220.0	7.0	Szakadék tölcső végén	102.23	-88.37	9.77			
63.07	63.08	4.51	51.0	23.1	Ereszkedi nittel szemben	104.84	-91.60	11.54			
63.08	280	4.44	34.3	4.9		100.49	-94.09	11.92			
280	281	3.84	249.3	0.0	JF járat talpszint csavar	107.15	-90.54	12.45			
281	282	1.90	244.1	26.3	Rev.szár kikötésénél fülke	106.41	-89.00	13.30			
282	283	2.18	200.1	-19.0	VPJF csepokirászlón piros	104.48	-88.30	12.56			
283	284	.77	200.0	-17.5	JF csavar terem fölött	103.84	-87.94	12.33			
284	285	2.25	.0	-90.0	csavar függ. alja	103.84	-87.94	10.80			
284	286	3.02	177.3	-8.7		100.85	-88.09	11.87			
276	277	3.60	226.0	-2.0	Kiélen 150cm-en piros folt	114.36	-102.16	12.33	.12	.70	1.00
277	278	3.69	239.0	-11.7	1,3m-en BF repedés széle	112.55	-99.02	11.60	.13	.72	1.10
278	279	4.20	250.0	6.3	JF első szakadék kezdete	111.12	-95.00	12.09	.13	.73	1.13
279	280	2.81	200.1	-4.5		100.50	-94.09	11.92	.00	.00	.00
285	63.07	1.70	164.5	-10.0	Szakadék tölcső végén	102.22	-88.39	9.70	-.01	-.02	.01
285	285.01	3.20	210.5	16.0	BF oldág bejárat 0,4m-en	101.12	-86.34	10.90			
285.01	285.02	3.80	342.0	14.0	Jobb oldali oldág BF	104.69	-85.19	11.97			
285.02	285.03	2.49	21.5	24.5	Az elágazás előtti kővön	106.00	-86.02	13.00			
285.03	285.04	2.36	204.3	25.5	Nagy piros kereszt	107.32	-83.95	14.02			
285.04	285.10	5.00	227.0	34.3	Jobbra talajszinten	90.30	-83.32	13.80			

Ponttól	Pontig	Távolság (m)	Irány- szög (fok)	Eel- kedés (fok)	Megjegyzés	Végpont			Hurokhiba		
						X (D-é)	Y (K-Ny)	Z (mag.)	X	Y	Z
286	287	3.73	206.3	5.6	J. old. 1, 1a-en csavar	97.53	-86.44	12.23			
287	288	3.88	171.3	-1.8	BF 1, 2a-en csavar	93.69	-87.83	12.16			
288	289	2.76	186.4	-1.1	BF csavar előg. előtt 1a-en	98.95	-86.72	12.11			
289	290	2.18	230.4	-10.8	Szfkület plafonjában	89.58	-85.07	11.73			
290	291	3.11	207.1	.0	JF 0, 7a-en	86.81	-83.65	11.73			
291	292	4.31	182.3	.6	BF 0, 7a-en	82.51	-83.48	11.78			
292	293	3.17	187.5	-5	JF 1a-en	79.36	-83.86	11.75			
293	294	3.19	179.5	-2.2	BF	76.18	-83.89	11.63			
294	295	2.86	196.3	1.8	JF	73.43	-82.29	11.72			
295	296	2.71	173.8	-2.1	BF	70.74	-82.58	11.62			
296	297	3.47	189.5	-1.8	VP1, 5a legközelebskinyaka	67.32	-82.81	11.51			
297	298	4.26	175.1	-4.1	JF 0, 5a-en szfkületben	63.89	-82.37	11.21			
298	299	2.88	144.1	.9	B. old. leelőg. ki után	68.75	-84.86	11.25			
299	300	3.24	173.5	-7.3	Cskierdi után szemben	57.56	-84.42	10.84			
300	301	1.82	252.1	.4	Cseppki tövében szemben	57.88	-82.69	10.85			
301	302	1.32	286.8	-18.3	Szfkület felett plafonban	55.87	-82.14	10.44			
302	303	1.82	.8	-98.8	talajon VP	55.87	-82.14	9.42			
303	304	1.72	198.8	1.8	Szfkület utáni ki sarka	54.24	-81.61	9.45			
304	305	4.44	242.5	11.8	Jold. fent taréj	52.23	-77.74	10.29			
305	306	4.49	169.8	-36.5	Jold. 0, 4a-en bütyök	48.67	-78.38	7.62			
306	307	2.48	128.6	29.8	JF bal kanyar 2a-en	47.61	-80.19	8.79			
307	308	4.40	43.8	18.4	1a-en átlépés után	58.66	-83.84	10.18			
308	309	2.72	338.5	-5.8	Cseppkioszlop nyaka	53.82	-81.78	9.94			
309	304	1.32	355.5	-24.2	Szfkület utáni ki sarka	54.22	-81.61	9.48	-0.82	.88	-0.85
308	310	1.58	293.6	7.5	sztalagait csúcsa	58.19	-82.99	11.83			
310	311	7.88	328.8	22.8	visszafelé menő hasadék vége	63.16	-78.82	13.67			
Végpont felé előre											
98	400	4.21	58.2	37.8		188.68	-185.28	7.11			
98.01	400	1.35	.8	98.8		188.59	-185.24	7.17	-0.81	.83	.85
98	98.01	3.55	58.1	28.4	Függirött VP	188.59	-185.24	5.82			
400	400.01	3.77	131.7	-16.3	Oldalág bejratának bal fala	186.19	-187.98	6.86			
400.01	400.02	5.75	195.9	-5.2	Pocsolya végénél 30 cm mag.	188.69	-186.41	5.53			
400	401	4.86	96.1	7.5	Agyagos lejtő J fal derekmag.	188.17	-189.28	7.64			
401	402	2.91	5.8	27.2	R fal 80 cm mag. büty.	198.75	-189.51	8.97			
402	403	2.72	182.7	24.6	Csúszda aljánál 1.5 m mag.	198.21	-191.92	10.11			
403	403.01	3.85	354.1	-14.1	R 60 cm mag. előreálló akárcsi	193.92	-191.53	9.17			
403.01	403.02	3.78	53.8	3.8	Dzfkület J oldalán festve	196.11	-194.52	9.36			
403.02	403.03	2.17	57.8	33.6	R a leesett ki előtt 0.5 m	197.89	-196.83	10.56			
403	404	3.13	.8	98.8	Kiugró kövön csavar	198.21	-191.92	13.24			
404	405	2.84	148.5	18.8	Mittektil J le 1.2 m csavar	188.86	-193.69	13.77			
405	406	4.82	23.1	18.5	R fal 78 cm mag.	191.69	-195.24	14.58			
406	407	2.42	37.1	8.1	Kihid felett 0.5 m J fal	193.68	-196.69	14.84			
407	408	2.38	16.3	-9.1	R fal 78 cm	195.78	-197.32	14.48			
408	409	2.16	21.1	2.3	Kitaréj alja	197.88	-198.18	14.56			
409	410	1.15	47.8	-18.8		198.56	-198.94	14.35			
409	409.01	1.75	.8	-98.8	Függirés a lépésre	197.88	-198.18	12.81			
410	411	1.58	26.5	11.5	R fal 98 cm mag. csavar	199.94	-199.63	14.66			
411	411.01	1.35	67.9	7.9	Oldalág 'ajtájában'	200.44	-200.87	14.85			
411	412	2.32	54.8	12.8	J fal Mohának szemmagasan	201.27	-201.46	15.18			



Ponttól	Pontig	Távolság ( m )	Irány- szög (fok)	Emel- kedés (fok)	Megjegyzés	Végpont			Hurokhiba		
						X (D-E)	Y (K-M)	Z (mag.)	X	Y	Z
412	413	2.33	31.8	-7.8	B lefolyás 1.10 magasan	203.23	-202.68	14.86			
413	414	1.38	77.3	-9.6	J old. leülőgő kiperem	203.53	-204.00	14.63			
414	415	1.83	93.5	4.1	J fal elágazásban térdmag.	203.42	-205.02	14.76			
415	415.01	3.20	240.5	2.1	J könyelv élén csak festve	201.85	-203.04	14.88			
415.01	415.02	4.22	197.5	7.5	Elág.vonalában csak festve	197.86	-201.78	15.43			
415	416	3.55	21.0	3.7	B fel '7'-en túl 1.5 m	206.73	-207.09	14.99			
416	417	3.10	74.0	3.1	Stalagnáton túl 2 m-rel J fal	207.50	-210.07	15.16			
417	418	3.22	347.4	-7.5	B fal 70 cm	218.70	-209.37	14.74			
418	419	2.29	45.5	-7.5	Zöld 0-as alatt J fal alja	212.29	-210.99	14.44			
419	420	2.57	350.0	9.6	B fal térdmag.	214.78	-210.55	14.87			
420	421	3.33	22.1	-4.3	J fal combmag.(már állhatsz)	217.86	-211.00	14.62			
421	422	2.95	357.3	-12.0	B fal székület után	220.74	-211.67	14.00			
422	423	2.50	9.1	3.0	J fal legszékebb részen	223.29	-212.07	14.14			
423	424	1.67	343.7	2.4	B fal térdmag.	224.89	-211.61	14.21			
424	425	2.65	35.9	10.4	J fal 'kiperemek' alatt	227.00	-213.13	14.69			
425	426	1.75	333.2	2.0	B fal derékmag. alatt	229.56	-212.35	14.75			
426	427	2.13	36.1	1.4	J fal st.nát lába előtti domb	230.28	-213.60	14.80			
427	428	2.53	352.0	-13.0	Felfekvés miatt lógó VP B	232.71	-213.26	14.20			
428	429	1.16	6.7	23.0	B fal 1 m cskikapu előtt 2 m	233.77	-213.38	14.66			
429	430	2.59	27.6	-1.0	Cskikapu után 1 m Jobbra	236.06	-214.50	14.62			
430	431	2.96	359.0	-1.0	B fal 70 cm mag. St.nát mell.	239.02	-214.53	14.57			
431	432	1.92	37.5	3.5	J fal 90 cm	240.54	-215.70	14.60			
432	433	2.83	1.9	3.3	B fal 50 cm régi ponttól J	243.37	-215.79	14.05			
433	434	2.57	33.7	8.6	J fal Moha mellmagasság	245.40	-217.20	15.23			
434	435	1.01	10.0	15.5	B fal fellépésnél kiszakadt	247.20	-217.50	15.72			
435	436	3.04	21.2	-11.2	J fal a borsóköves rész eleje	250.71	-218.87	14.97			
436	437	3.04	.1	1.5	B fal székmag.	253.75	-218.87	15.05			
437	438	3.43	12.0	1.7	J kis hasadékkal szemb.	257.10	-219.50	15.15			
438	439	1.05	350.1	-20.6	St.mit tövében	258.01	-219.29	14.50			
439	440	2.34	.0	90.0	10 Kéél ALJA	258.01	-219.29	16.04			
440	441	1.43	60.4	13.0	A hid legmagasabb bütyke	259.50	-220.50	17.16			
441	442	3.25	17.1	12.0	B fal 90 cm mag.	262.54	-221.43	17.04			
442	443	4.19	42.5	-5	B fal átlépés elején	265.62	-224.26	17.00			
443	444	3.00	65.6	14.0	Borsóköves st.mit	267.15	-227.62	18.72			
444	445	2.23	60.2	31.6	B fal anyósnyelvvel egyvonalb	267.85	-229.30	19.89			
445	446	2.32	137.0	19.5	Kis cski mögött J falon	266.25	-230.87	20.66			
446	447	2.33	57.5	10.7	Nagy cskókkal szemb. B fal	267.40	-232.00	21.10			
447	448	2.61	100.4	12.1	J fal 165 cm kanyar beisi old	267.02	-235.31	21.64			
448	449	2.81	93.9	2.5	J fal régi 19. felirat mell.	266.83	-238.11	21.77			
449	450	4.19	37.6	1.5	B minden hülye megtalálja	270.15	-240.67	21.80			
450	451	3.96	67.0	.4	összszerszékülésnél J derékmag.	271.69	-244.31	21.90			
451	452	1.43	54.3	15.7	elágazás előtt B fal	272.49	-245.43	22.29			
Jobboldali ág											
452	453	2.73	119.3	-9.9	J 90 cm - csak festve	271.18	-247.77	21.82			
453	454	2.40	90.0	7.7		271.18	-250.15	22.14			
454	455	2.47	60.0	-5.0		272.41	-252.28	21.92			
455	456	3.23	111.0	4.7		271.25	-255.29	22.19			
456	457	2.64	34.7	14.9		273.35	-256.74	22.87			

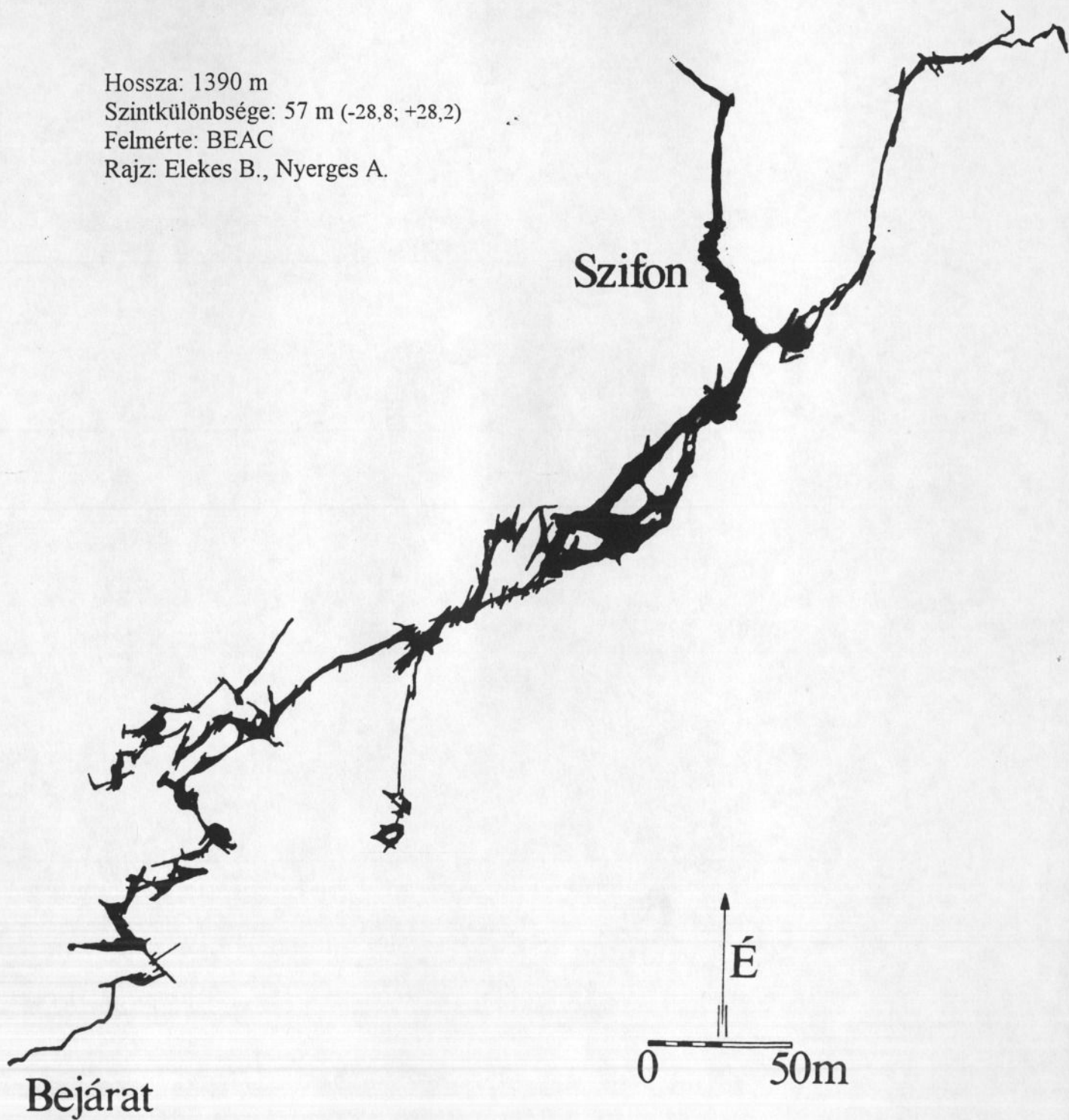
Ponttól	Pontig	Távolság ( m )	Irány- szög (fok)	Emel- kedés (fok)	Megjegyzés	Végpont			Hurokhiba		
						X (D-é)	Y (K-Ny)	Z (mag.)	X	Y	Z
457	458	4.55	68.0	-10.0							
458	459	2.39	74.0	14.1		275.03	-260.09	22.08			
459	460	7.07	160.0	-3.0		275.67	-263.12	22.66			
Baloldali ág						269.03	-265.54	22.29			
452	452.01	4.90	63.0	-6.0	Kuszoda eleje J lógó taréj	274.71	-249.77	21.77			
452.01	452.02	2.08	13.0	-5.0	Becsülve B hasadék indul	277.51	-250.42	21.75			
452.02	452.03	4.58	315.0	.0		280.75	-247.10	21.75			
Alsó járatok a felmászásnál											
440	440.01	6.10	5.0	.0		264.89	-219.82	16.84			
439	439.01	3.40	40.0	10.0		261.37	-221.44	15.09			
439.01	439.02	7.10	35.0	1.0		267.19	-225.51	15.21			
439.02	439.03	4.00	130.0	-1.0		264.62	-228.50	15.14			
A Három Királyok oldalág mérése suntóval és cm-szalaggal											
45.05	45.06	1.60	70.0	.0		73.44	-23.77	2.75			
45.06	45.07	1.40	.0	-90.0		73.44	-23.77	1.35			
45.07	45.08	3.10	229.0	-12.0		71.45	-21.49	.71			
45.08	45.09	10.50	13.0	2.0		81.67	-23.85	1.07			
45.09	45.10	8.00	253.0	-2.0	A keresztvasadék vége fele	79.33	-16.20	.79			
45.10	45.11	1.00	.0	-90.0		79.33	-16.20	-.21			
45.11	45.12	6.35	254.0	-15.0		77.64	-10.30	-1.05			
45.11	45.13	4.00	254.0	-15.0		78.27	-12.49	-1.24			
45.13	45.14	3.50	312.0	-30.0	Oldalág az aktív nyelű felé	80.30	-10.23	-2.99			
45.14	45.15	7.55	42.0	11.0		85.81	-15.19	-1.55			
45.15	45.16	7.40	89.0	-2.0		85.93	-22.59	-1.81			
45.16	45.17	6.83	53.0	.0		90.05	-28.04	-1.81			
45.17	45.18	6.31	40.0	.0		94.27	-32.73	-1.81			
45.18	45.19	5.12	135.0	2.0		90.65	-36.35	-1.63			
45.19	45.20	6.00	49.0	2.0		95.11	-41.40	-1.39			
45.20	45.21	13.22	29.0	.0		106.67	-47.89	-1.39			
45.12	45.50	3.40	217.0	.0		74.93	-8.26	-1.85			
45.50	45.51	3.90	284.0	4.0		75.07	-4.40	-1.58			
45.51	45.52	7.30	193.0	-11.0		68.89	-2.07	-2.97			
45.52	45.53	3.40	191.0	-3.0		65.56	-2.22	-3.15			
45.53	45.54	5.30	240.0	.0		62.91	2.37	-3.15			

Megjegyzések:

A poligonszárak összhossza: 1280.36 m

# KOSSUTH-BARLANG

Hossza: 1390 m  
Szintkülönbsége: 57 m (-28,8; +28,2)  
Felmérte: BEAC  
Rajz: Elekes B., Nyerges A.



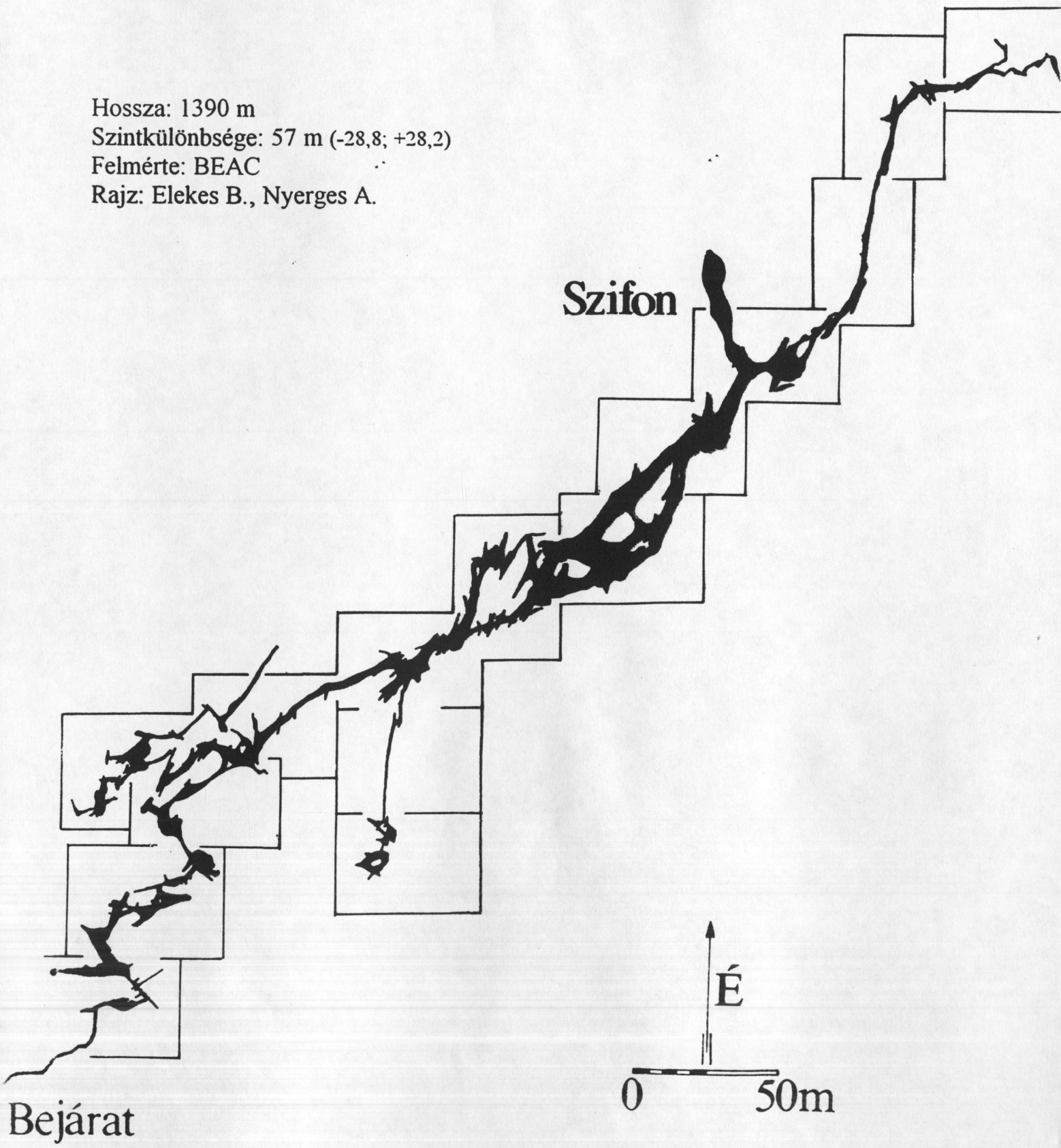
# KOSSUTH-BARLANG

Hossza: 1390 m

Szintkülönbsége: 57 m (-28,8; +28,2)

Felmérte: BEAC

Rajz: Elekes B., Nyerges A.



# KOSSUTH-BARLANG

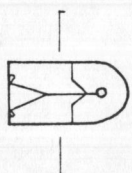
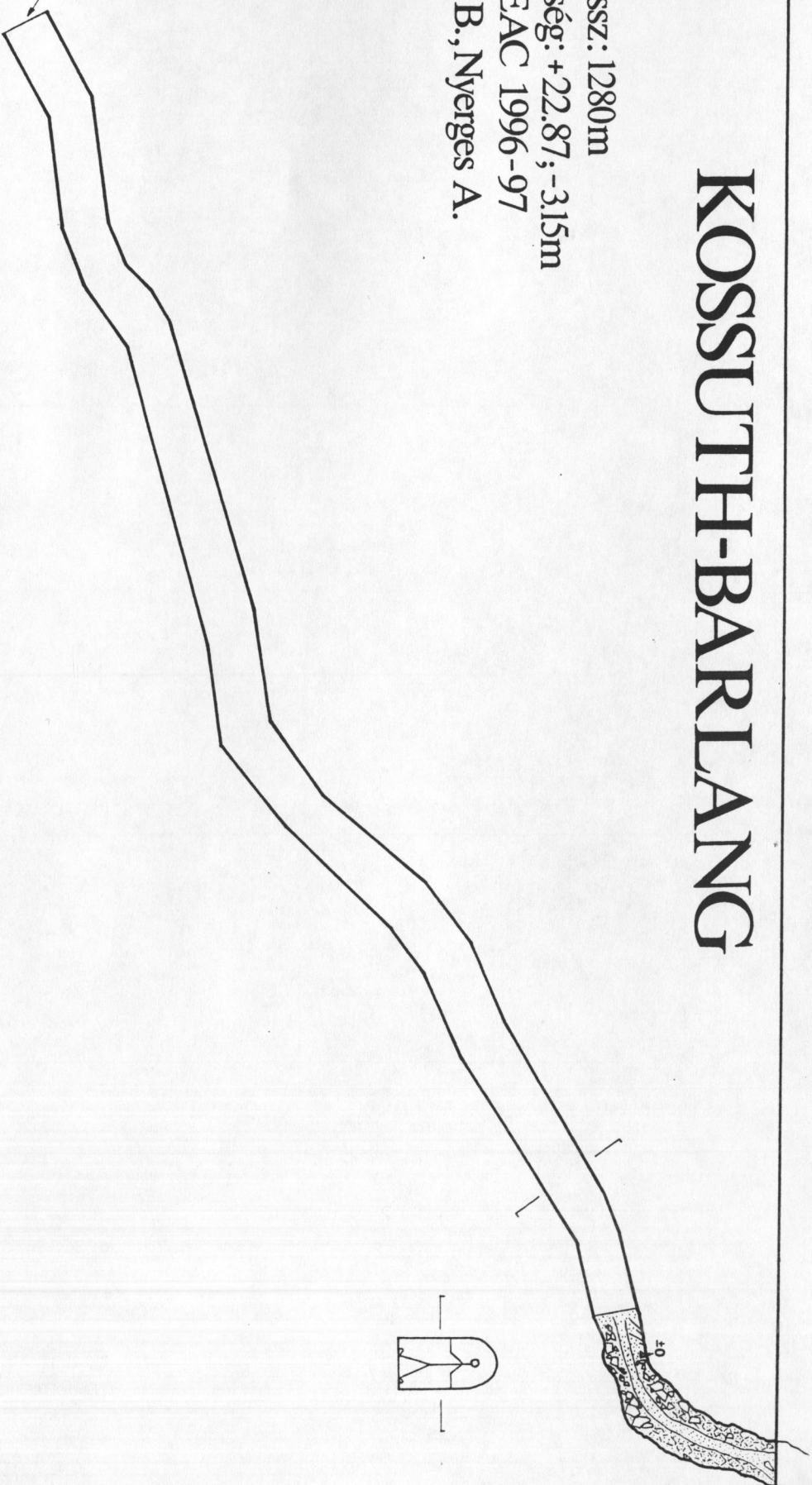
Felmért hossz: 1280m

Szintkülönbség: +22.87; -3.15m

Felmérte: BEAC 1996-97

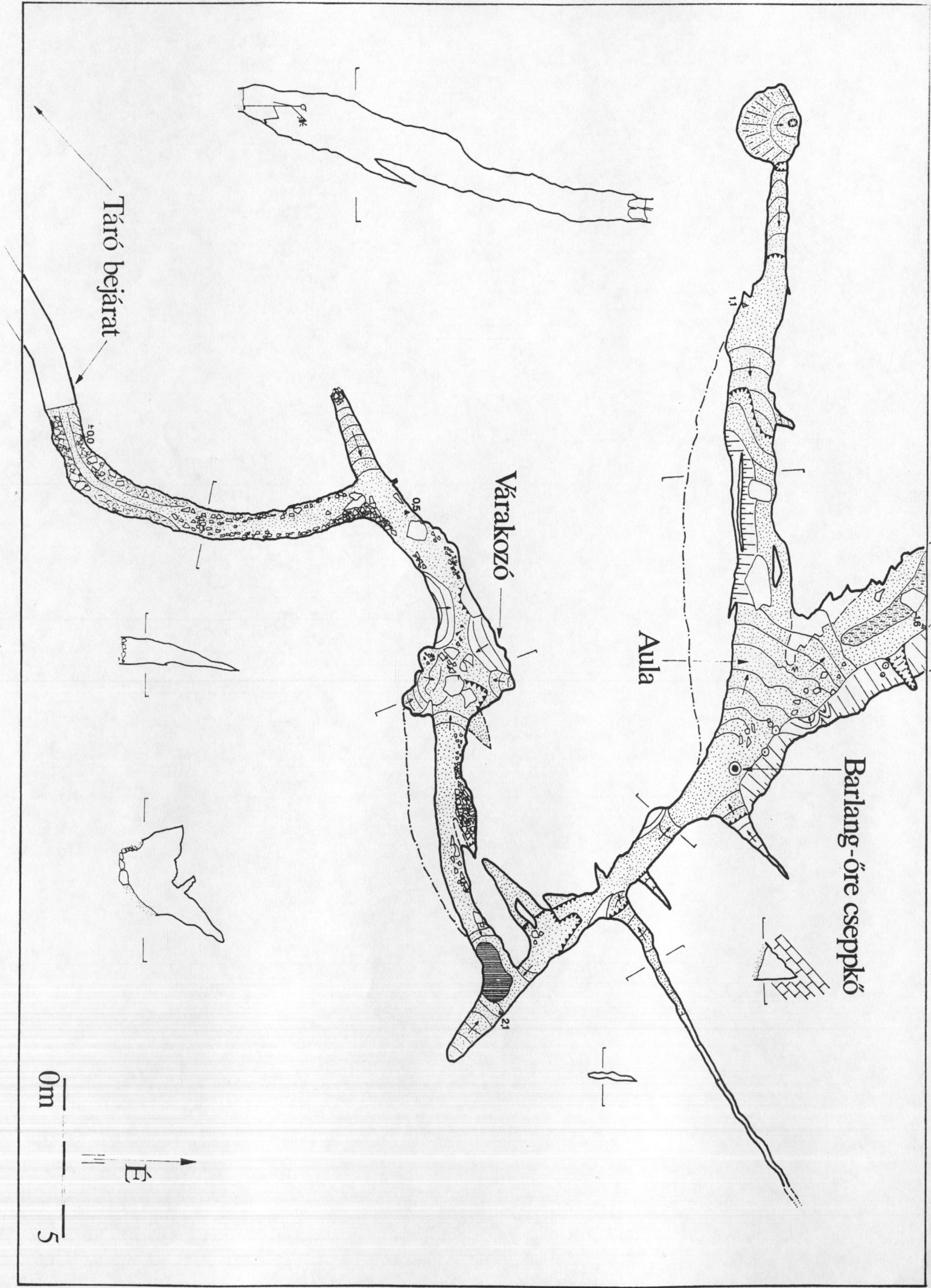
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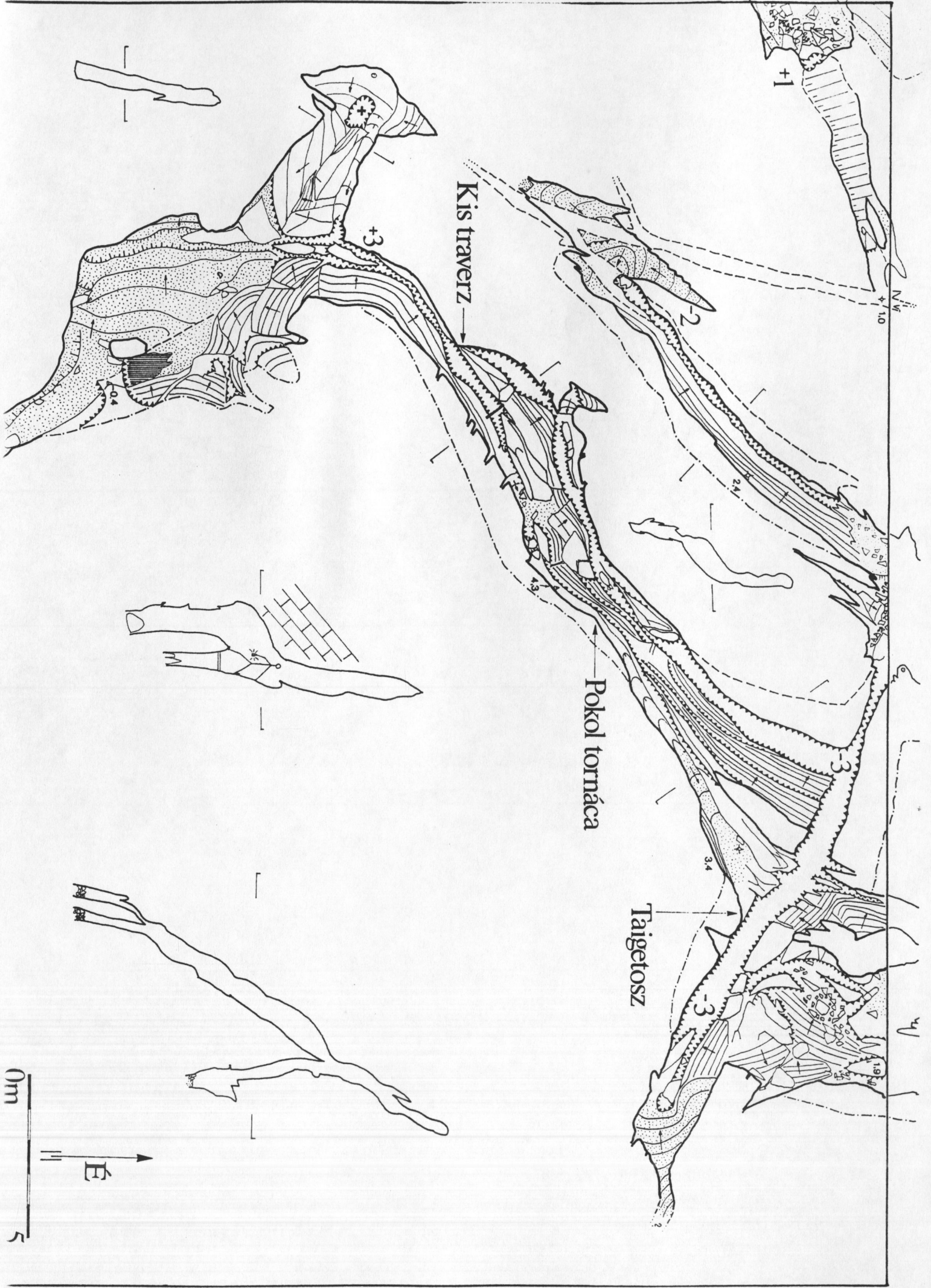
Bejárat

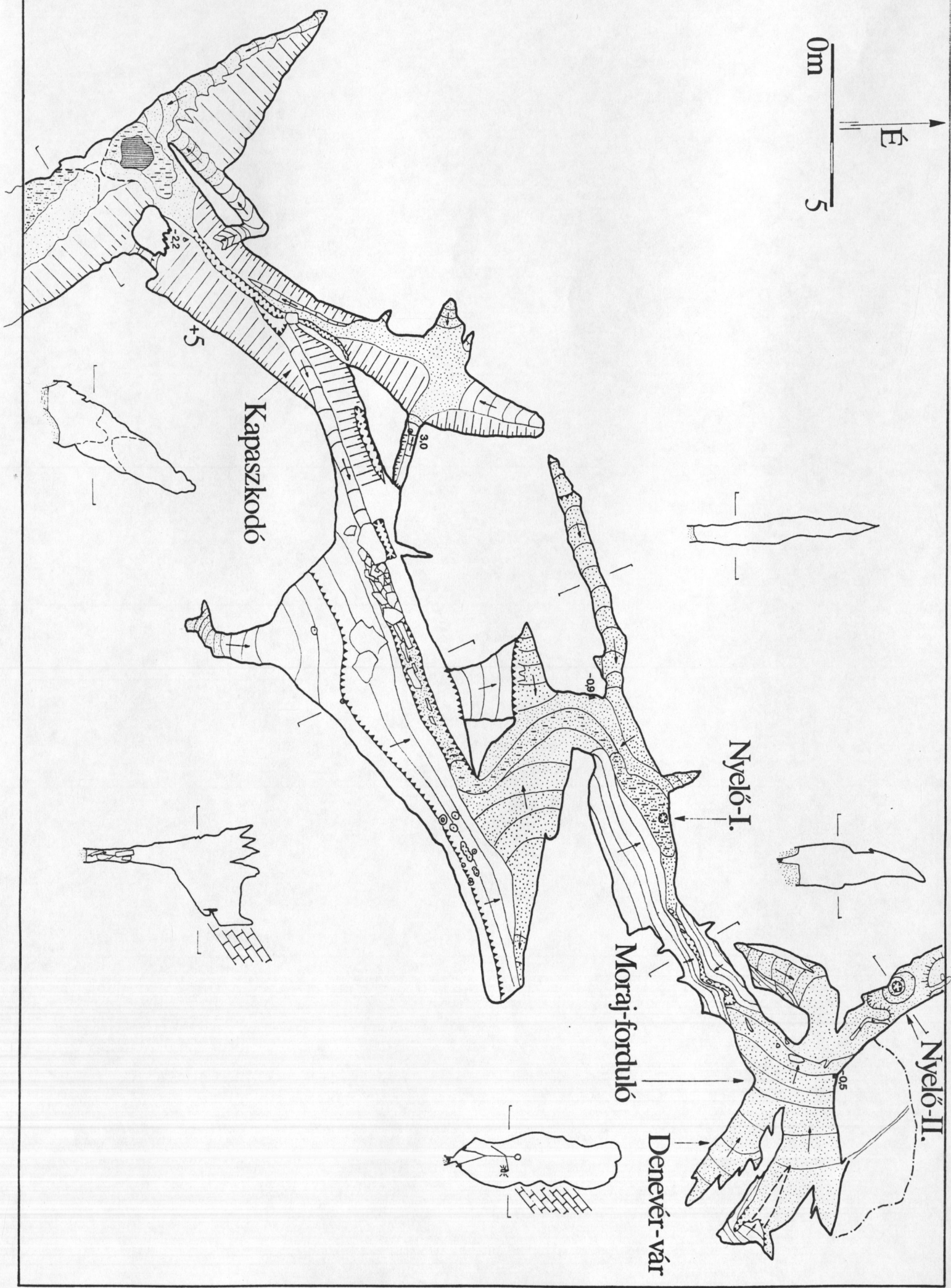
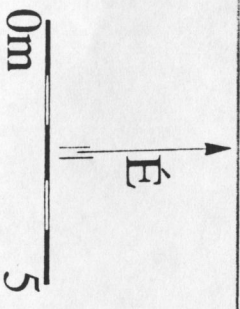


0m 5

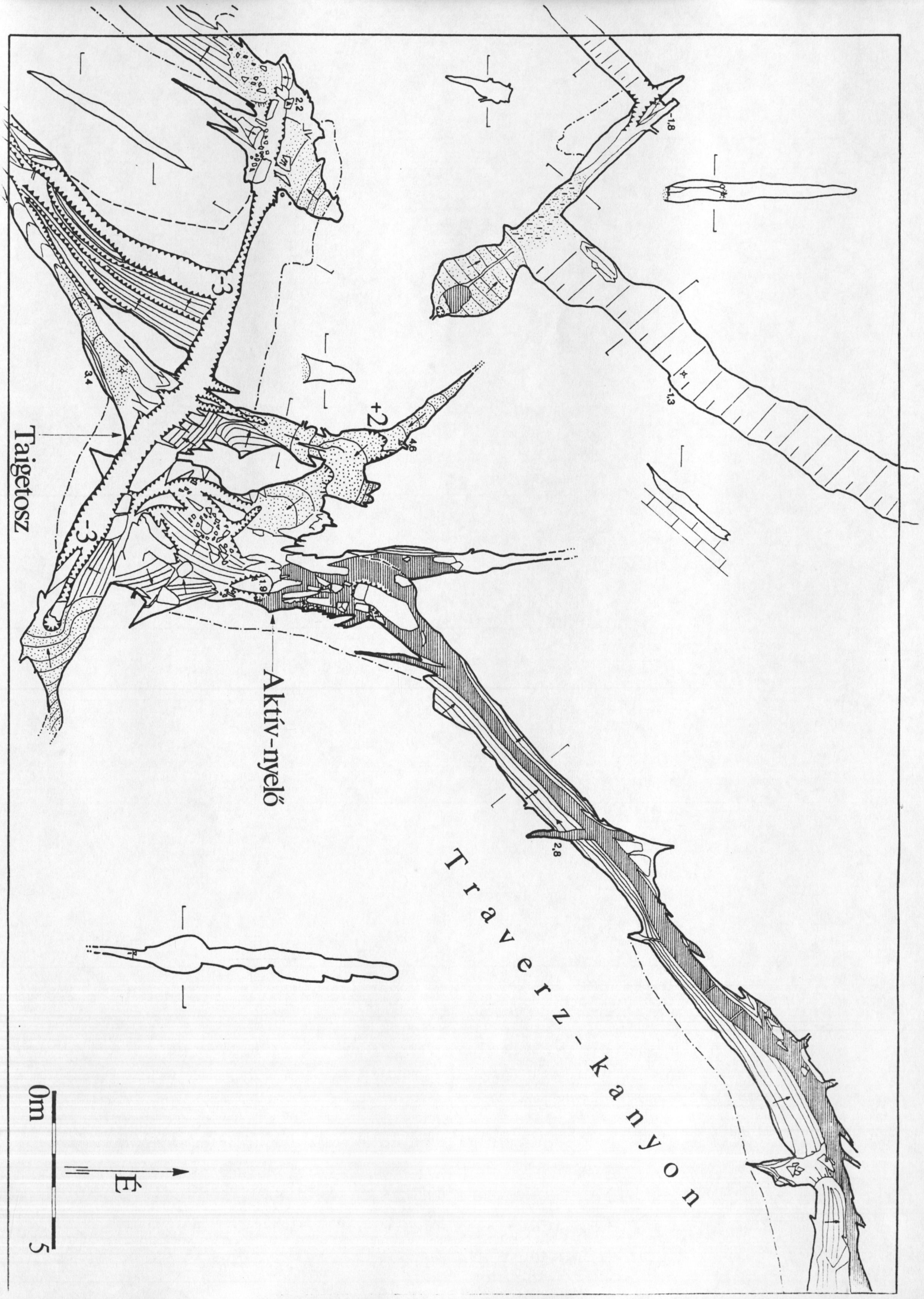
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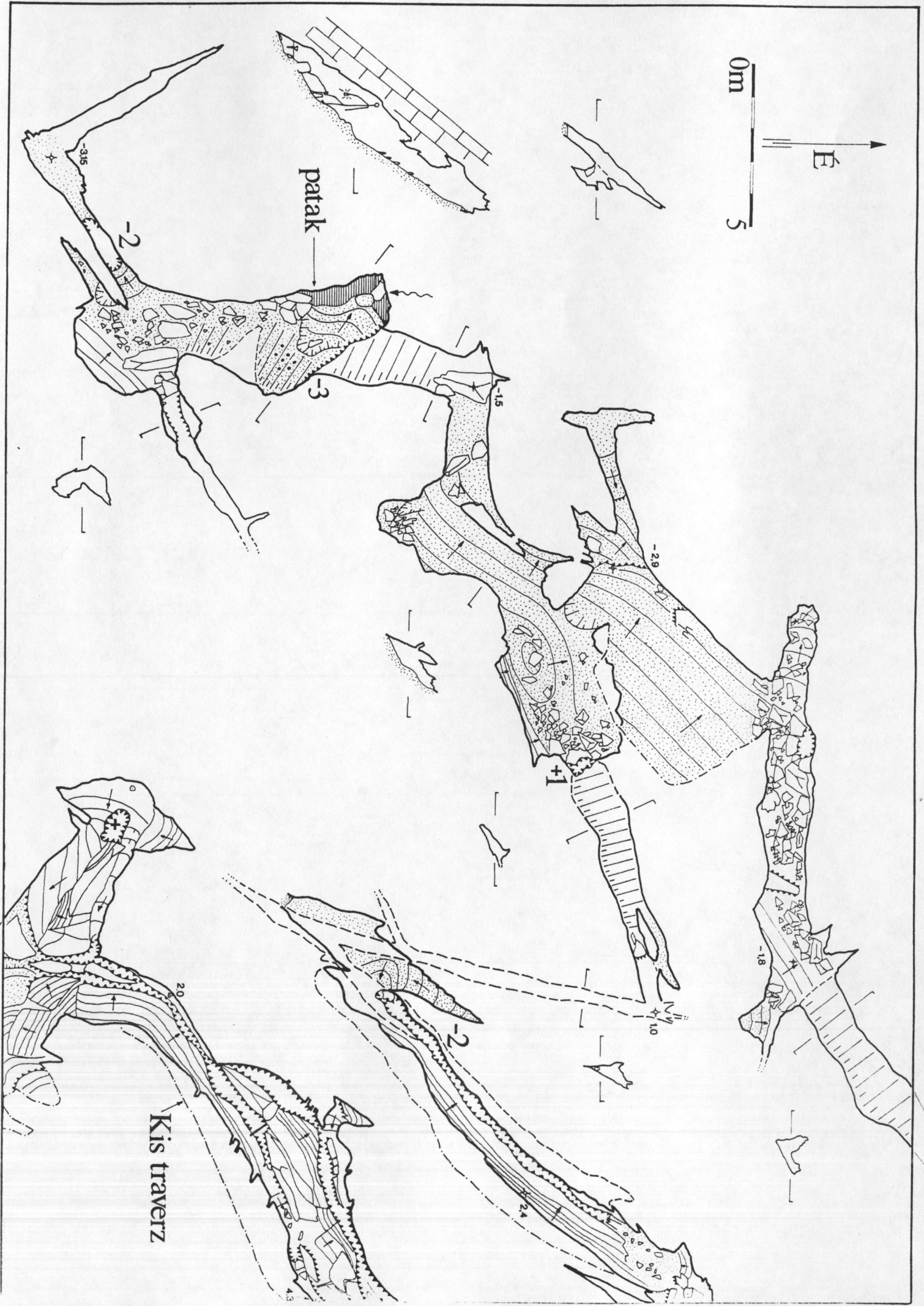


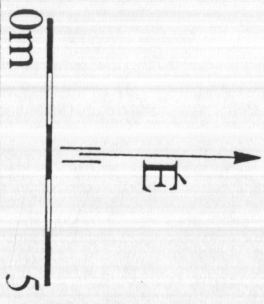
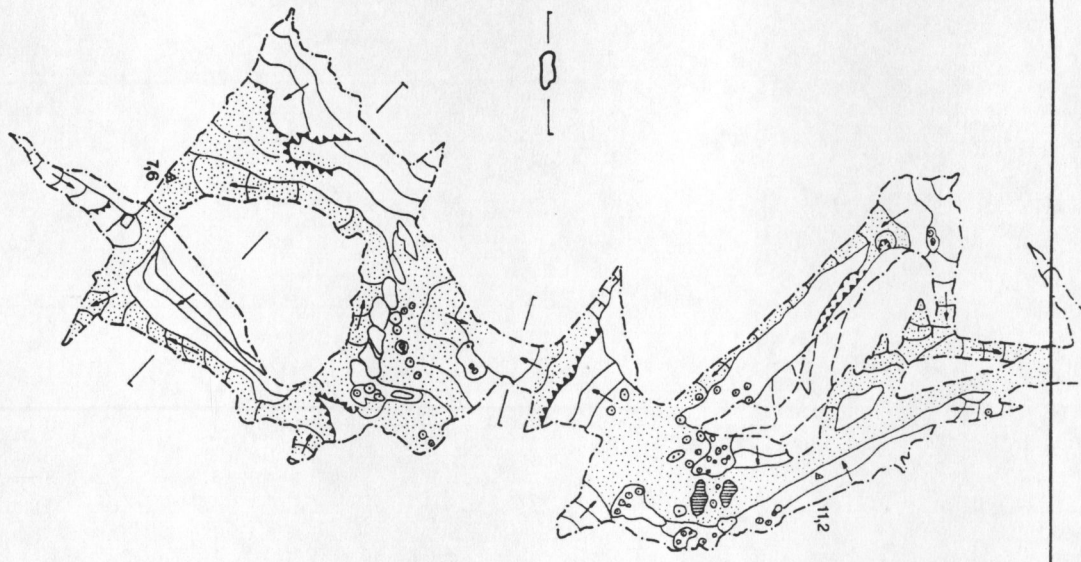


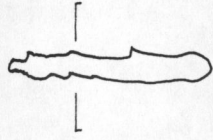
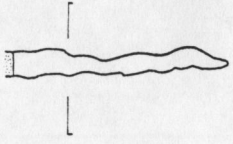
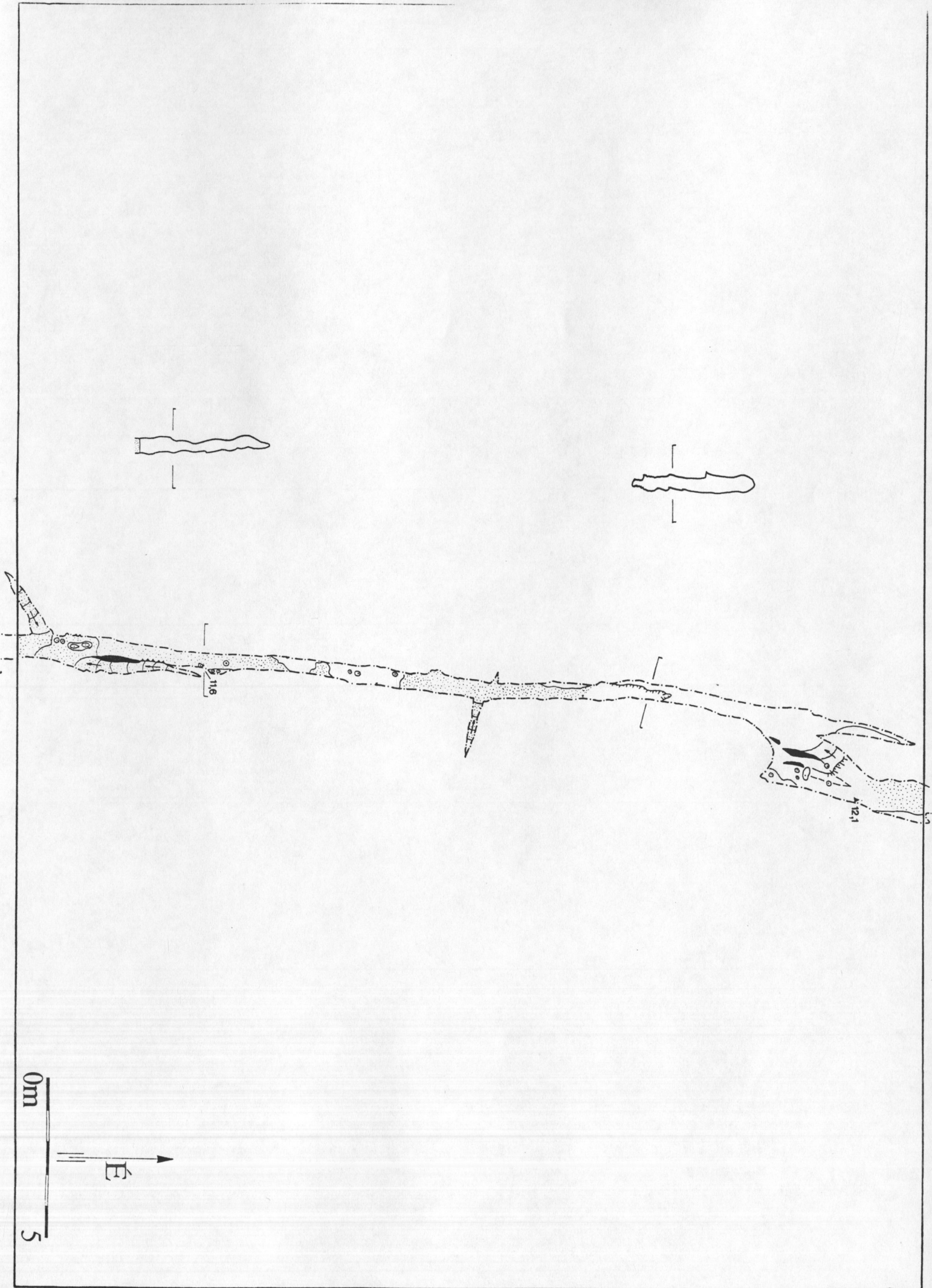










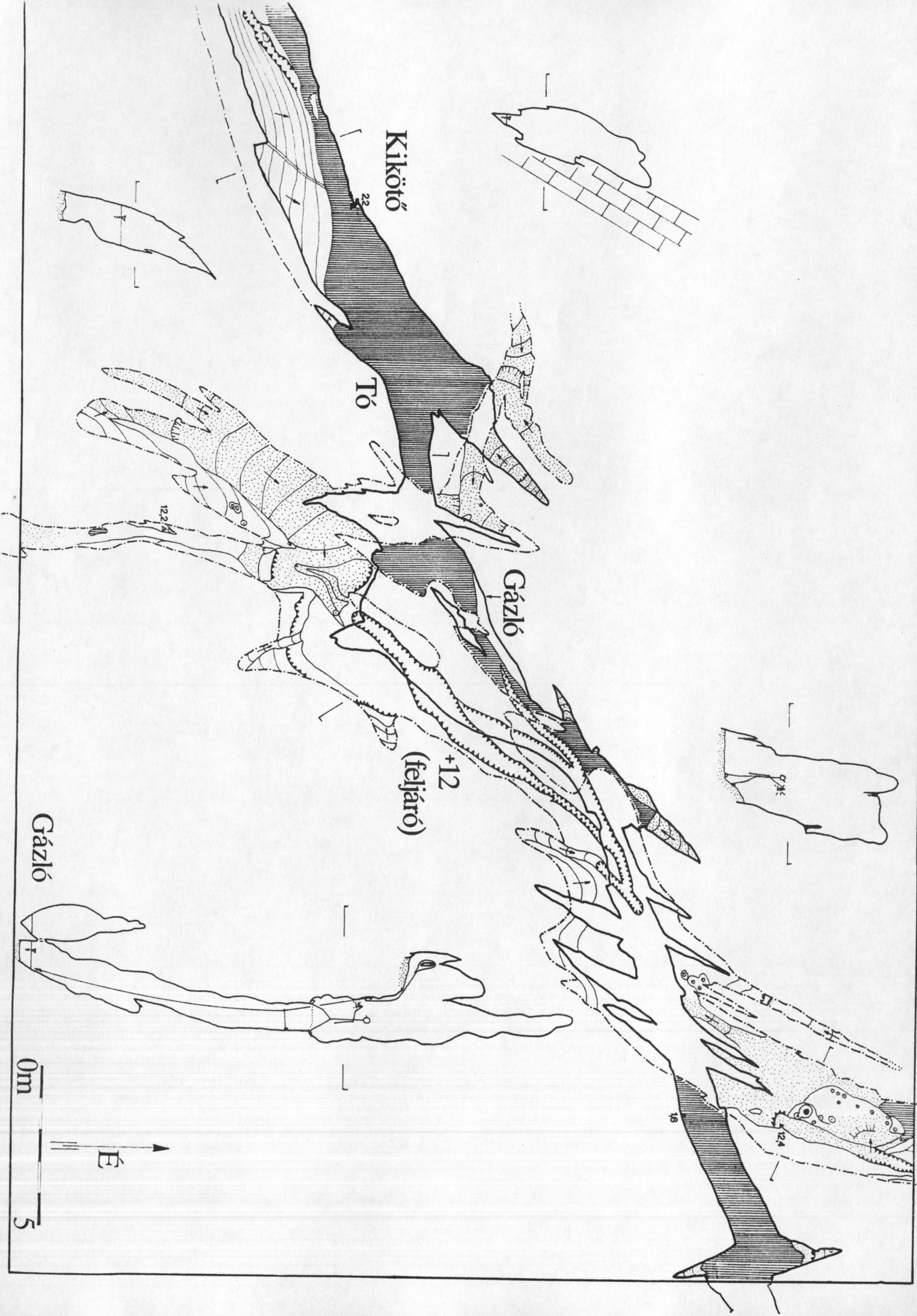


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121

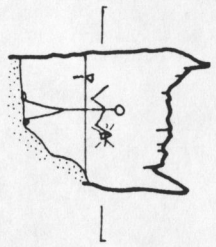
0m  
5

E



0m  
5

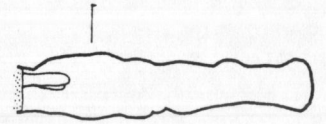
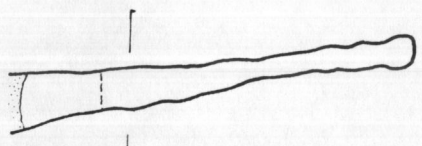
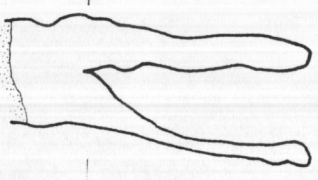
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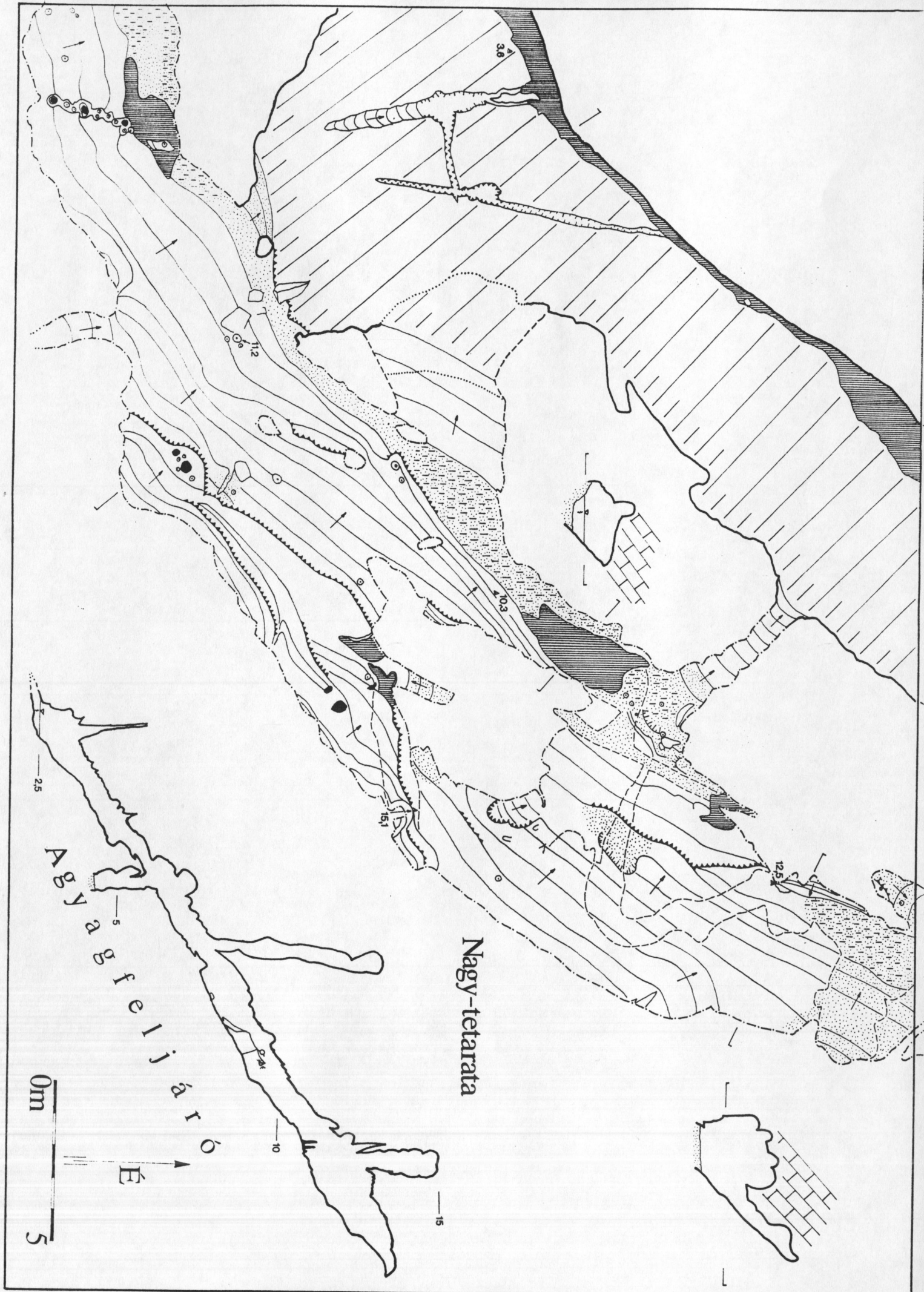


Tó

Bukógát

Zuhatag





Nagy-tetarata

Aggafeljáró

0m 5

É

3.8

11.2

10.3

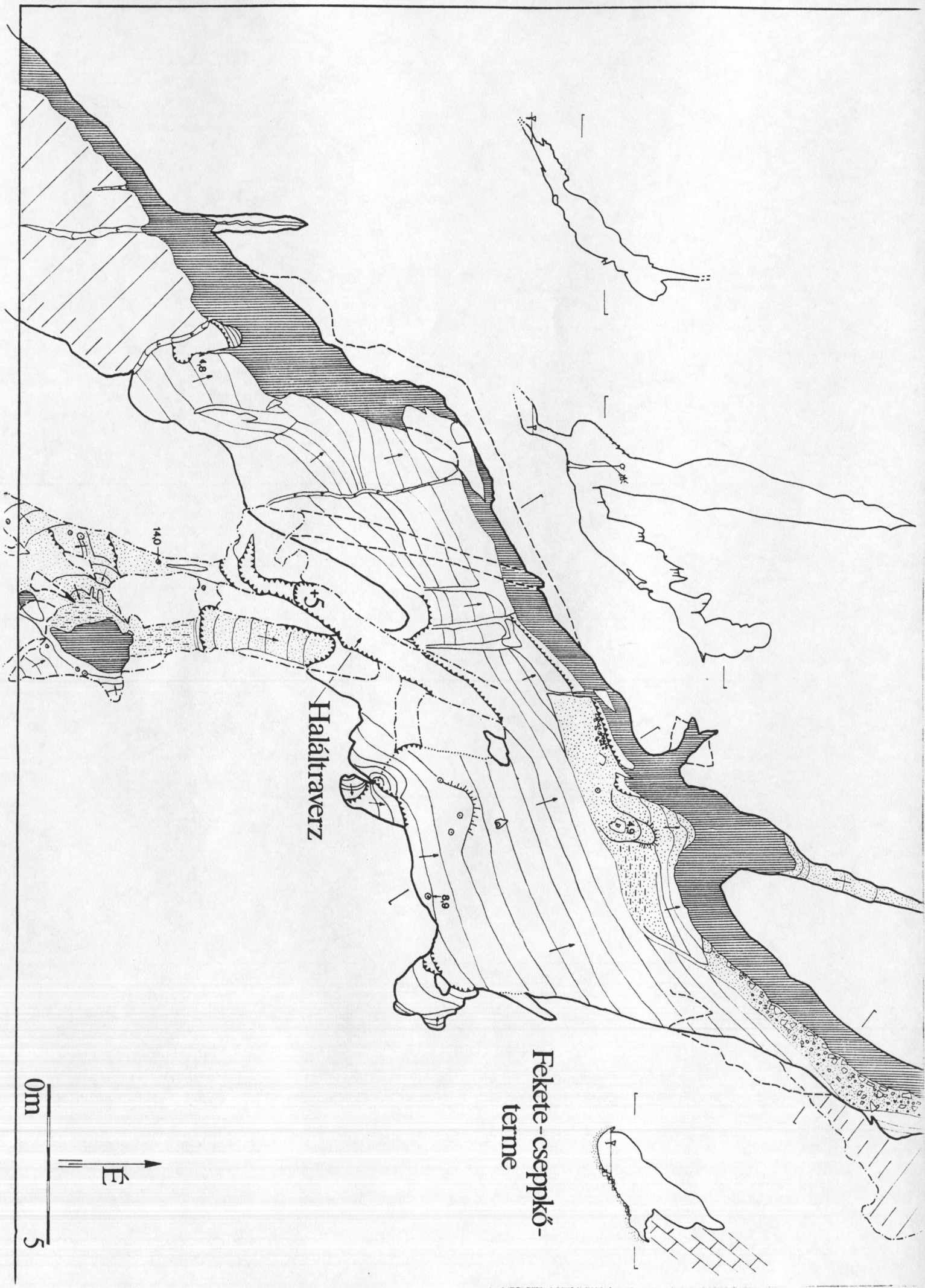
15.1

12.5

15

10

2.5



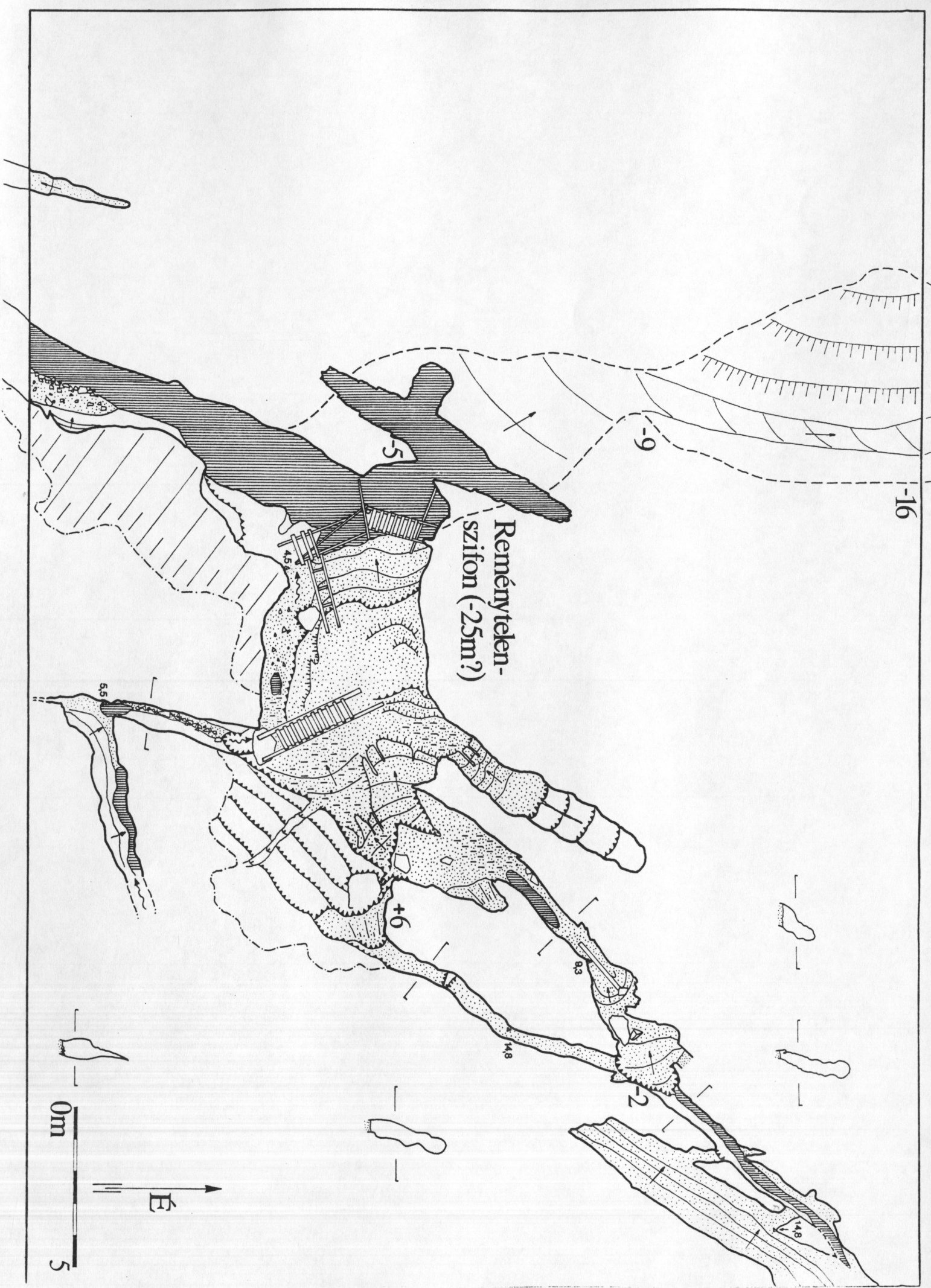
Fekete-cseppkő-  
terme

Haláltraverz

0m 5

É





Reménytelen-  
szifon (-25m?)

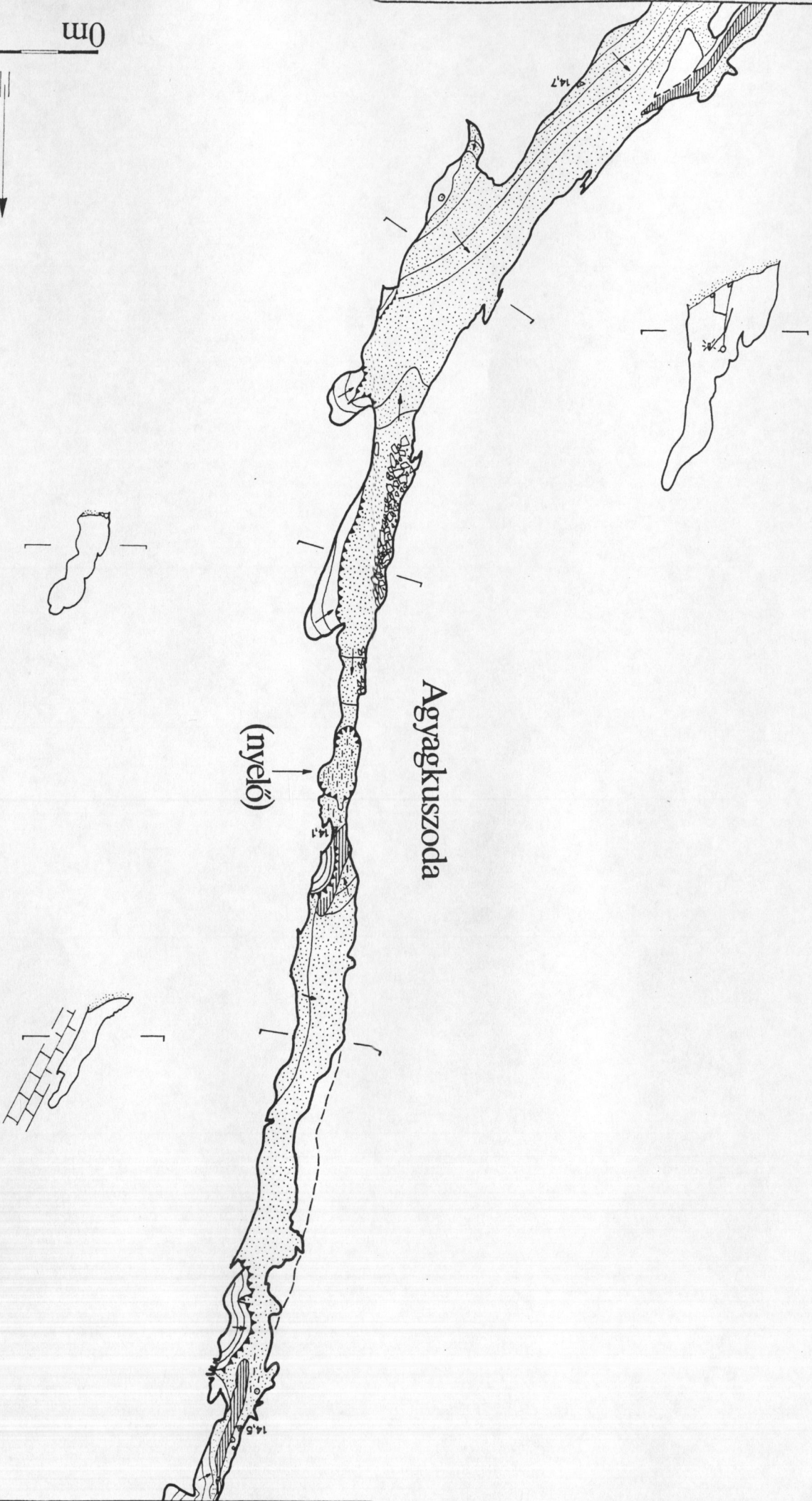
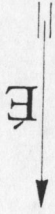
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É

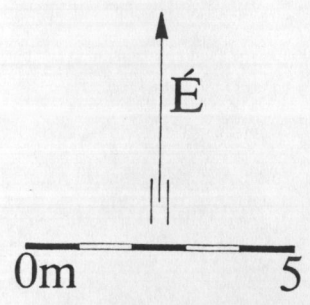
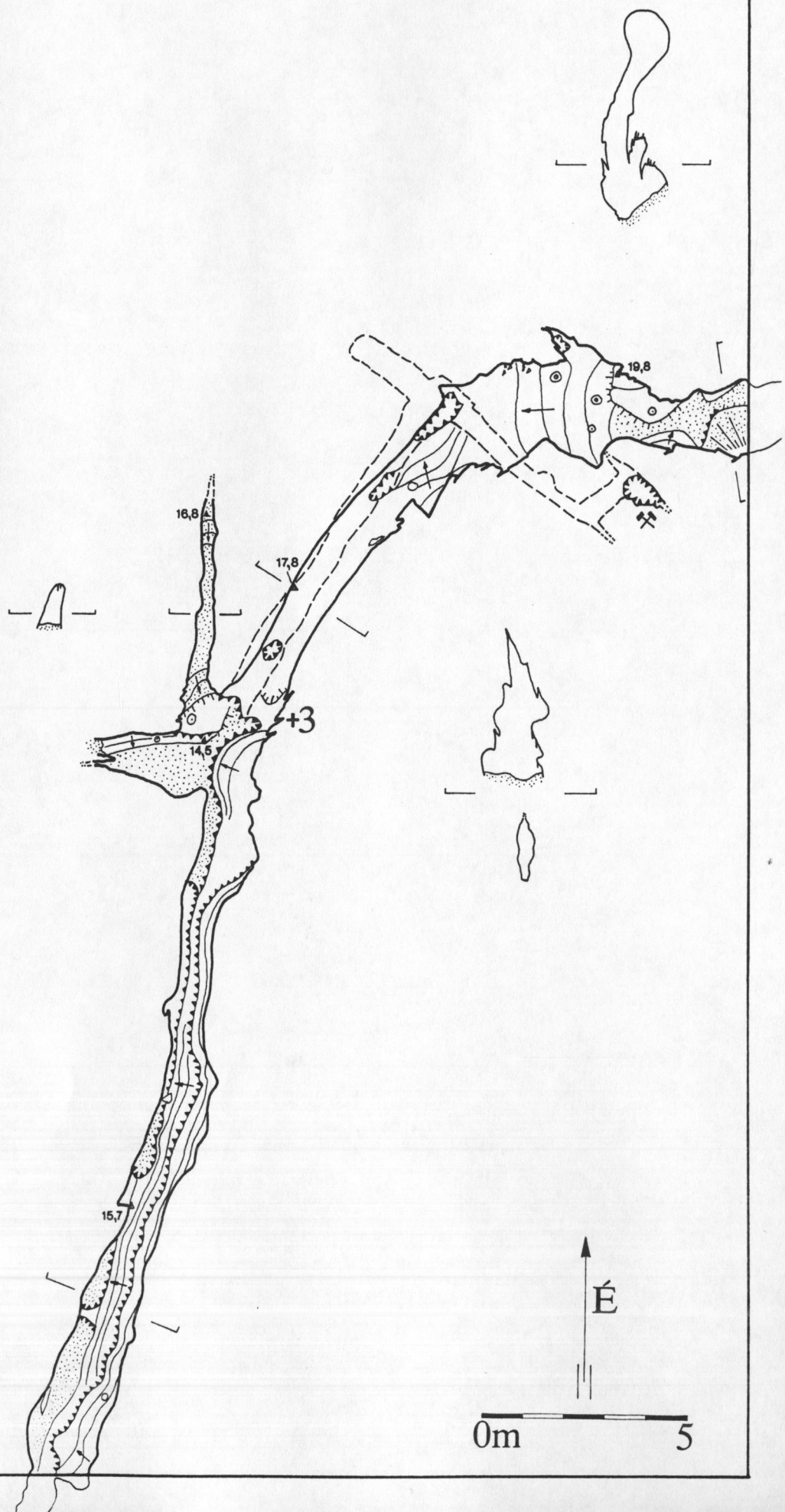
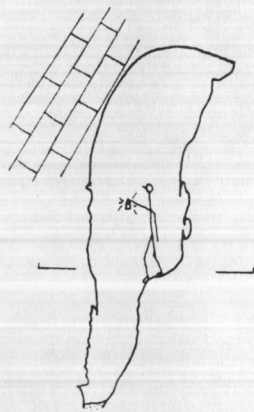
0m

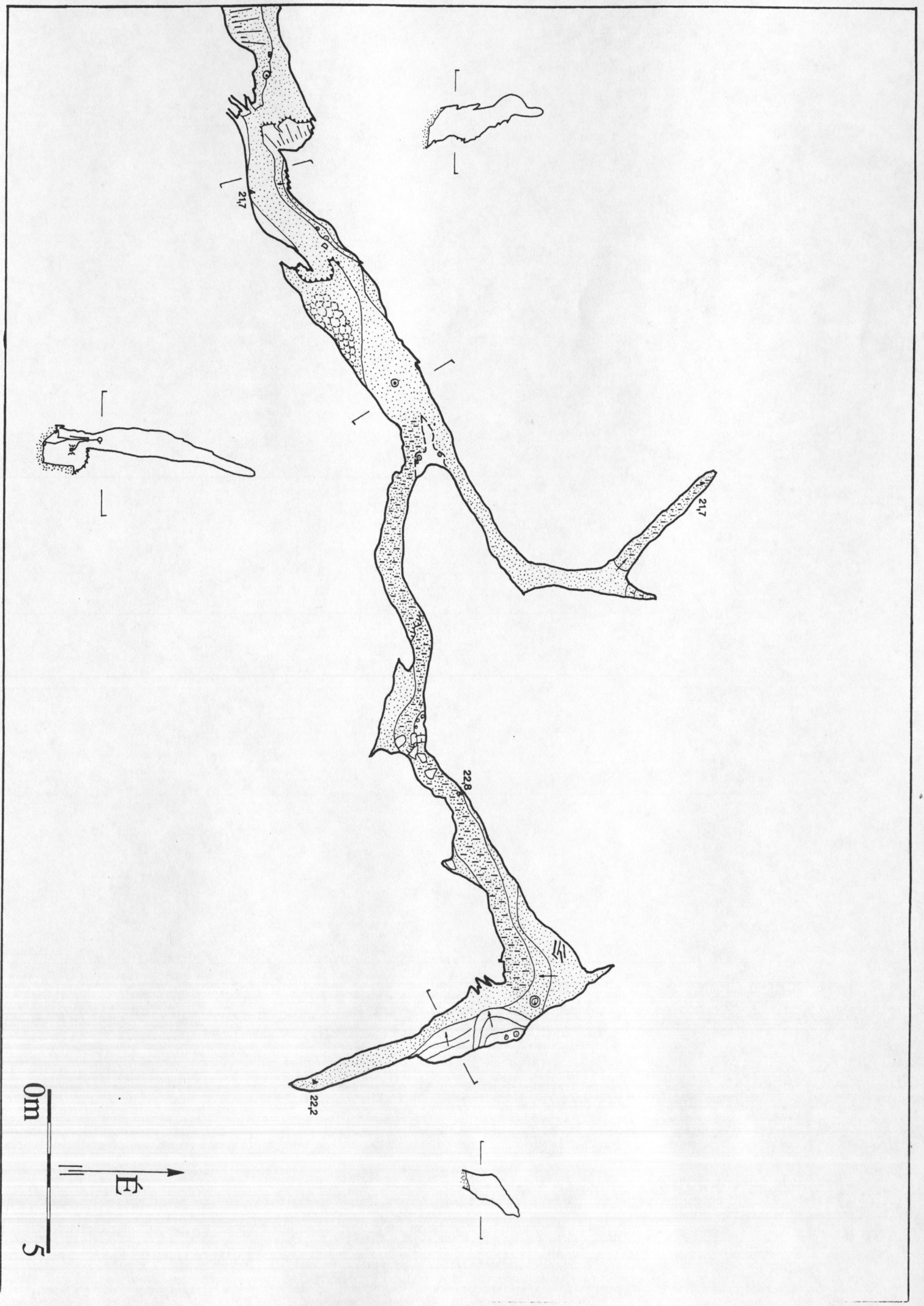
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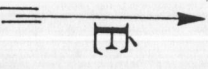
Aggagkuszoda

(nyelő)





0m 5



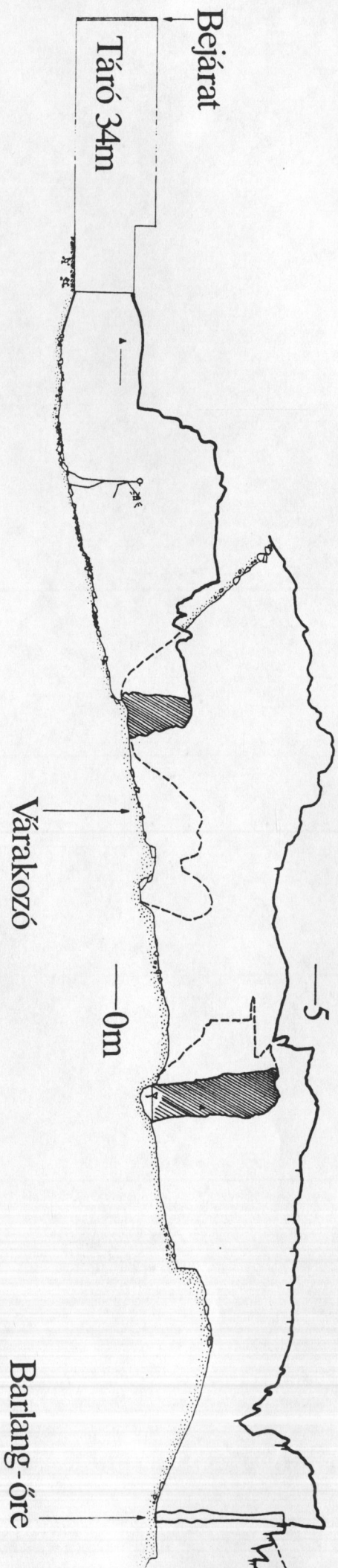
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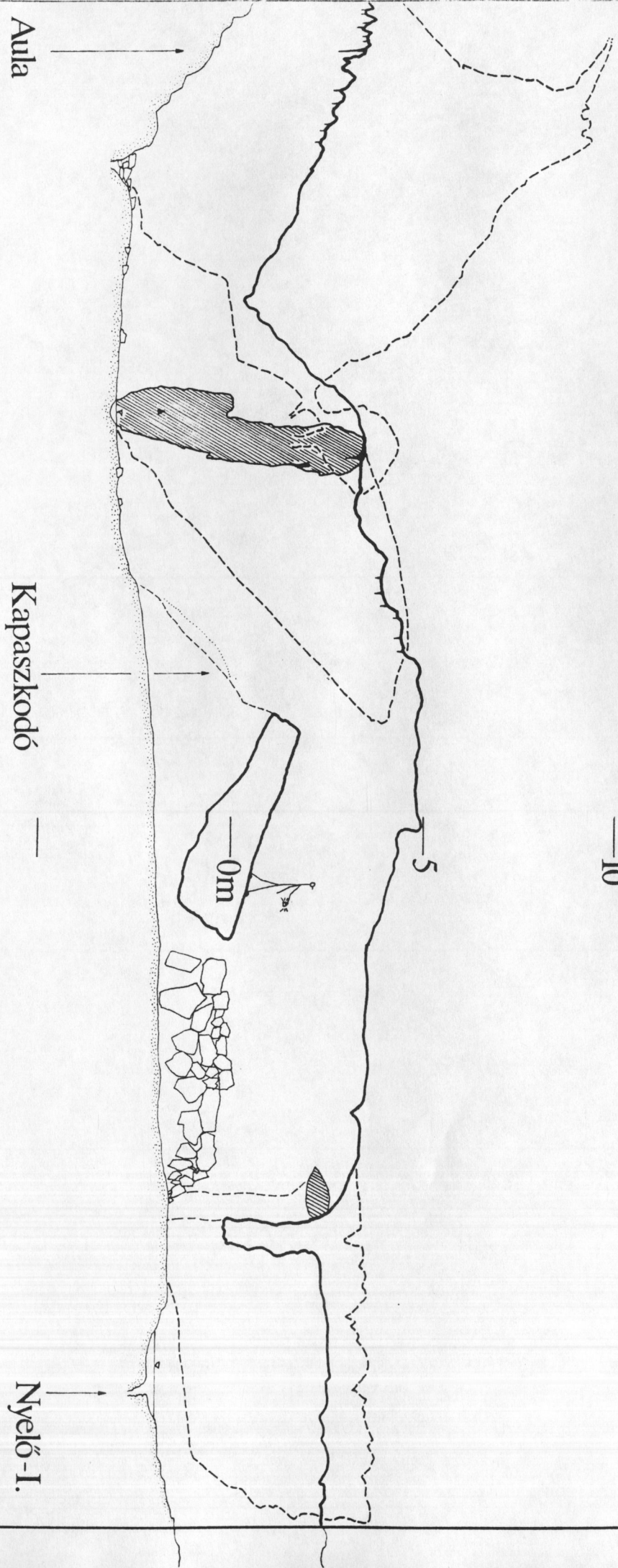
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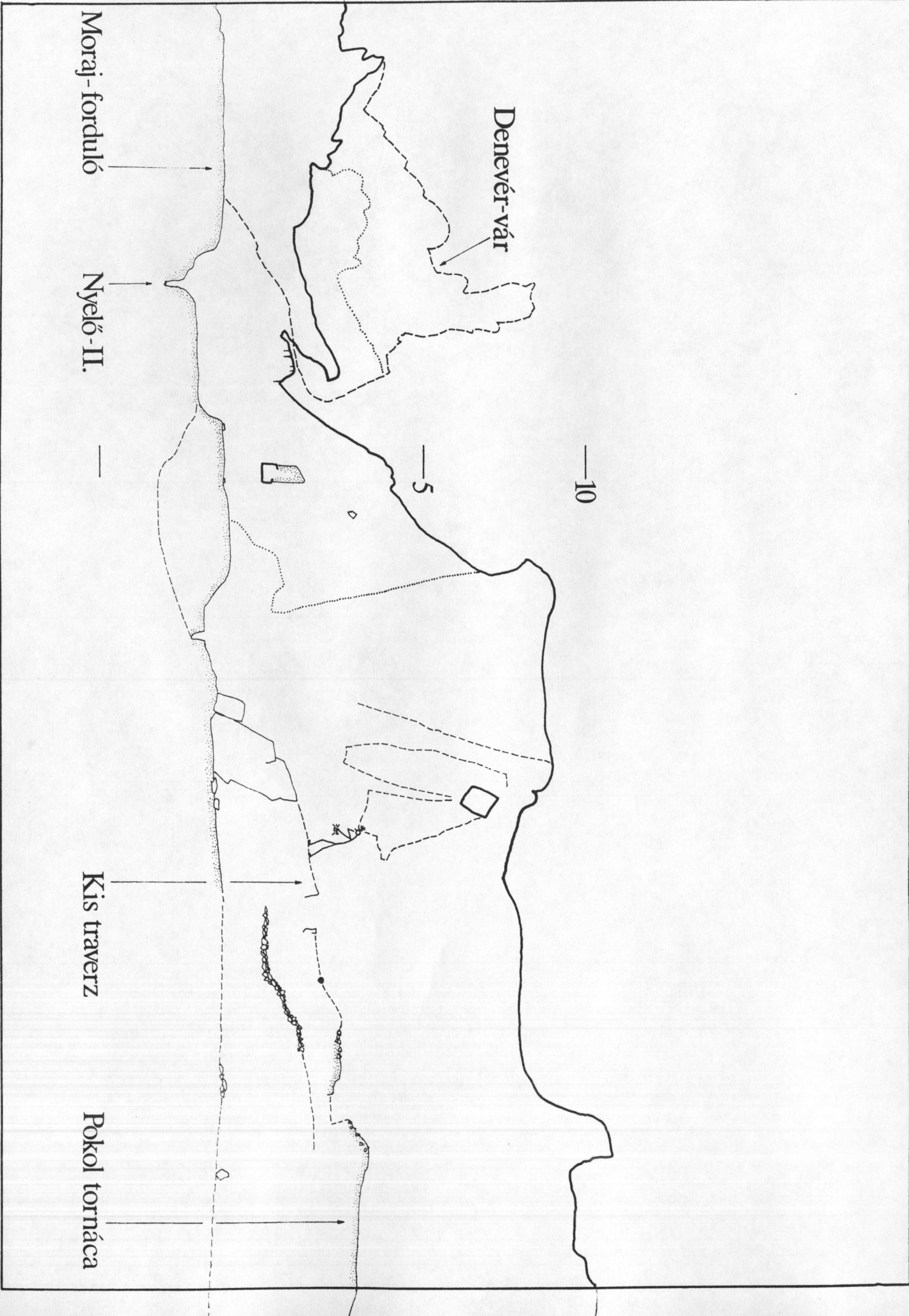
228

222

# KOSSUTH-BARLANG



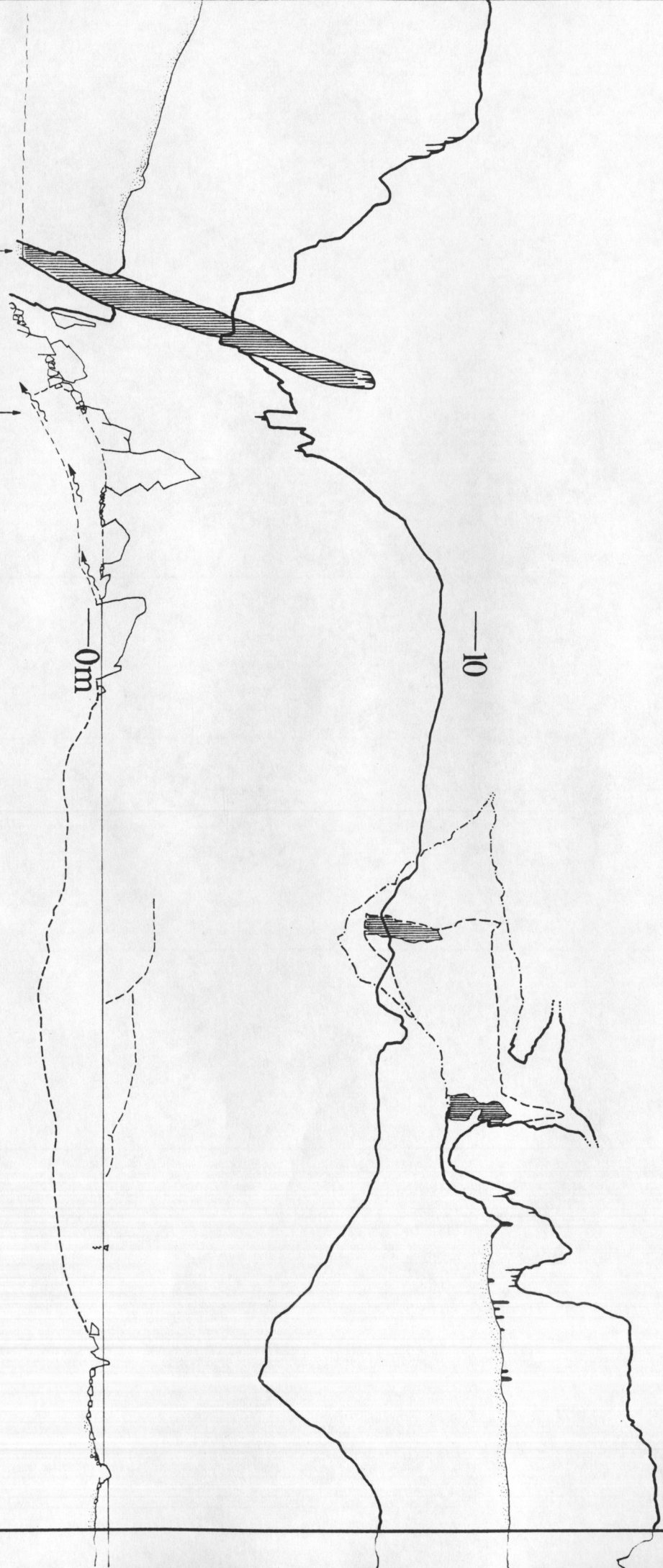




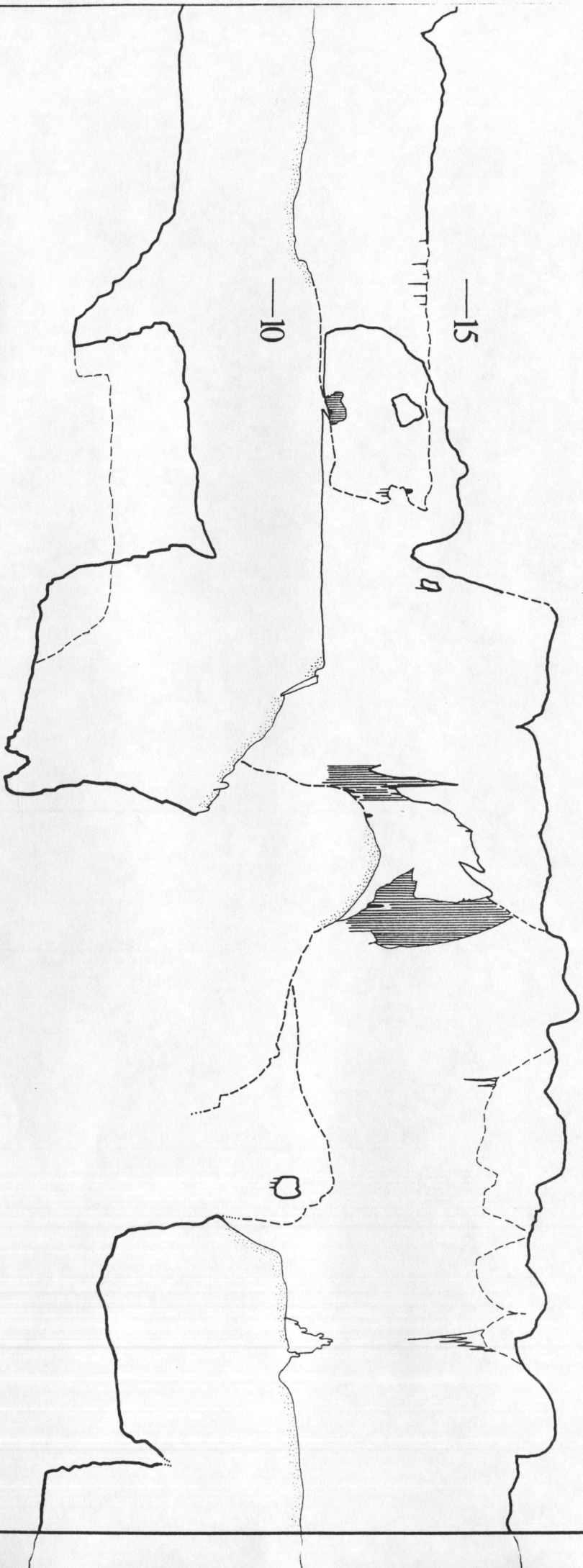
Taigetosz

Aktív-nyelő

T r a v e r z - k a n y o n







—15

—10

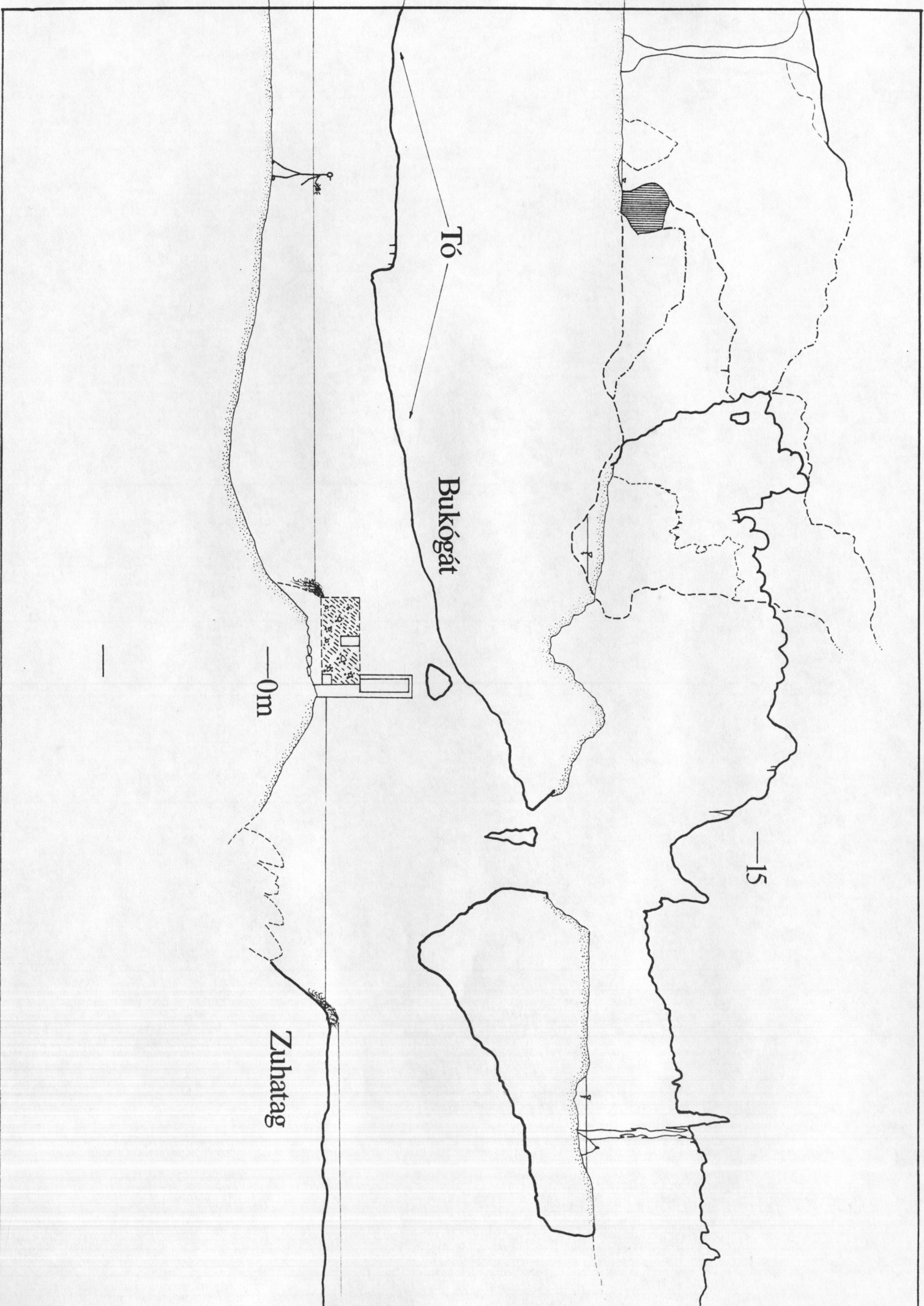
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Kikötő

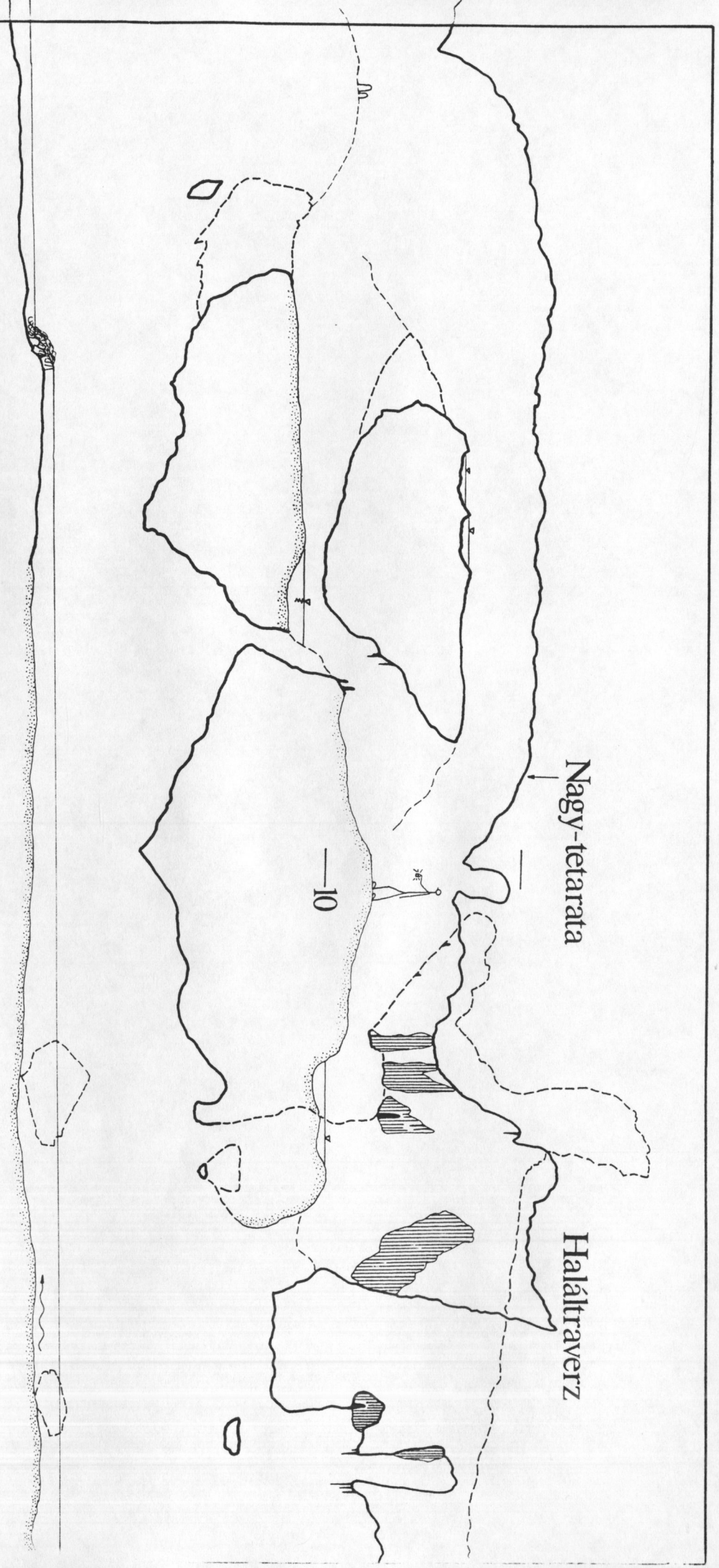
Tó

Gázló





Agyagfeljáró



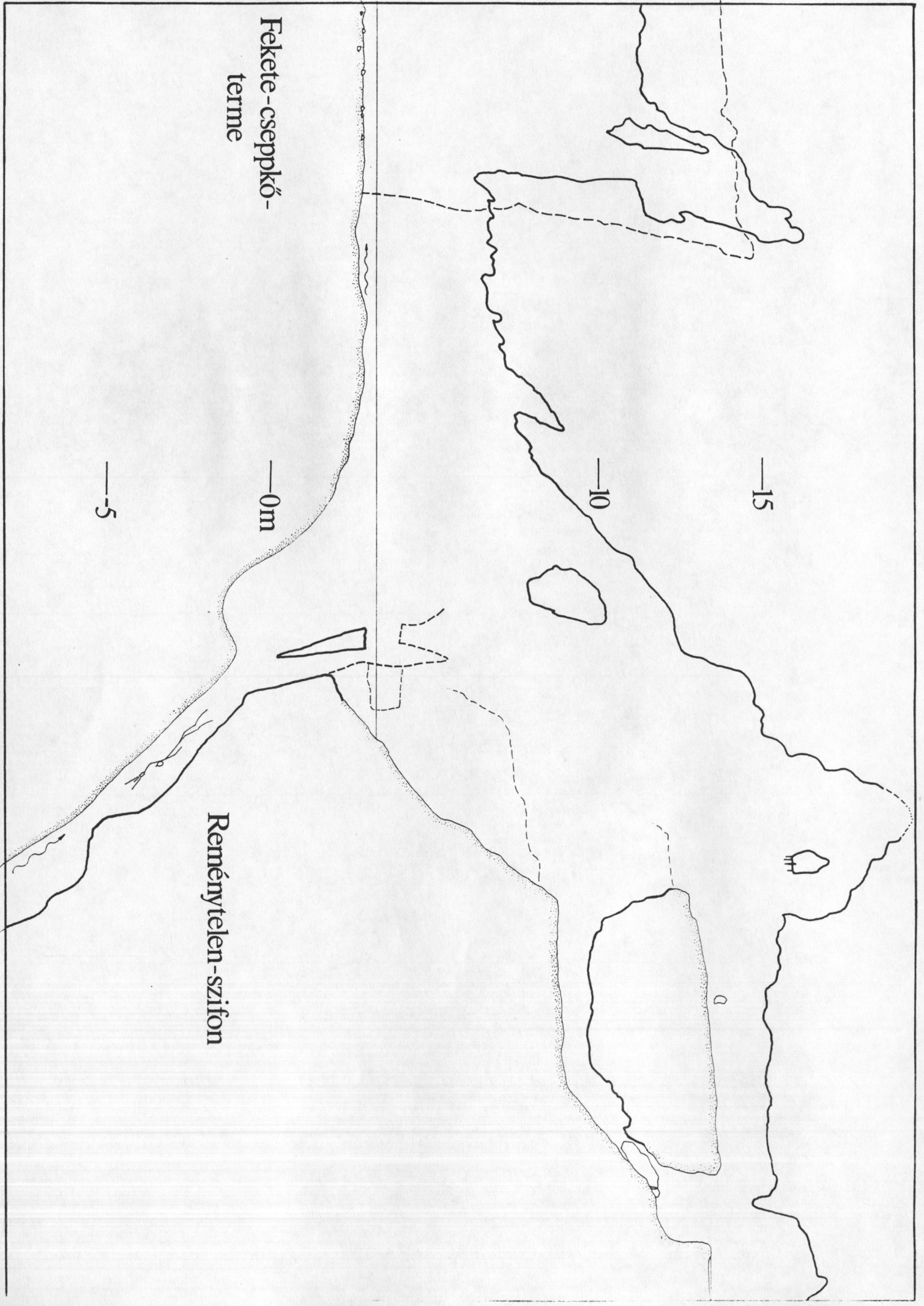
Nagy-tetarata

Haláltraverz

10

0m

—



Fekete-cseppkő-  
terme

-5

-0m

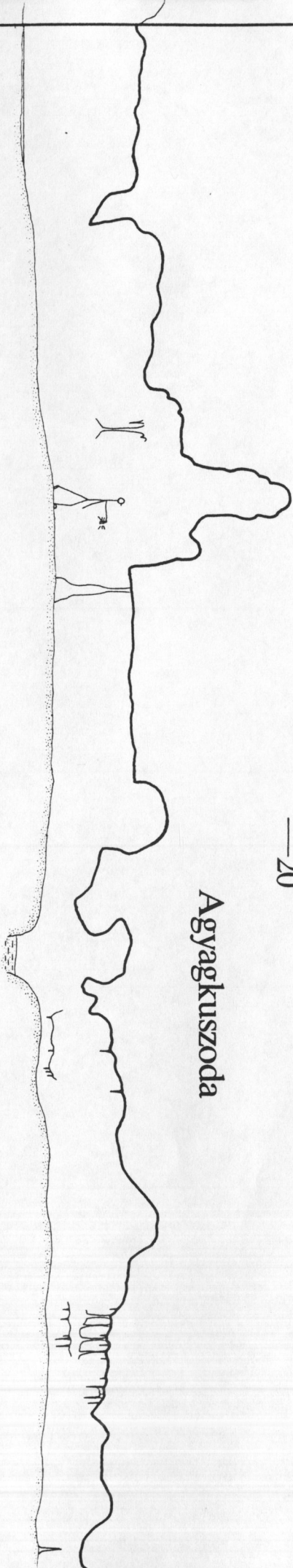
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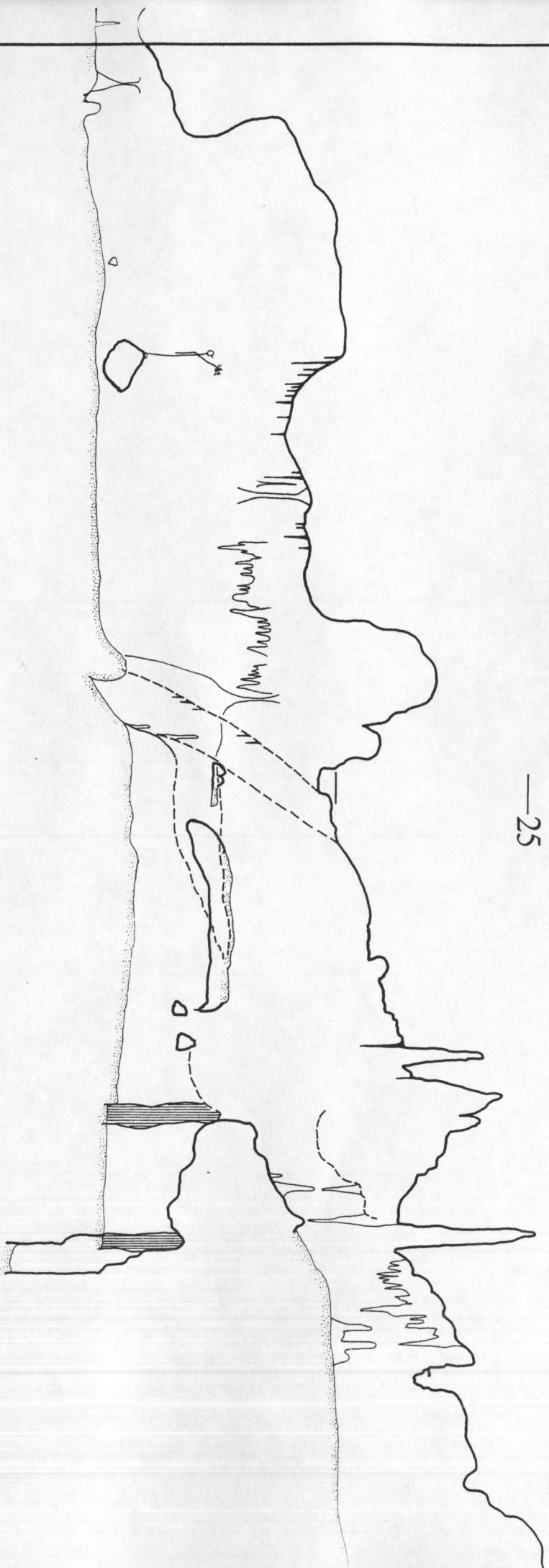
Reménytelen-szifon

—20

Agyagkuszoda

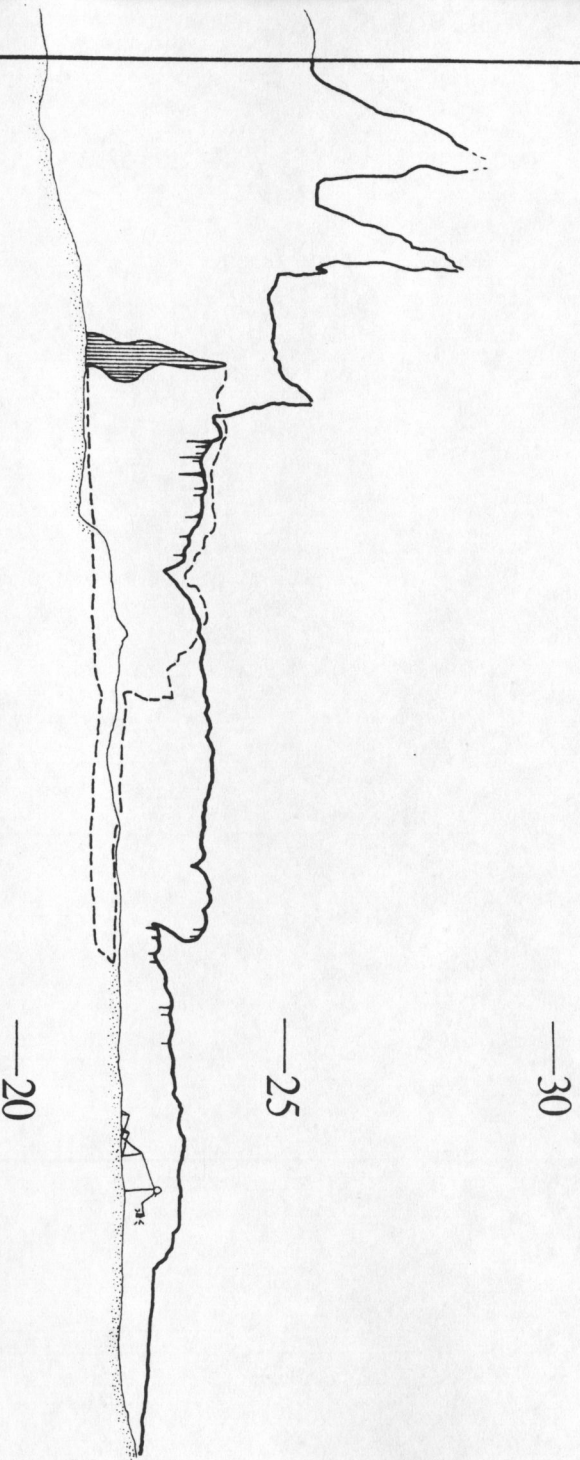


—10



—25

—10

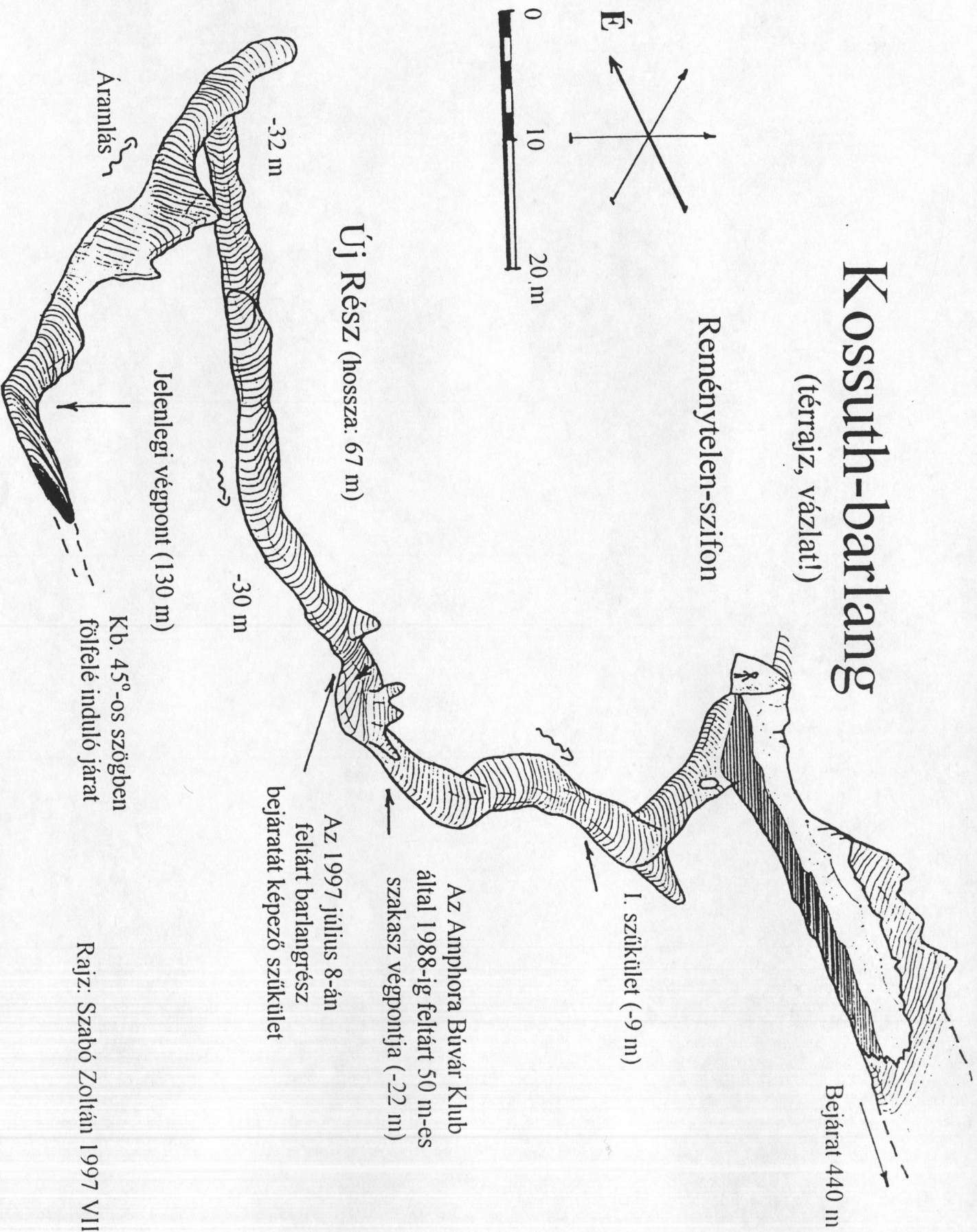


Végpont

# Kossuth-barlang

(térrajz, vázlat!)

Reménytelen-szifon



Bejárat 440 m

1. szűkület (-9 m)

Az Amphora Búvár Klub  
által 1988-ig feltárt 50 m-es  
szakasz végpontja (-22 m)

Az 1997 július 8-án  
feltárt barlangrész  
bejáratát képező szűkület

Jelenlegi végpont (130 m)

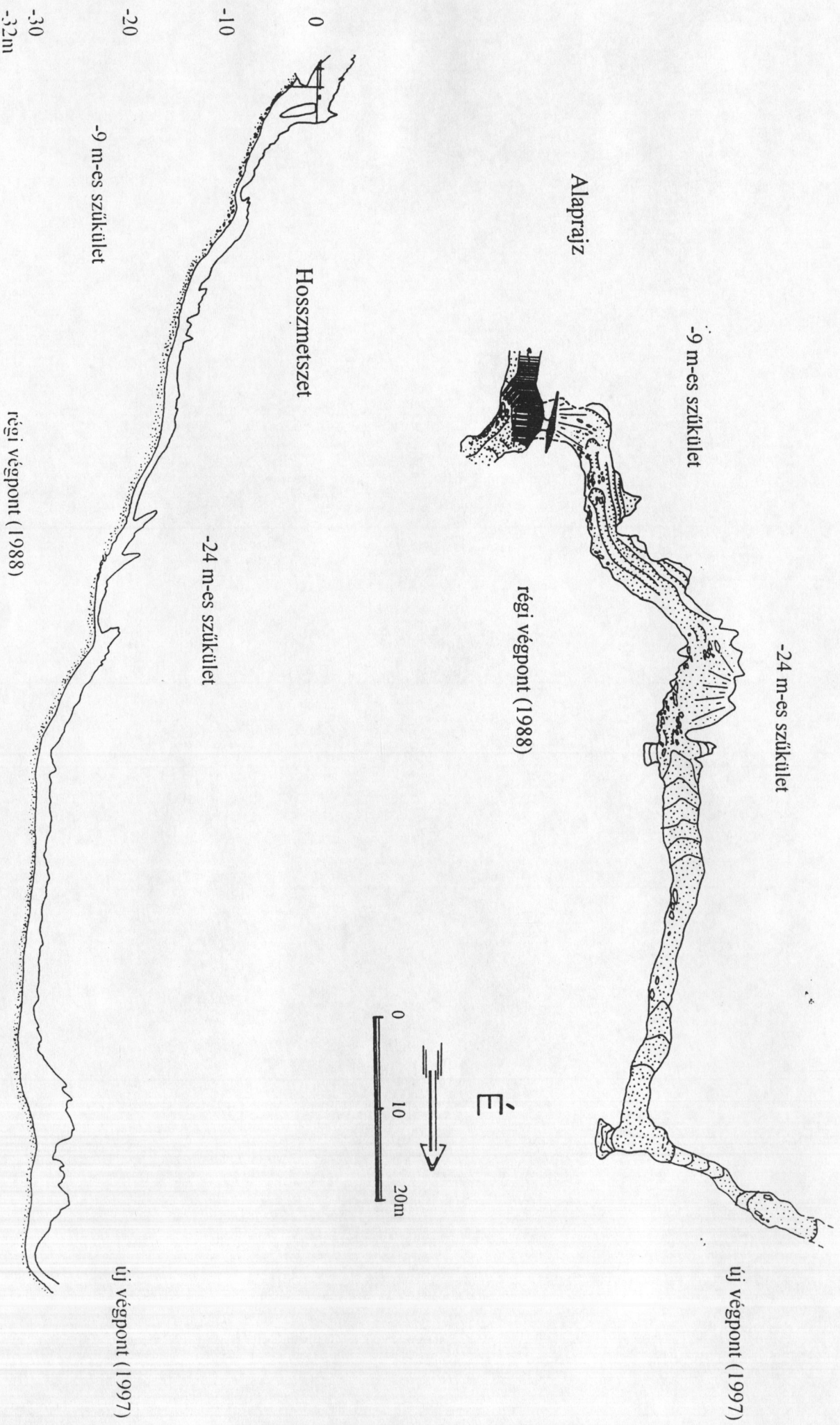
Kb. 45°-os szögben  
fölfelé induló járat

Rajz: Szabó Zoltán 1997 VII. 18.

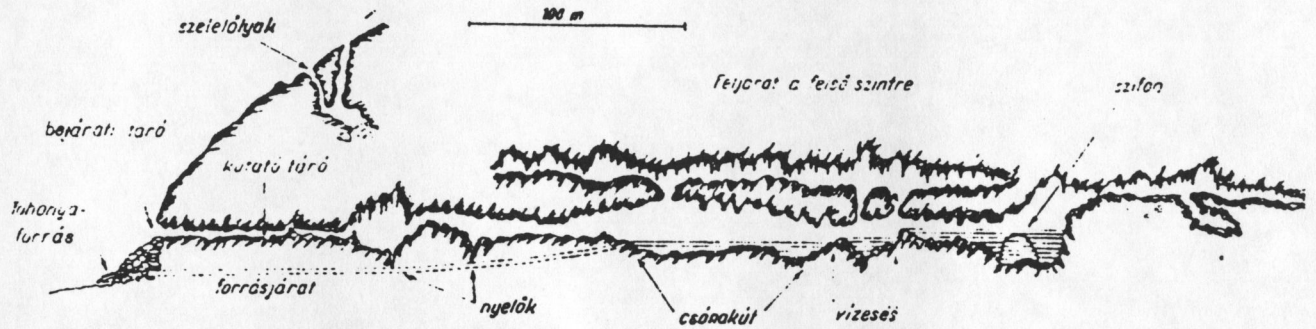


# KOSSUTH-BARLANG

Reménytelen-szifon  
(Vázlat !)



## A KOSSUTH-BARLANG HOSSZMETSZETE

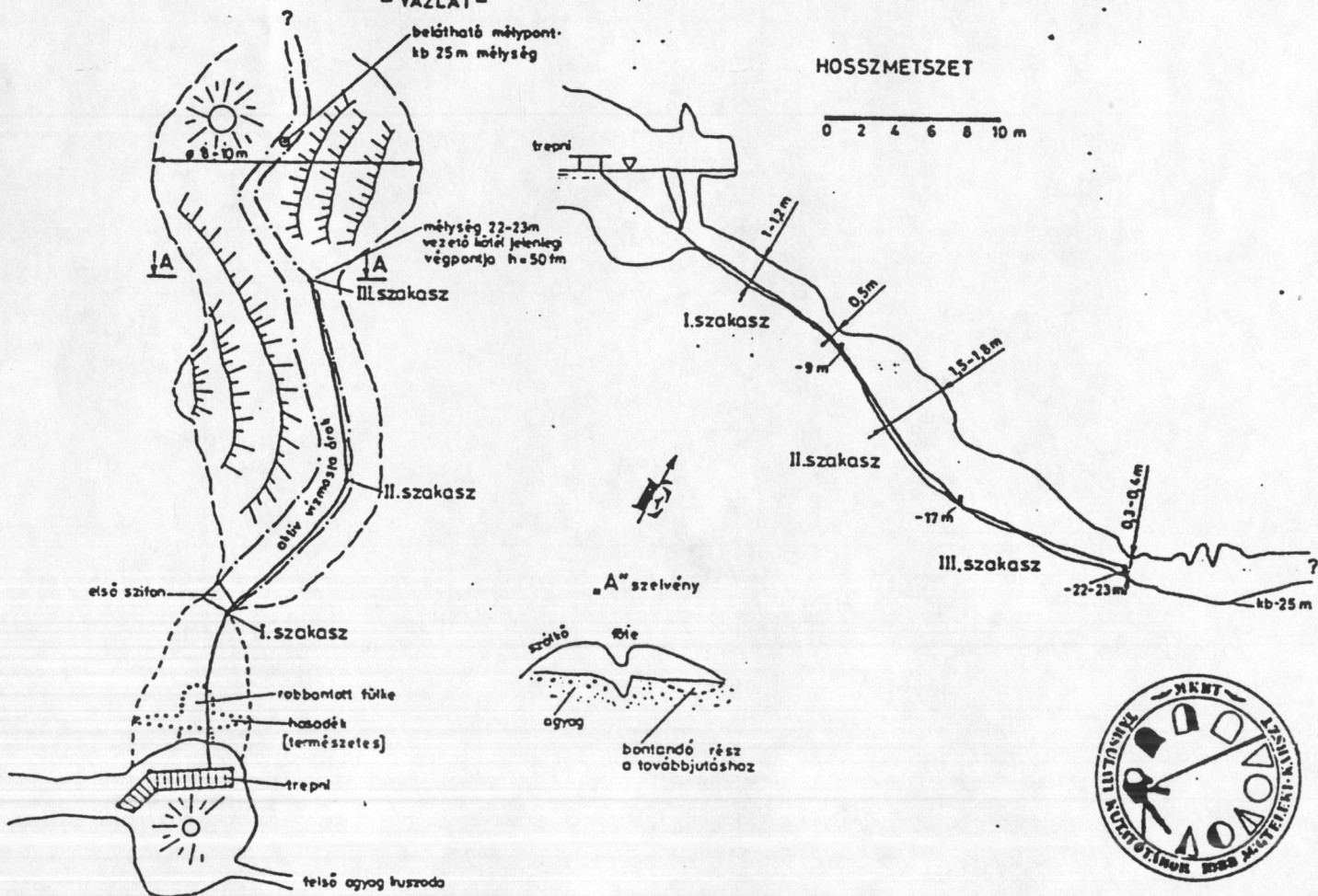


## KOSSUTH-BARLANG REMÉNYTELEN SZIFON

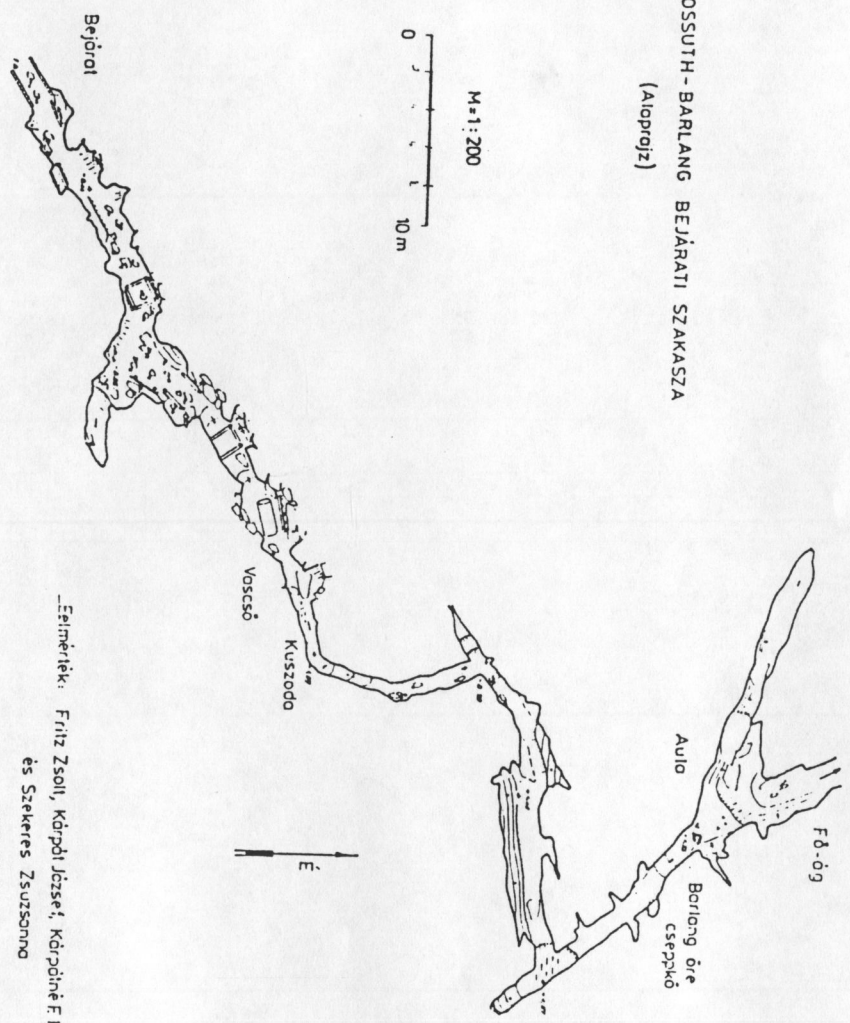
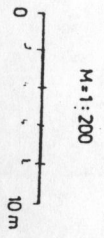
állapota az 1988. évi kutatótábor után

- VÁZLAT -

készítette: IRSAI SÁNDOR



A KOSSUTH-BARLANG BEJÁRATI SZAKASZA  
(Aloprijz)



—Elmérétek: Fritz Zsolt, Kárpál József, Kárpóiné F. Katalin,  
és Székelyes Zsuzsanna  
1988. 02. 23.

Grid Ref SO 2463 1178 OS Maps 1:50 000 sheet 161.

1:25 000 Brecon Beacons Eastern O/L

Altitude : 362 metres

Length : 28,000 metres +

**Location** When approaching from Blaenavon, take a left turn at Keeper's Pond. The first building on the right is the Lamb & Fox pub. Park opposite the pub on an area of concrete. Continue down the road and cross the stile immediately to the north of the Pwll Du Adventure Centre. Follow the fence you've just crossed down a steep slope until you reach a small stream. From here an obvious path leads directly to the entrance.

**Access** The cave is gated, for information about access contact Tim Long, 4 Brynleirfith Cottages, Llantrisant Road, Llantrwit Fardre, Mid Glamorgan, CF38 2HD, enclosing a stamped self-addressed envelope. Visitors are requested to observe any taping and treat bats with the respect they deserve.

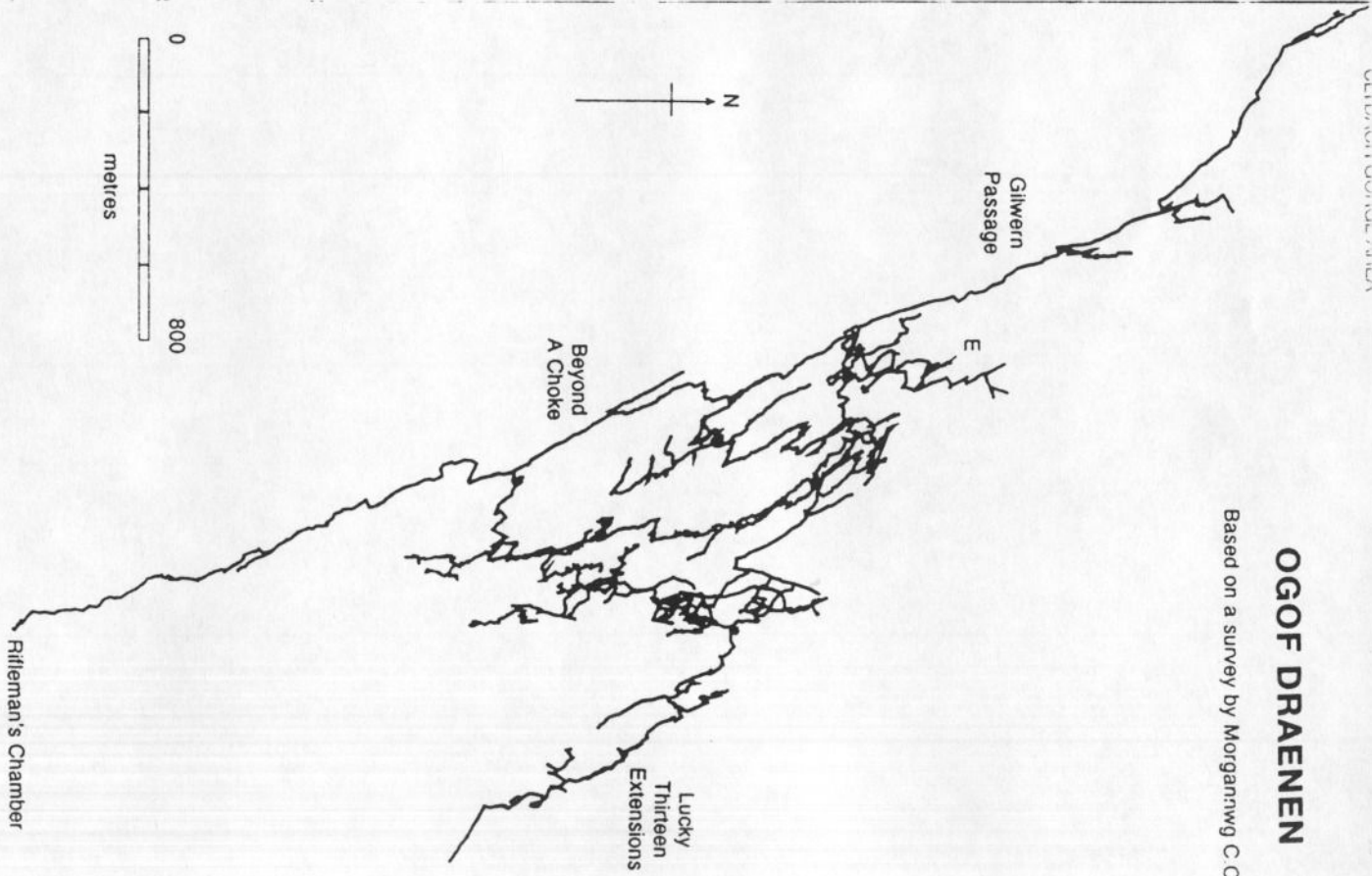
**Description** Ogof Draenen is one of the largest caves in Britain. It offers a great variety of caving and some very spectacular sights. The cave should not be underestimated and the round trip should be treated very seriously.

The entrance dig drops into a low crawl where there is a gate. Beyond the gate, a hole on the right leads down to a low, wet, bedding plane crawl, which emerges in a boulder choke. A squeeze down through the choke (care is required) reaches the top of an 8m scaffolded shaft. This was the break through point and emerges in a small chamber. *Straight on are Darling Riffs, which lead to Big Bang Pitch and the original Pitch Bypass.* However, an easier route is to duck under the right hand wall, into Spare Rib. Dropping down a slot on the left, leads to an inlet which can be followed down a cascade, to a chamber where the original Pitch Bypass rejoins. A low passage on the right leads via a 5m climb down to Cairn Junction, in the impressive main passage. Beyond A Choke.

From Cairn Junction, *left leads to the bottom of Big Bang Pitch and a section of streamway fed from sinks on Gilwern Hill,* whereas right leads to Tea Junction. To get to Tea Junction from Cairn Junction, either follow the main passage, or taking the first left turning after Cairn Junction, which enters WonderBra Bypass. Descending a hole on the right a short way along WonderBra Bypass, leads back to the main streamway just upstream of Tea Junction. At Tea Junction, the sizeable White Arch Passage enters on the left and to the right is the continuation of Beyond A Choke.

Climbing a short slope on the right, 50m downstream of Tea Junction, enters Gilwern Passage, which can be followed for 700m, via some superb formations (Great Care Required), to a choke. Up the choke leads to Old Illydian's Chamber on the left and Morgannwg Passage on the right. Morgannwg Passage has been taped off due to the very delicate formations it contains and is therefore out of bounds. At the end of Gilwern Passage the water can be followed into a choke, which leads into Galena Garmpwirois, a fine section of passage which in turn leads via a low duck into the St Giles Extensions.

From Tea Junction, Beyond A Choke is 2.5km of uninterrupted streamway - probably the longest in Britain. It can be followed downstream via a number of cascades to two chokes (30m apart). *Just before the chokes a 13m climb and difficult traverse leads to The Score.* Each choke can be passed by climbing out



of the streamway and squeezing between boulders on the right, where another squeeze leads back to the streamway. Beyond the chokes, Agent Blorunge inlet enters from the left. The main streamway continues through some sections of chest deep wading for a further 1.3km, to the present limit of exploration at Rilleman's Chamber.

Back at Tea Junction, White Arch Passage can be followed for 500m to a choke. A crawl in the top right hand corner leads into the impressive Lamb & Fox Chamber. High up in the chamber on the right hand side, a climb up a boulder slope leads to Indiana Highway. *After a short distance a bedding plane at floor level leads to Raiders Passage on the right and back to Lamb & Fox Chamber on the left.* A long section of fine traverses, including an exposed section over a 20m pitch, leads to a junction. To the right is The Canyon, but the way on is to the left and up over boulders on to a ledge above a trench in the floor. Following the trench left leads in to Mega Drive North (which loops round to connect with The Canyon), but the way on is immediately right into Mega Drive. This is followed for some distance to a sharp left bend immediately before Windy Junction. *To the right is Going Square, but continuing ahead is The Nunney, which passes Perseverance II, Perseverance I and then terminates in The Chapel.*

At the first junction in The Nunney, turning right along Perseverance II (a crawl over cobbles) leads to a junction. Sharp right leads to the very tall Fault Chambers, which lead to Fault Riffs and a connection with Going Square. The large passage leaving the first chamber is Elipitic Passage, leading to the Lucky Thirteen Extensions. Straight on leads to the 8m Balcony Pitch over looking The Arms Park. From the bottom of the pitch the way on is to left into The Players' Tunnel, two other passages also leave the chamber, a climb with a cord on it leads up into Erektion Series and Players' Tunnel North can be followed to a choke. After a short distance down Players' Tunnel it is necessary to drop down through boulders on the left hand side. The passage is now 3m high and 8m wide and is followed via a choke, to another impressive chamber with a perfectly flat roof called St. David's Hall. A small hole in the top left hand wall of the chamber leads into the complicated Squirrel Riffs. The main passage through this area must be followed for a long way, past numerous side passages and junctions, until a sharp right hand turn leads into a reasonably large chamber. *To the right is Wooden Spoon, but to the left is the Round Trip Connection, which soon lowers to a scooping passage. Soon the passage enters the top of a rift, traversing out and then dropping down, reaches a 5m climb down into a tight rift making the round trip connection to Haggis Basher One. Left can be followed to a choke, but turning right leads to a slope up on the left, which leads to the Life On Mars Series, whereas straight on leads to the Far Agent Blorunge streamway.* Upstream quickly leads to a sump but downstream is followed in large passage for 500m to a mud slope leading to a chamber. *Straight ahead is a bedding plane crawl which leads to a junction on the left into Crystal Maze, before rejoining Agent Blorunge. A shorter way is to follow the water down a rift, this marks the start of the very sporting Agent Blorunge Inlet which feeds into the main Beyond A Choke streamway. Agent Blorunge is followed downstream to a waterfall. Traversing over the waterfall also leads to Crystal Maze, but descending the waterfall through a hole in the left wall, drops into The Sewer. This is followed by some tight traversing in a rift which immediately leads to the top of two awkward climbs, care is required here. The way on is either through a duck or up a climb immediately before the duck into a small chamber. The water is then followed for 400m, down several cascades and waterfalls to the main*

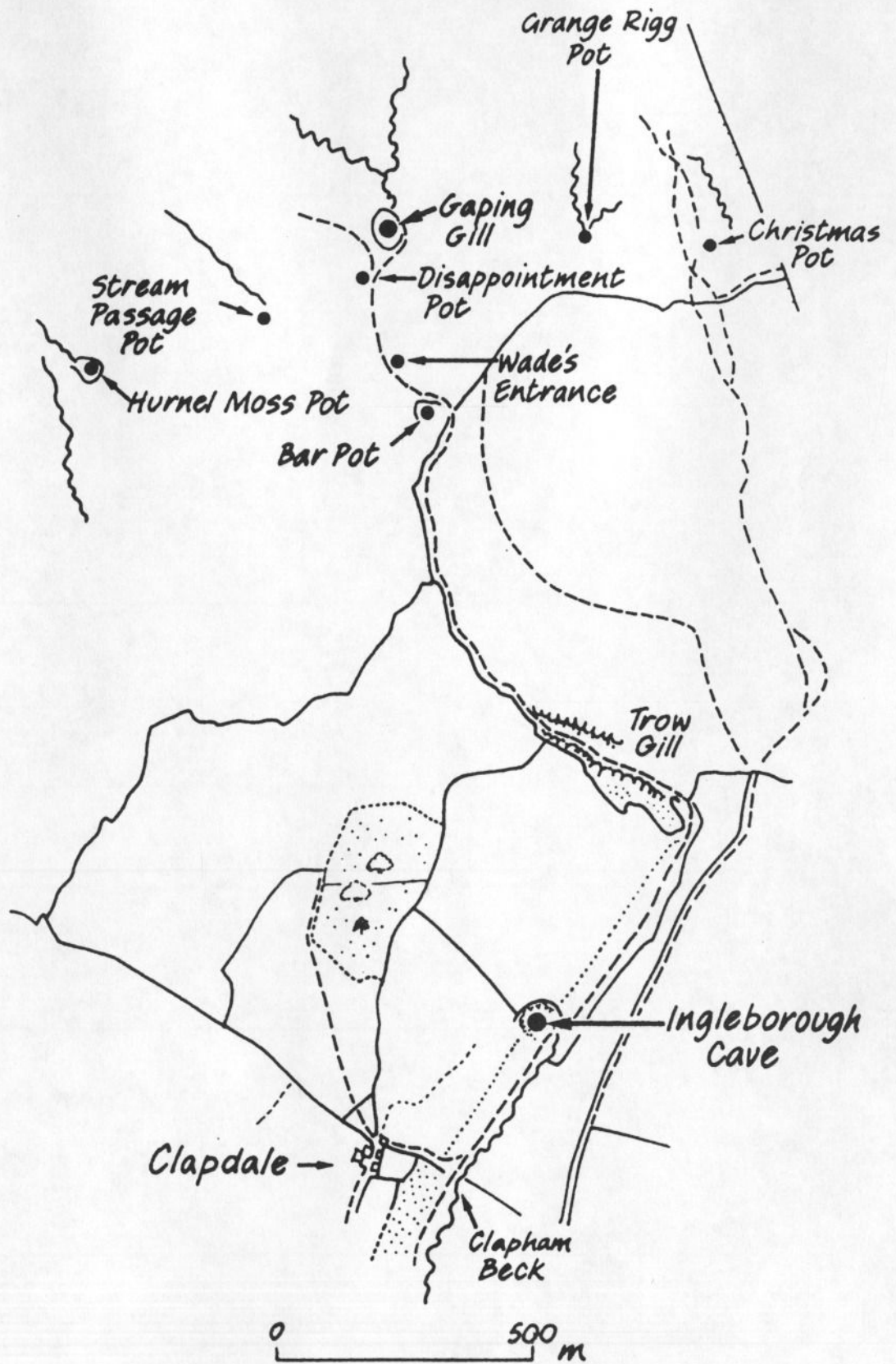
Beyond A Choke streamway, just down stream of the chokes. Upstream leads back to Tea Junction whereas downstream leads to Rilleman's Chamber.

Tackle Balcony Pitch - 25ft ladder, belay and lifeline.  
Big Bang Pitch - 60ft ladder, belay and lifeline.

At the time of writing Balcony Pitch is permanently rigged.  
History First explored and surveyed by members of Morgannwg CC, after an extensive dig. Major extensions made by several other clubs. Survey - Grade 2/3 available Summer '95, Grade 5 in progress.

WARNING : THE BEYOND A CHOKE STREAMWAY CAN BECOME VERY SERIOUS AFTER VERY HEAVY RAIN.

# Gaping Gill Area





FLOOD ENTRANCE POT  
South East Pot

## 17 FLOOD ENTRANCE POT – 110m

Ingleborough, Clapham, North Yorkshire  
SD 751 724. Alt. 400m

### LOCATION

Approach walk as for Gaping Ghyll. One of the four main tributaries to the Gaping Ghyll System, located immediately alongside the footpath from Bar Pot to Gaping Ghyll Main Shaft.

### DESCRIPTION

The modest surface opening of Flood Entrance Pot lies in a small shakehole to the right of the path, some 80 metres beyond the large collapse feature of Bar Pot. An even less conspicuous hole 30 metres farther along is the alternative 'Wade's Entrance'. Both holes unite below the entrance pitch, but Wade's offering the least resistance to intruders is preferred by most cavers.

### Wade's Entrance

The entrance hole drops into a cramped chamber with a slot in the floor. Belayed to twin Spits in the wall above, the First Pitch (20m) is tight at the top and broken by a ledge (and rebelay) 6 metres down. The pitch lands in a narrow fissure running back beneath the Flood Entrance pitches. Downstream, a small passage leads around a couple of constricted bends into a straight joint-controlled tunnel, followed mainly on hands and knees to a sharp zig-zag. The going then becomes progressively easier approaching a chamber with an exit along the bedding to the right.

### Second Pitch

Here a winding trench cuts down to the head of a 4 metre pitch into a shallow pool. Although often free-climbed, common sense indicates a bit of rope, thread belays are abundant for back-up, with a Spit anchor located high over the pitch.

### Third Pitch

Beyond the pool, a bedding crawl quickly gives way to a trench at the head of the Third Pitch (12m), rigged from Spits positioned in the roof. The landing is in a fine example of a solution enlarged joint passage, almost perfectly straight and complete with awkward floor slots. Ahead, this eventually leads to a broken cascade, climbable with a handline down a series of steps into a small rift chamber. At the far end the chamber degenerates to a tight, muddy thrutch, emerging over a greasy climb poised above the

main pitch of Bar Pot and definitely best avoided. To the right of the chamber the bedding again cuts down to the head of the Fourth Pitch (40m) into South-East Passage of Gaping Ghyll.

Fourth Pitch

The initial belay is a rock bridge across the stream trench, with a traverse around the lip of the pitch to an intermediate anchor. The hang point is from twin Splits planted upwards into the roof - a long stretch for short cavers! A direct descent from this point, although convenient, is only just acceptable from the rigging point of view (the rope is very close to the rock in places), and even under 'normal' conditions becomes unpleasantly wet lower down. However, swinging in to a rebelay in the corner of the shaft about 8 metres down, enables a steep pendulum manoeuvre to reach two successive deviations and so avoid any water more or less completely. This is a fine, airy pitch, landing on a broad ledge overlooking South-East Passage Pot - a continuation of the shaft dropping a further 40 metres or so directly into a deep sump.

Bar and Disappointment Pots

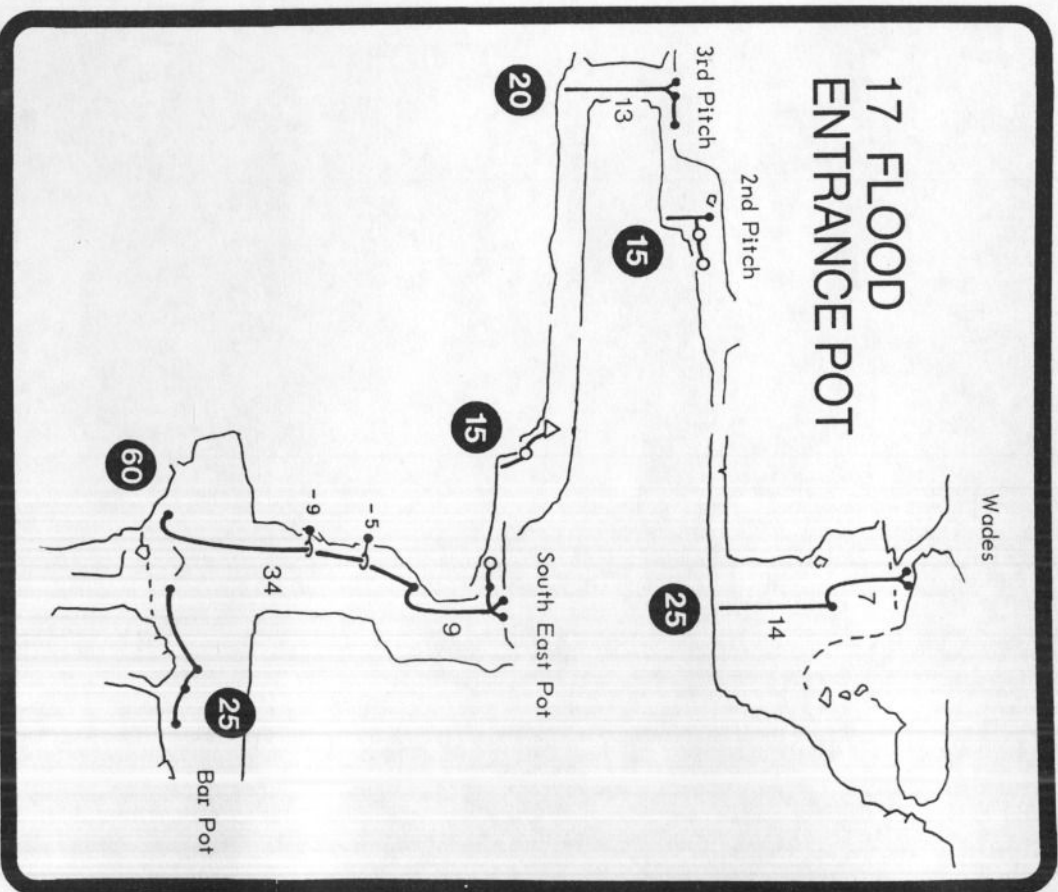
To the left (s/e) along the ledge skirts around South-East Pot and over a connecting hole in the floor into a muddy rift opening out at the base of a massive aven where Bar Pot enters from above. The passage continues to a further aven where the route into New Henslers Passage and the connection with Disappointment Pot lies in a small hole between boulders against the left wall.

Stream Passage and Gaping Ghyll Main Chamber

From the rear of the ledge overlooking South-East Pot, a comfortable tunnel gradually degenerates to a short, flat-out crawl, over rounded cobbles, emerging in South-East Passage. This is the route to the connection with Stream Passage Pot and Gaping Ghyll Main Chamber.

South-East Passage extends for about 200 metres along a classic, dry phreatic tube, for the most part at a particularly awkward height somewhere between stooping and crawling. Straight ahead at a T-junction, the passage continues into Sand Caverns where climbing up a wall of stratified sand at the further end reaches Stagmite Chamber. Beyond here following the long-abandoned gallery skirts around the lip of a large boulder-lined depression 'Mud Pot', before dropping into the huge cavern of Stream Chamber. The inlet flowing across Stream Chamber leads upstream to the foot of the final pitch of Stream Passage Pot, and downstream through boulder chokes to the Mud Pot Pitch (15m) which lands in a sumped chamber.

Right at the T-junction in South-East Passage leads along a more comfortable stretch of passage to a rift chamber with a low opening under the right wall. This quickly lifts and the continuing passage shortly emerges at a superb vantage point looking out from a pile of boulders into the magnificent Main Chamber of Gaping Ghyll with an atmospheric column of water and filtered light entering from the Main Shaft.





GAPING GHYLL  
Dihedral Route,  
Main Chamber

19 GAPING GHYLL - 110m

Ingleborough, Clapham, North Yorkshire  
SD 751 727. Alt. 400m

LOCATION

The Main Shaft and four subsidiary entrances to the Gaping Ghyll System are situated on the high, level moorland beneath the southern summit slopes of Ingleborough above Clapham Bottoms.

Approach from Clapham Village. From the northern end of the village, either follow the private nature trail through Clapham Woods (for which a small charge is made), or take the parallel rough road up to Clapdale Farm. Both routes are followed for about 1.5 kilometres to Ingleborough Show Cave and Clapham Beck Head - the resurgence for the Gaping Ghyll System. Beyond the show cave the trail continues, climbing the steep gorge of Trow Gill into a shallower valley. Here a well-trodden path runs north alongside a wall for a further 700 metres to a stile by the large collapse feature of Bar Pot. The path crosses a patch of limestone pavement with the inconspicuous Flood and Wade's Entrances to the right, before veering due north across boggy moorland and passing close by the more obvious Disappointment Pot shakehole on the left. Straight ahead, a meagre wire fence marks the end of a huge trench-like depression in the drift where Fell Beck is swallowed by the Main Shaft.

DESCRIPTION

The most renowned cave in Britain, Gaping Ghyll is an extensive and complex system of mainly low, horizontal tunnels and huge mud-filled chambers. There are four predominantly vertical entrance caves: Bar Pot, Flood Entrance Pot, Stream Passage Pot and Disappointment Pot, in addition to the magnificent Main Shaft - without doubt the most spectacular shaft in the UK.

Main Shaft

The descent into the Main Chamber, almost 100 metres below, can either be made directly down the Main Shaft in a split pitch, or by the Lateral Shaft - an adjacent entrance with a spectacular free-hanging pitch of 98 metres, the longest unbroken pitch in Britain.

Direct Route

From the limestone slabs where Fell Beck spills over the lip of the Main Shaft, a traverse follows the exposed ledge into the west



corner. Rigged from Spits in the wall above and succeeded by a deviation fixed low on the opposite ledge, the rope initially descends a rather loose, mossy corner of the shaft. At a depth of around 10 metres, a rift opens out in the direction of Lateral Shaft. Here a short but extremely exposed rope traverse, aided by shuffling along a small shelf, reaches a cramped perch above a breathtaking descent directly to the floor of the Main Chamber. The drop is 85 metres of nothing but sheer primordial grandeur as the pitch descends between two cascades of water, one tumbling towards Birkbeck's Ledge at -50 metres, and the other a plume of spray across the Lateral Shaft. The amount of water met with on this Direct Route depends largely on the volume and velocity of the stream issuing from Spout Tunnel (see Lateral Shaft). This is difficult to predict, apart from general water levels the stream is constantly diverted one way or another from its normal path by 'winch meets' or covers descending the Rat Hole entrance, essentially it's a route for dry rather than wet conditions.

Beware of rocks thrown down the Main Shaft by idiot tourists.

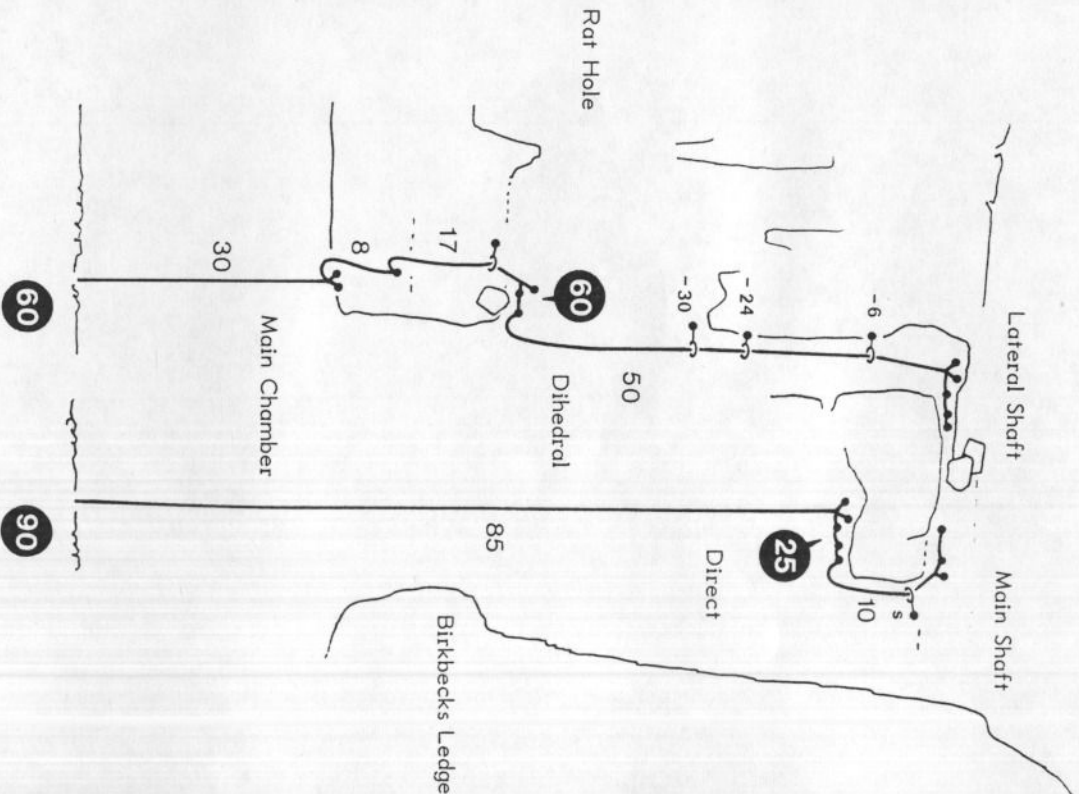
#### Lateral Shaft

On the limestone platform overlooking the Main Shaft, a huge rectangular block masks the entrance to Jib Tunnel - a short passage opening directly onto a free-hanging pitch of 98 metres to the floor of the Main Chamber. This descent is normally well watered by the stream pouring out of Spout Tunnel some 12 metres down. So that, other than being the longest unbroken pitch in the country, this 'traditional' route has little to commend it. However, in all but drought conditions, a more manageable descent can be made by splitting the pitch into a number of shorter and drier sections. This route is referred to as the 'Dihedral'.

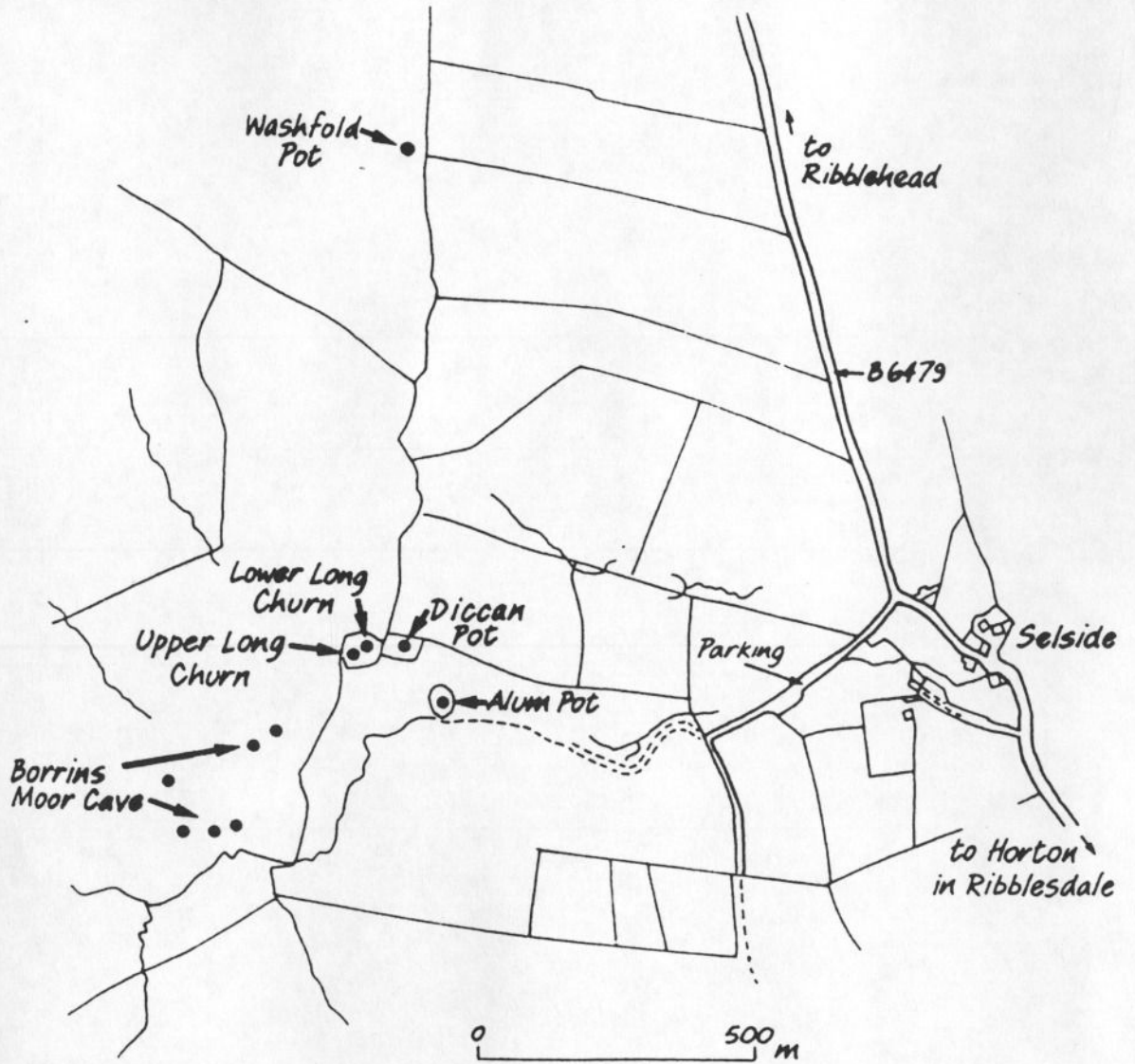
#### Dihedral Route

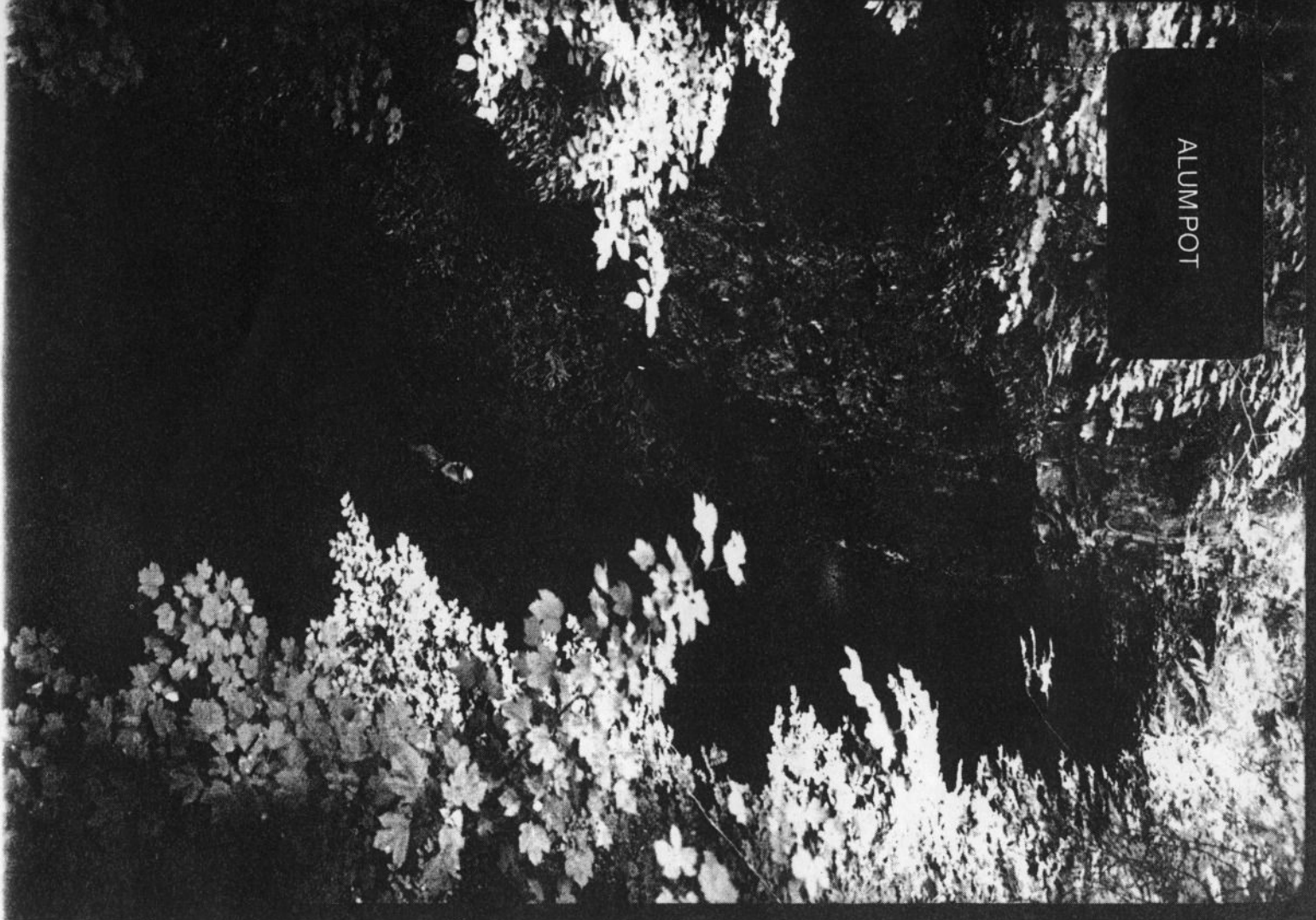
From Jib Tunnel, a short traverse leads out over Lateral Shaft to reach Spits positioned in opposite walls. In order to guide the rope away from the stream gushing out of Spout Tunnel, deviations placed at -6, -24 and -30 metres redirect the rope into the corner of the shaft. At about 50 metres depth, a pendulum can be made onto a substantial ledge in a huge lateral rift, clear of water and commanding a fine view across the shaft to Birkbeck's Ledge. The second section drops behind a massive fallen flake wedged across the rift, where a high initial belay lessens the angle of a deviation rigged from the far wall. This pitch is about 15 metres to a rebelay just below the level of a second, smaller ledge. A further pitch of 8 metres descends against the wall to reach a twin belay at a dramatic situation where the rift enters the roof of the Main Chamber. The final section of about 30 metres is a magnificent free-hanging drop, well clear of the walls, landing close to the foot of the Main Shaft.

## 19 GAPING GHYLL



# Ingleborough – Alum Pot Area





## 21 ALUMPOT — 100m

Ingleborough, Ribblesdale, North Yorkshire  
SD 775 756. Alt. 350m

### LOCATION

A deep and evocative open shaft on the slopes of Simon Fell overlooking Selside in Upper Ribblesdale.

Approached along the rough lane immediately north of Selside Village. The lane ends at a stile where a track follows a dry valley up the fellside for a further 500 metres to an obvious shaft surrounded by trees and a drystone wall.

### DESCRIPTION

The Main Shaft of Alum Pot is a massive vertical chasm affording one of the most spectacular surface descents in the UK, but unfortunately little else since, although the cave beneath is impressive, it is very short.

### DIGRESSION

Rarely can caving be described as a spectator sport. Alum Pot, however, is one of a select few places in the Dales where each week-end herds of feckless 'cavers' festooning the Main Shaft blithely present a demonstration of bumbling incompetence to the innocent by-stander. Here, all too often, austere grandeur forms the backdrop to a deadly, dangerous pantomime in which over-eager inexperience vies with a fundamental ignorance of the basic skills necessary to venture into such places. Needless so, a competent approach to rigging and descending this awesome hole depends on little more than a short period of training and a bit of practice somewhere rather less daunting.

### Main Shaft

There are two 'traditional' descents of the Main Shaft direct from the surface: from the South-East end with a pitch of 50 metres broken by a ledge 35 metres down, or from the North-West end in a spectacular free-hanging pitch of 60 metres, landing immediately above the short Final Pitch (8m) which is common to all the descent routes.

There is also a third route, by far the most frequented, at the northern end of the chasm where at about 30 metres below the

surface a large passage enters from the Long Churn Caves. Entered from Lower Long Churn, this route involves pitches of 15 metres, 5 metres and a sloping descent across 'the Bridge' to a stance in a groove where the next pitch of 15 metres is common to the South-East Route. Depending on water levels, this pitch lands either at the foot of, or under, the Alum Pot Beck waterfall. The stream then tumbles down steep, picturesque cascades toward the Final Pitch (8m) and into a large vaulted passage where it spills over broad, rocky shelves into a windy, spray-lashed chamber. Here a much larger waterfall enters from Diccian Pot and the combined streams flow into the terminal sump.

**South-East Route**

An obvious descent line located at the lower (south-east) end of the shaft, a few metres above a wooden stile and overlooking an exposed ledge. An initial belay tied directly around a tree provides a traverse line out to the fork of a second tree overhanging the pitch (35m) to a broken ledge. The shaft wall is slightly less than vertical at this point, such that about 10 metres down a rebelay located in a bulge of shattered rock is necessary to clear the remaining descent. Continuing the descent over the ledge (beware of falling rocks!) gains a rebelay for the final section of 15 metres to the streamway. Alternatively, from the ledge a short traverse line rigged from the shaft wall gains a stance in a groove overlooking the lower 15 metre pitch with a rebelay immediately over the edge, followed by a deviation a few metres lower. The landing is on a wet and windy ledge close to the foot of the Alum Pot Beck waterfall. Below, the stream tumbles over a steep, stepped cascade (where a handline may be useful in wet conditions) to a broad platform above the Final Pitch.

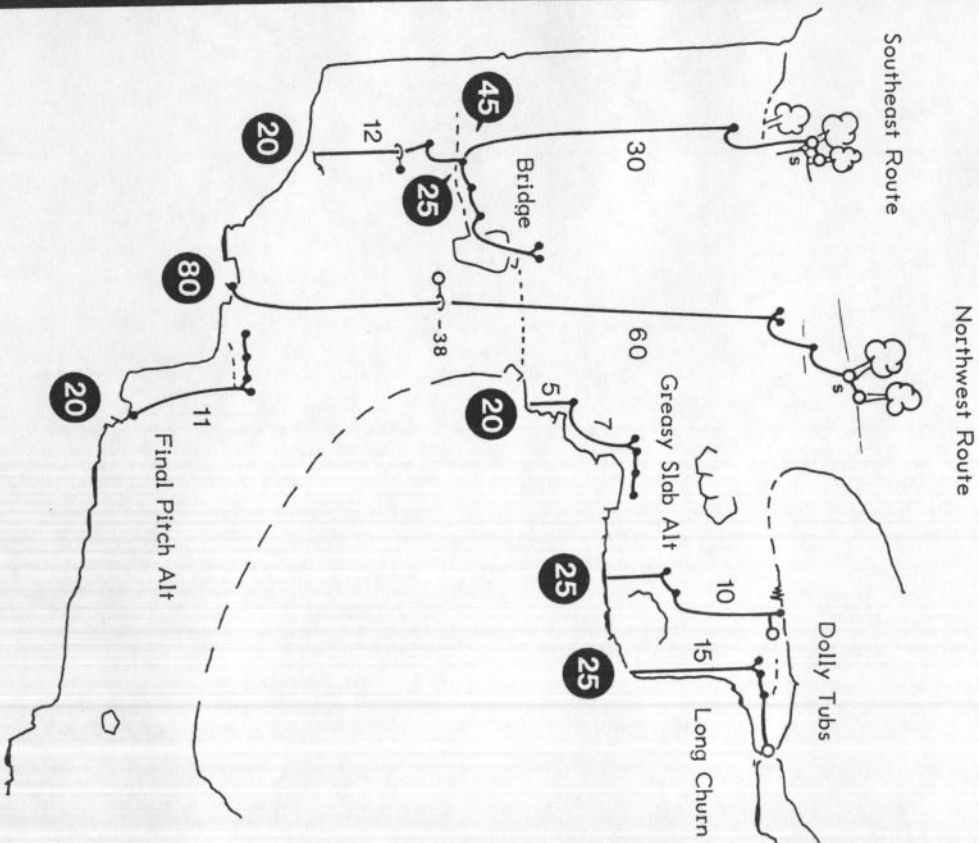
**Final Pitch**

The only difficulty with this short pitch (8m) lies in avoiding the water and there are two possibilities, suitable for normal and wetter conditions respectively. The simplest line is rigged from Spits planted in bedded rock on the right with a more or less optional deviation a couple of metres down. Without this deviation, the rope rests on the rounded lip of the pitch but this isn't important - perfectionist pride is more likely to be harmed than the rope! The second line follows the left wall, climbing up to a ledge where a traverse leads out to a hang point, clear of the water when subsequently rigged obliquely from a stance on the opposite wall at the foot of the pitch.

**North-West Route**

A less obvious line located at the upper (north-west) end of the

**21 ALUM POT**



shaft, a couple of metres down from the wooden stile. An initial belay to one or two trees drops onto a ledge with a rebelay and a scruffy descent against the wall for about 6 or 7 metres, to where the rock begins to overhang and the rope hangs free in the airy void beneath. Here twin Splits, rigged out to the left, provide a breathtaking descent of around 60 metres landing on the broad platform a few metres away from the Final Pitch. Some 40 metres below the surface, the pitch descends a mossy corner of the shaft which is often unpleasantly wet. Swinging across to rig a deviation from a large thread (at -38m) avoids this problem, landing on top of the large boulders close to the Final Pitch. This is certainly one of the most awe-inspiring surface shafts in the UK, it's a great pity there's little cave at the bottom.

#### Long Churn Caves

A fossil section of the main streamway, Lower Long Churn, provides an easy 'back door' into Alum Pot with some added interest of its own. Part of an extensive, shallow cave system draining into Alum Pot via Diccan Pot, Long Churn is entered about 100 metres north-west of the Alum Pot Main Shaft. In this immediate area there are two obvious collapse features, each with associated cave entrances - the active sink in the right-hand depression is Diccan Pot. The left-hand depression is the 'Middle Entrance' to Long Churn Caves; the opening to the left is Upper Long Churn, on the far side is the low exit to Wilson's Cave, and to the right beneath an archway is Lower Long Churn.

#### DIGRESSION

A varied and once handsome stretch of gallery, Long Churn is tragically and repeatedly marred by the effects of over-use due to the hordes of young people that plague these particular caves. This is an inevitable outcome of widespread, largely irresponsible, use by ever-increasing numbers of outdoor activity centres, outdoor 'educationalists' of one sort or another, holiday camps, youth clubs, social services, scouts and armed forces, all bent on experiencing 'adventure' - which in this case means getting their feet wet!

#### Lower Long Churn Cave

Within a few metres of the entrance a waterfall enters from Upper Long Churn, followed downstream to a junction where the stream flows out to daylight and then sinks into Diccan Pot. Ahead the fossil gallery continues across two delicate traverses around deep pools and past various side passages to a slot in the floor, dropping down an enlarged cross-joint into a chamber. From the far end of the chamber, a short climb/handline descent drops into

a larger passage leading to the 'Dollytubs' Pitch (15m) where daylight can be seen entering from Alum Pot.

#### Dollytubs Pitch

Dollytubs Pitch takes the form of an open fissure which can be rigged from various points either to avoid water or congestion from the ungodly! The two main locations are: from the left-hand wall at the near end of the rift, or out to the right from a small alcove beyond some boulders. This latter route is drier and broken by a ledge halfway down, which can be followed along the rift to an alternative hang for the lower half. The pitch drops into a large boulder-strewn passage emerging at a dramatic viewpoint overlooking the Main Shaft of Alum Pot - probably the most photographed location in the Dales.

#### Open Shaft

From the foot of Dollytubs, the Main Shaft is descended by an interesting oblique route, crossing from one side of the shaft to the other and eventually doubling back beneath. The way on is either over boulders to the left onto a ledge at the head of the short 'Greasy Slab' Pitch (5m), or by following a slightly more technical route on the right wall. Below is a green and slippery platform, at the far side of which an exposed traverse leads around the open shaft by way of a broad ledge in a washed-out shale bed. Great care is needed here - although the traverse is easy, it is generally unprotected and a single slip means certain death. The traverse ends at a massive slab of rock (the Bridge) spanning the shaft at a steep angle. Although often free-climbed (or at most, handlined) by the ripped wetsuit mob, the Bridge is quite obviously only safe when treated as a pitch. A traverse line is continued around from the foot of the Bridge to a stance in a groove overlooking the penultimate pitch (15m) and the lower section of the direct South-East Route.