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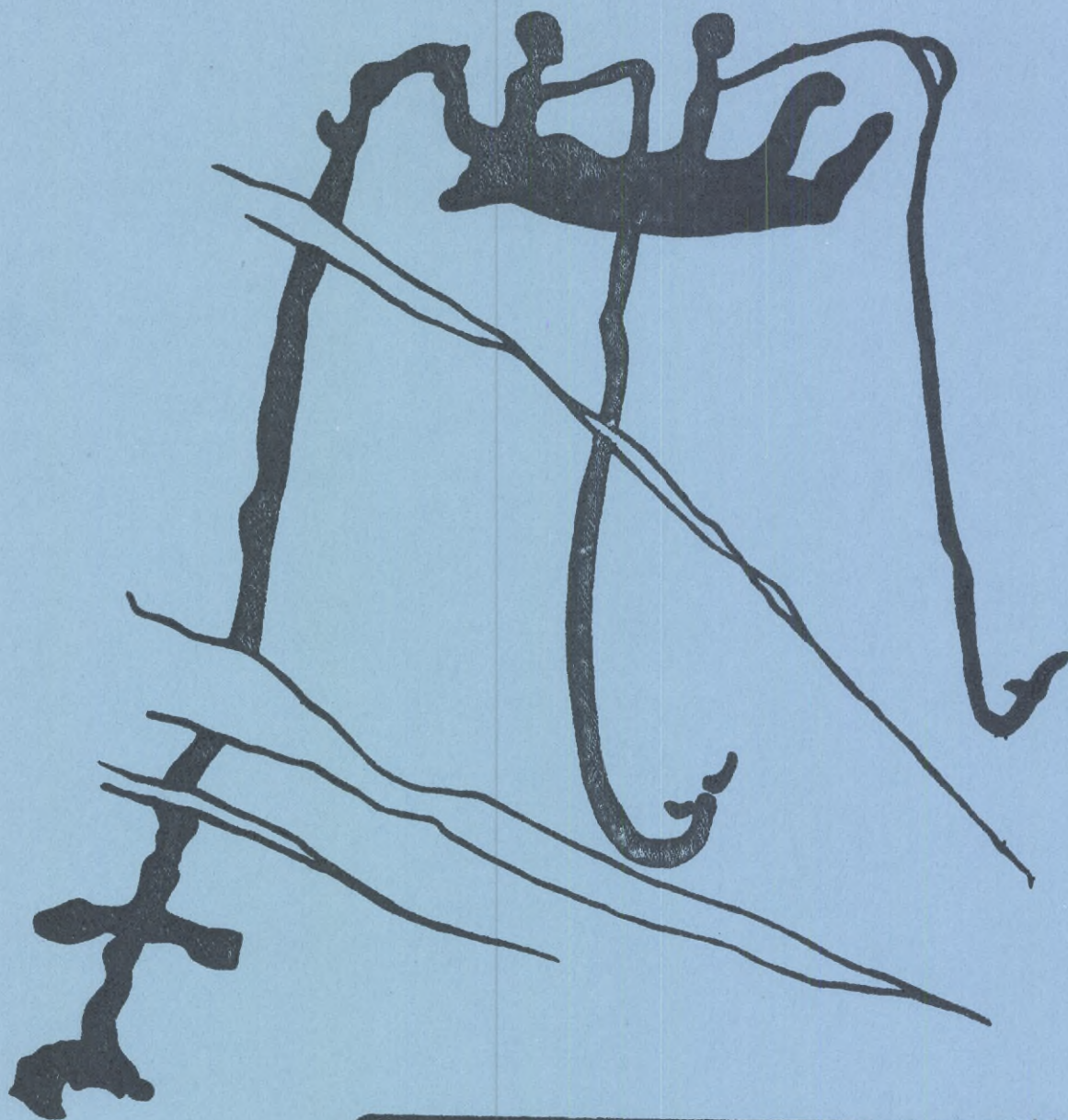
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Ödemål, Kville an, Bohuslän

Hällristning  
Fiskare från  
bronsåldern

Rock carving  
Bronze age  
fishermen



**MEDDELANDE från  
HAVSFISKELABORATORIET • LYSEKIL**

**nr**  
192

Idefjord Report I  
Hydrographic Sections of the Idefjord from 1967-1975  
by  
Sven G. Engström

December 1975

Idefjord Report I.  
Hydrographic Sections of the Idefjord from 1967-1975  
by  
Sven G. Engström

Since 1967 the Fishery Board of Sweden has made hydrographical and biological work in the Idefjord and adjacent waters with the research vessels Skagerak, Thetis, Eystrasalt and Argos.

The hydrographical parameters investigated regularly are temperature, salinity, oxygen, hydrogen sulphide, phosphate- and total phosphorus, pH, Secchi disc depth. Occassionally also lignin sulfonates, yellow substance and humic substances are added.

The analysis were carried out as described in Carlberg (1972). Since 1973 the determination of lignin sulfonates and humic substances are made according to Almgren, Josefsson and Nyquist (1975). To express the concentrations in absolute values, water-dissolved humic substances were isolated from river water and used as a lignin sulfonate standard.

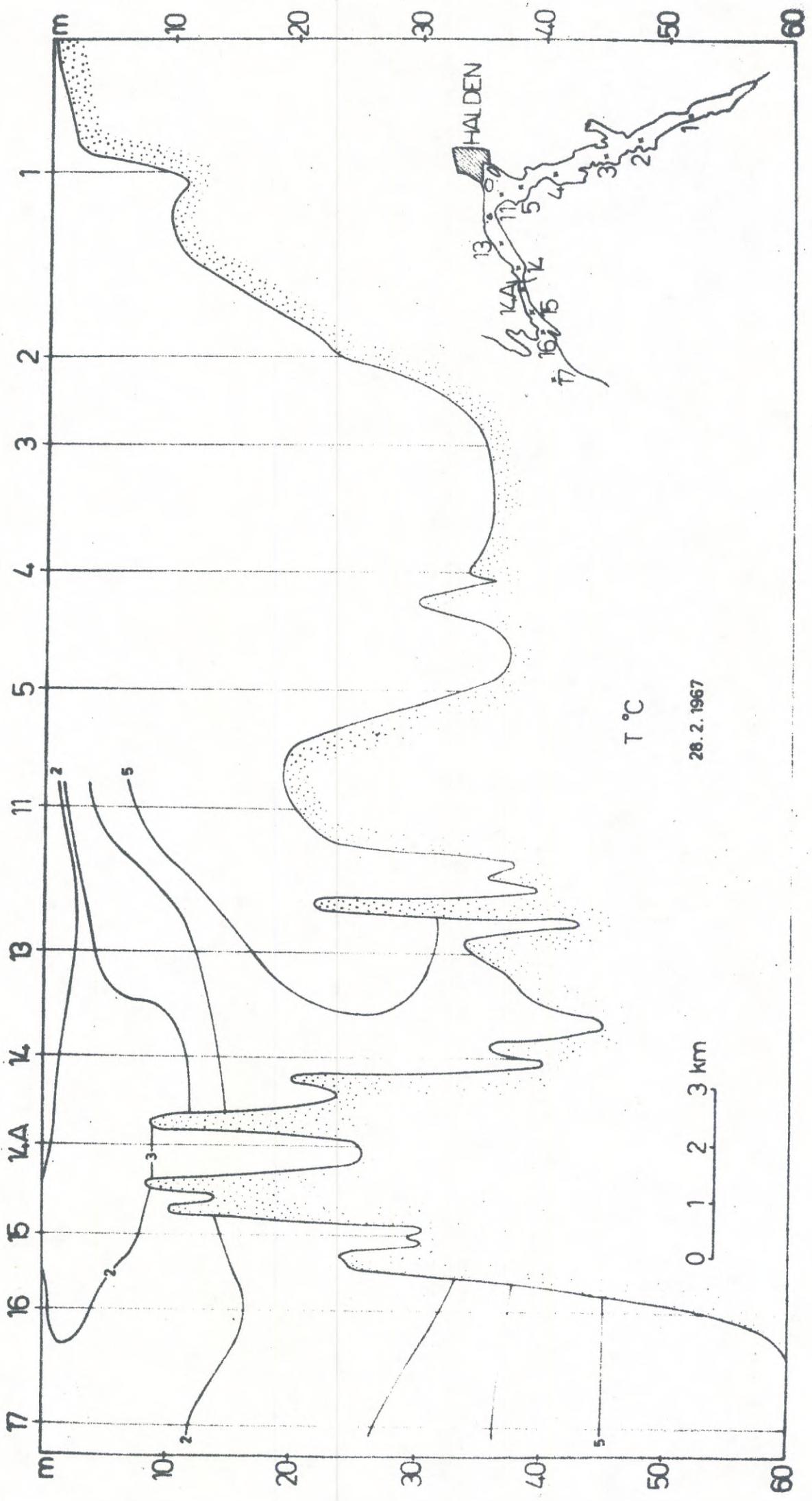
Most data were determined on hydrographical expeditions but some were also collected on biological cruises conducted by B.I. Dybern.

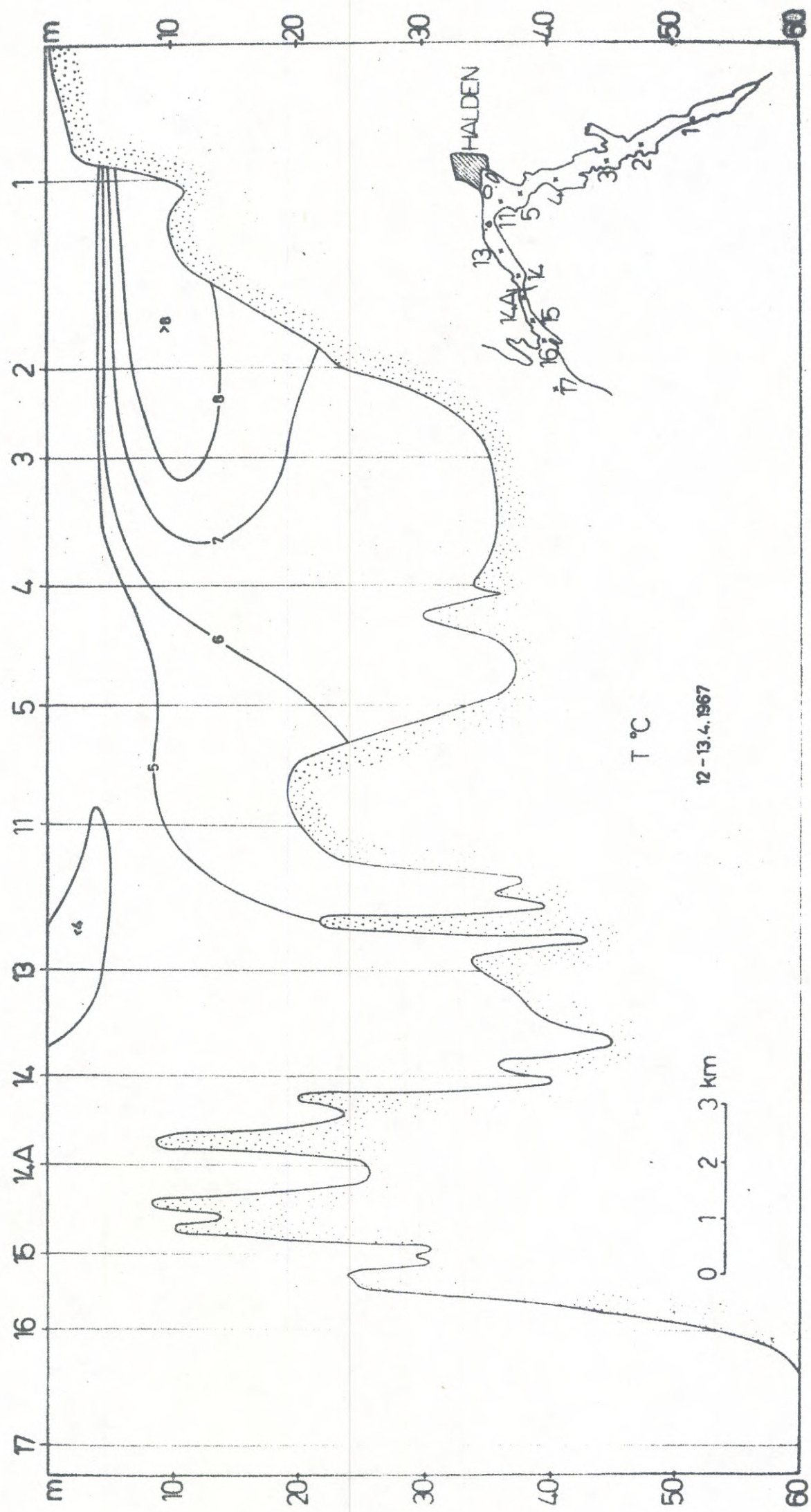
The hydrographical data are published in table-form as a Part II of this Idefjord Report (Medd. från Havsfiskelab., Lysekil, No. 193).

The presentation is such that all sections for one single parameter are kept together. Tables 1 display the expeditions in time order.

References:

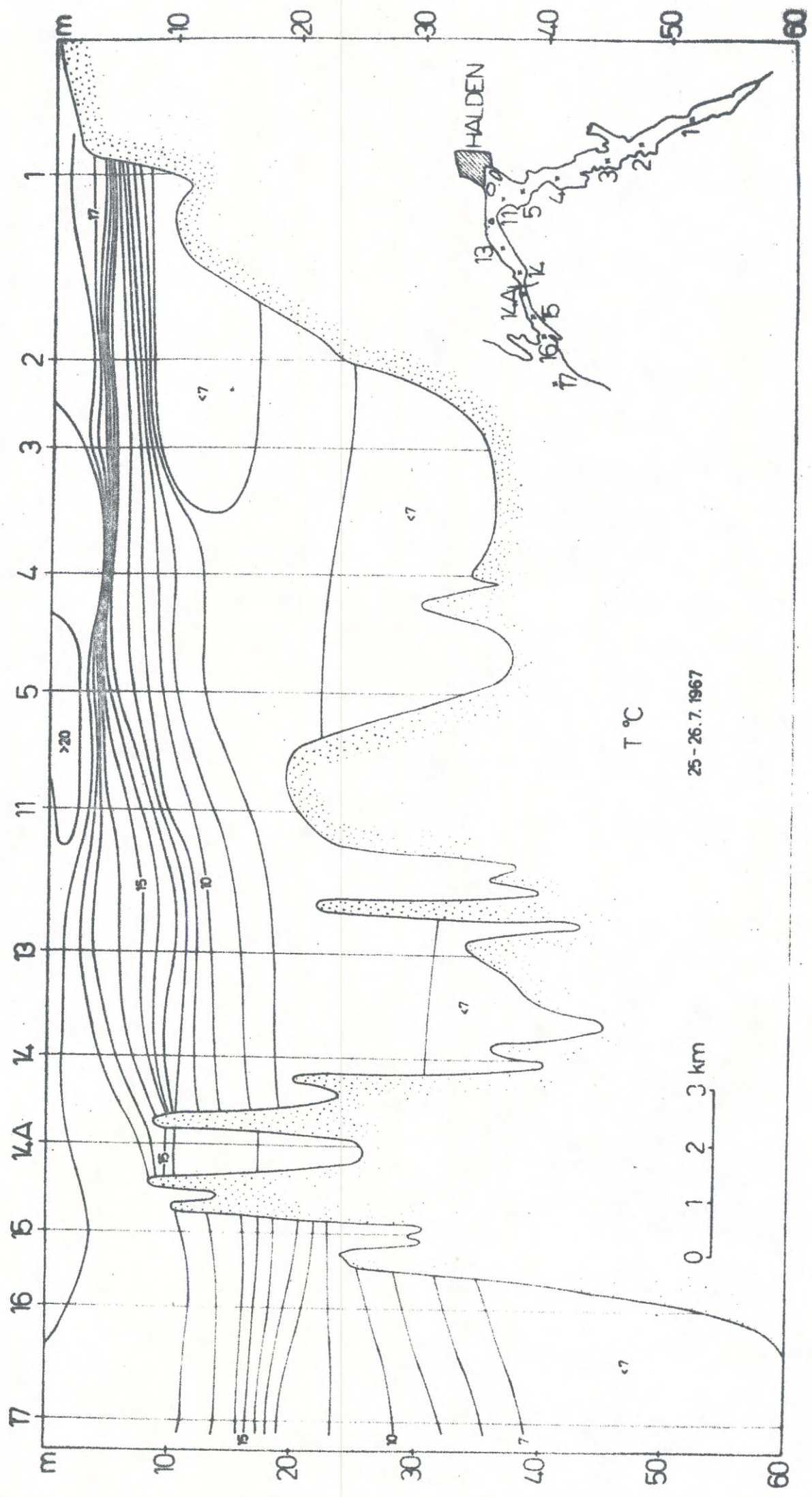
- Almgren, T., B. Josefsson and G. Nyquist, 1975: *Analytica Chimica Acta*, 78, 411-422.  
Carlberg, Stig, R., 1972: *New Baltic Manual*, ICES, Cooperative Research Report, Series A, No. 29.

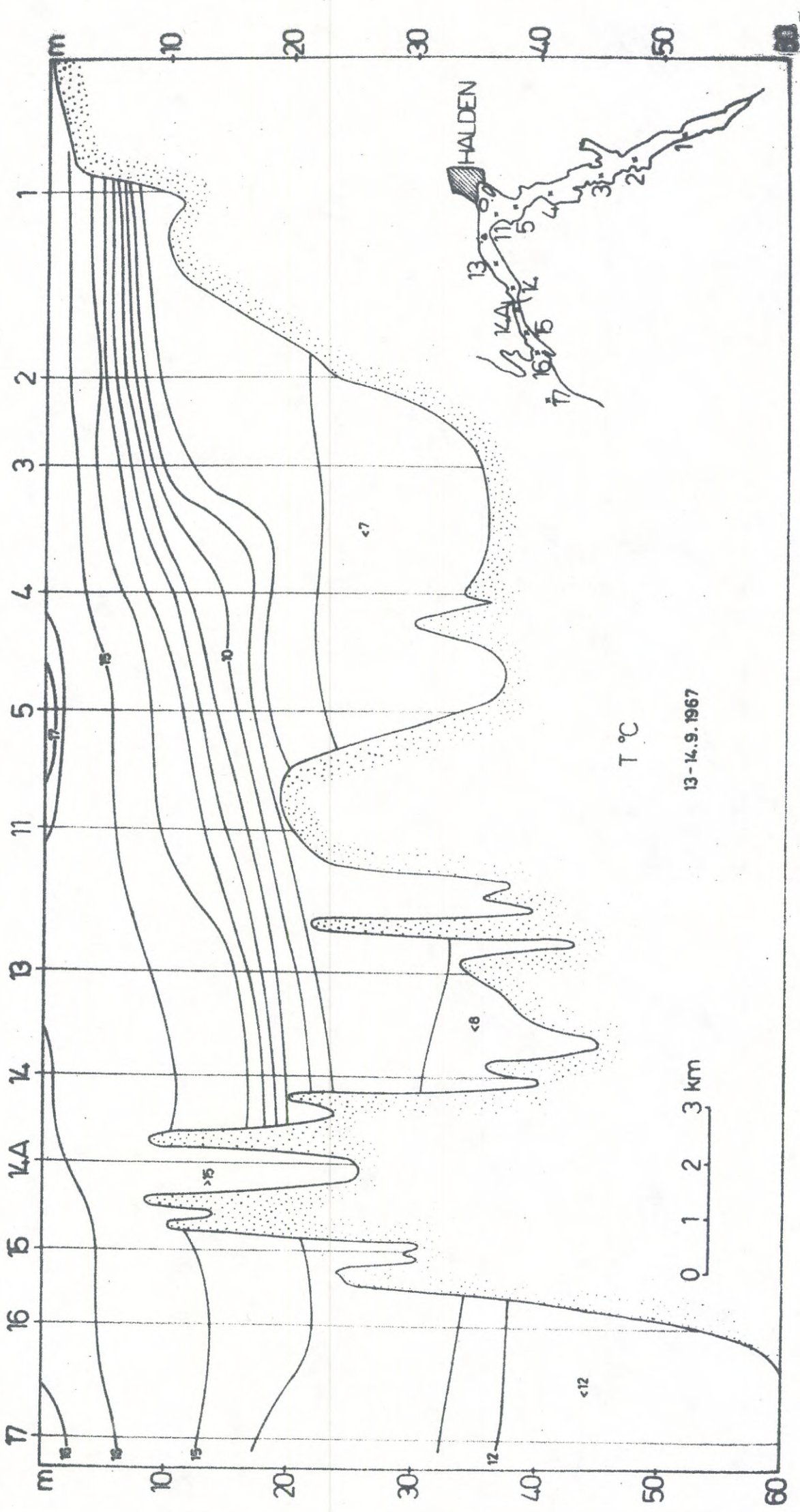




12-13.4.1967

0 1 2 3 km



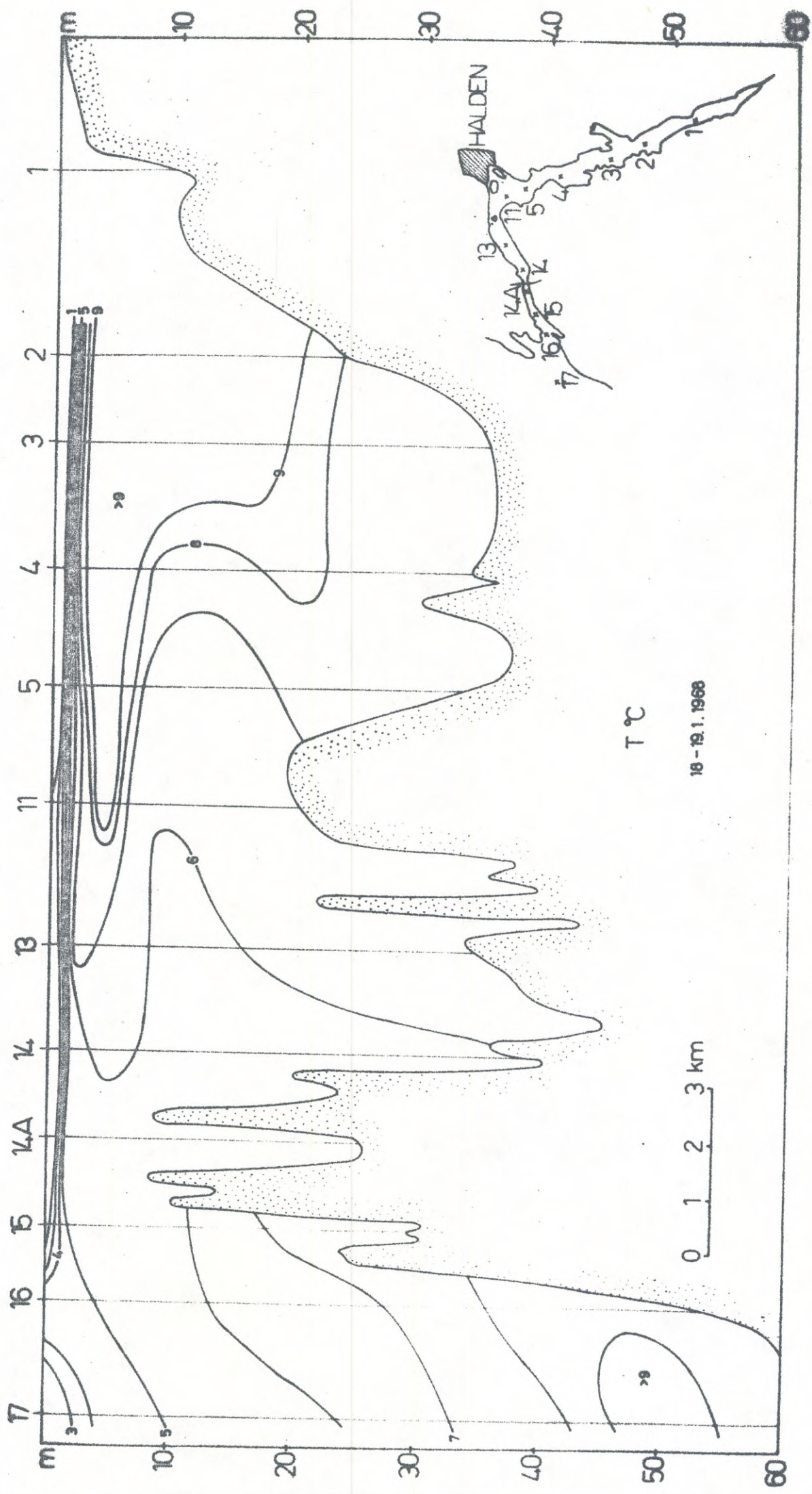


13-14.9.1967

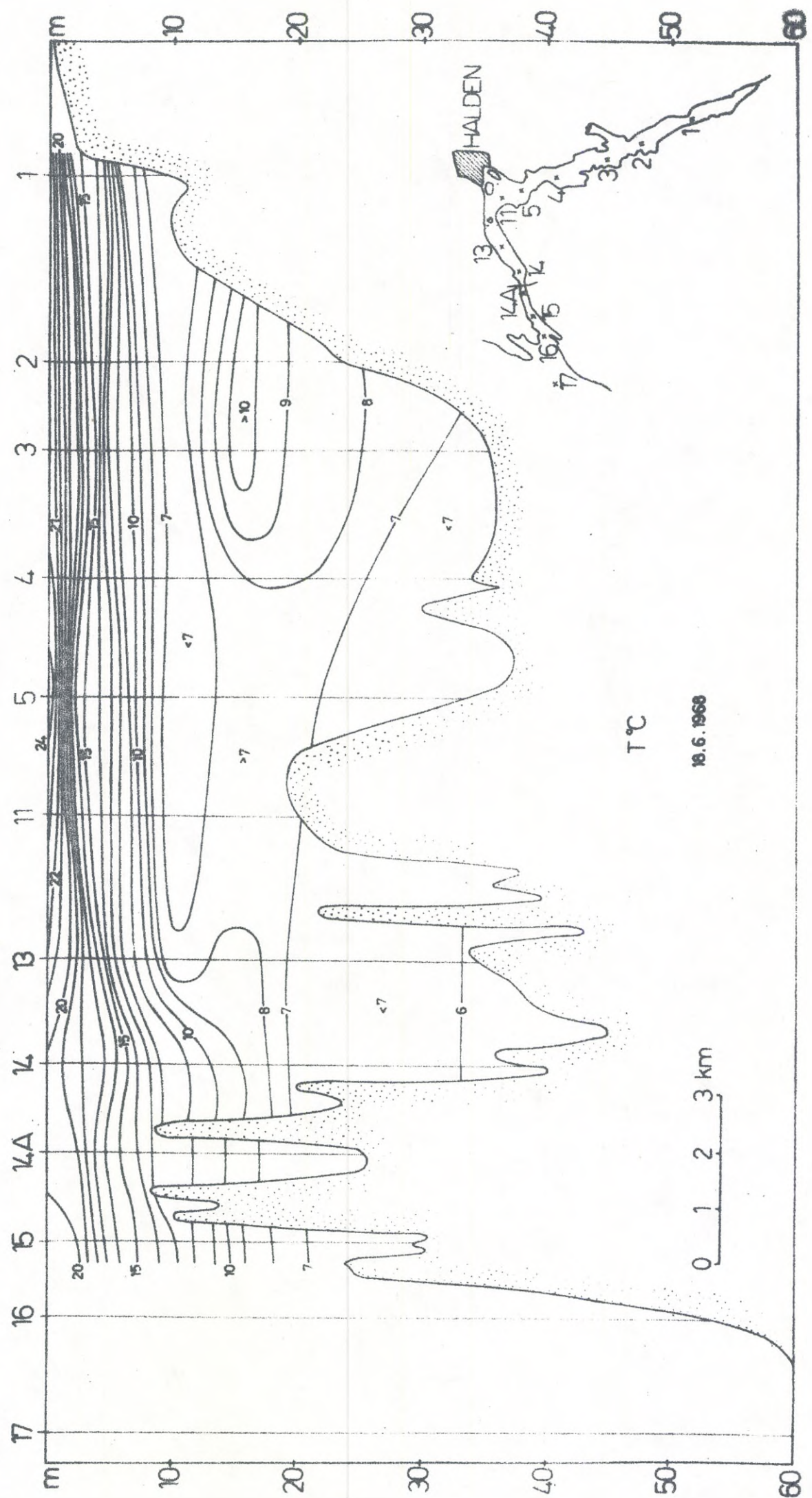
T °C

0 1 2 3 km





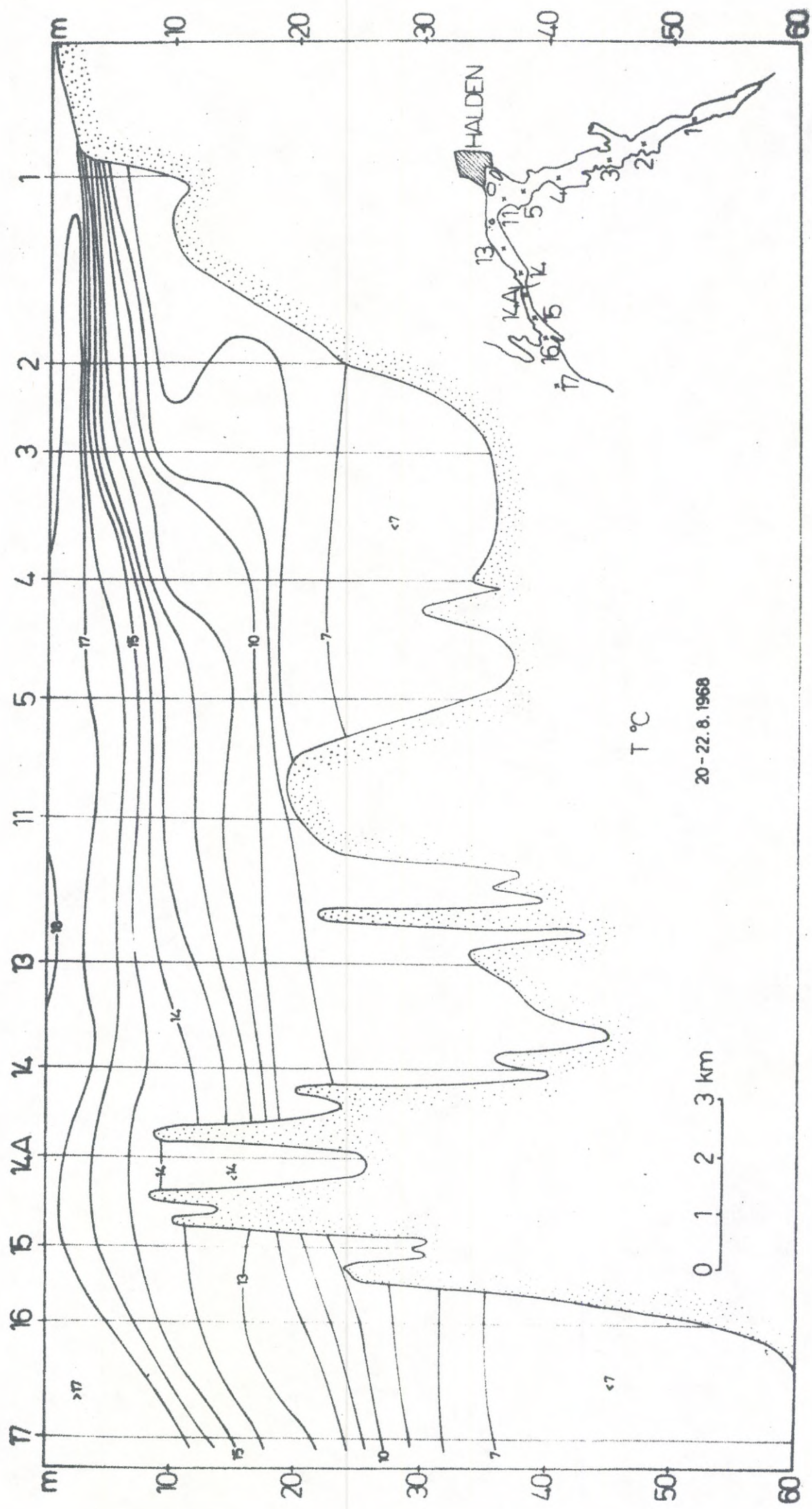


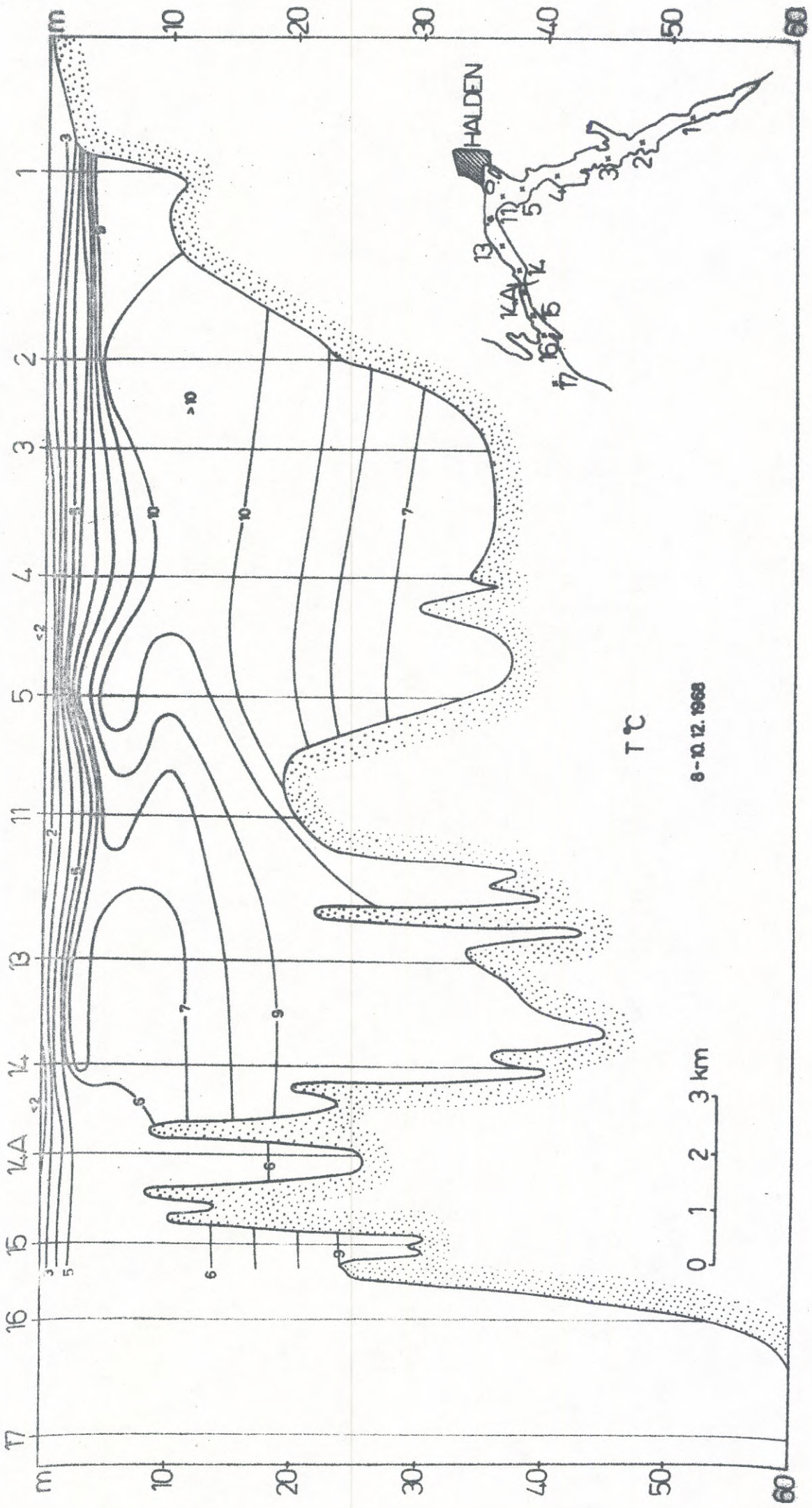


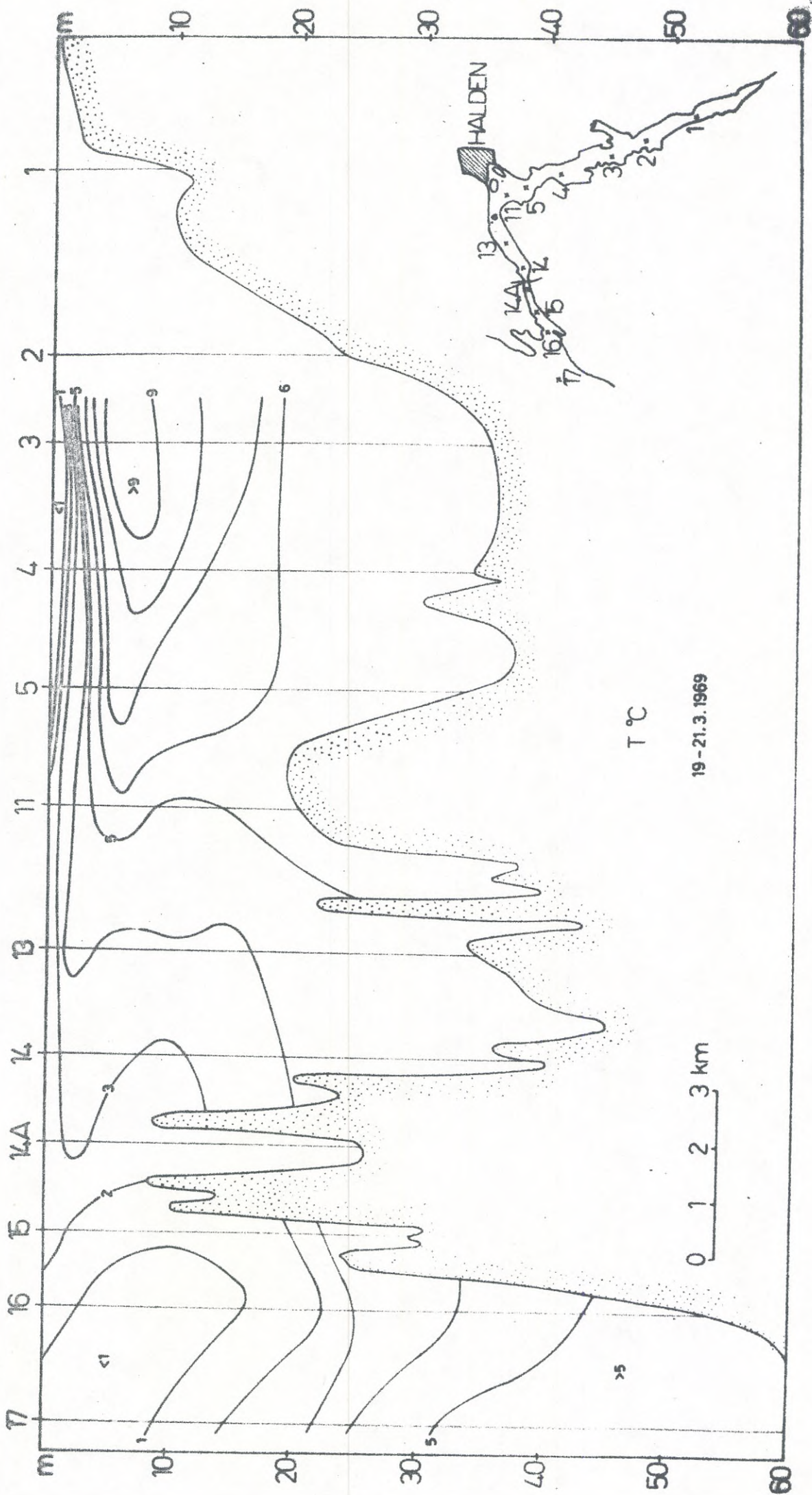
18.6.1968

T °C

0 1 2 3 km



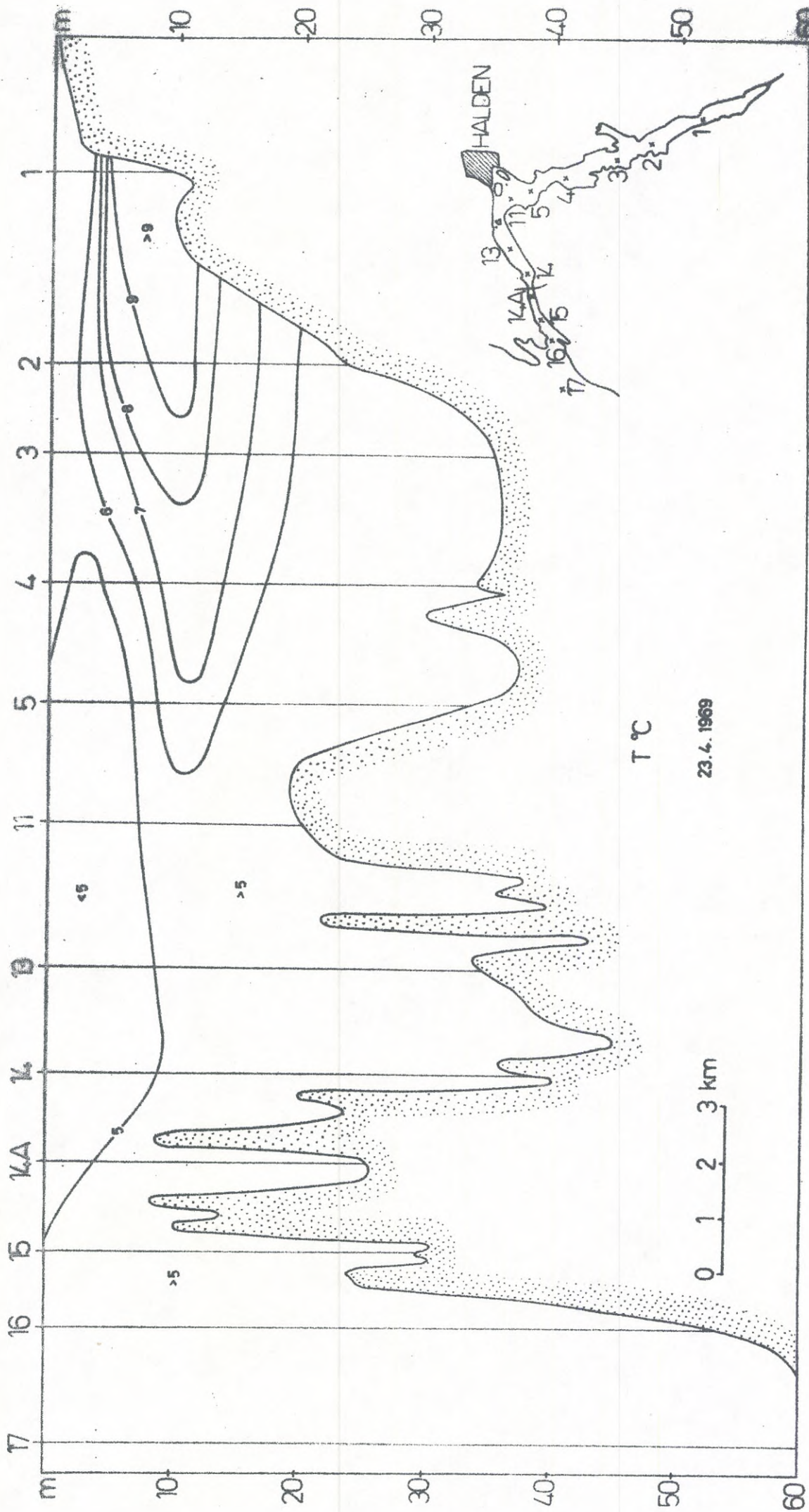


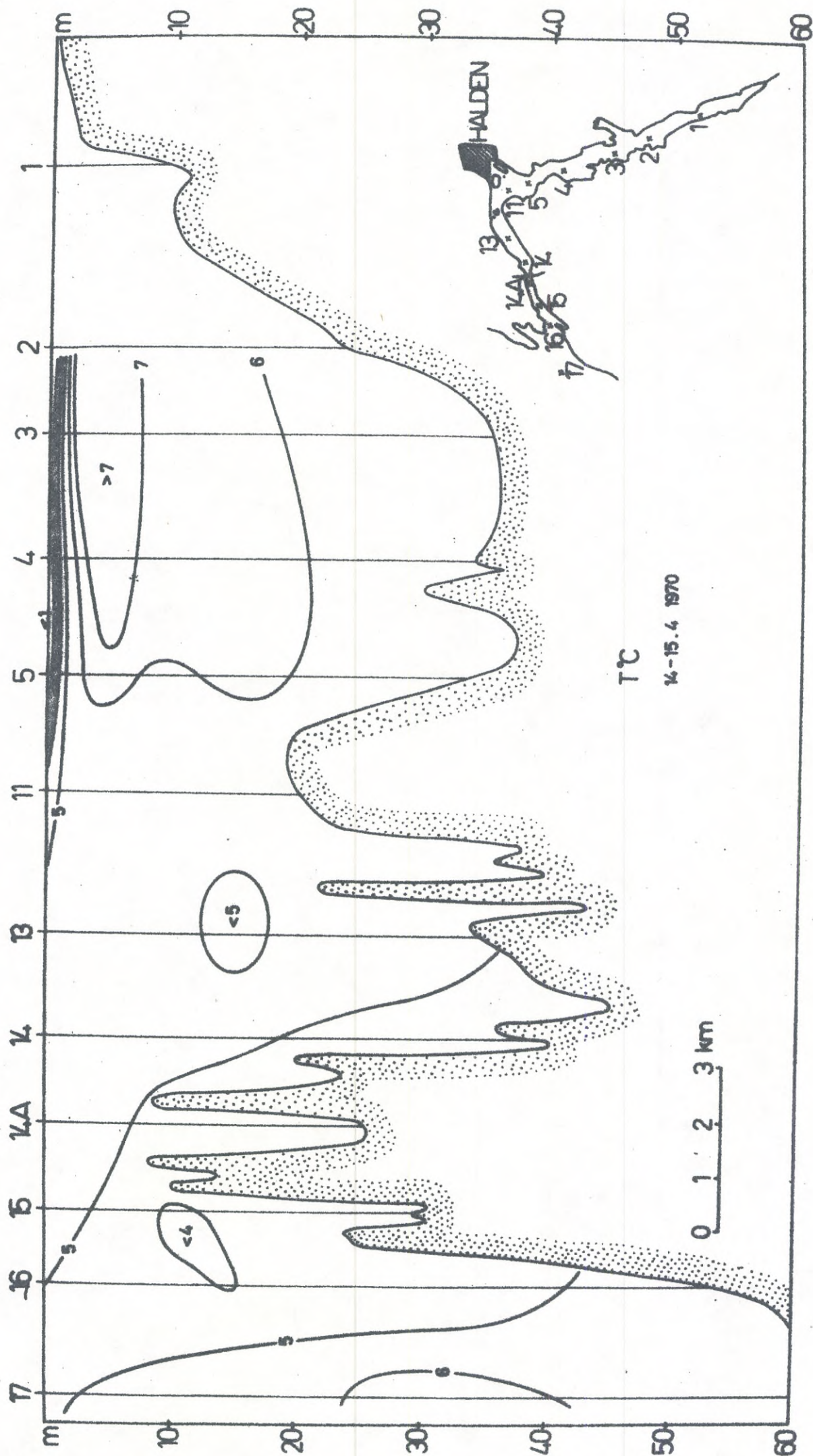


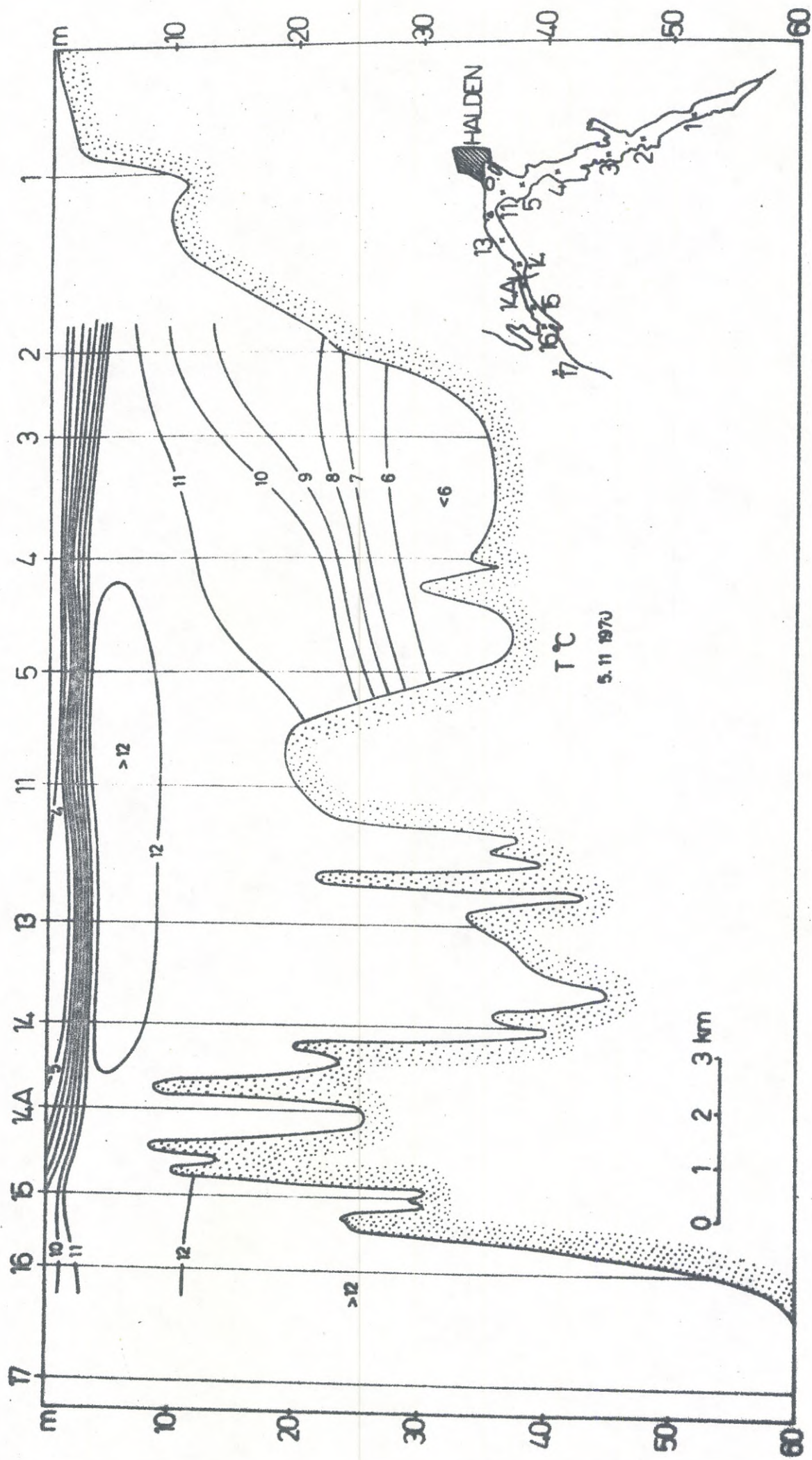
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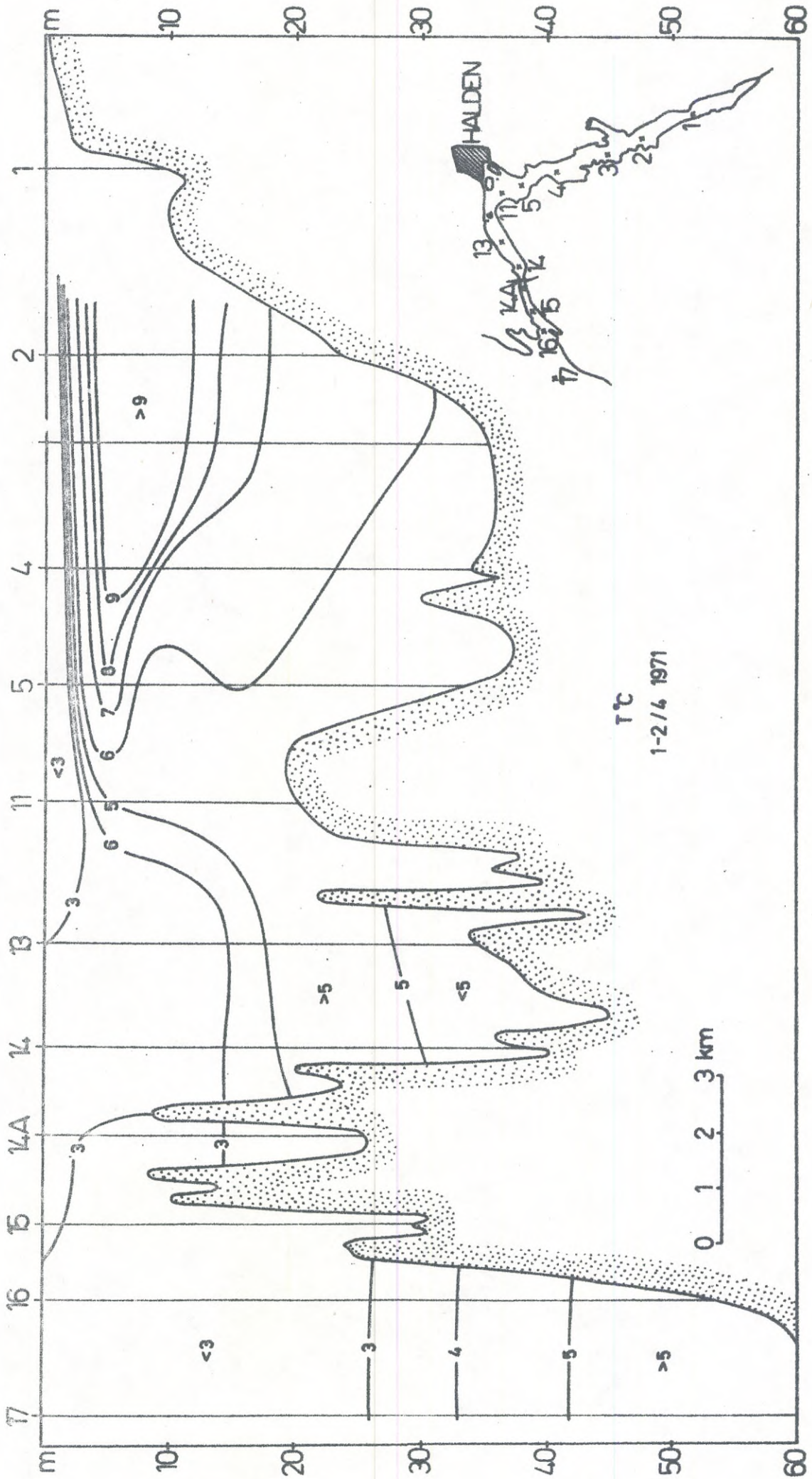
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0 1 2 3 km

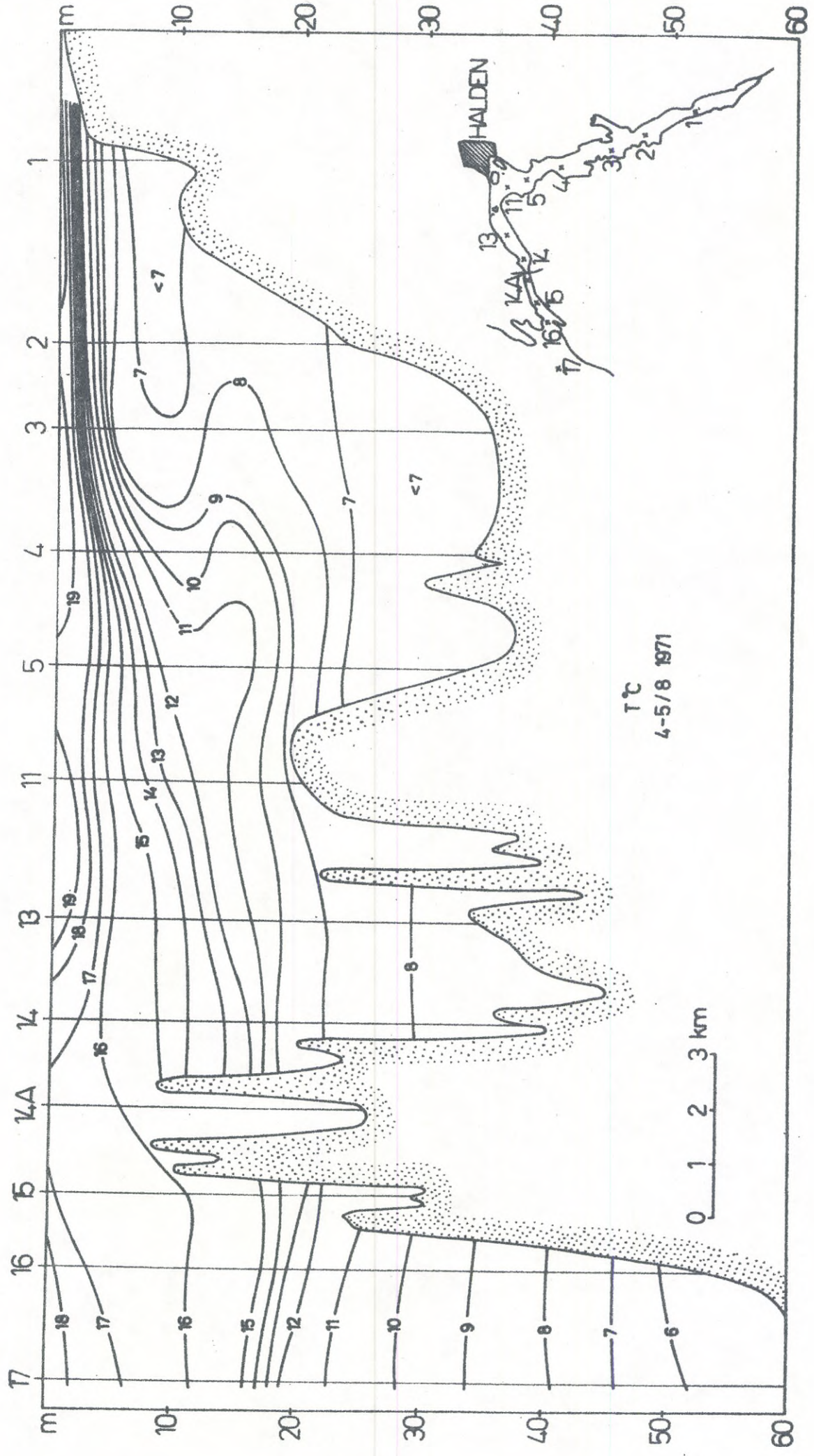


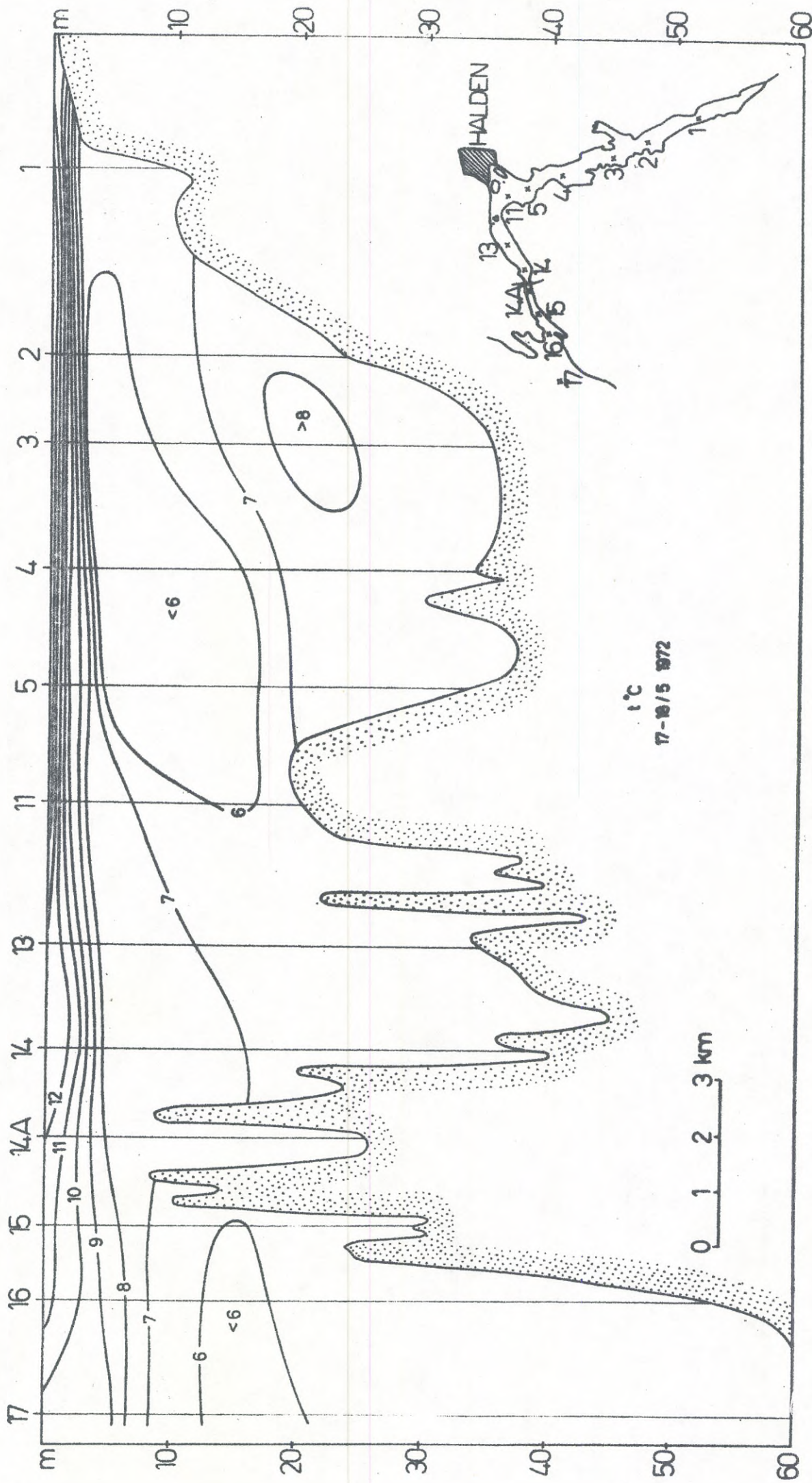


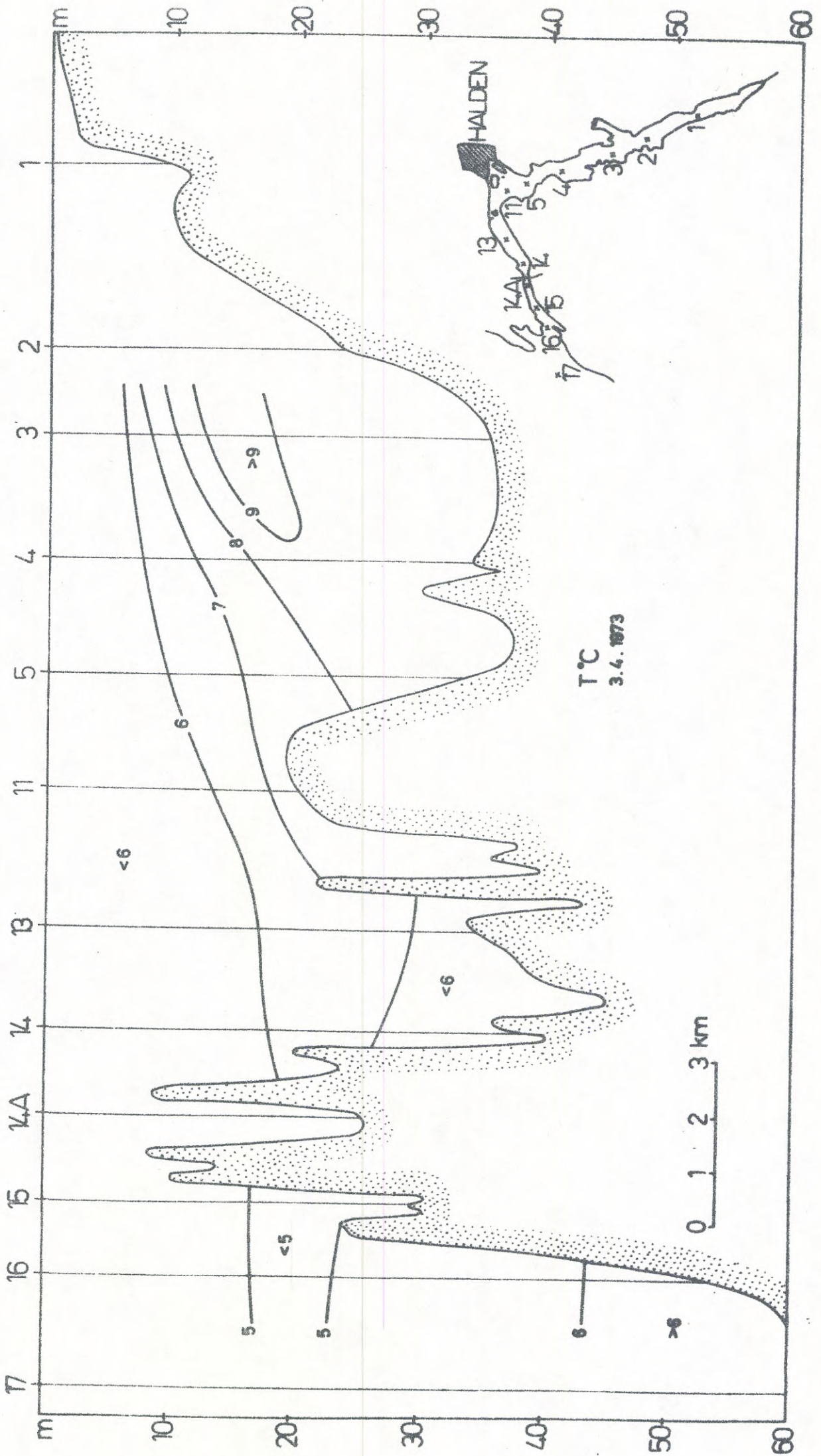


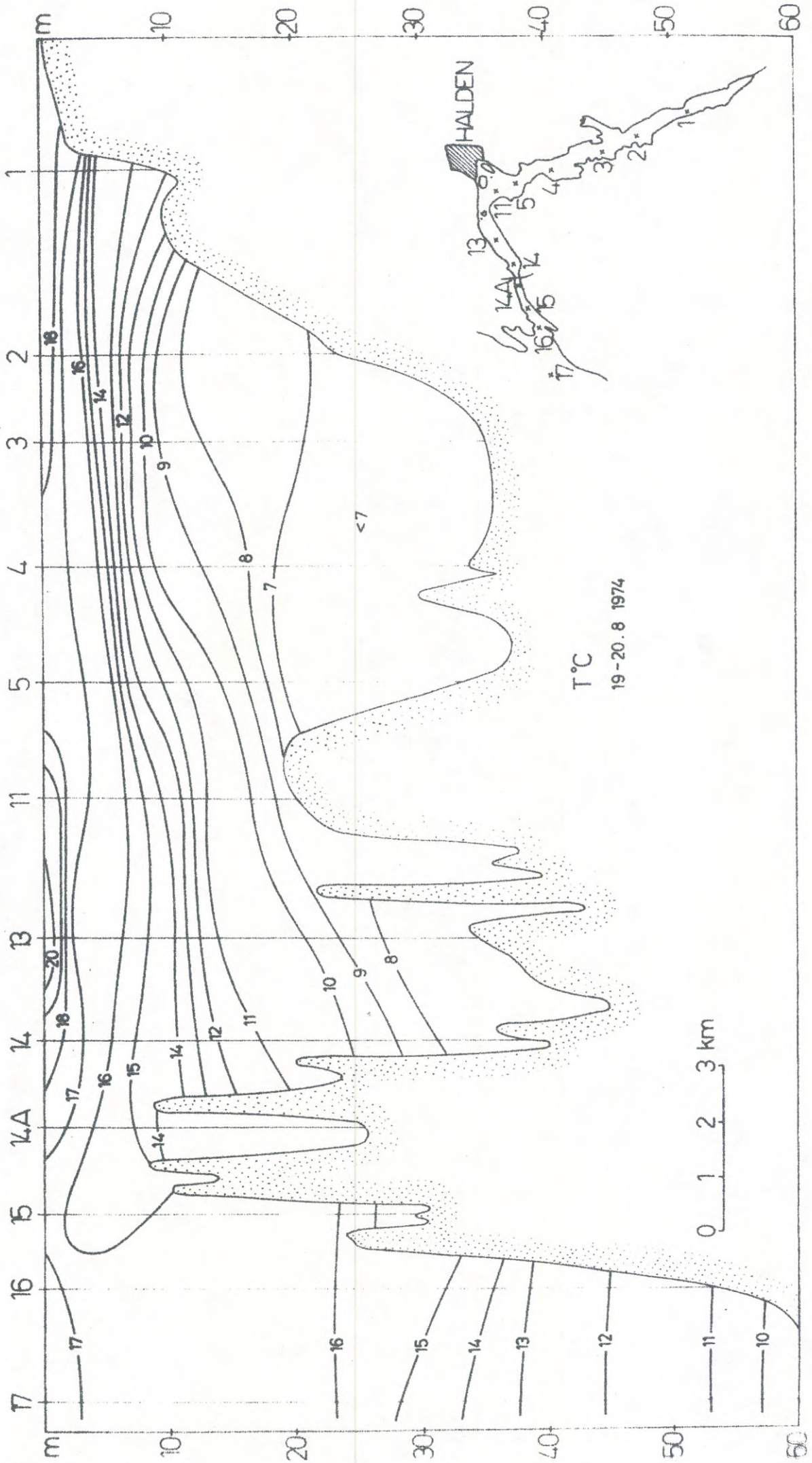


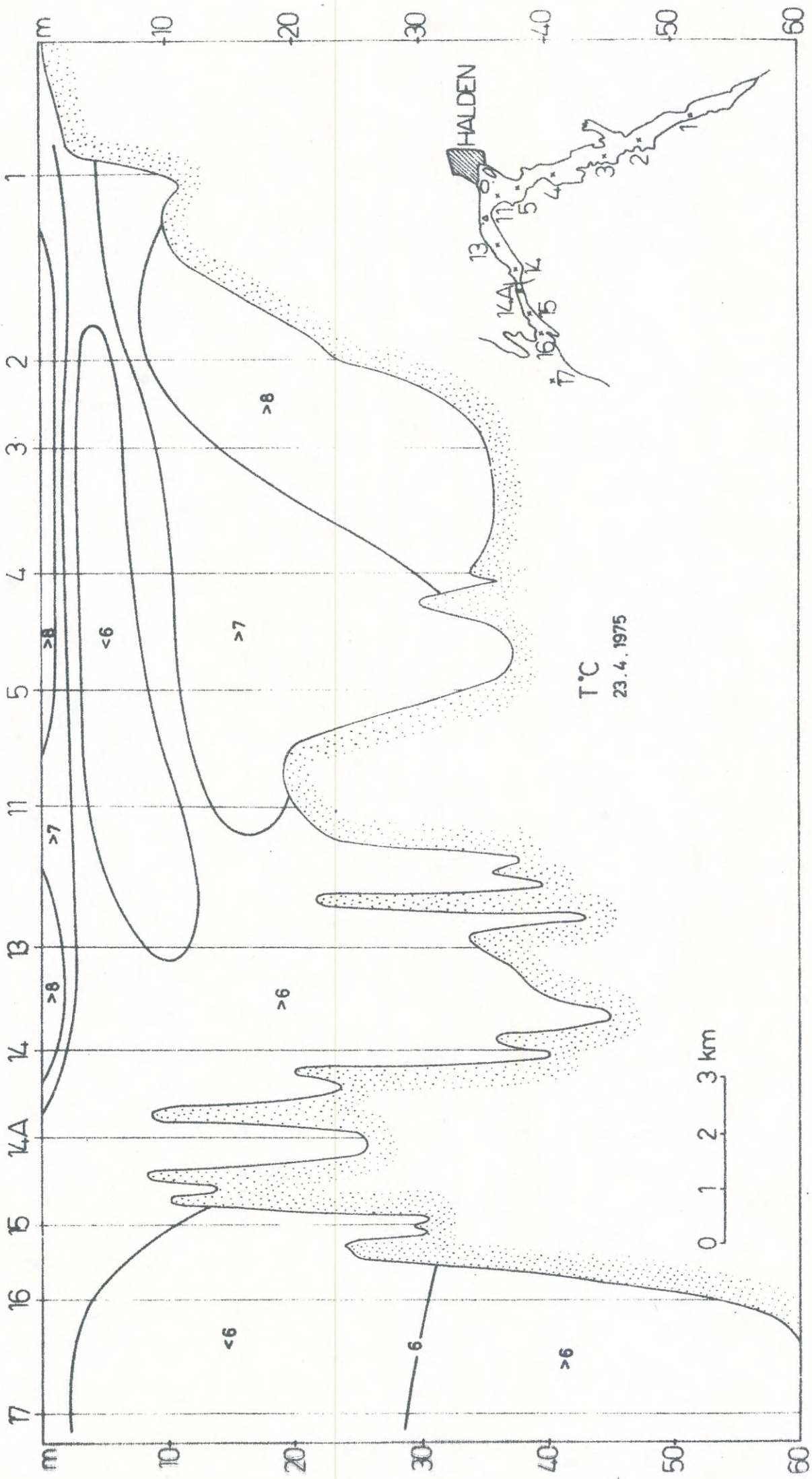


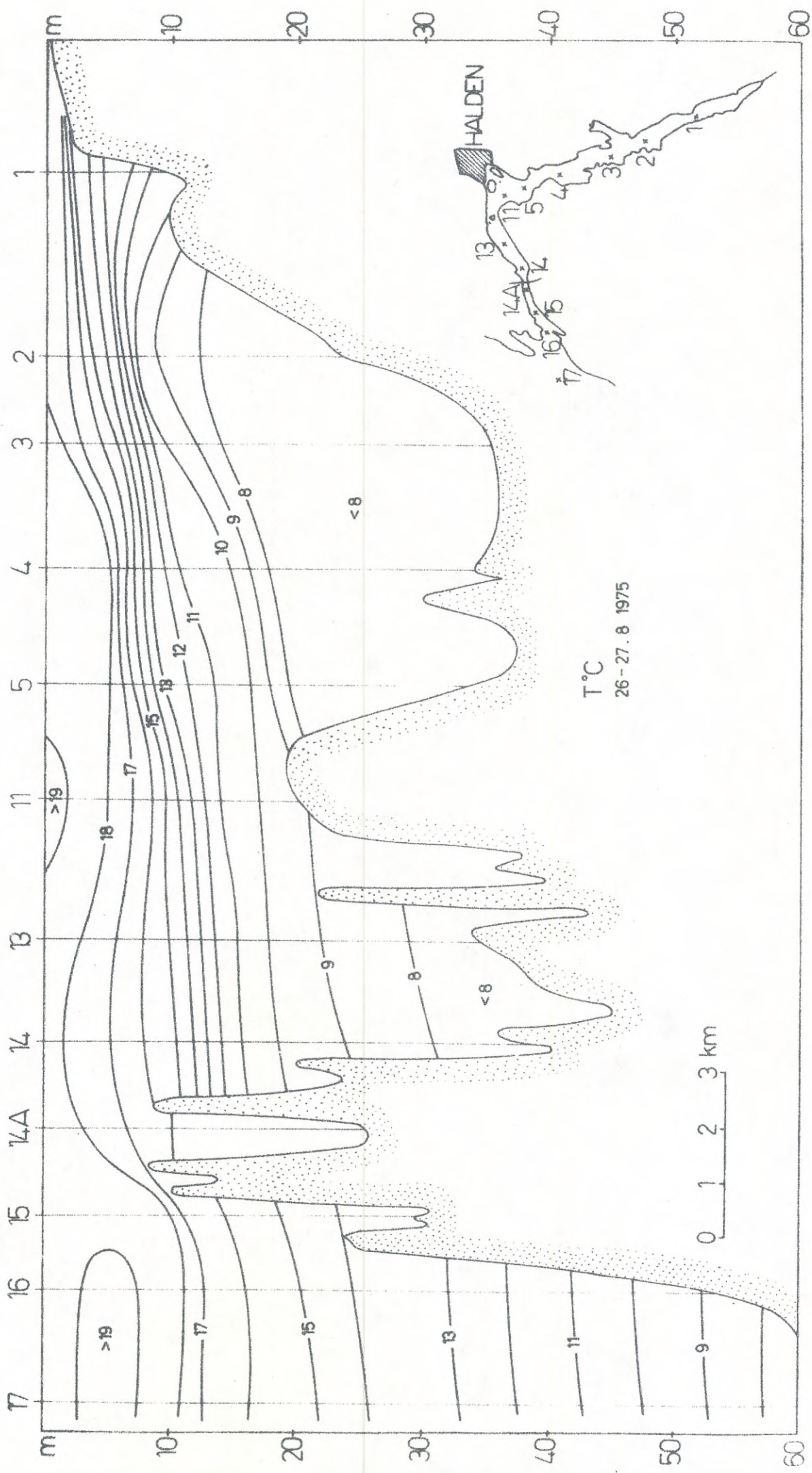


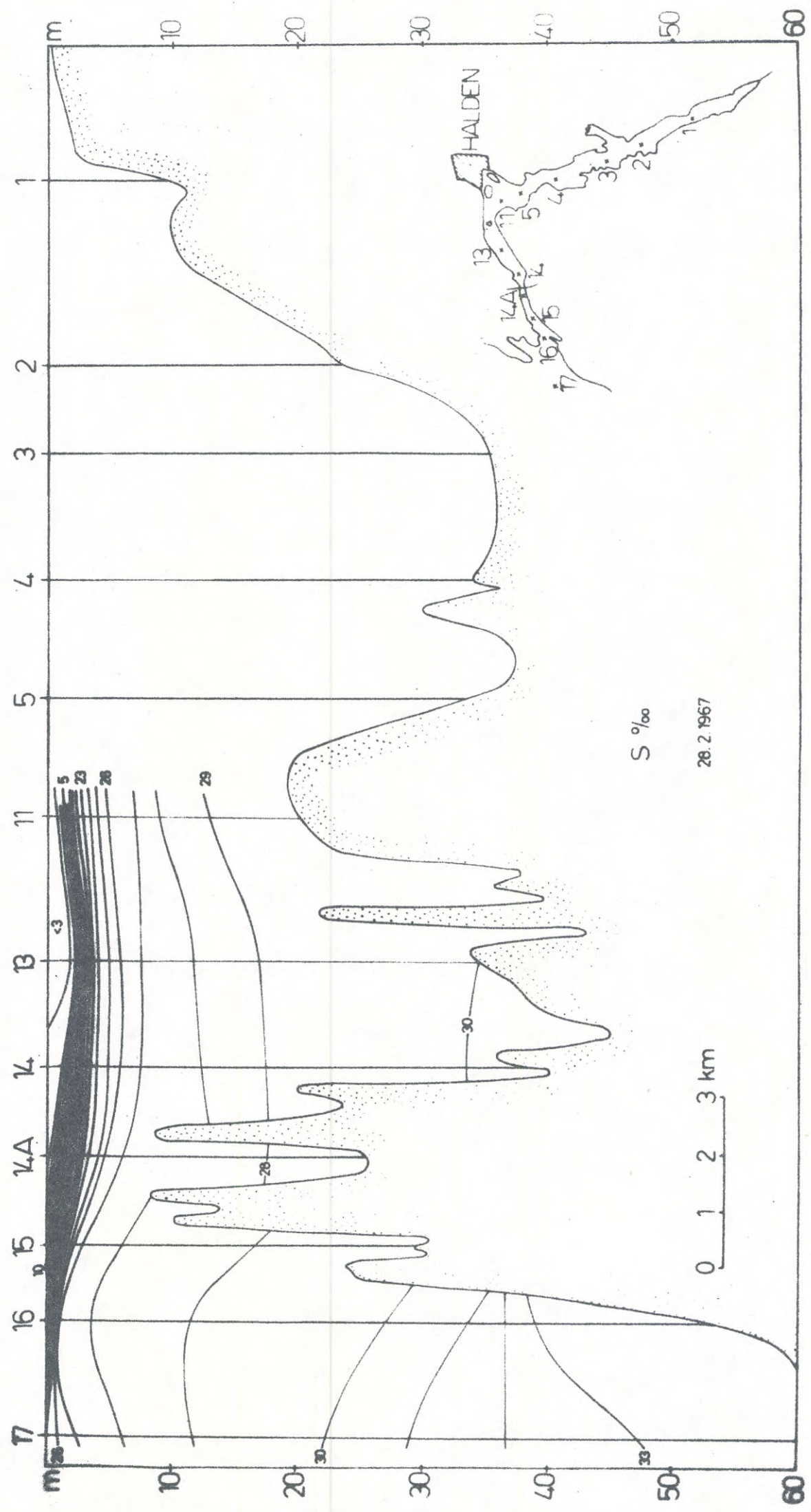






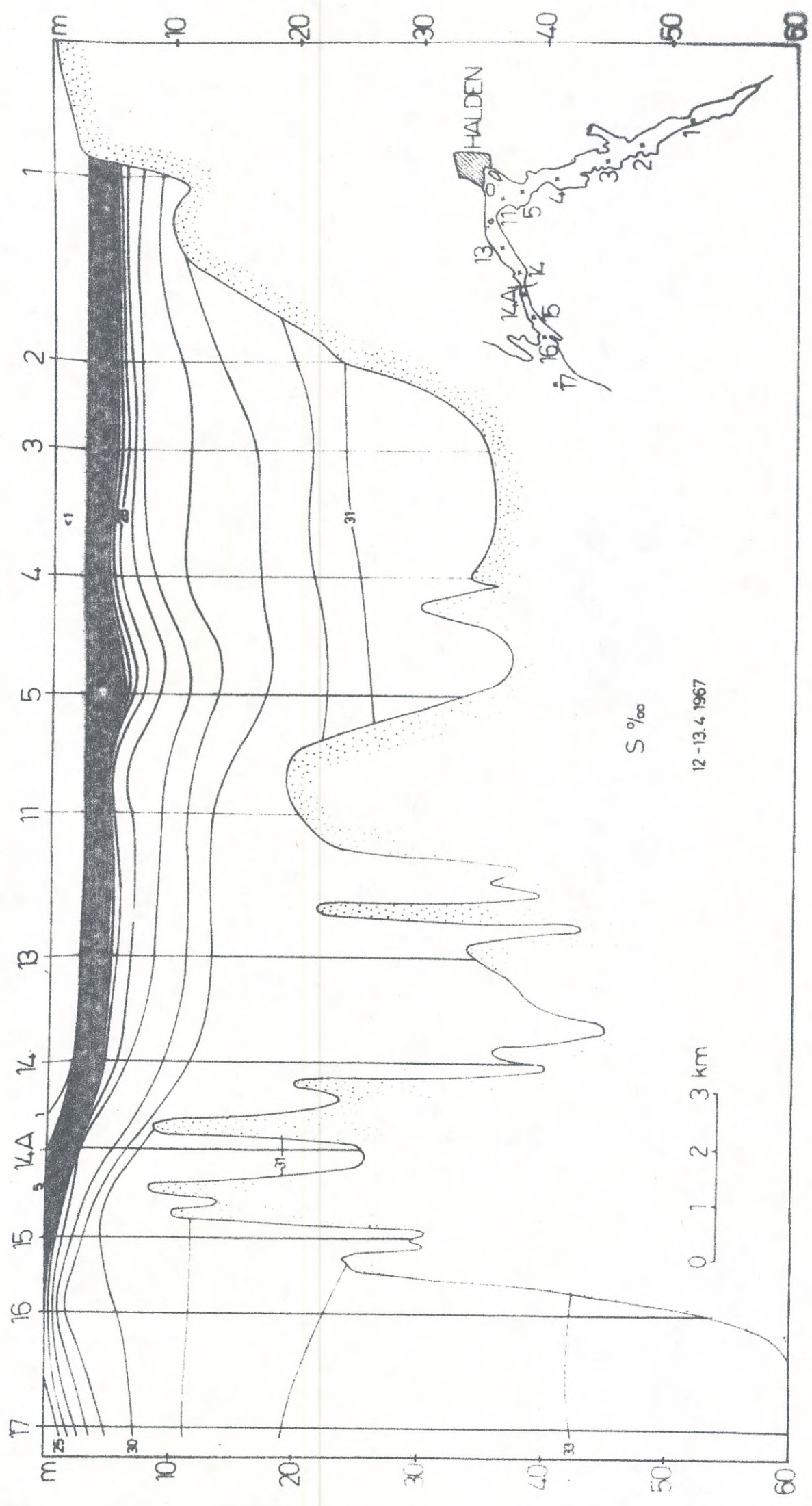




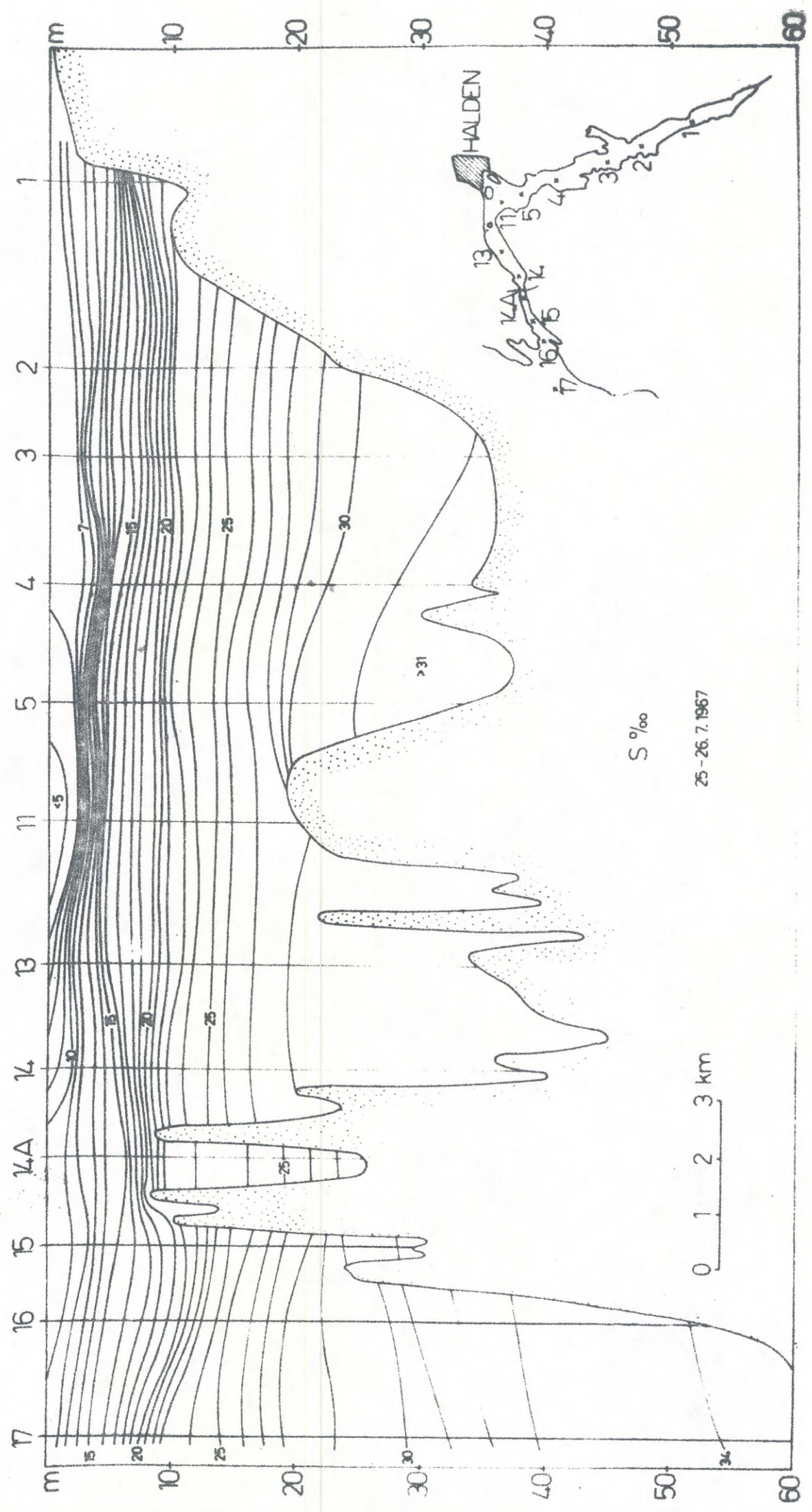


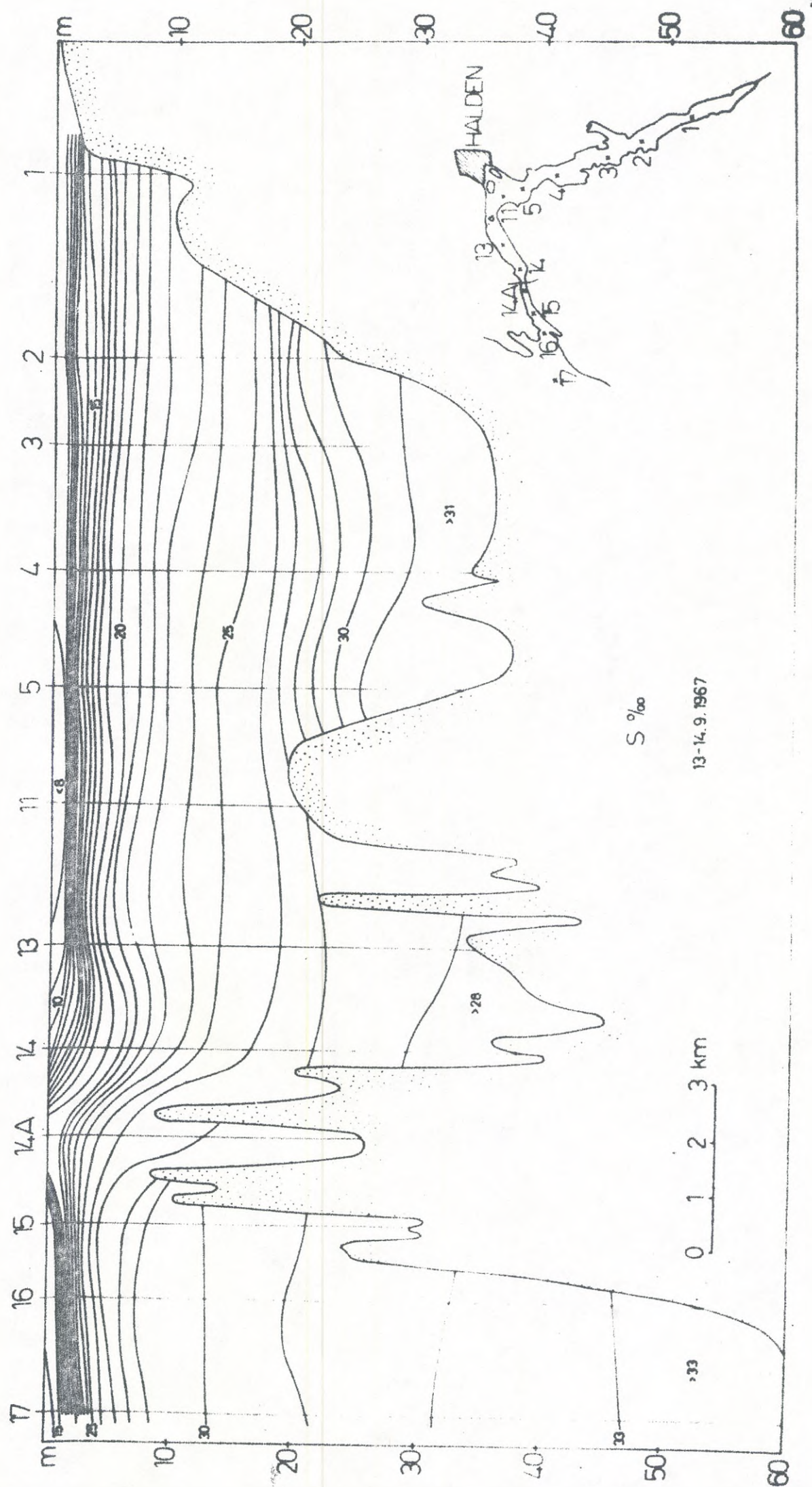
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28.2.1967

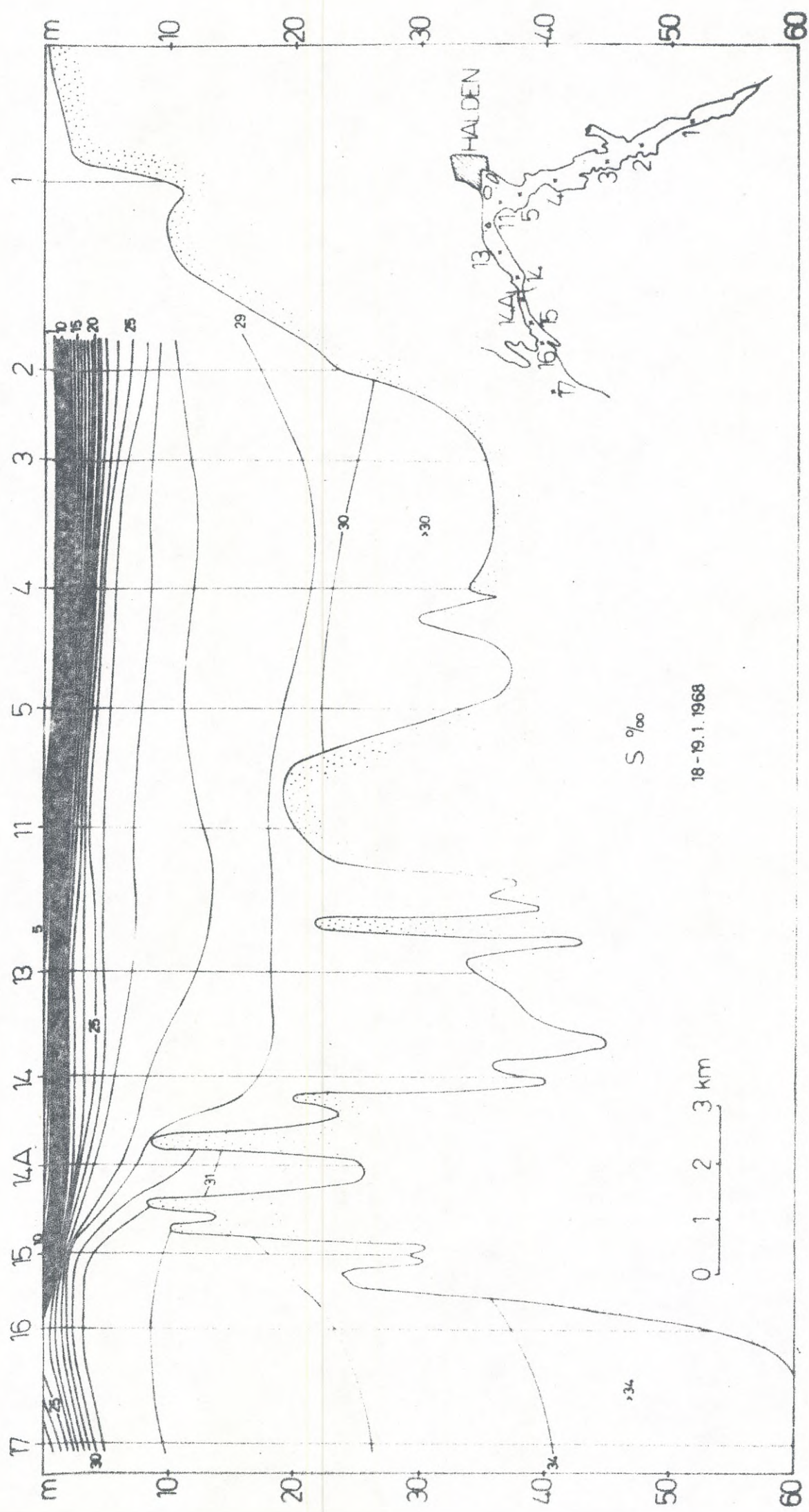
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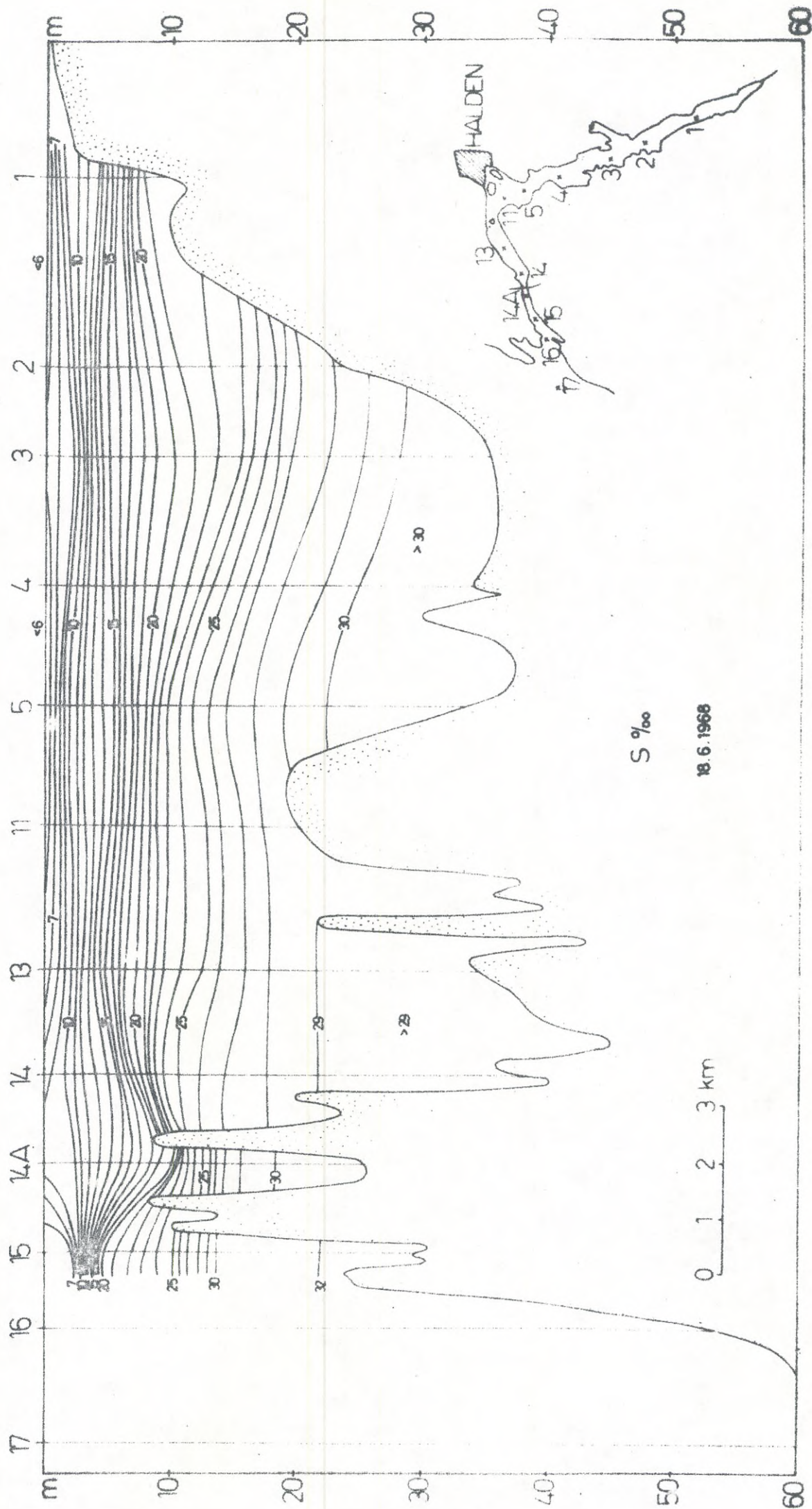


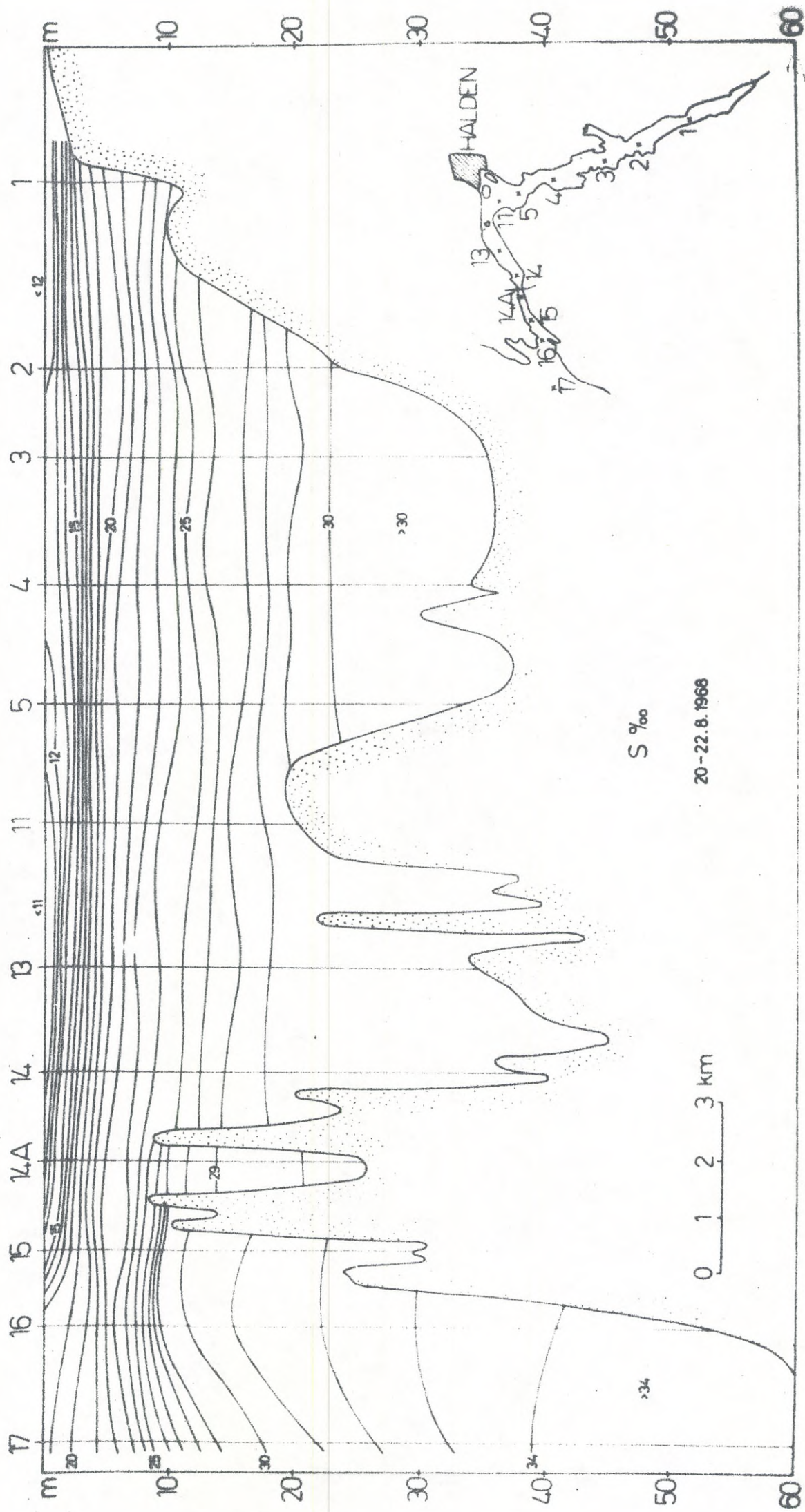






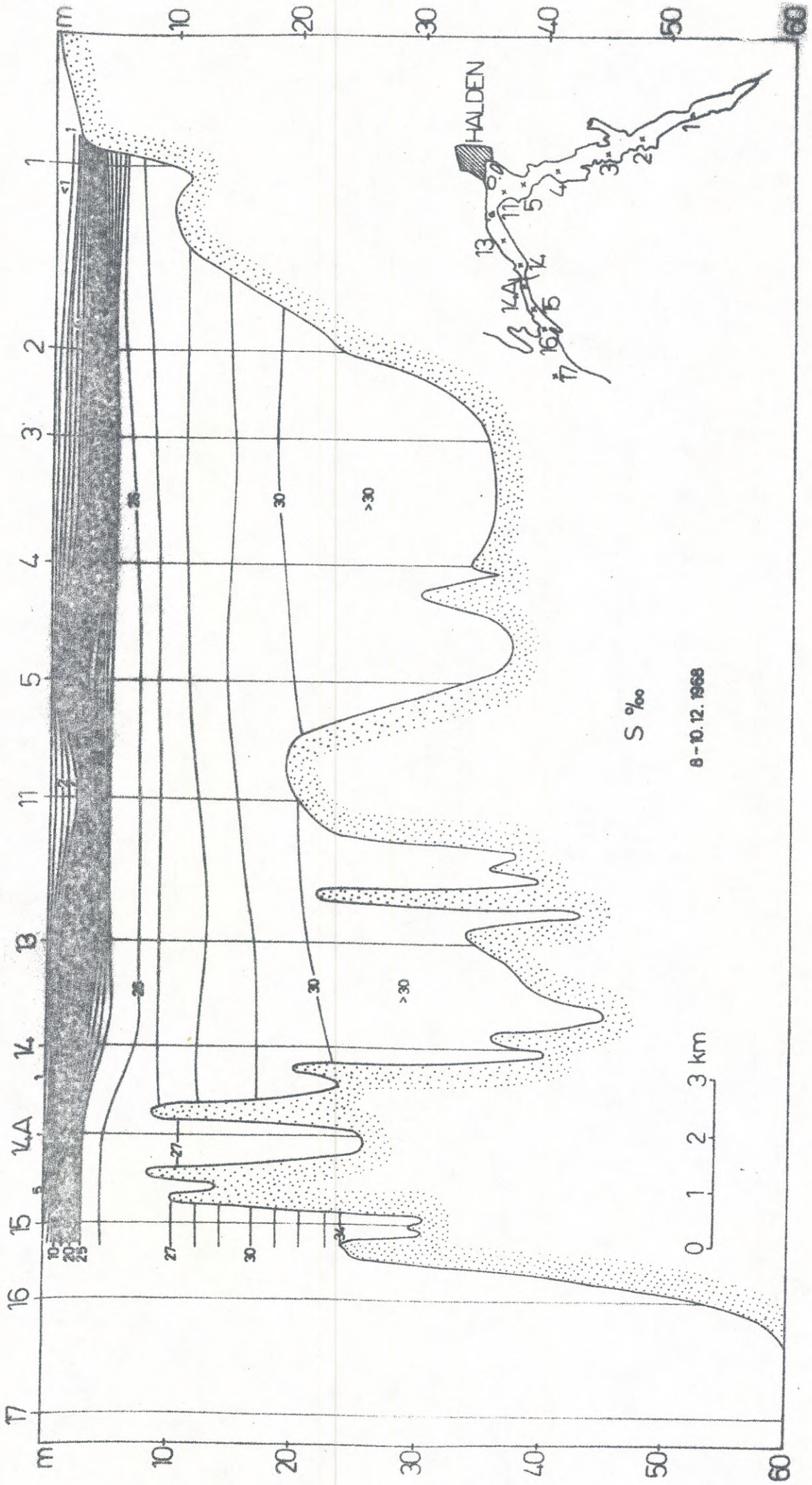


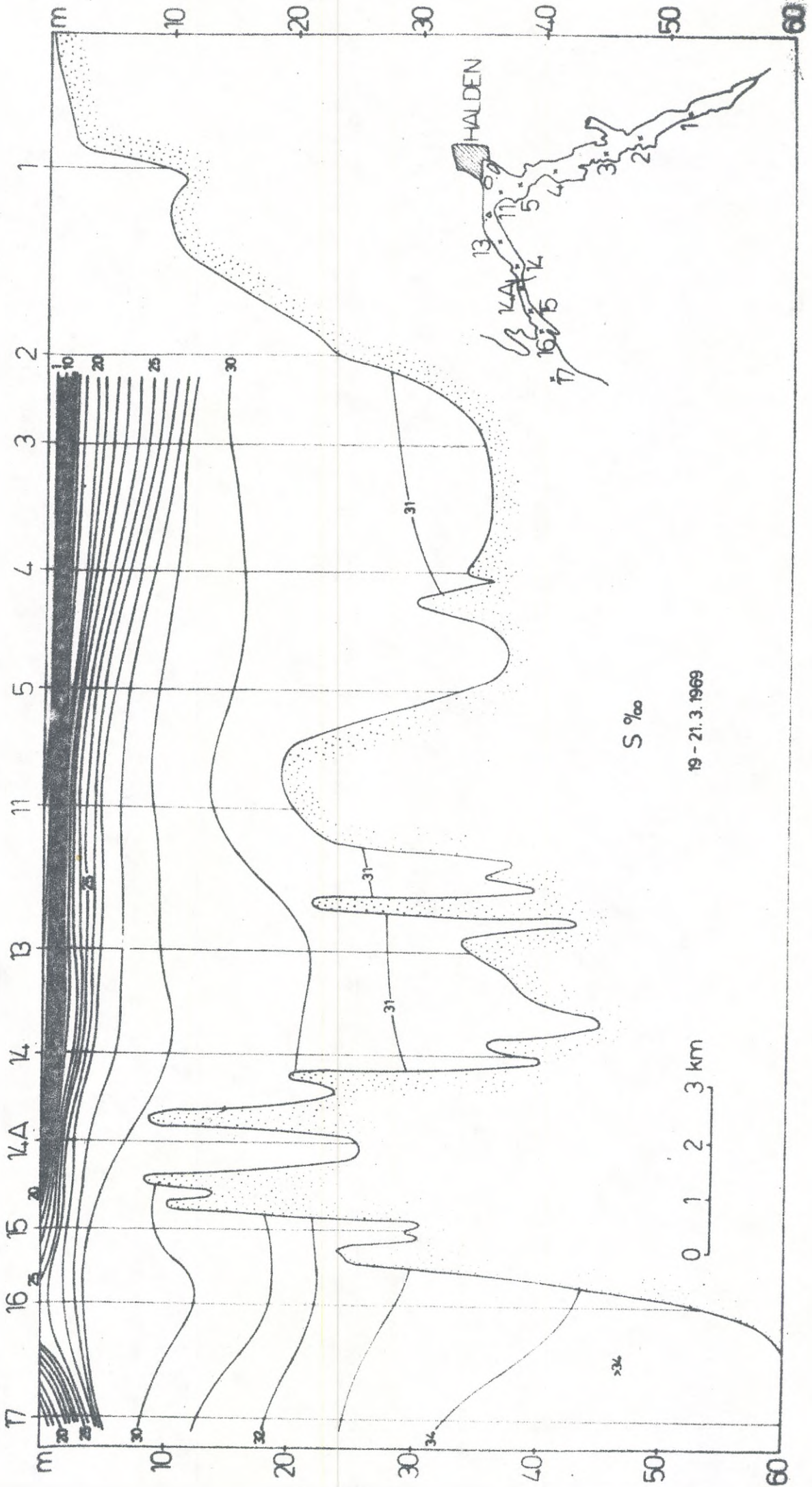


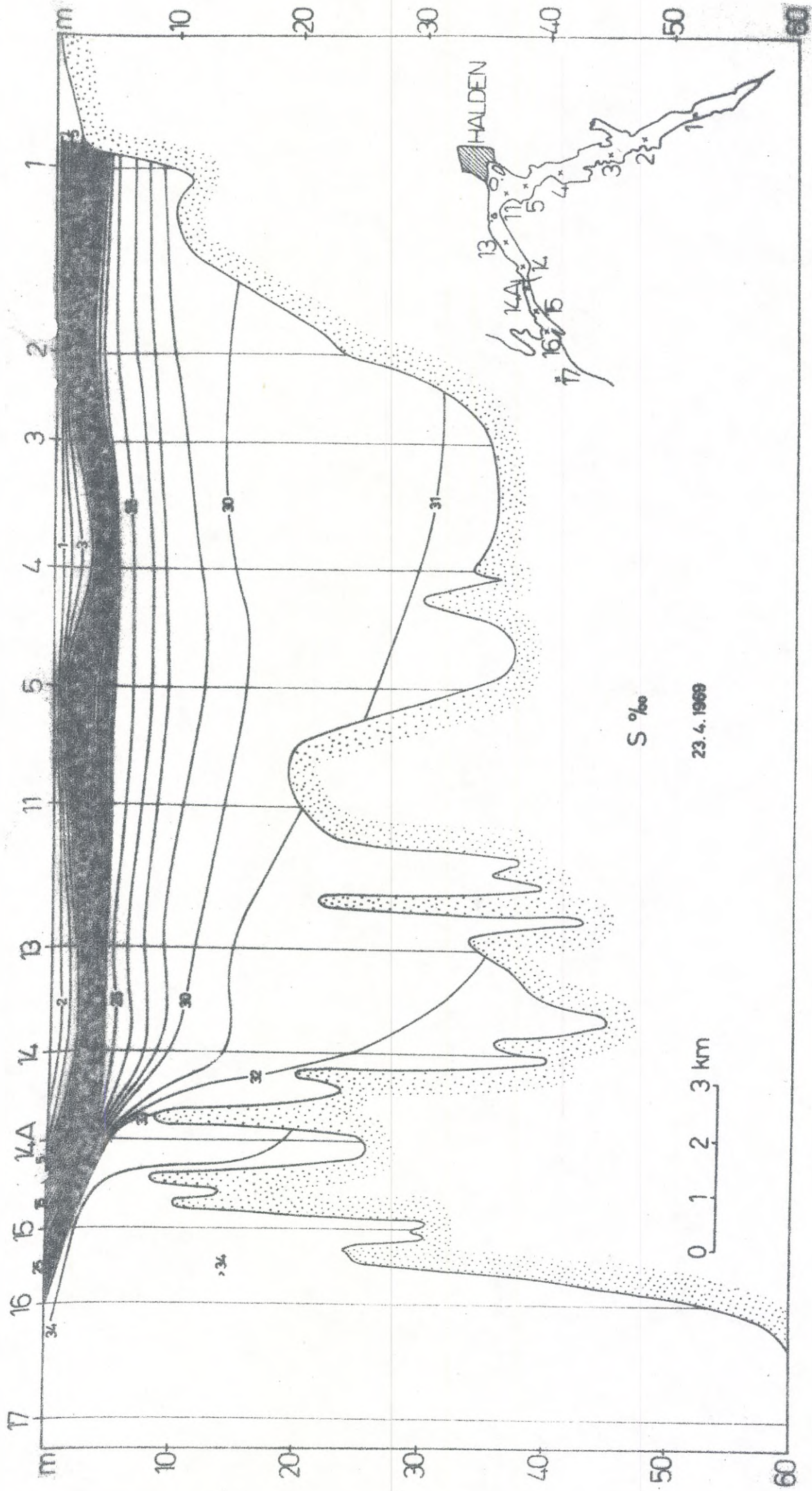


S ‰  
20-22.8.1968

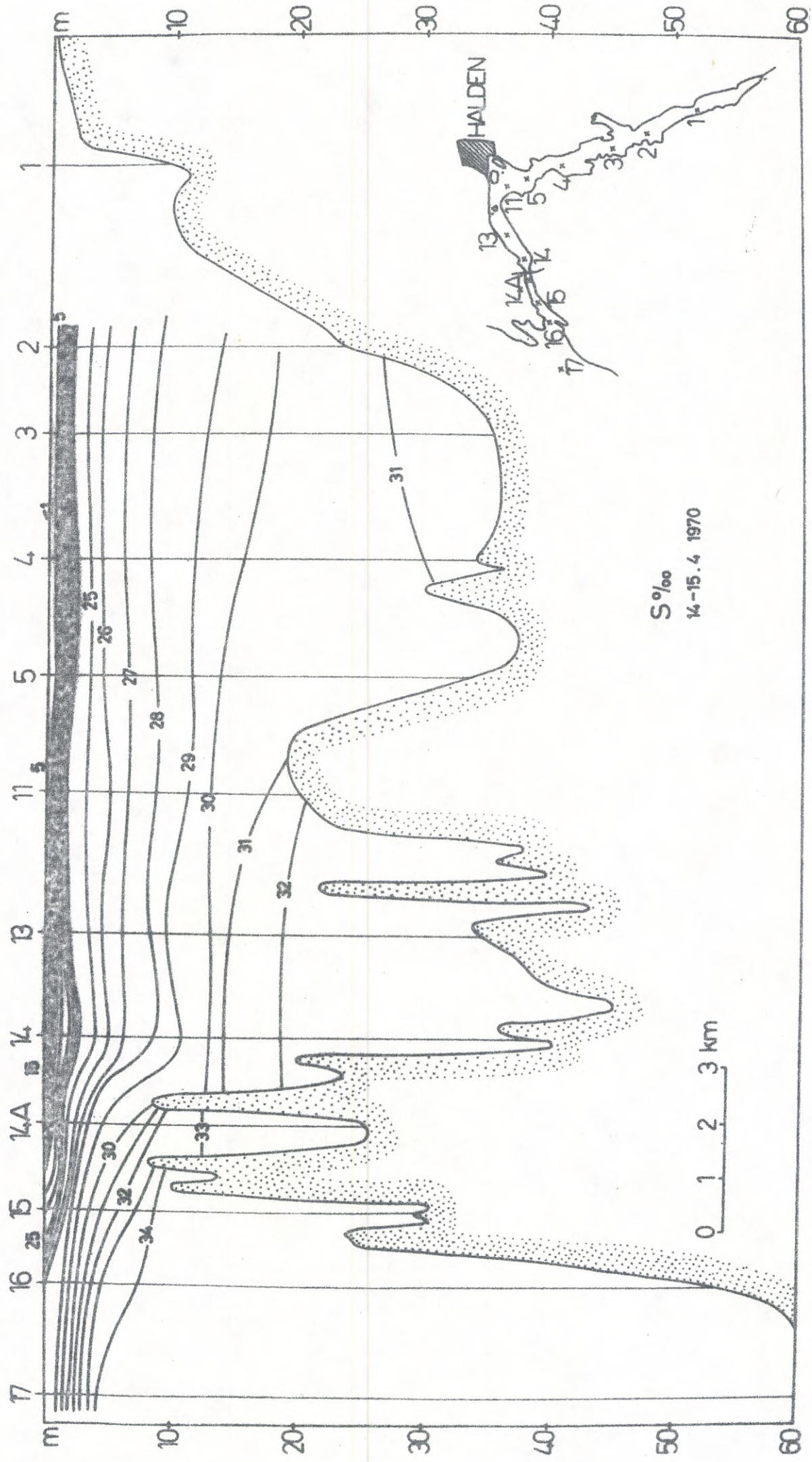
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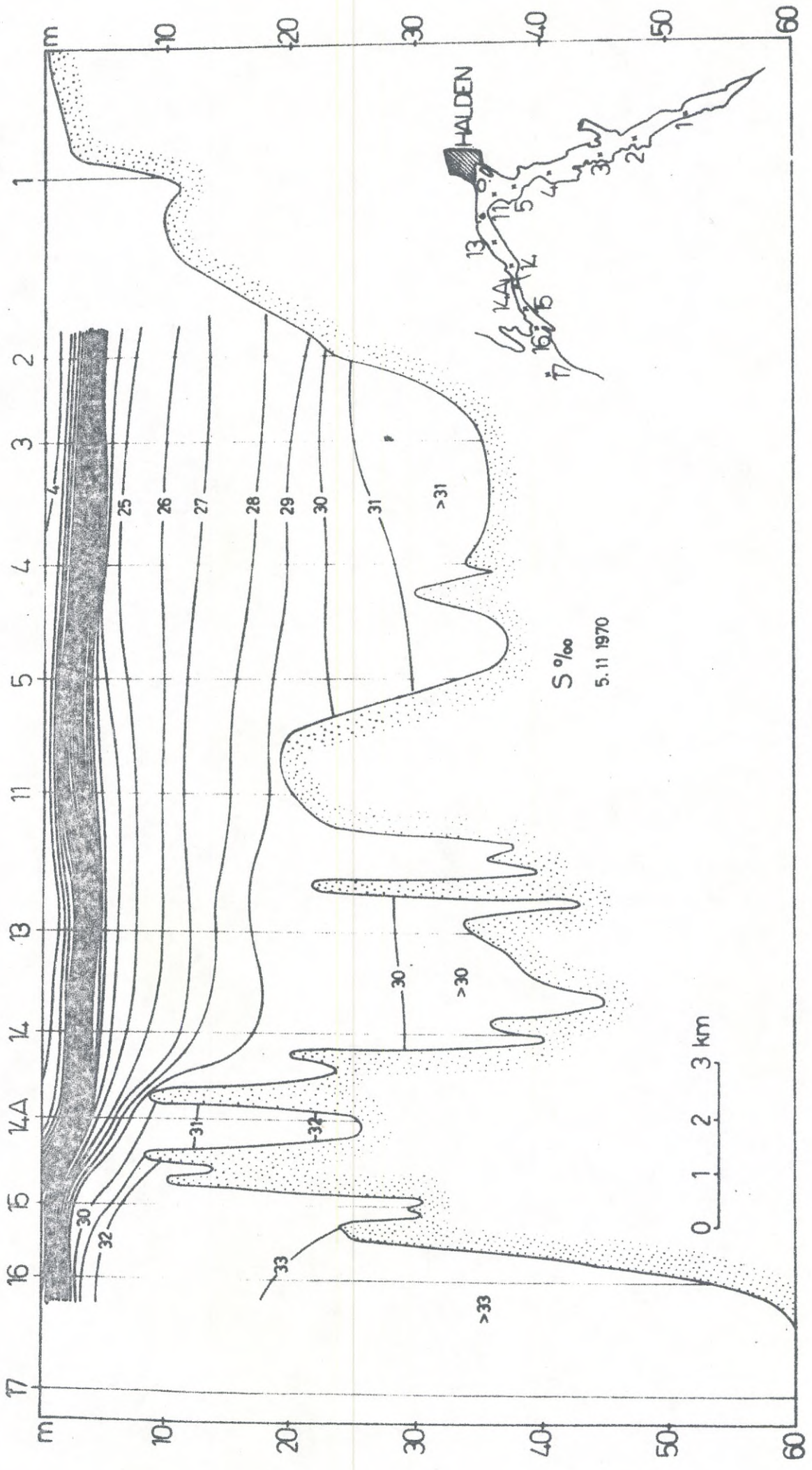


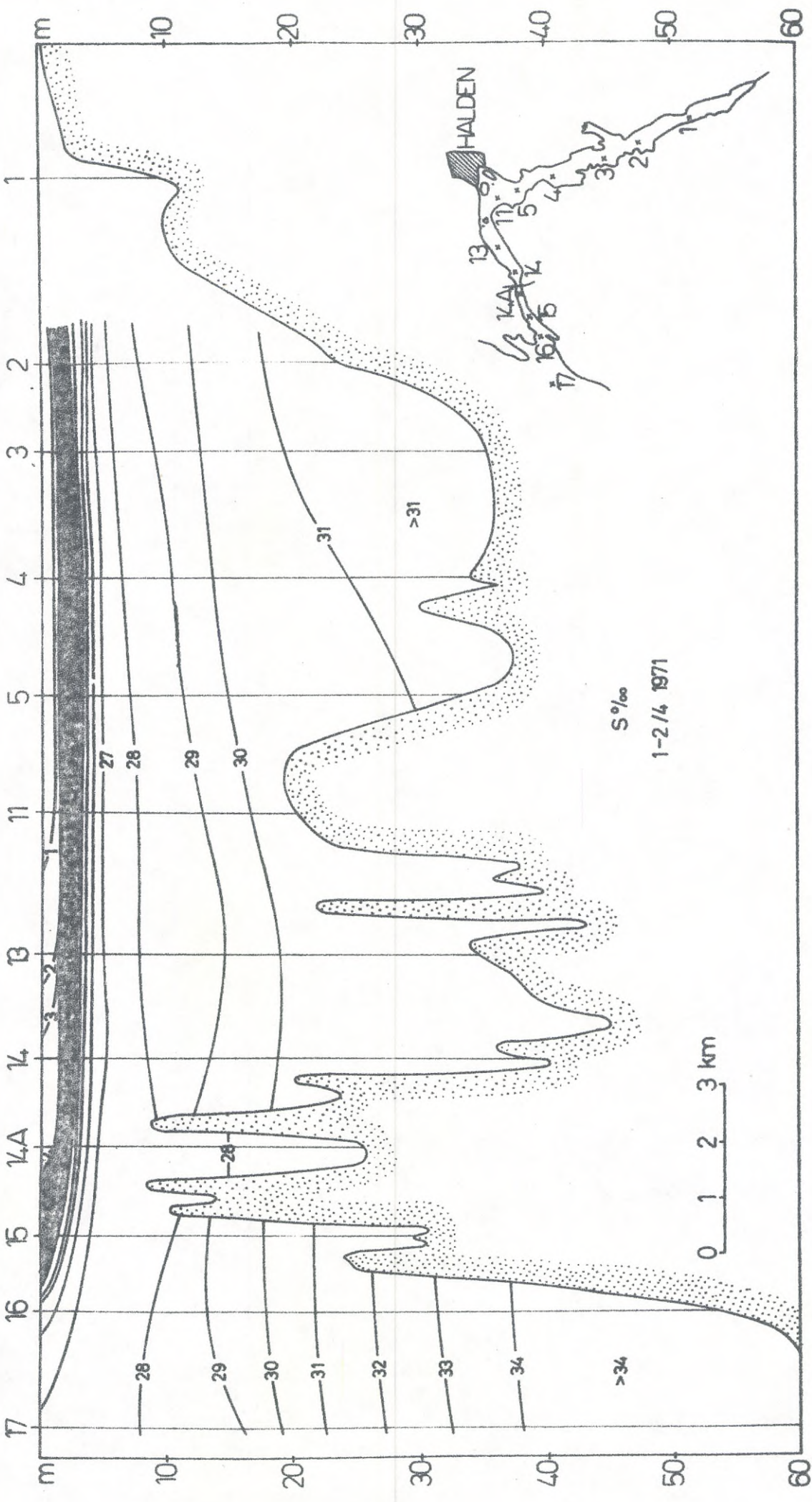


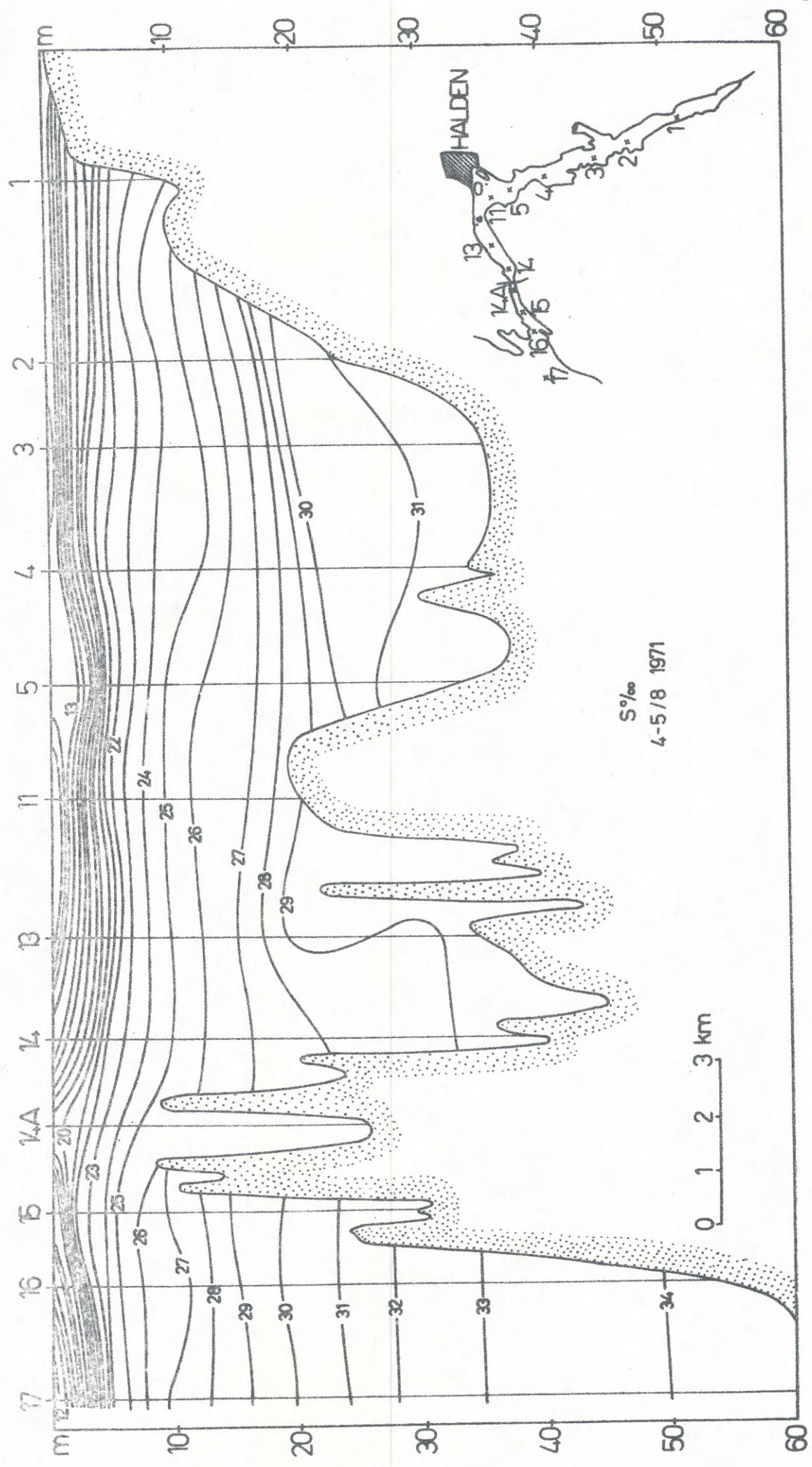


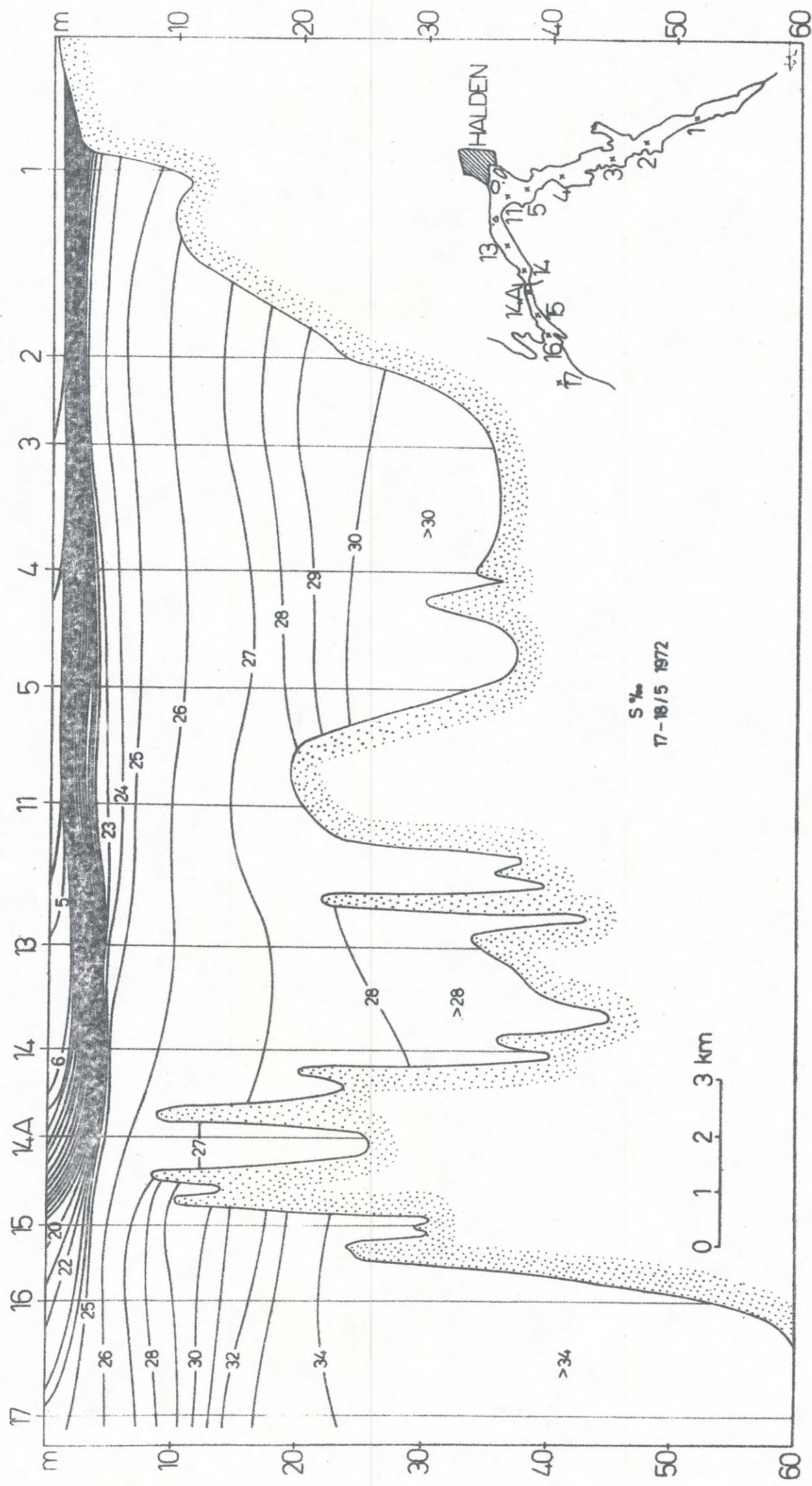


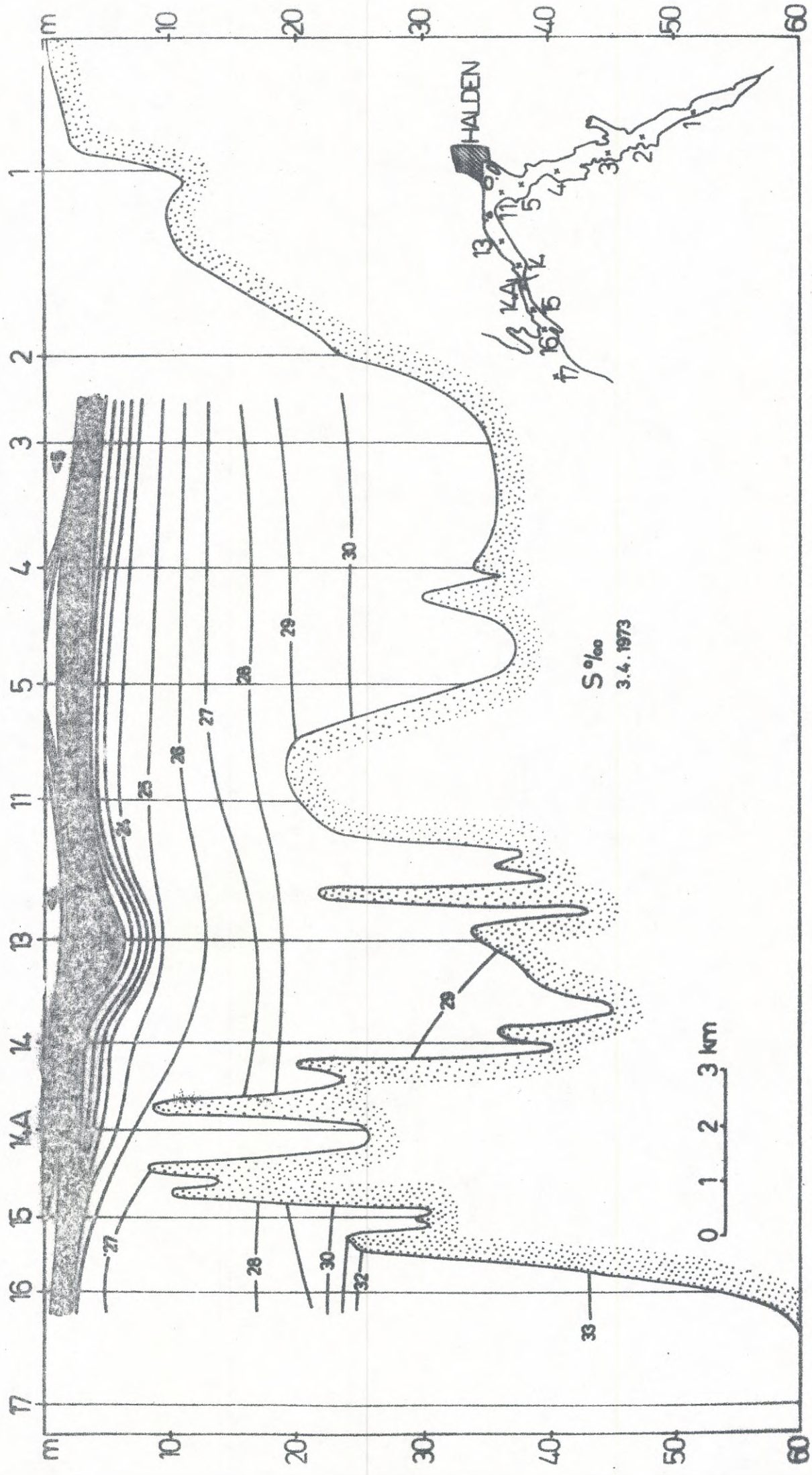


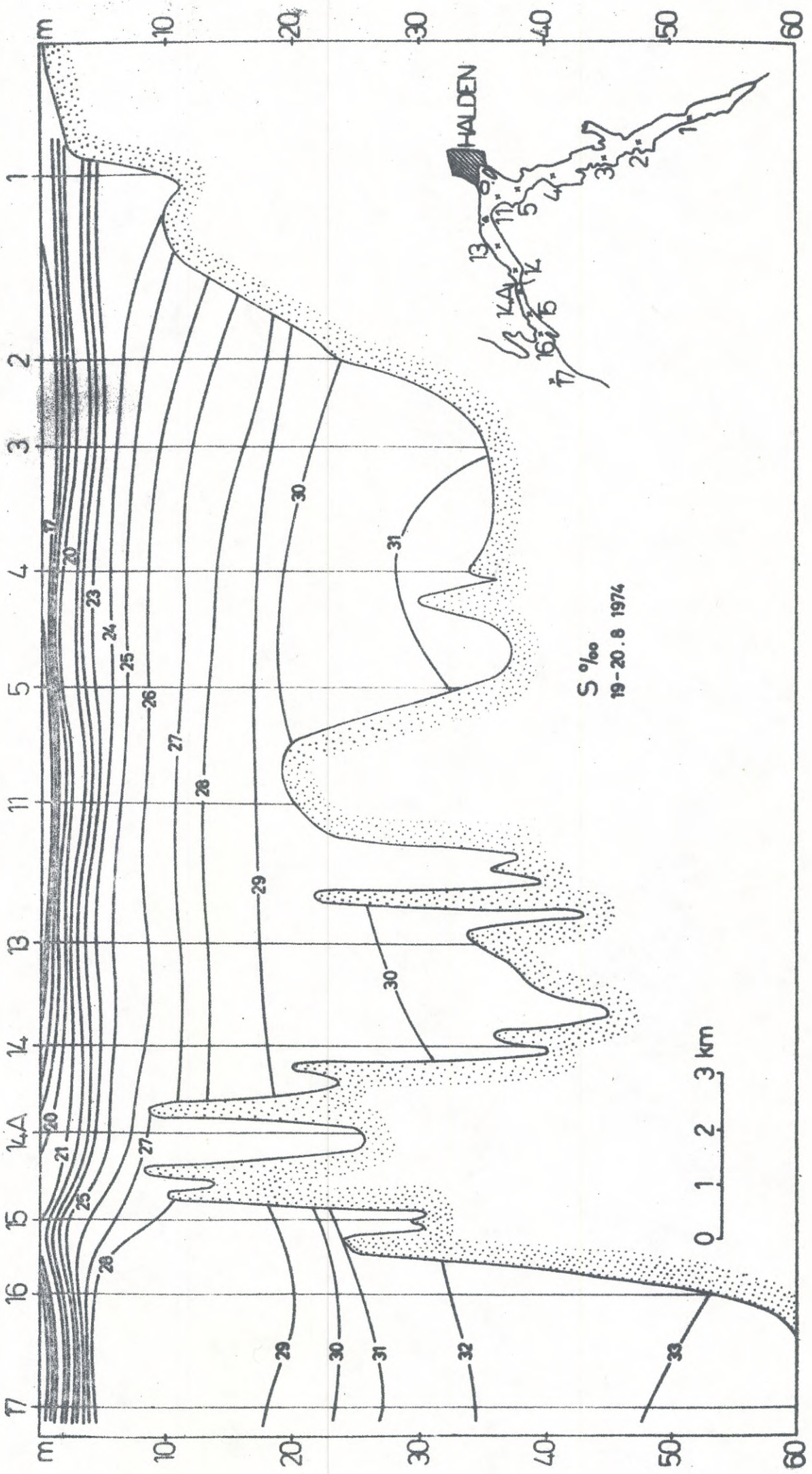


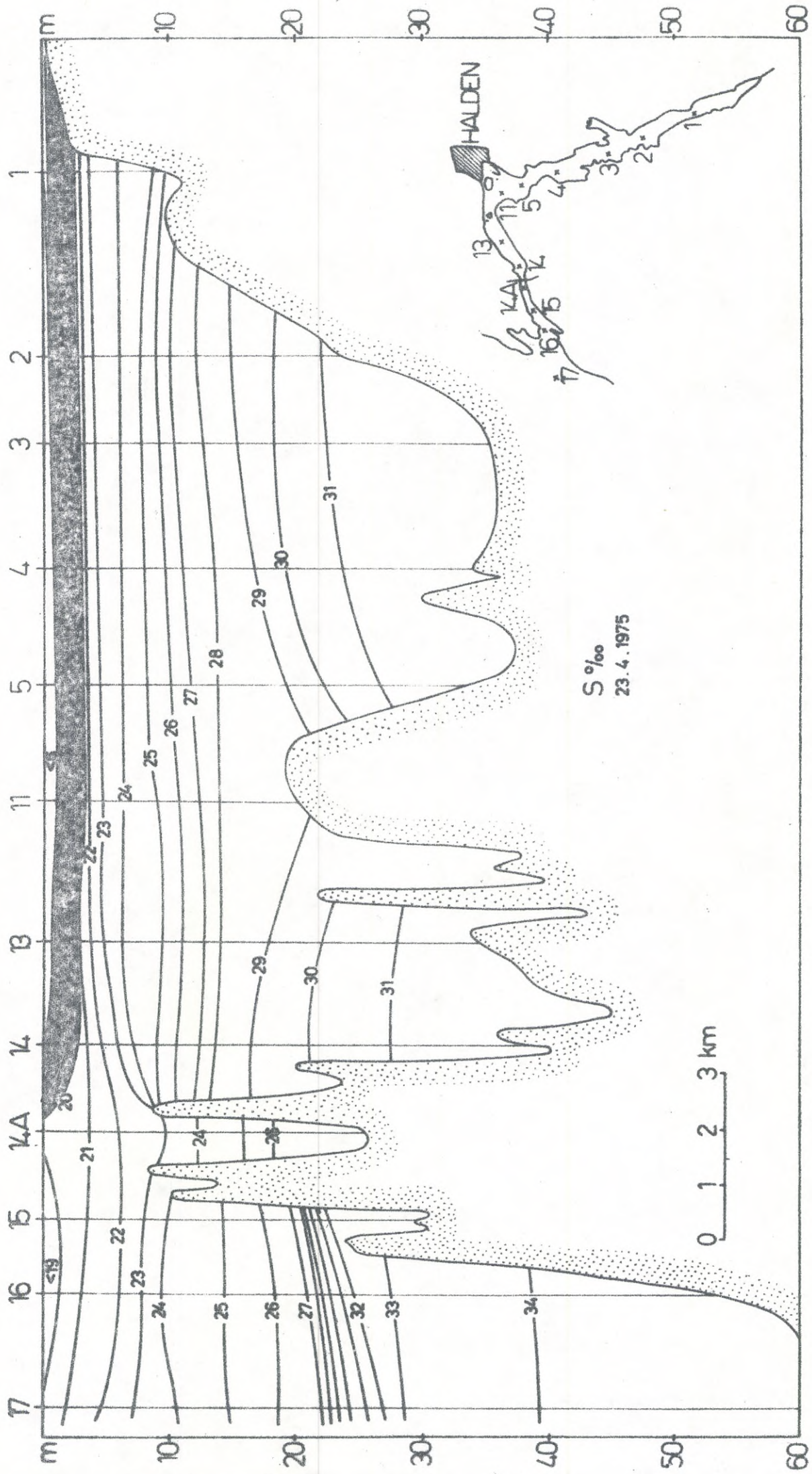




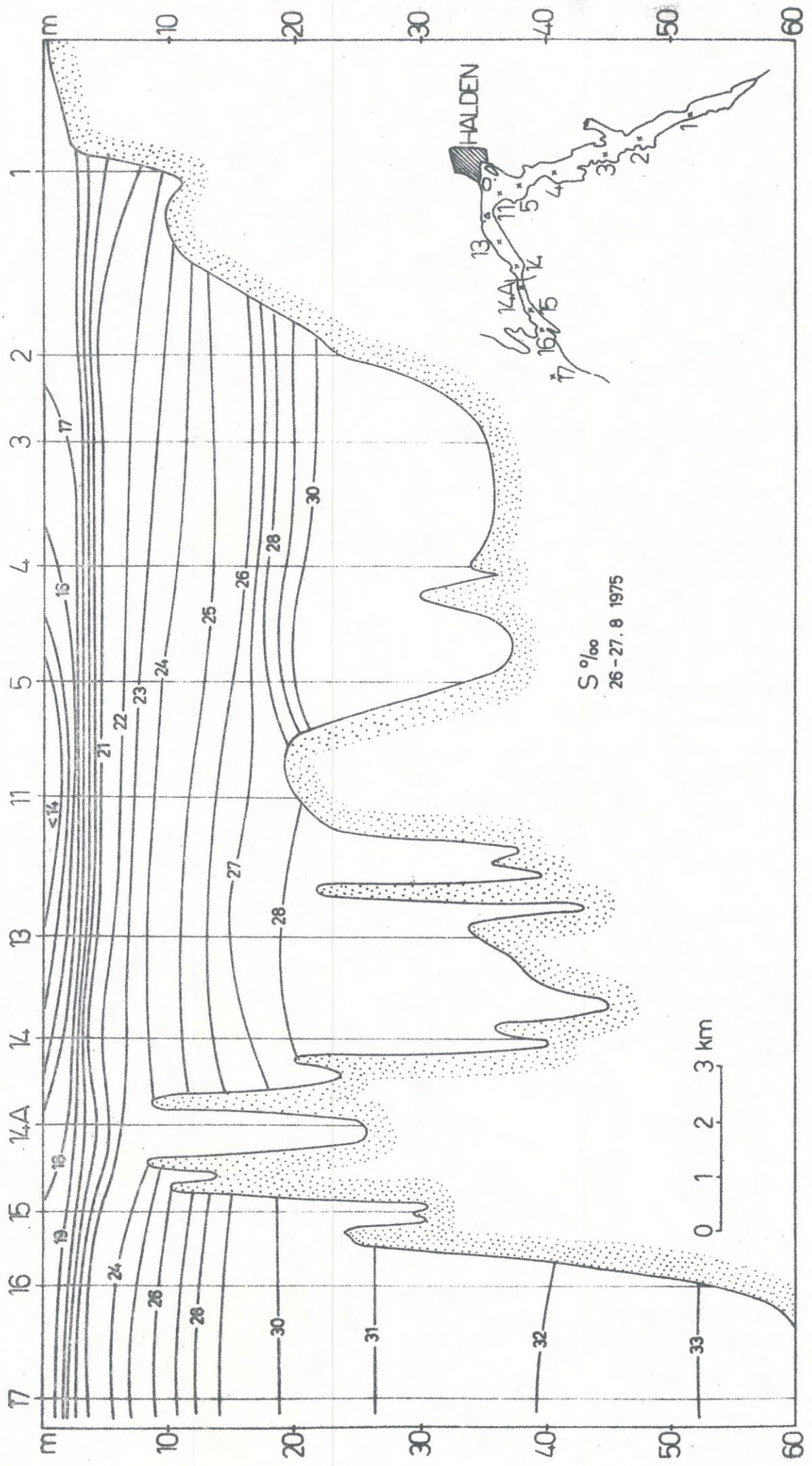


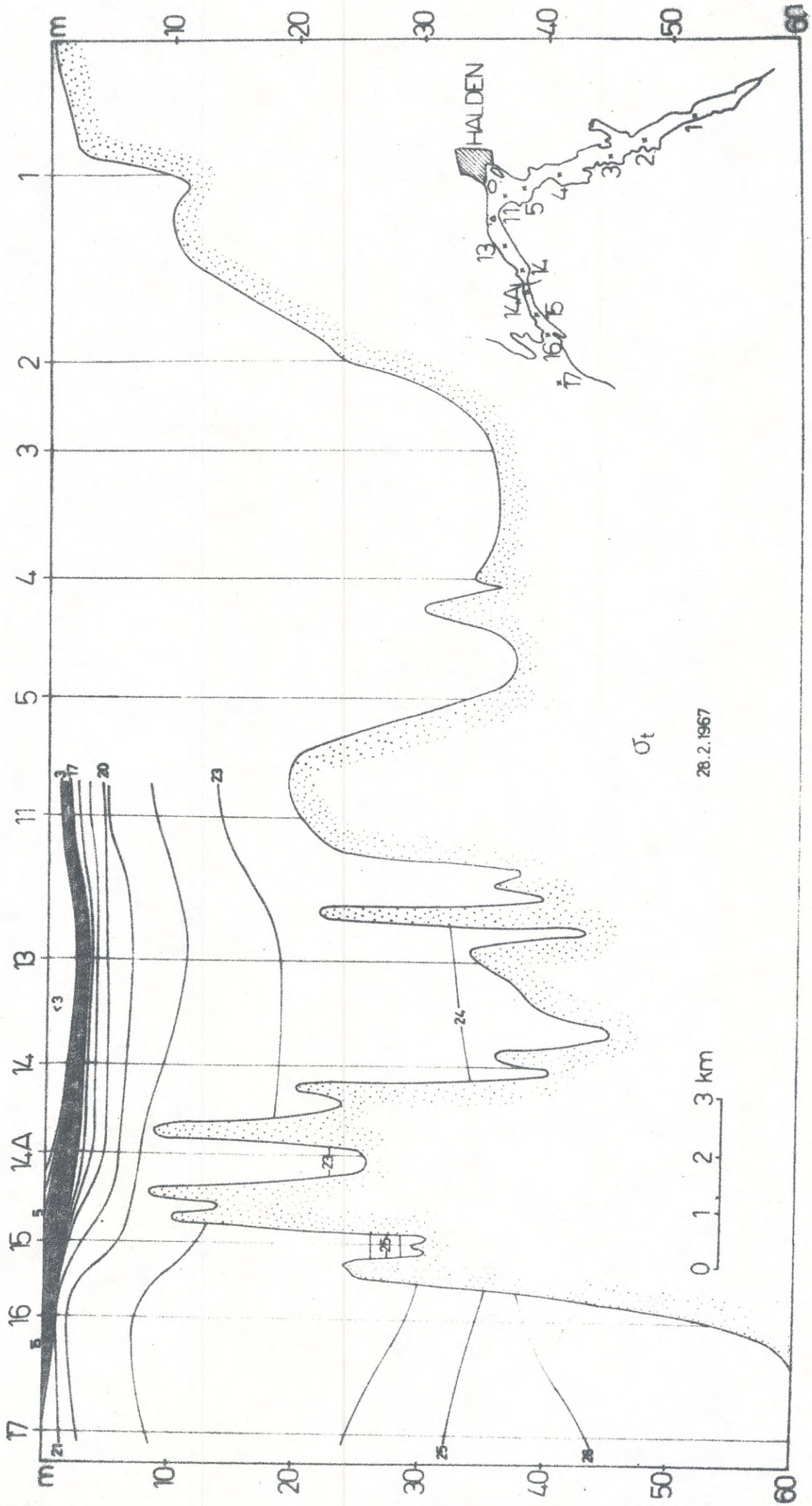








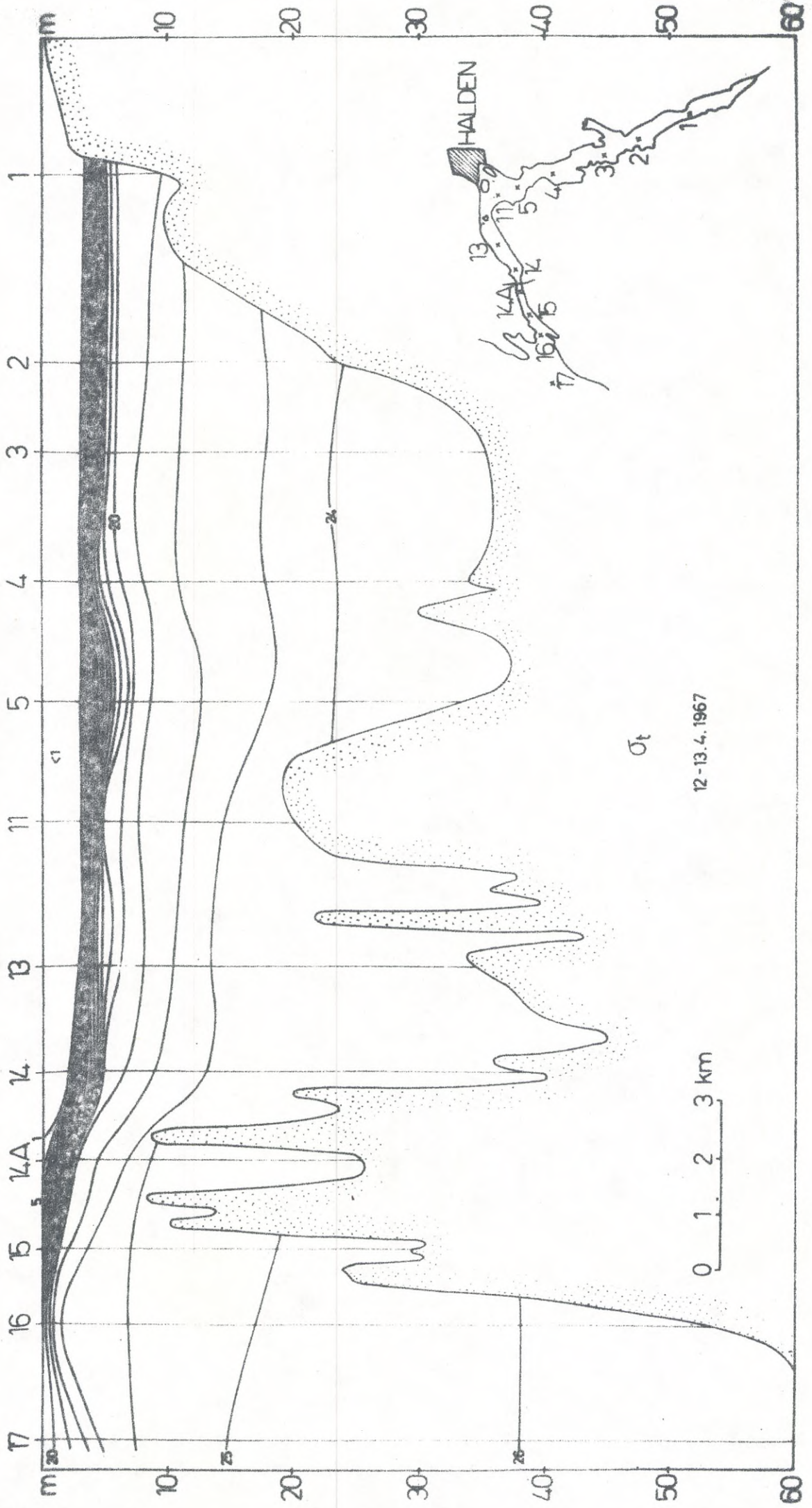


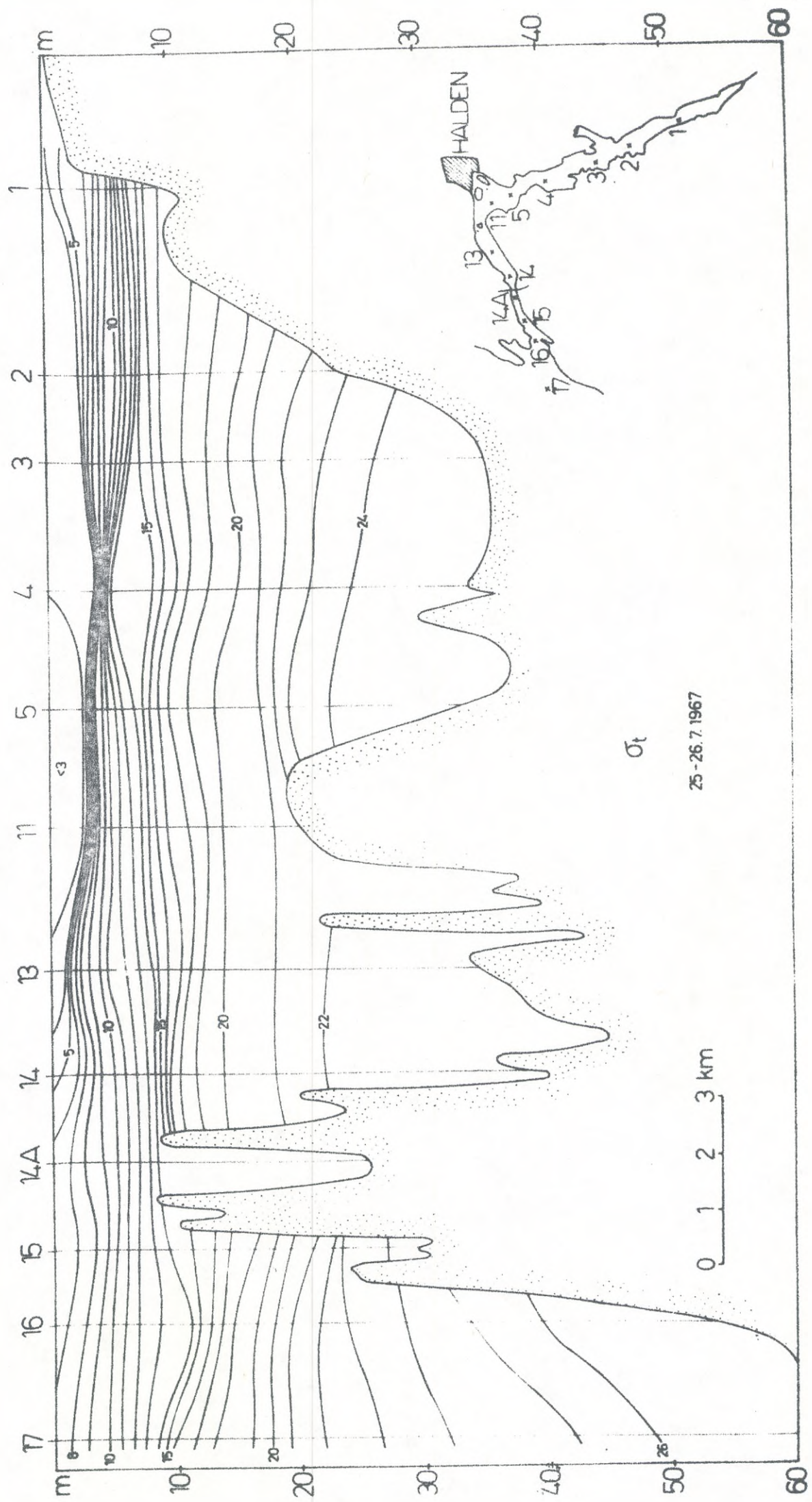


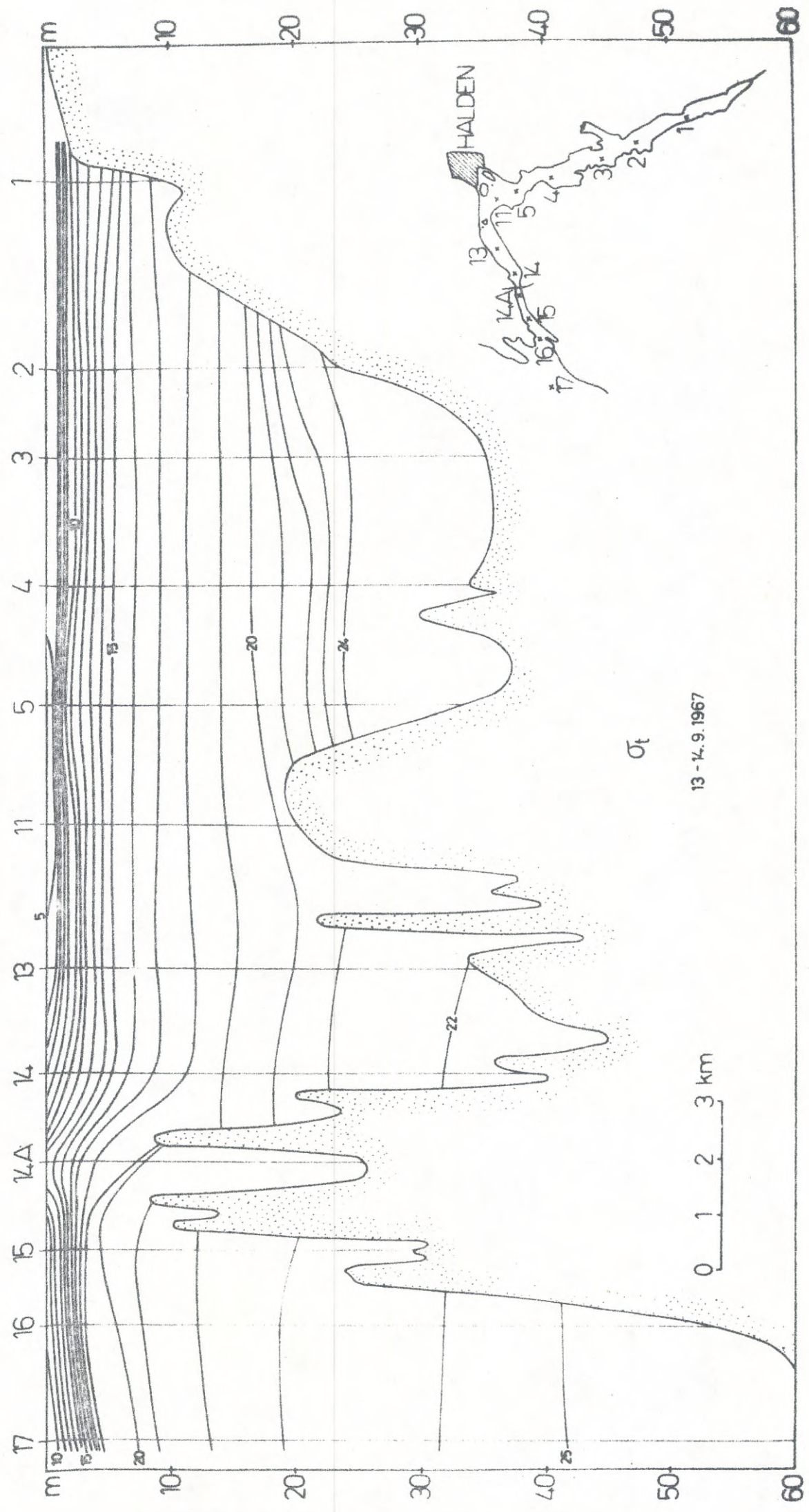
$\sigma_t$

28.2.1967

0 1 2 3 km



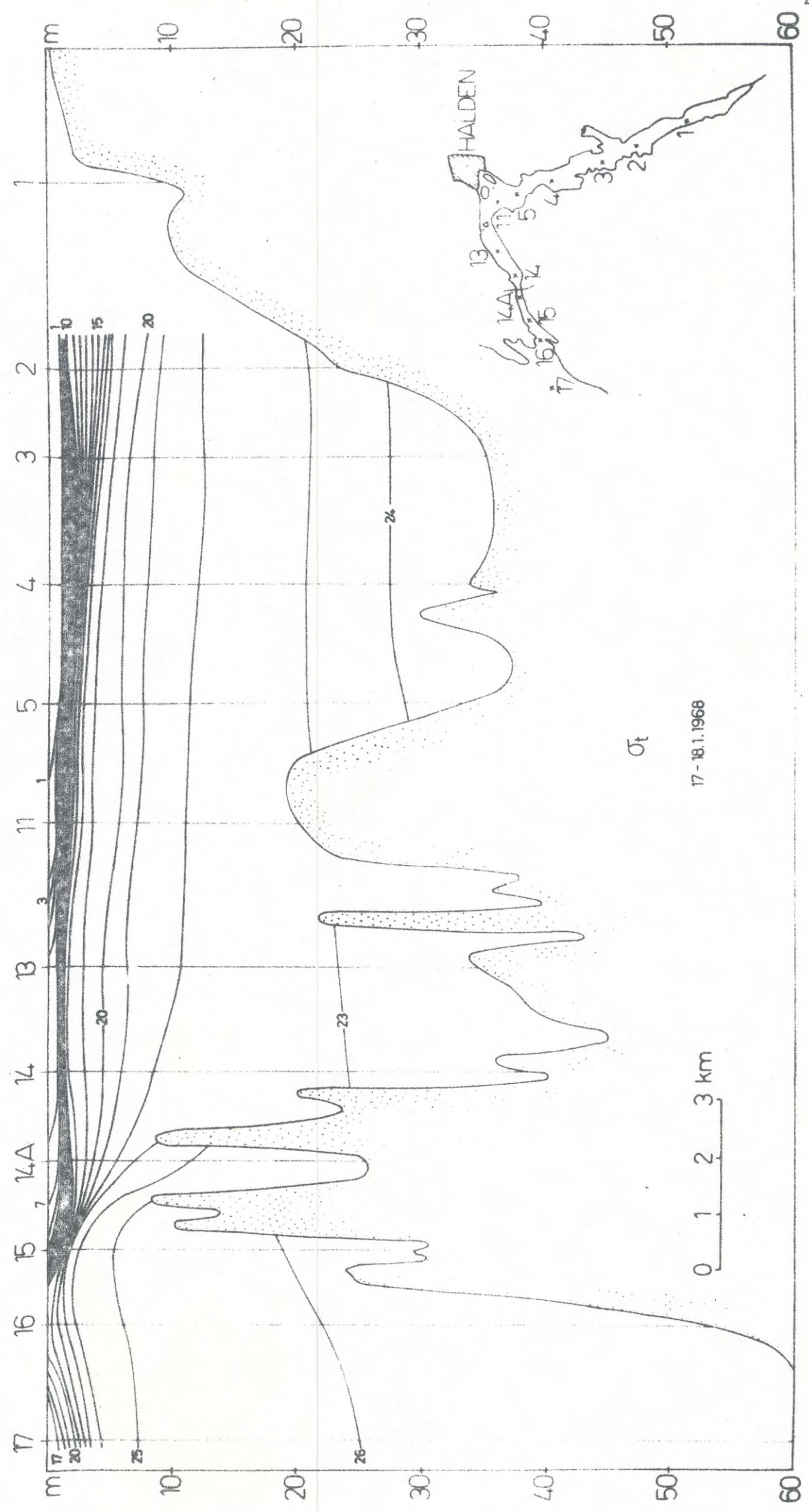




13 - 14.9.1967

$\sigma_t$

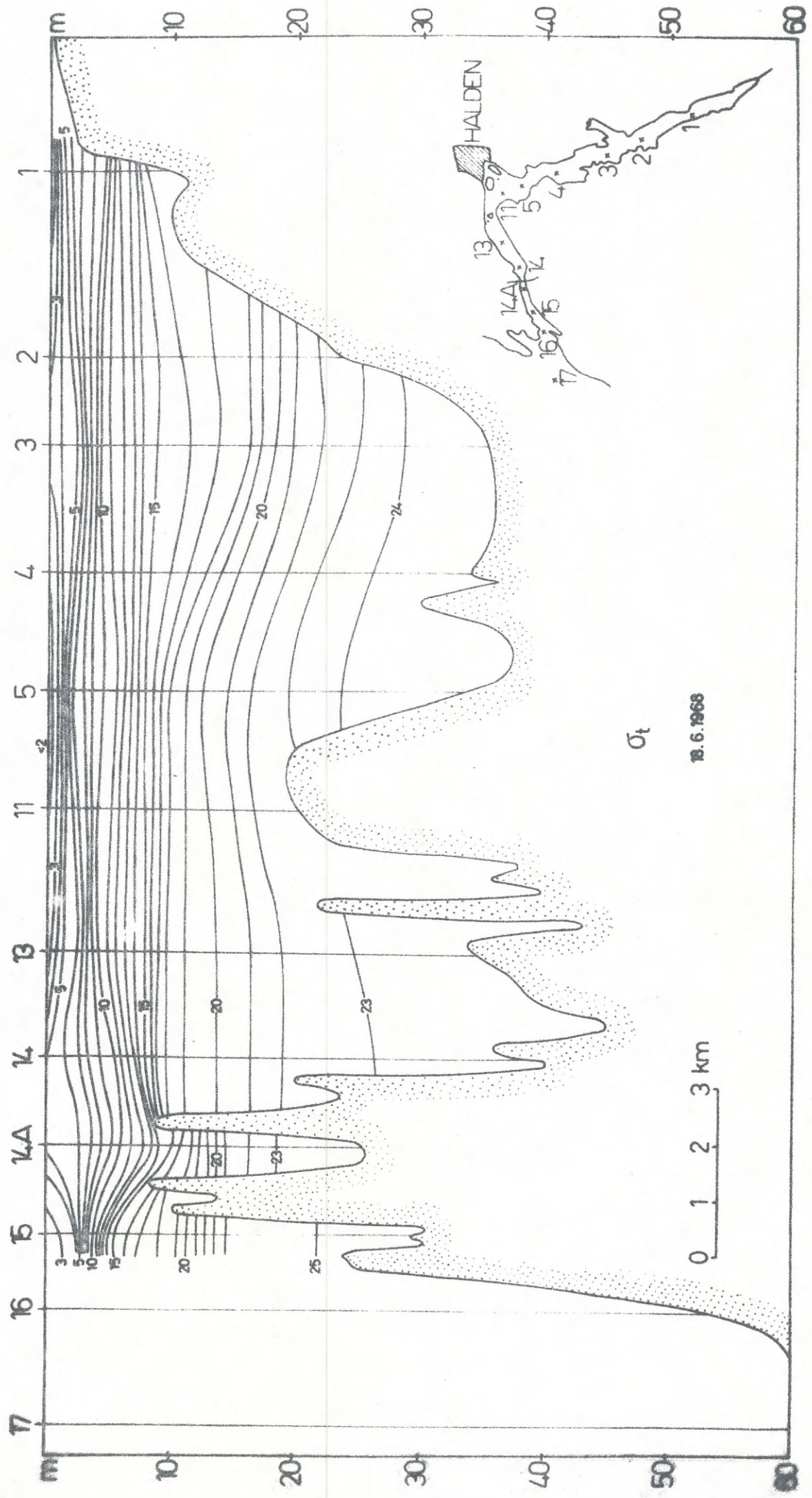
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17-18.1.1968

$\sigma_t$

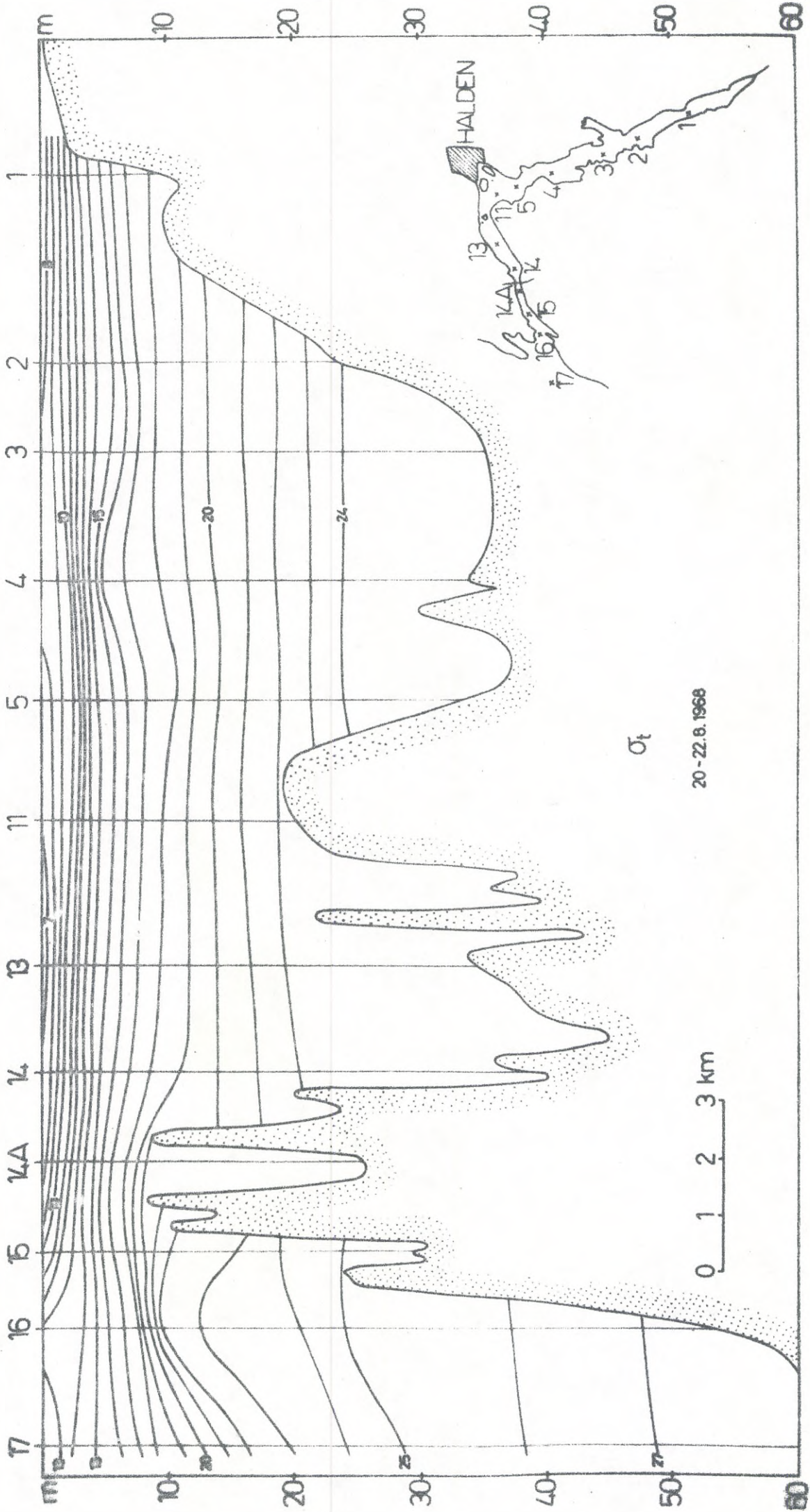
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$\sigma_t$

18.6.1968

0 1 2 3 km

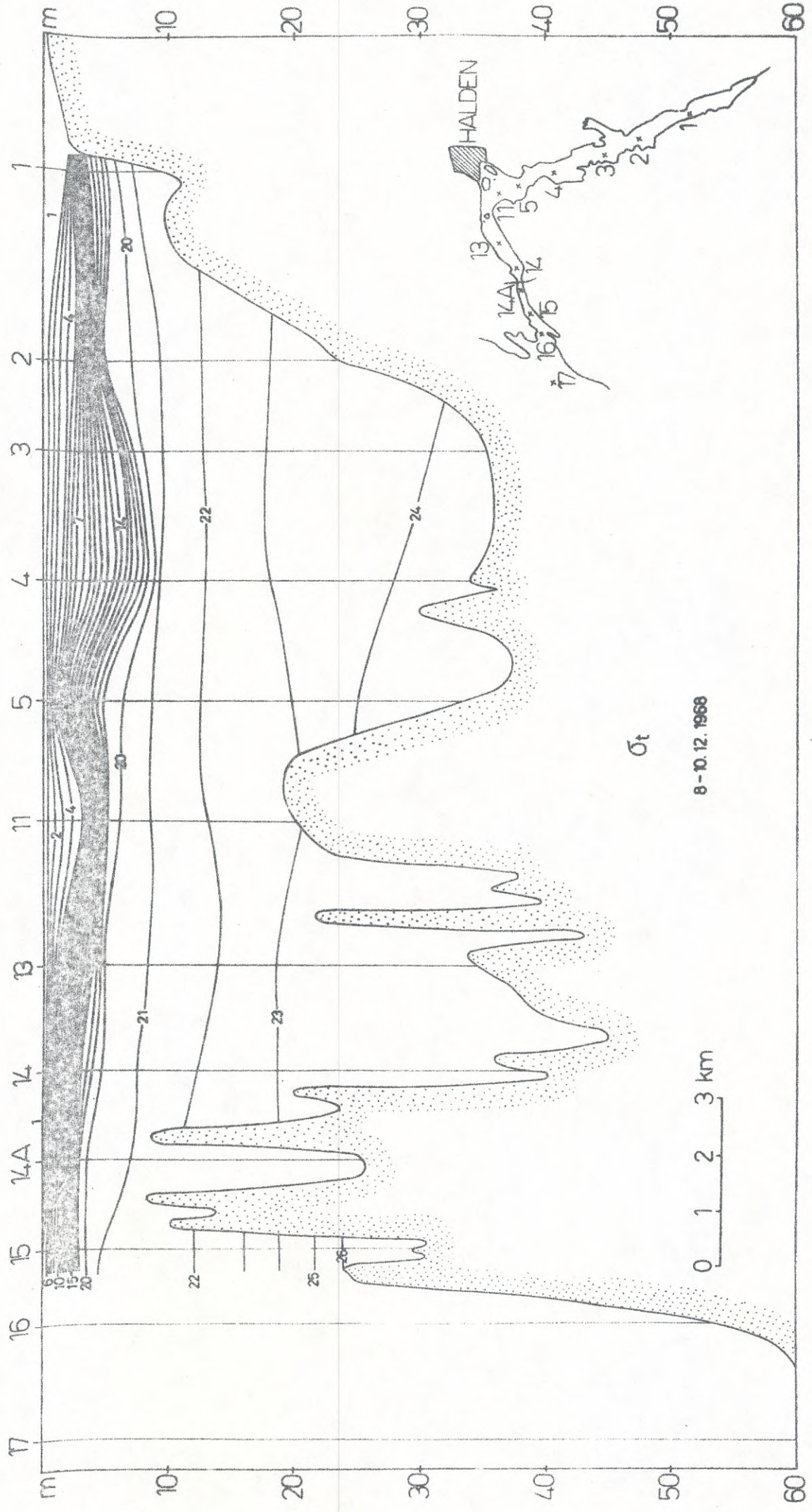


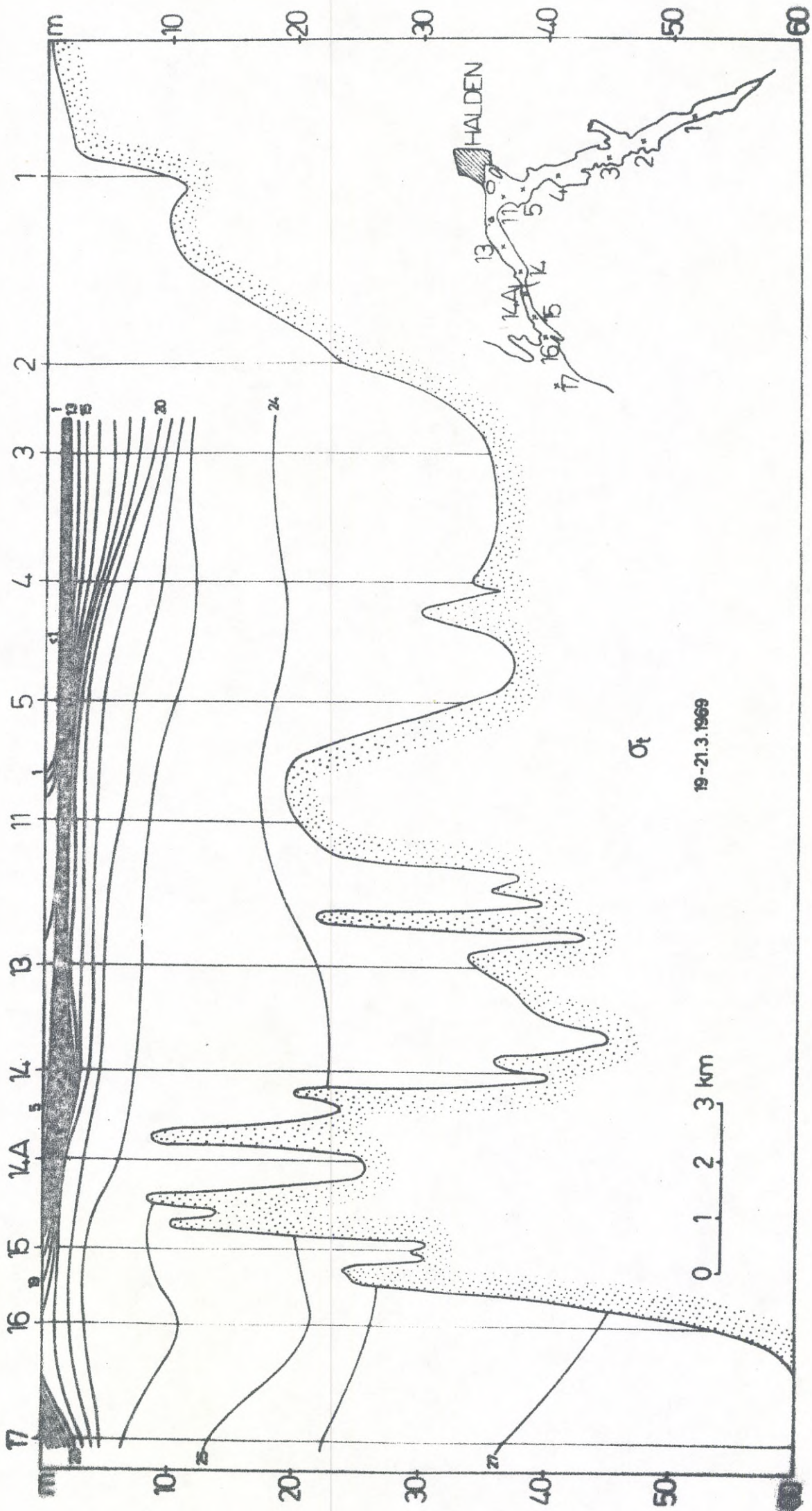
$\sigma_t$

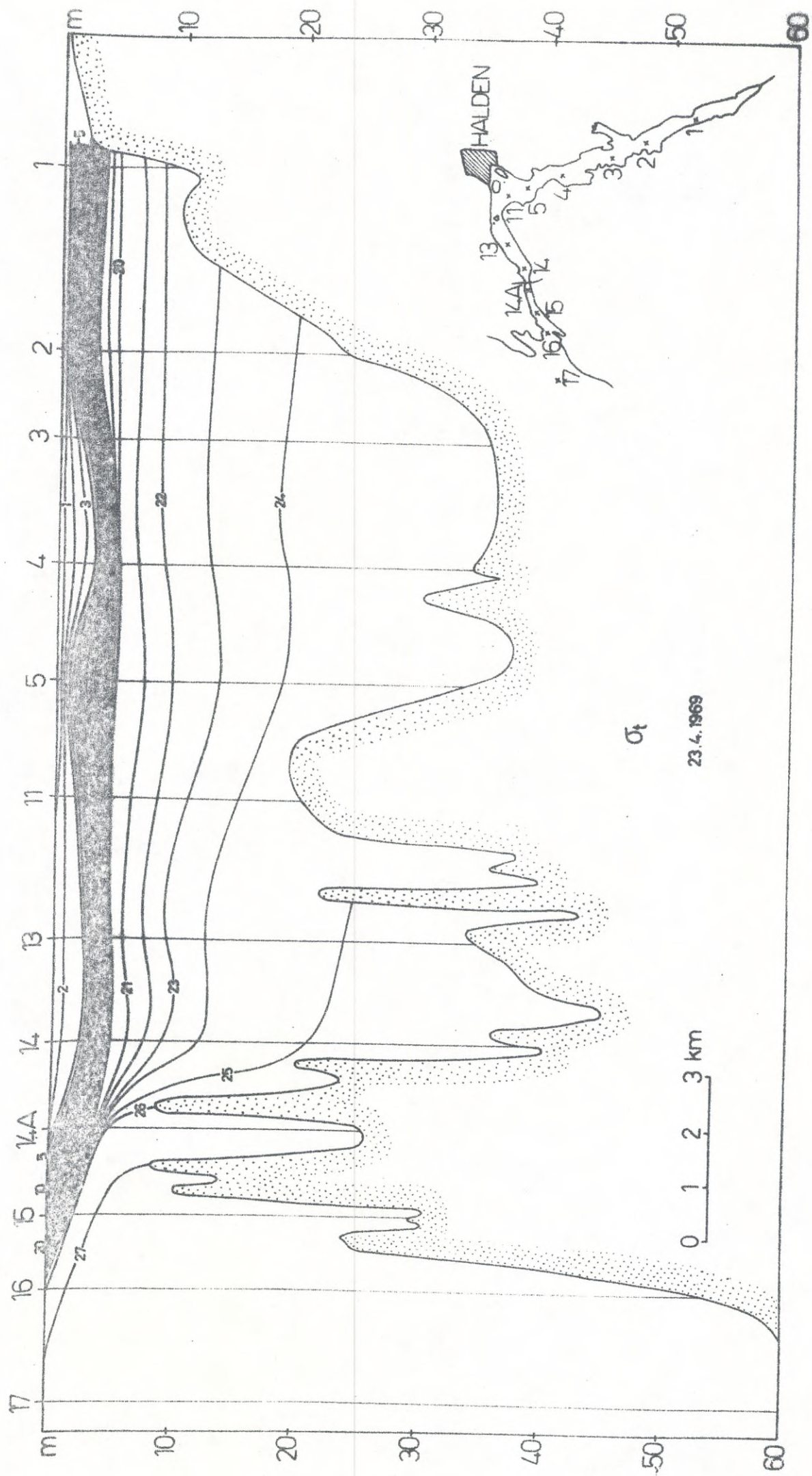
20-22.8.1968

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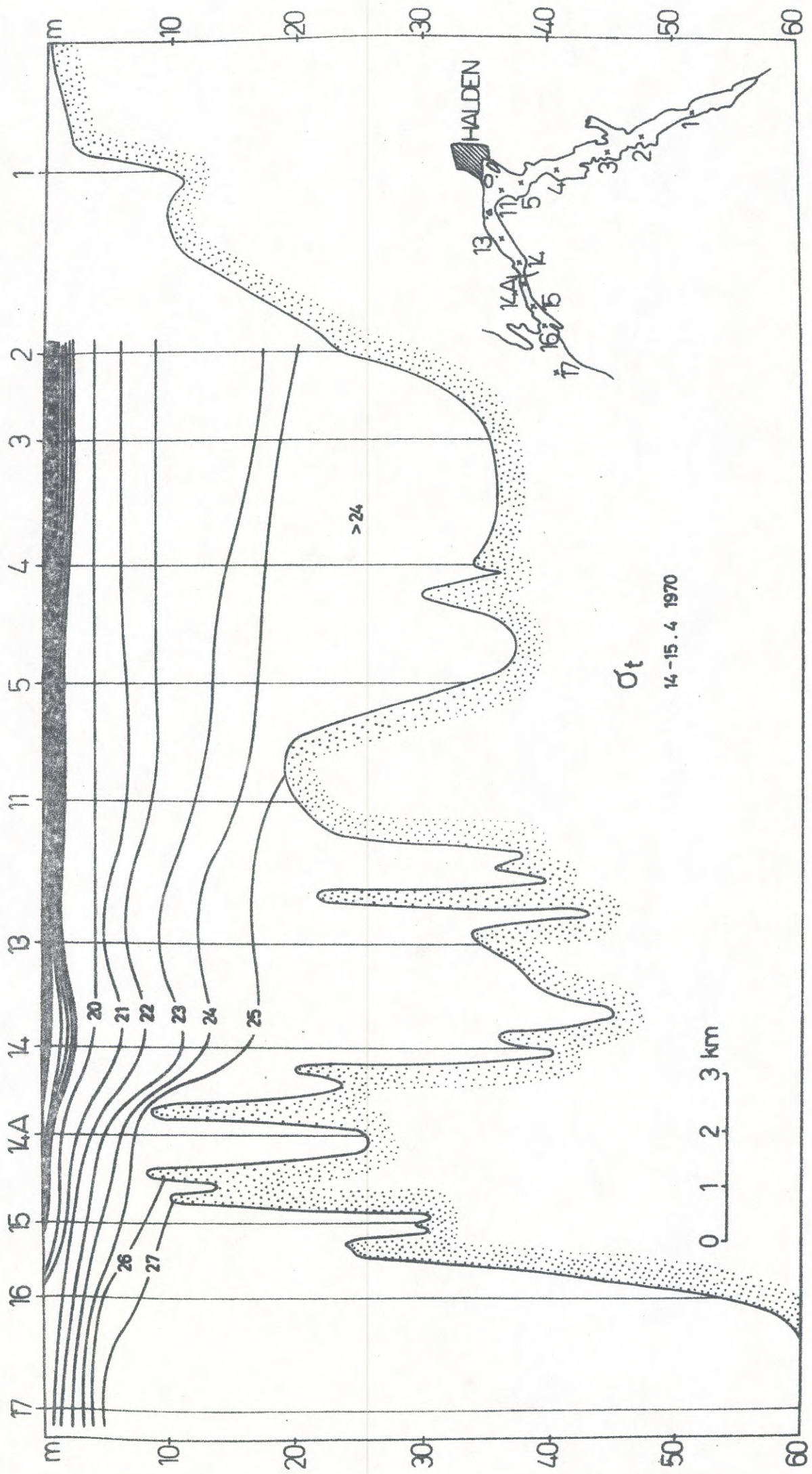


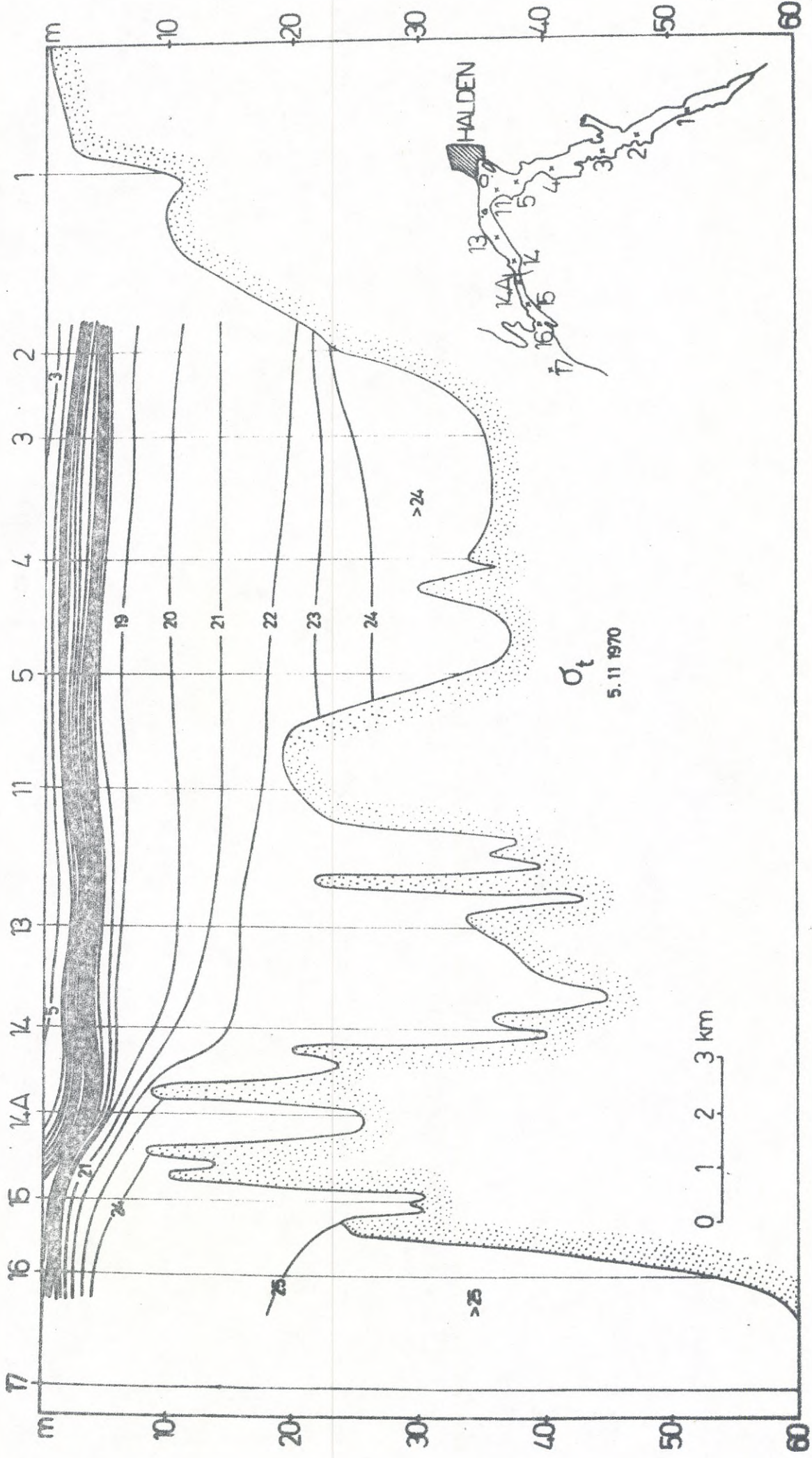


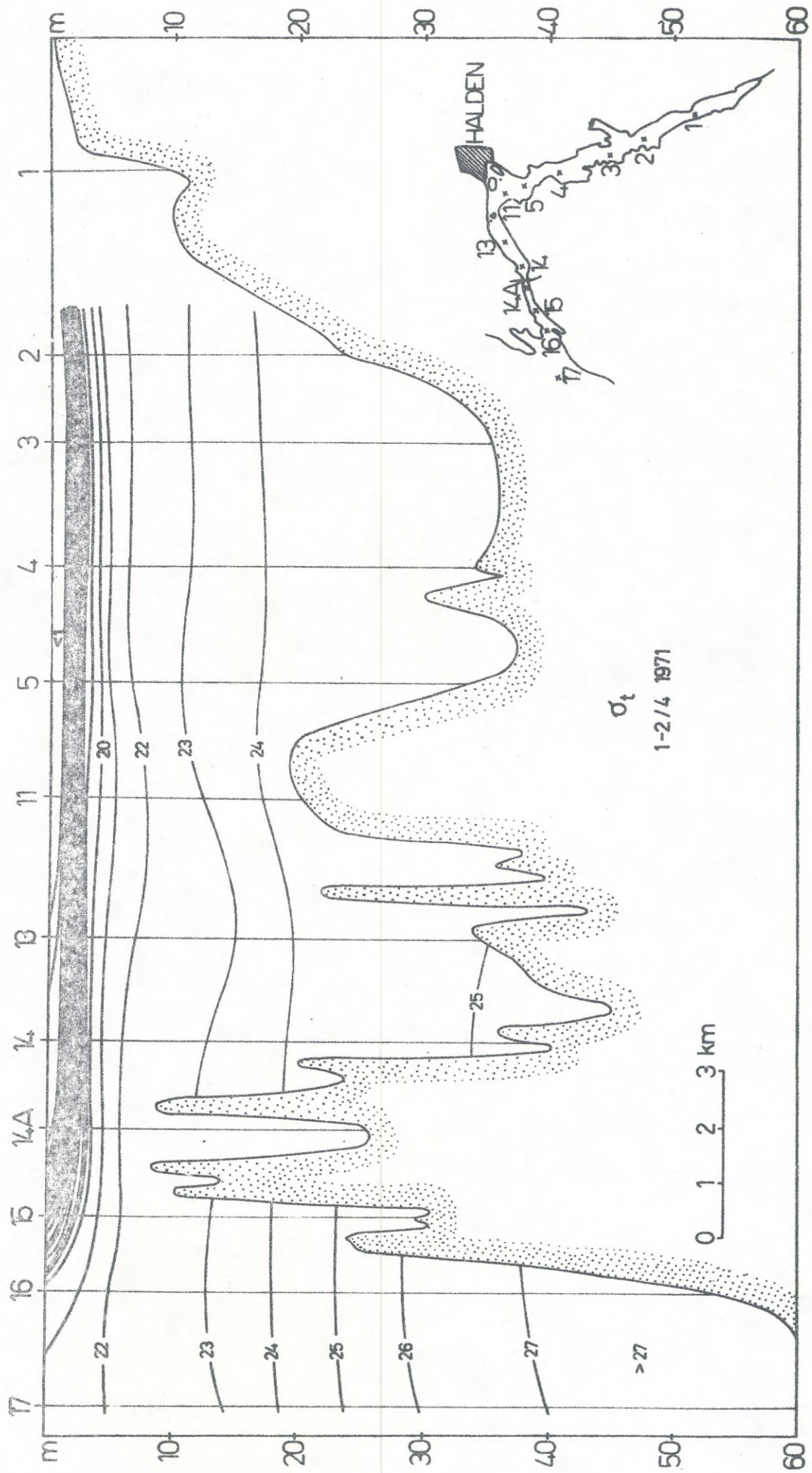


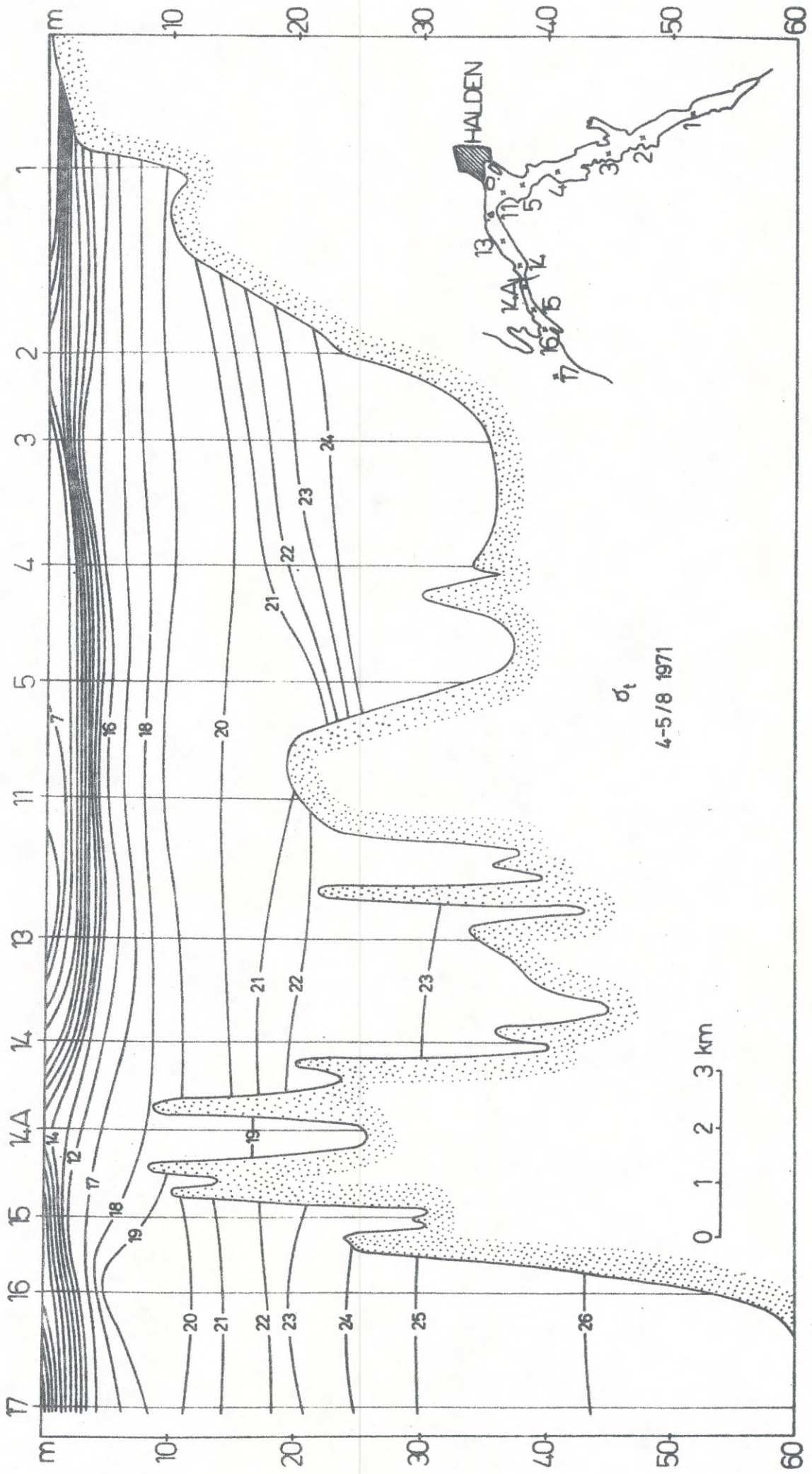
σ<sub>f</sub>  
23.4.1969

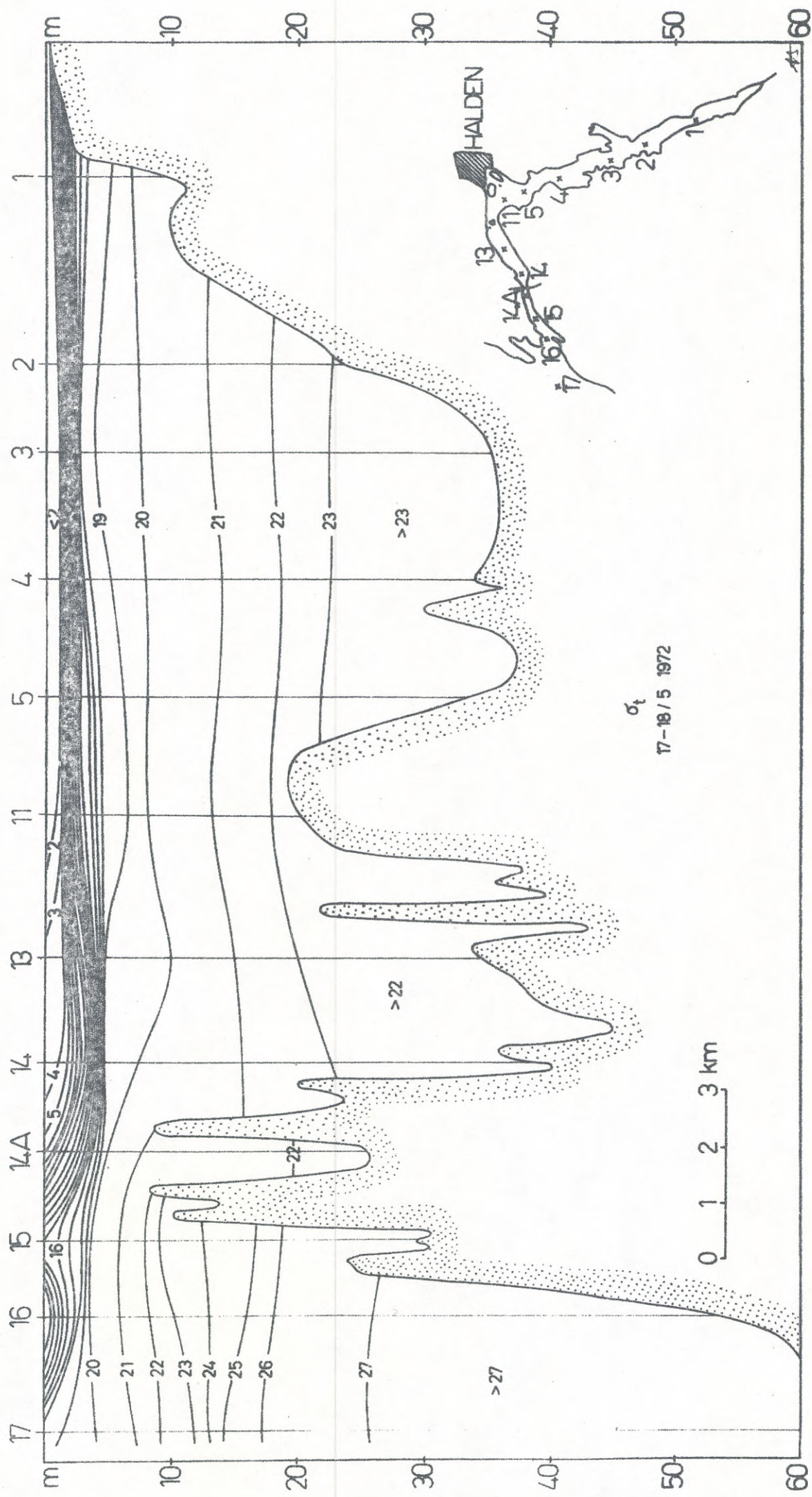
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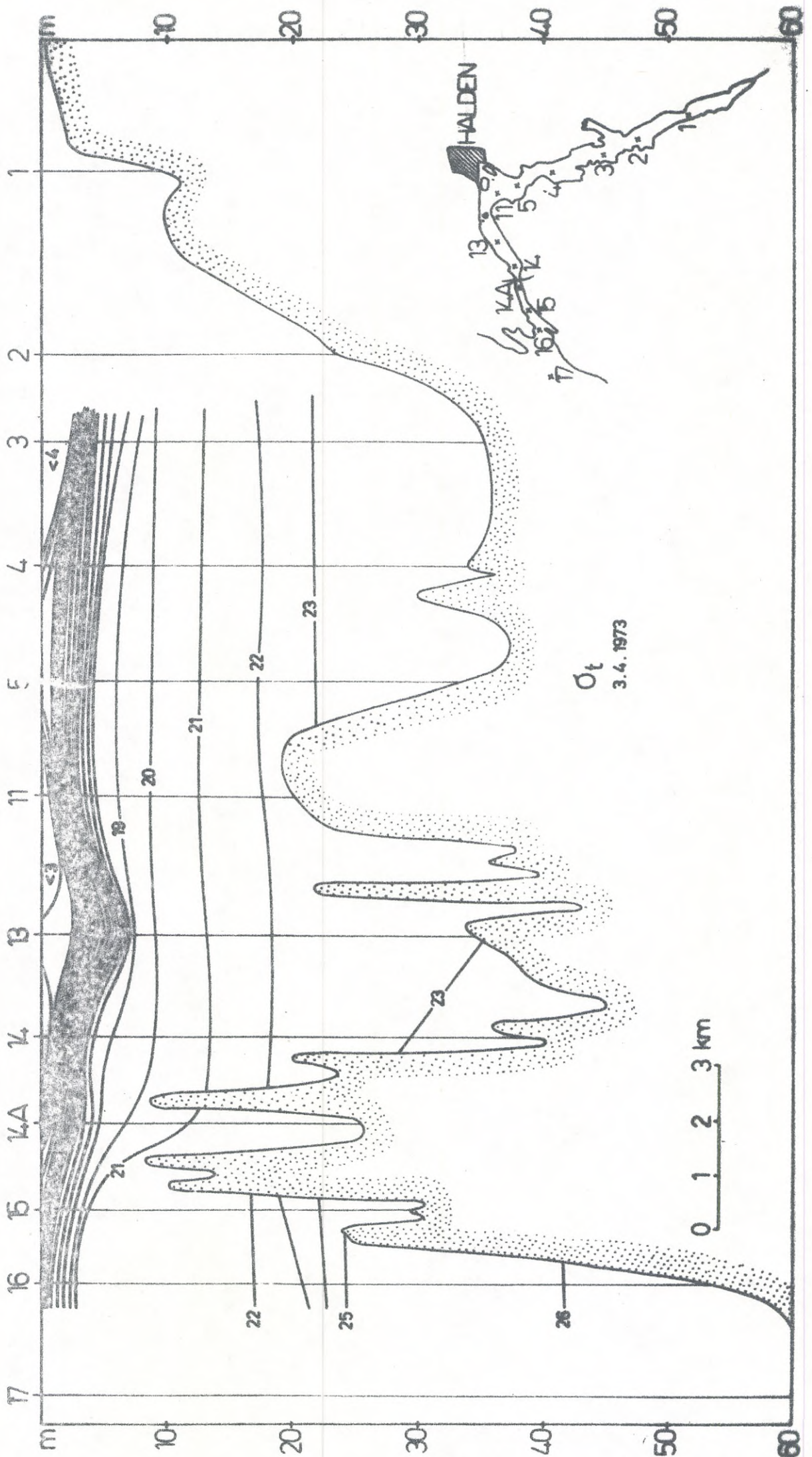


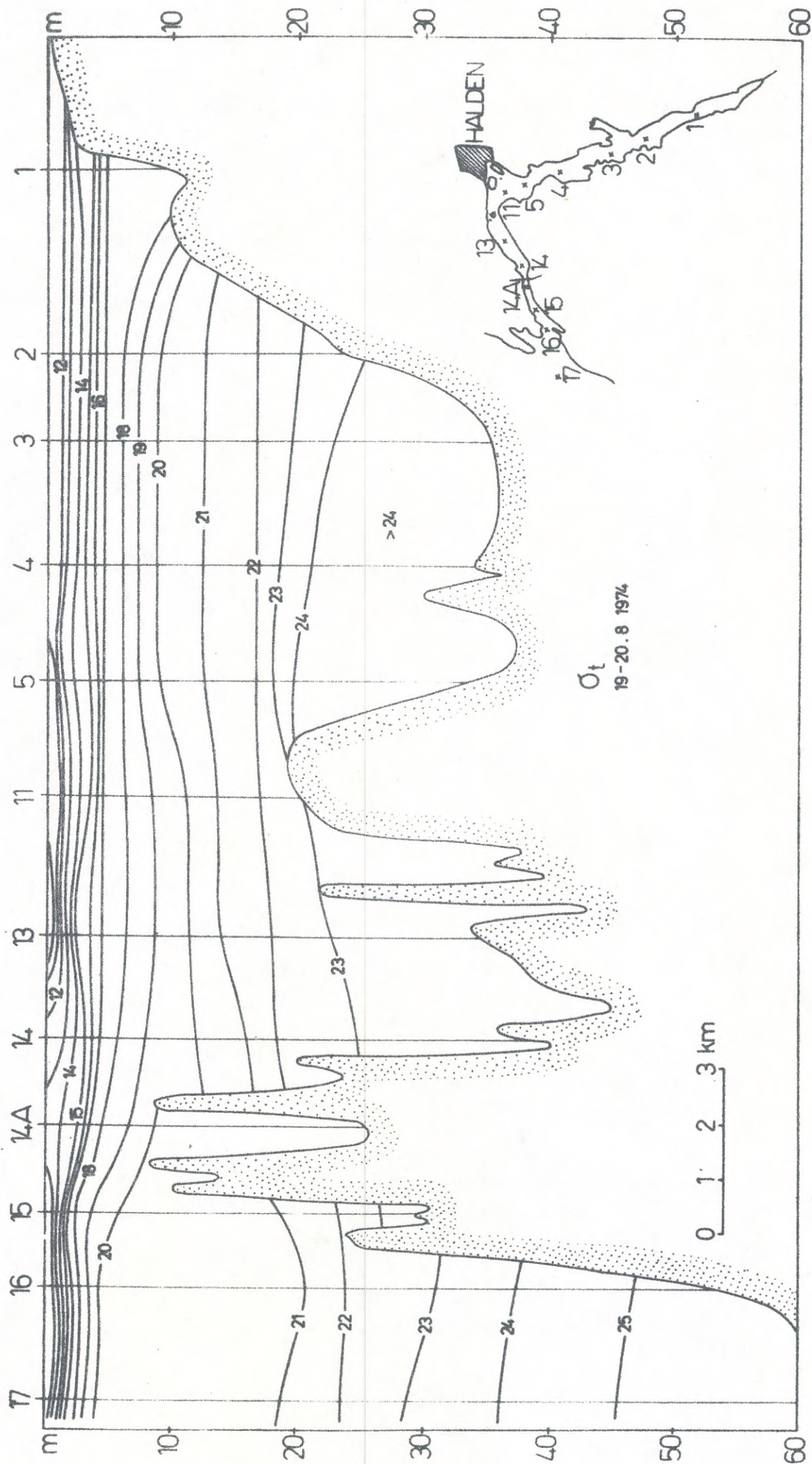


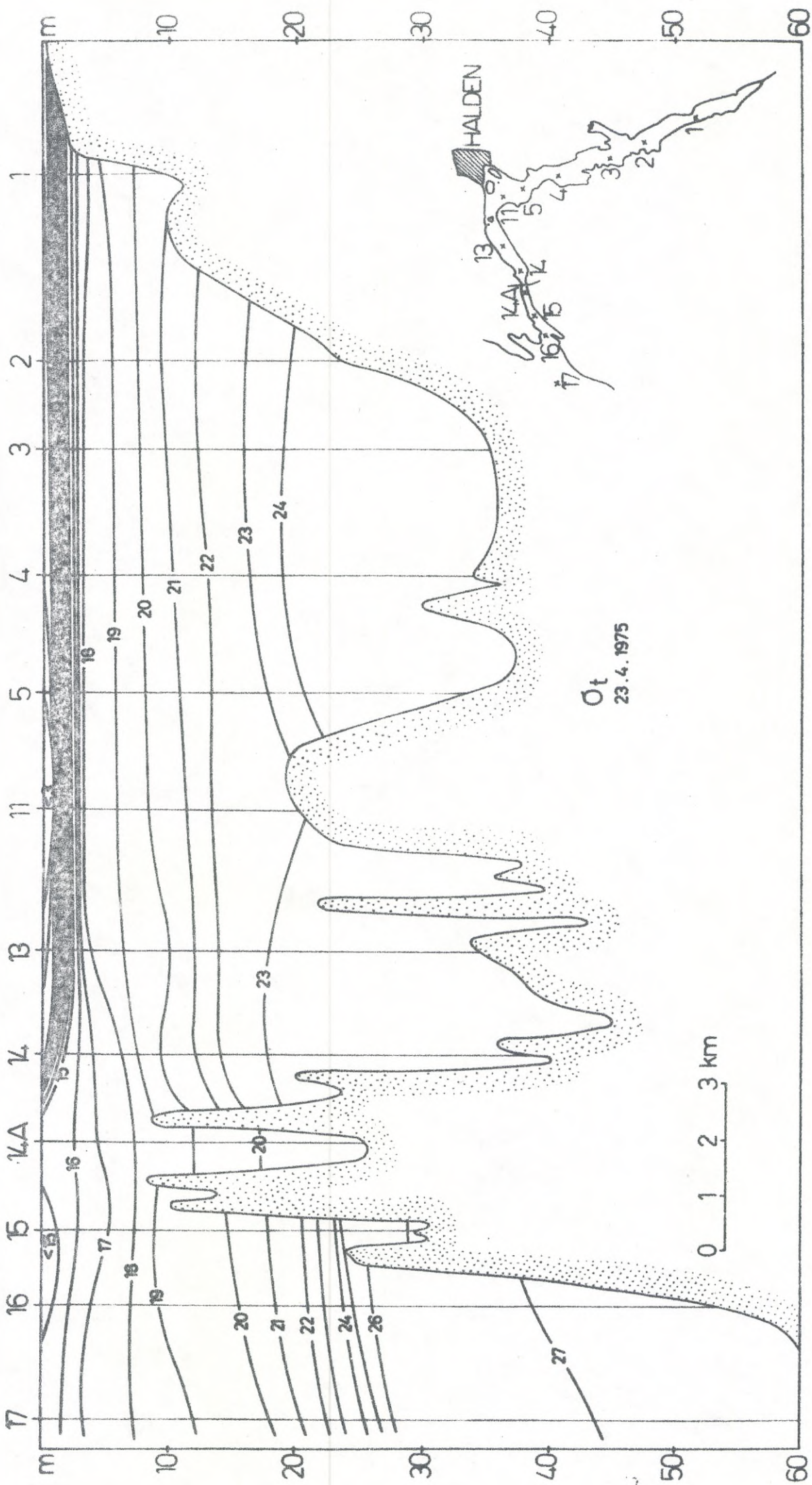






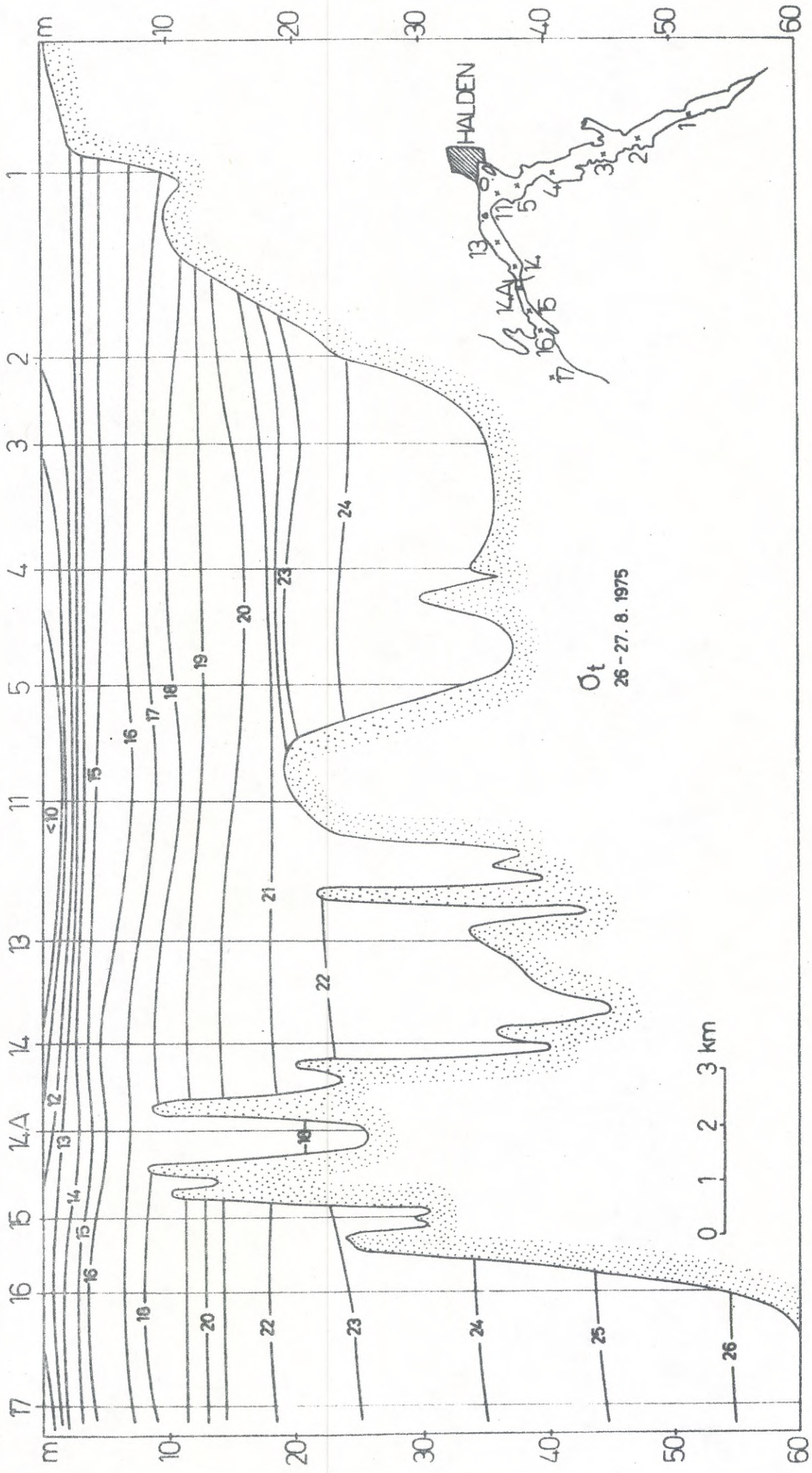


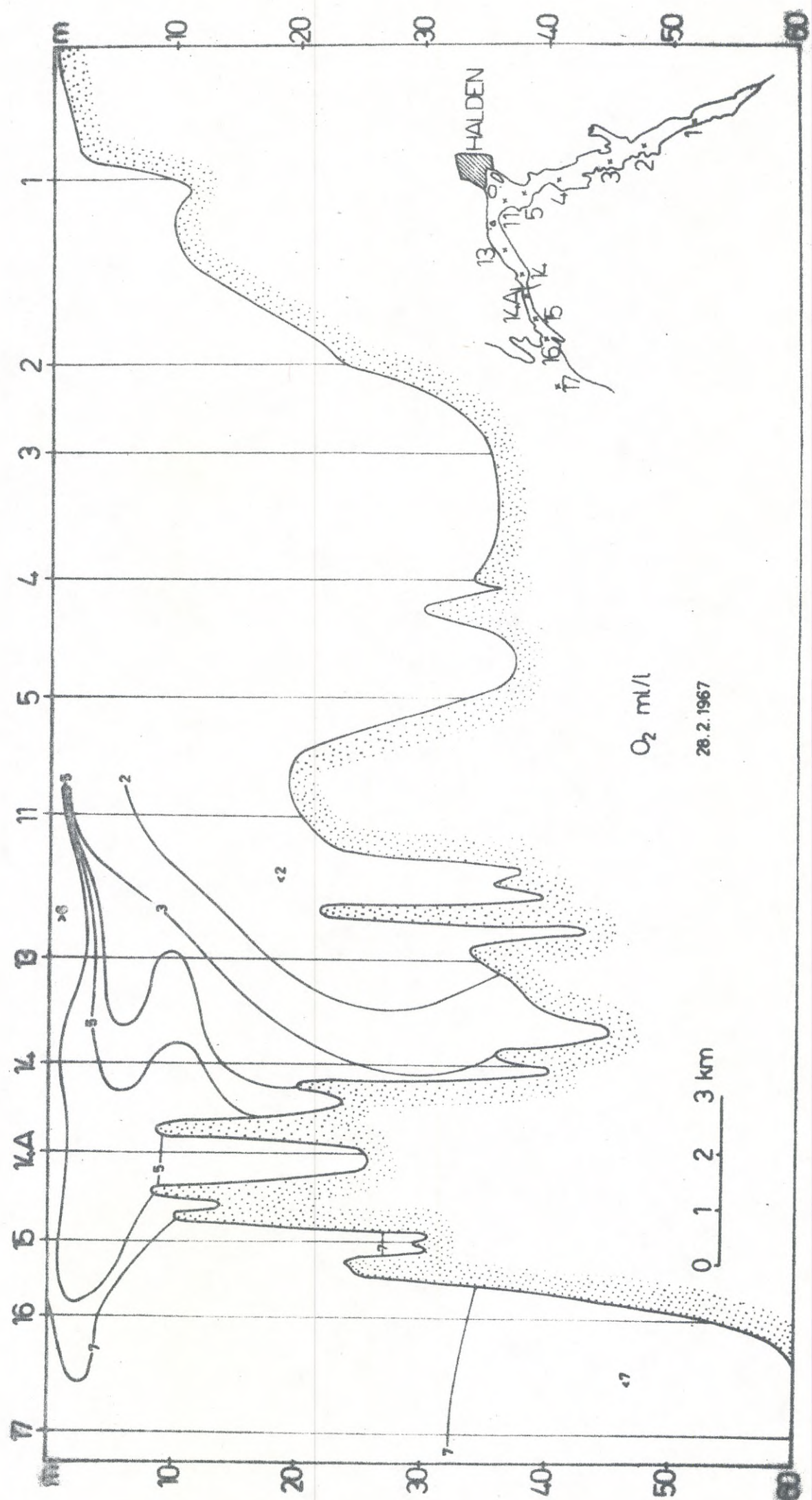


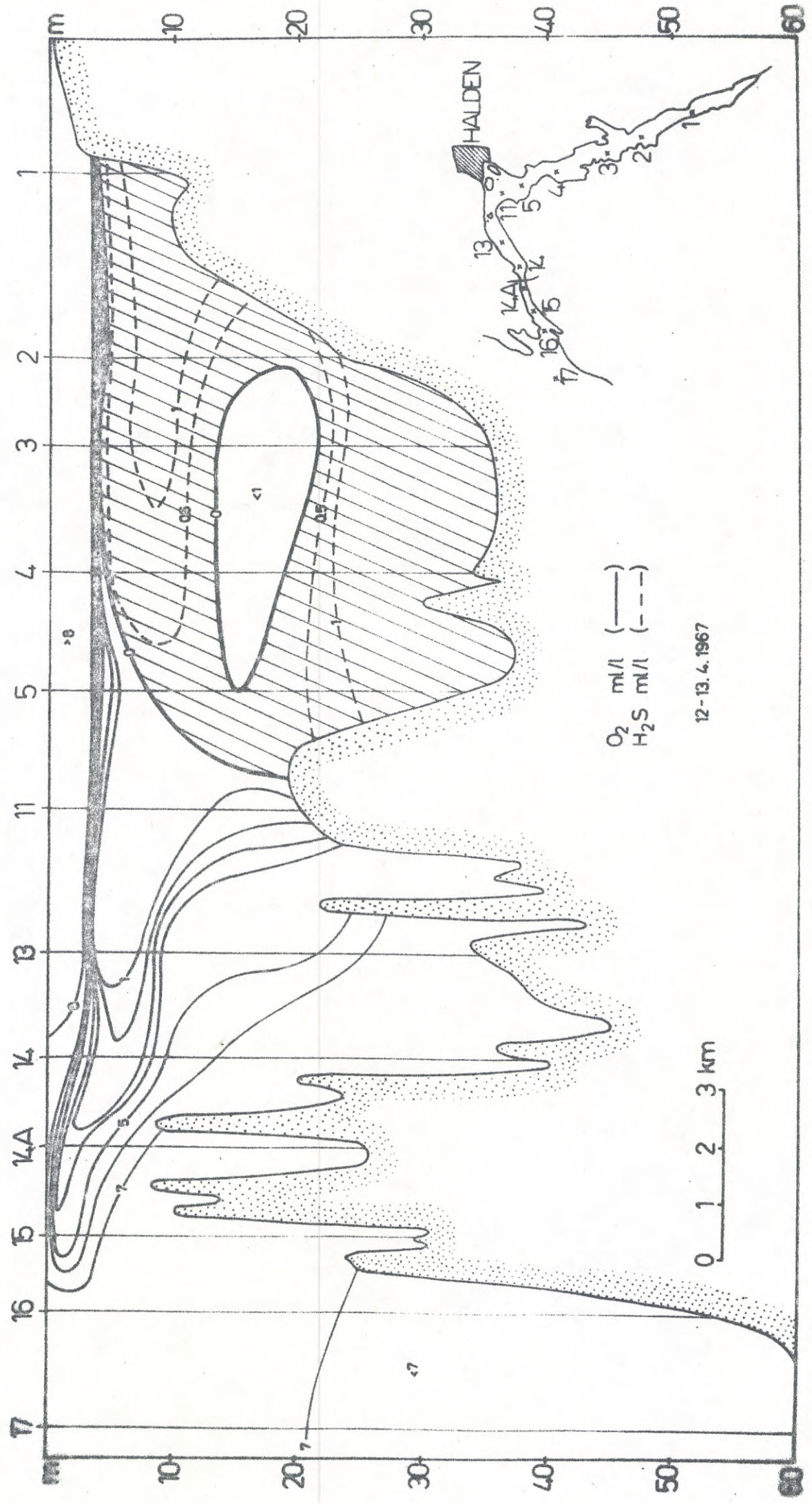


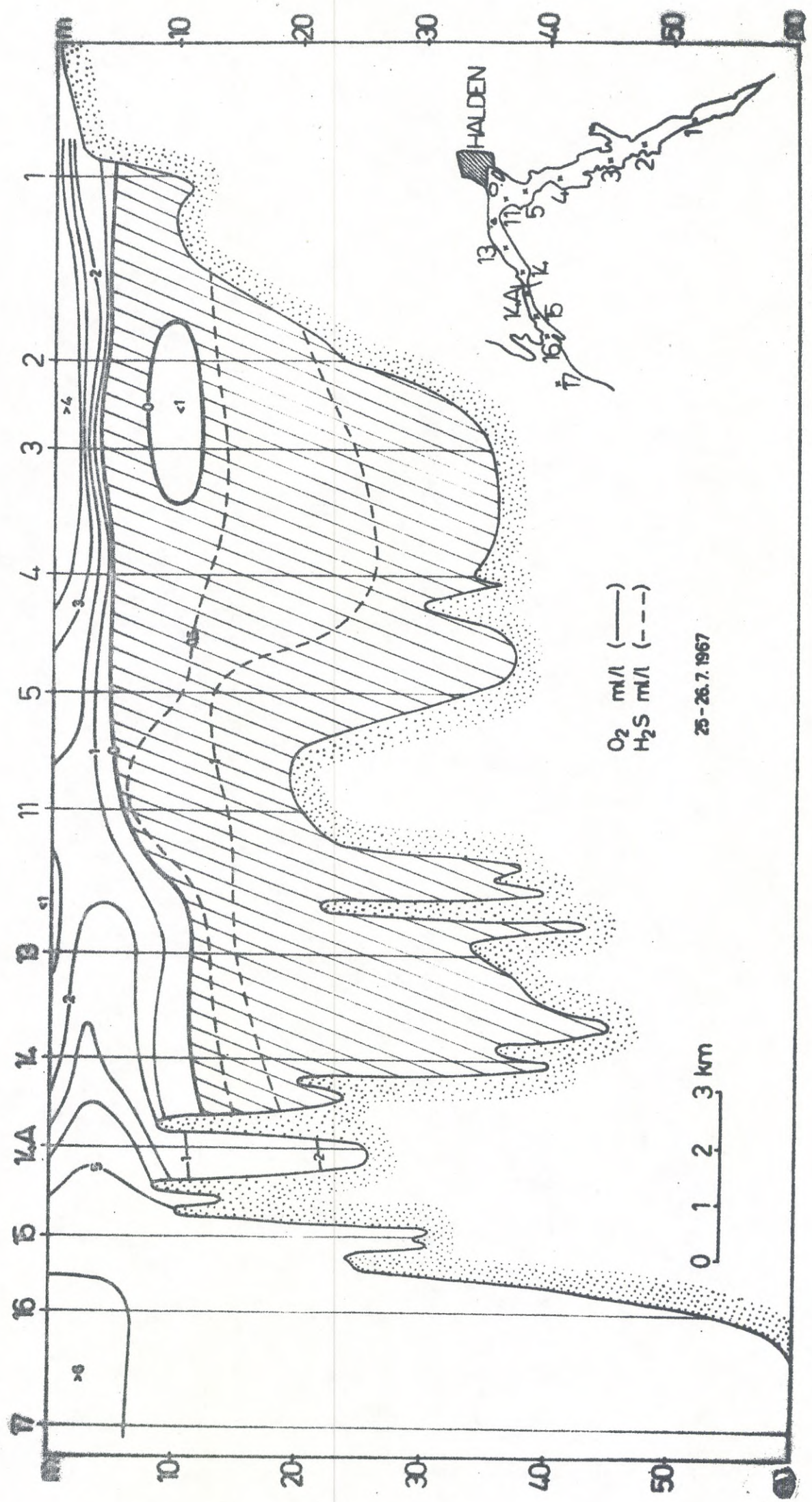
Ot  
23.4.1975

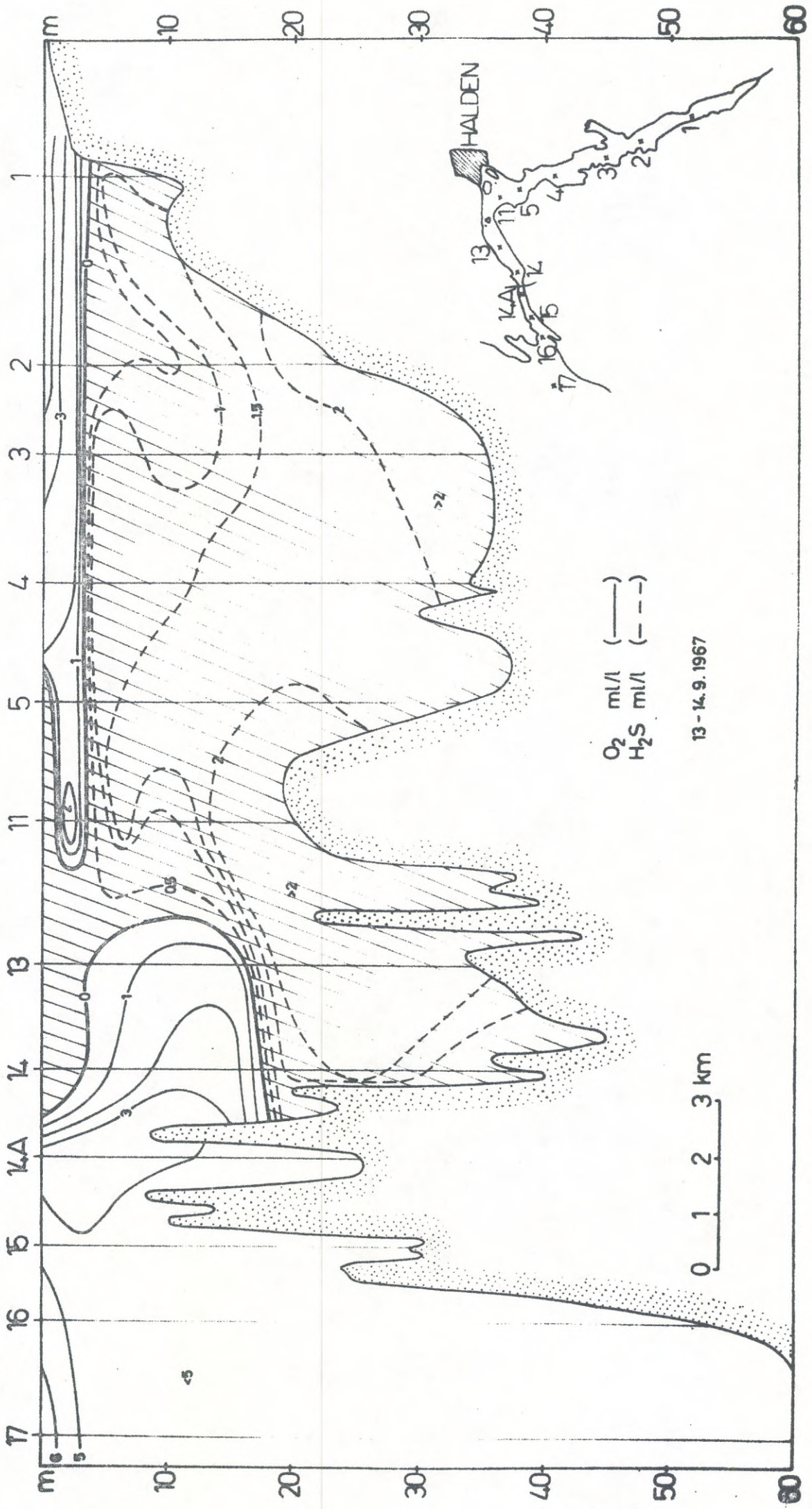
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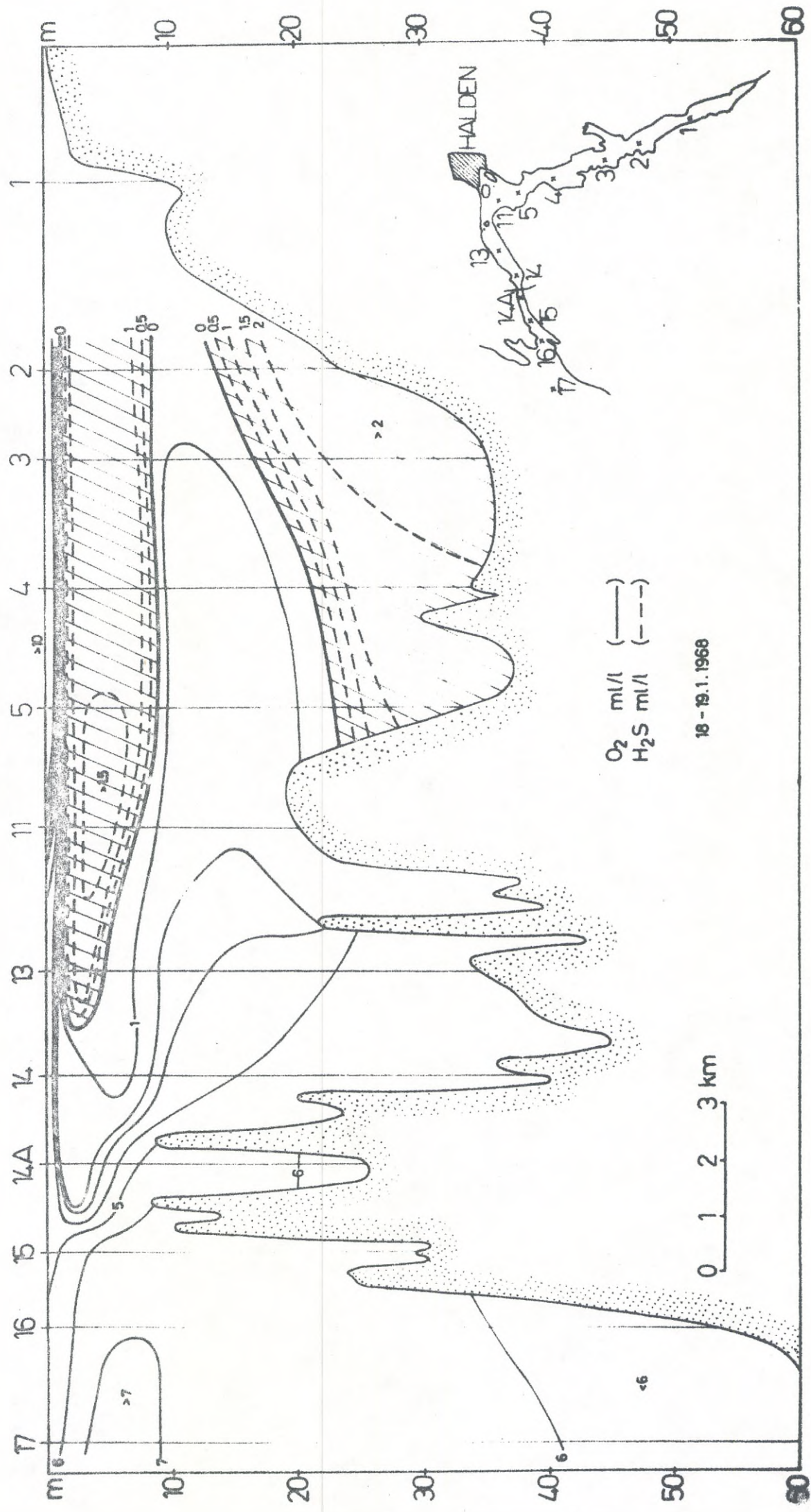


13-14.9.1967

$O_2$  ml/l (—)  
 $H_2S$  ml/l (- - -)

0 1 2 3 km

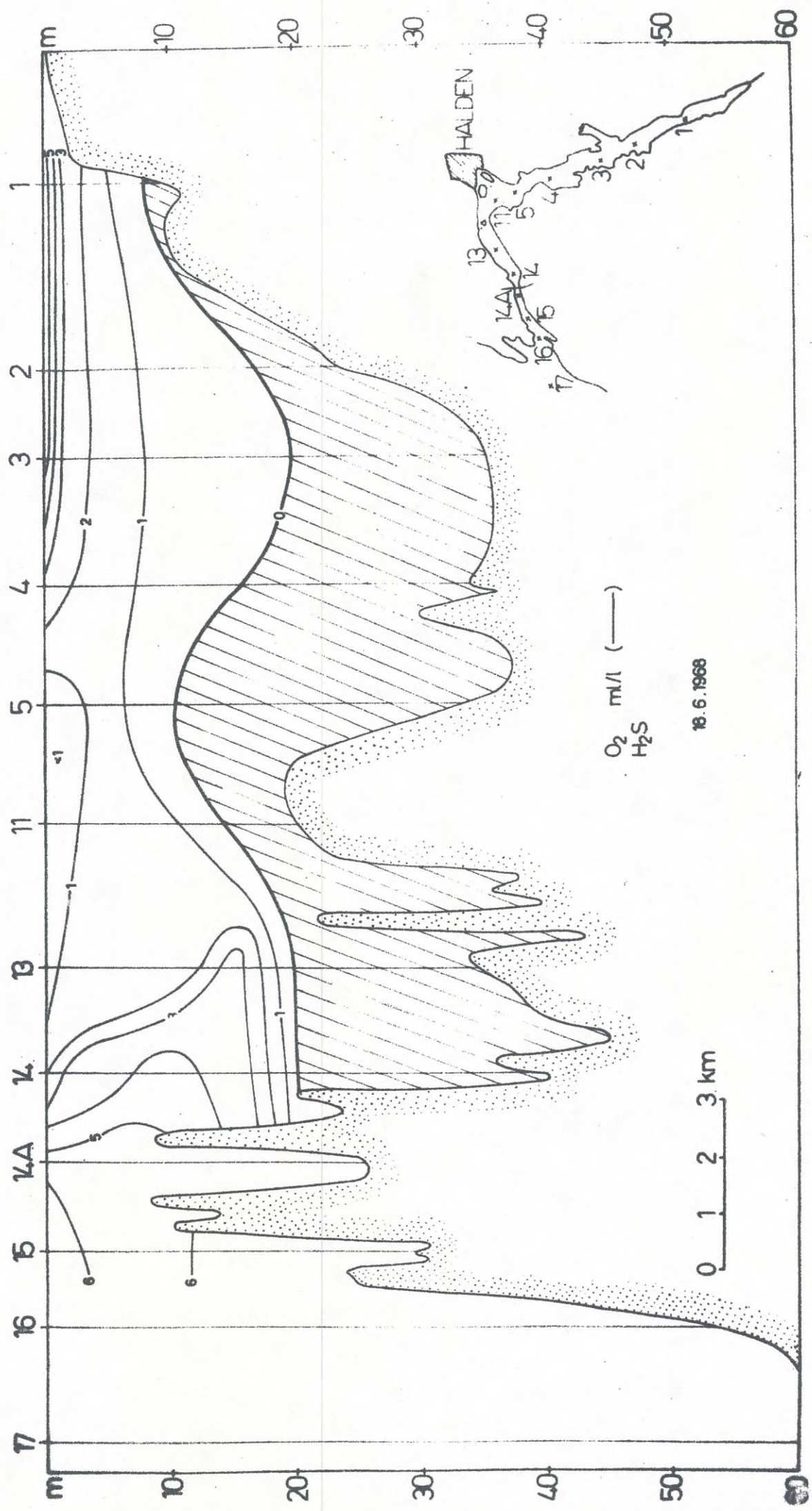


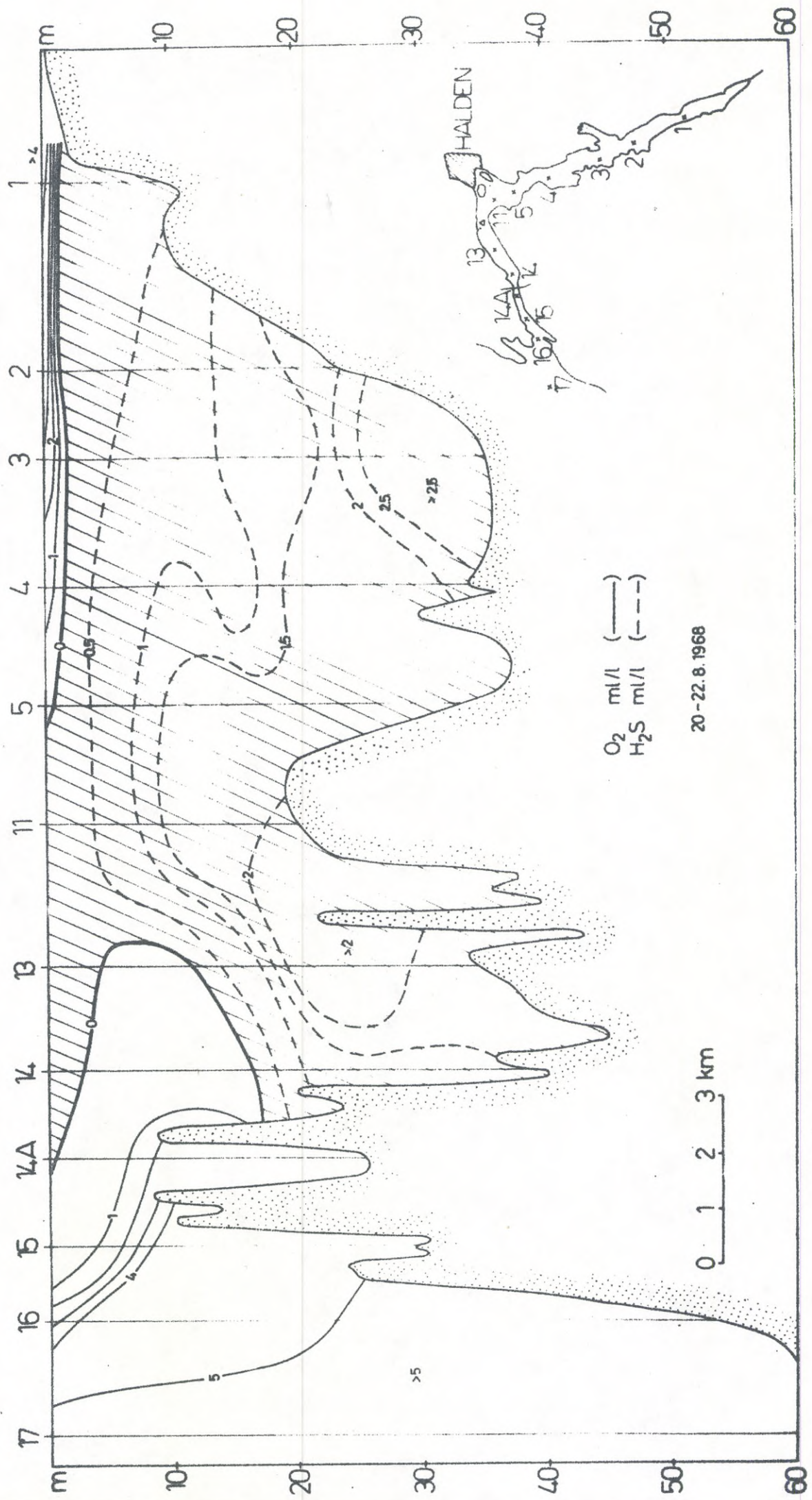


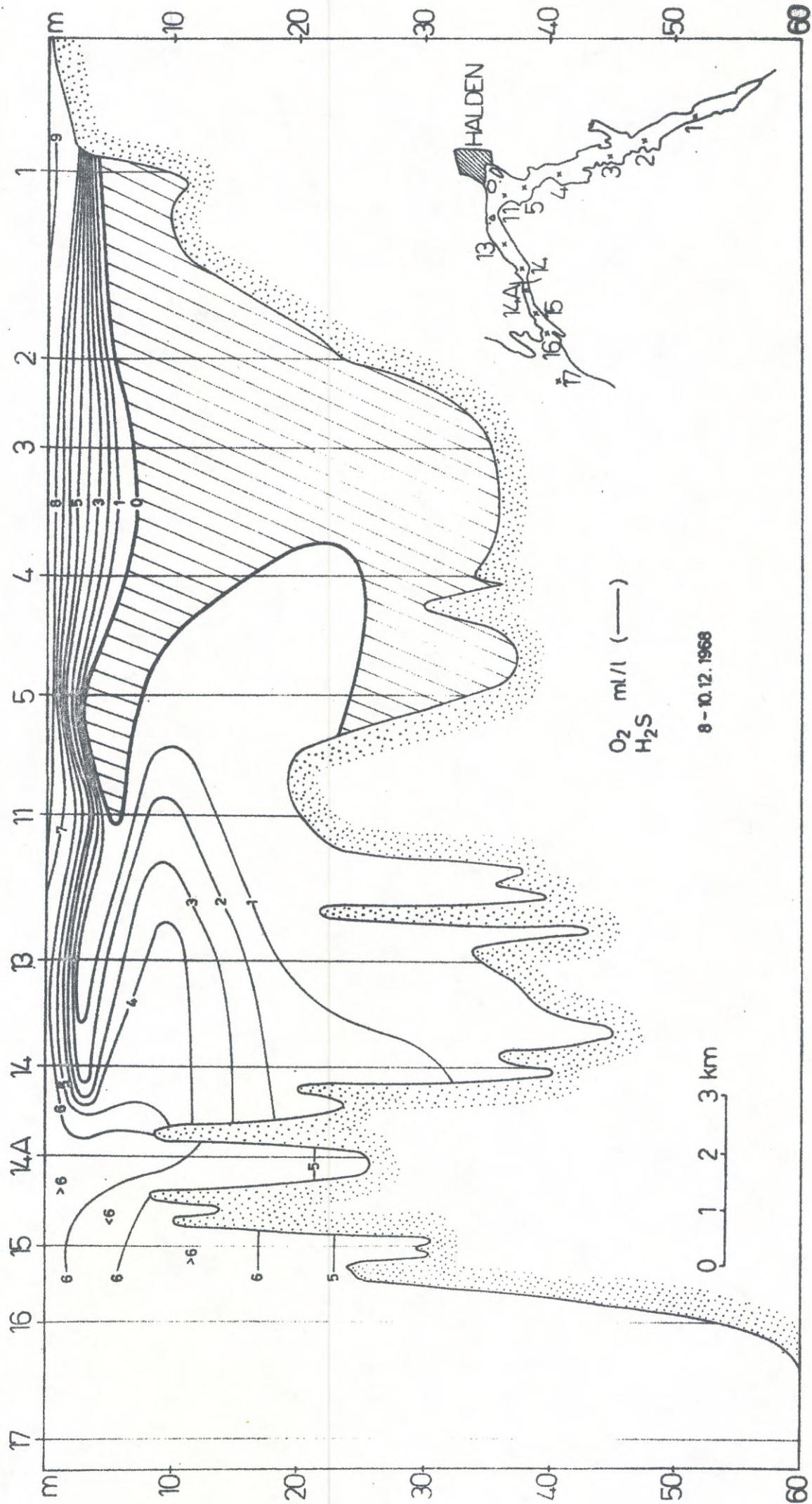
O<sub>2</sub> ml/l (—)  
H<sub>2</sub>S ml/l (---)

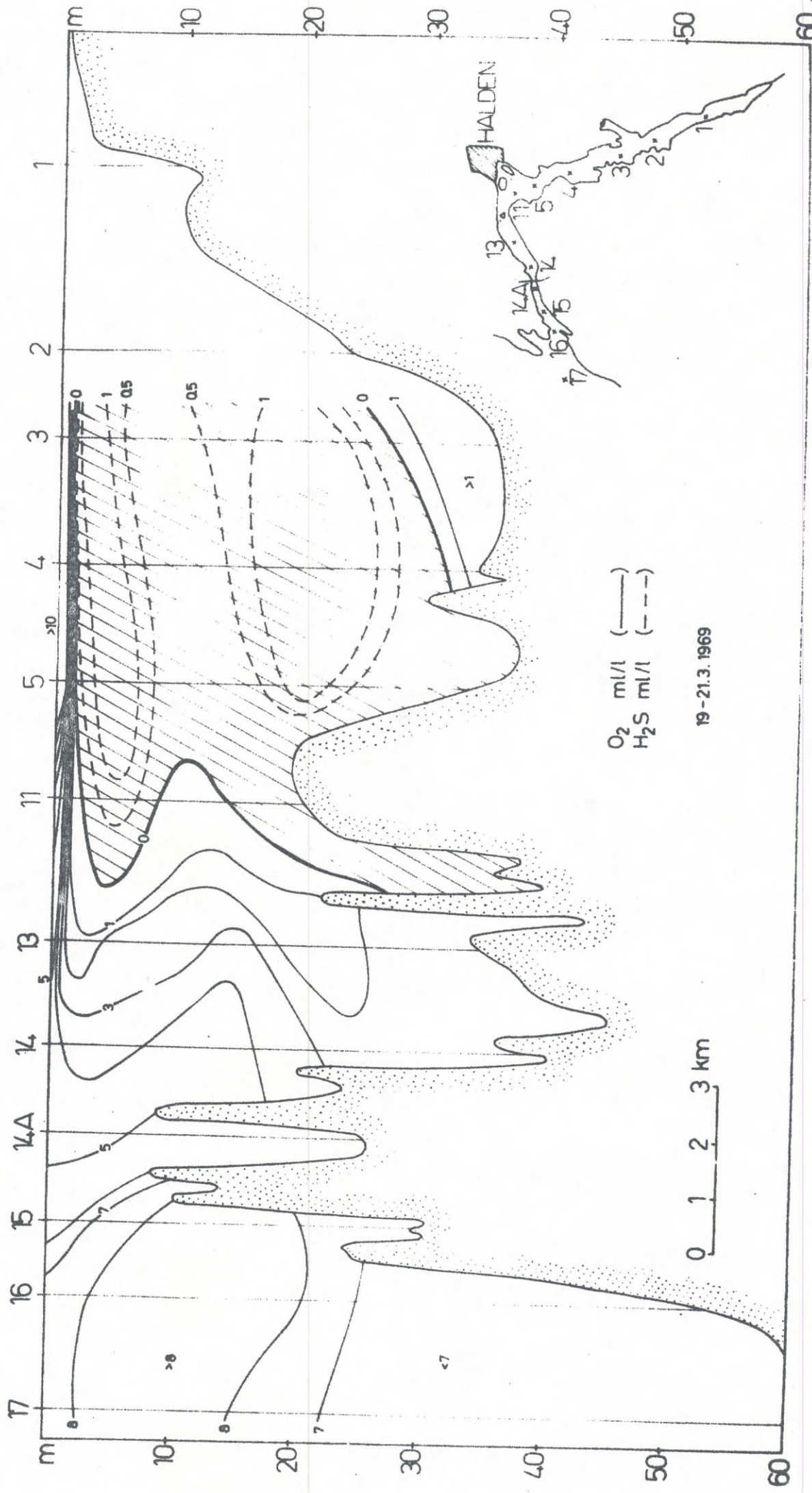
18-19.1.1968

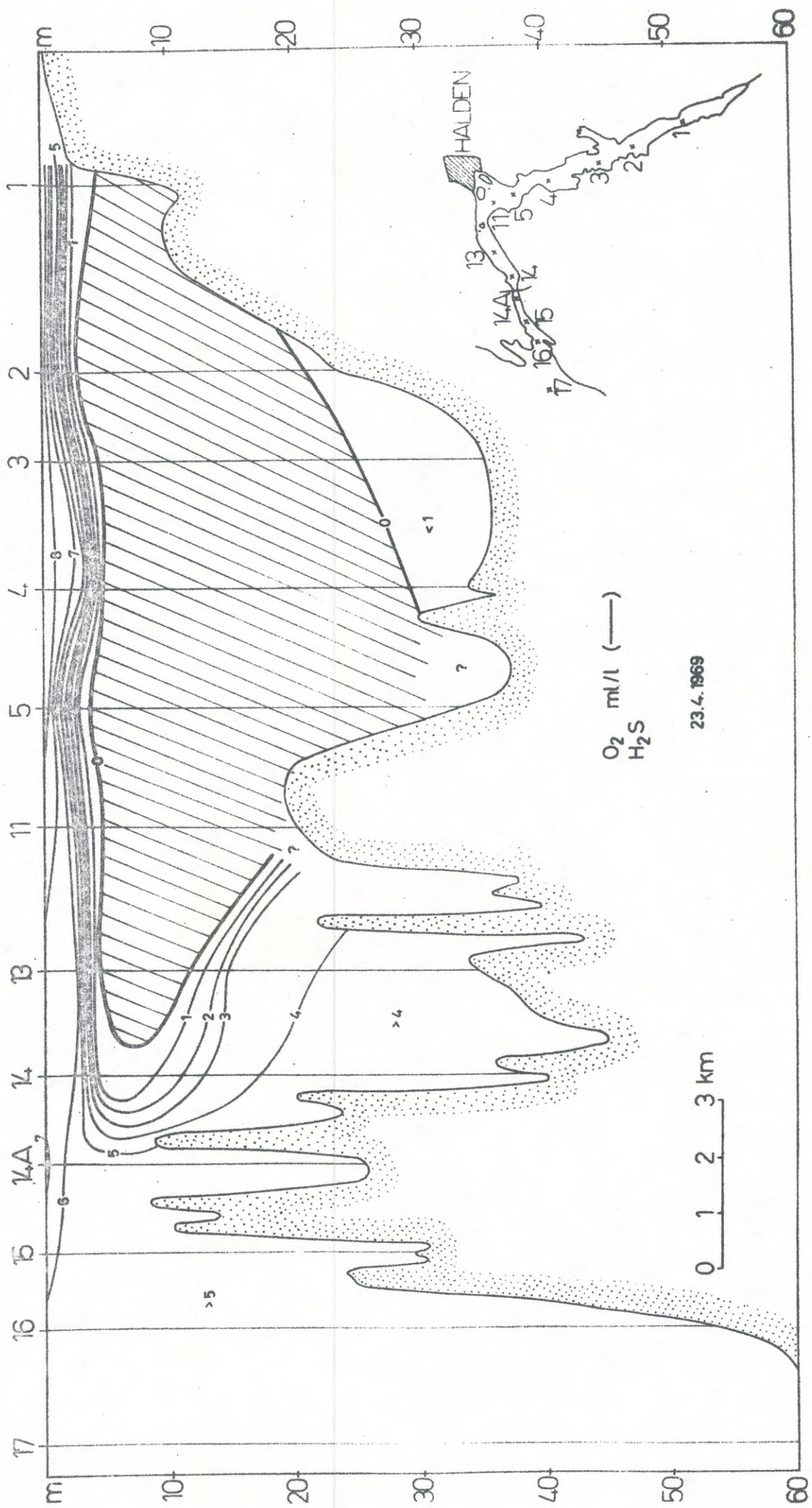
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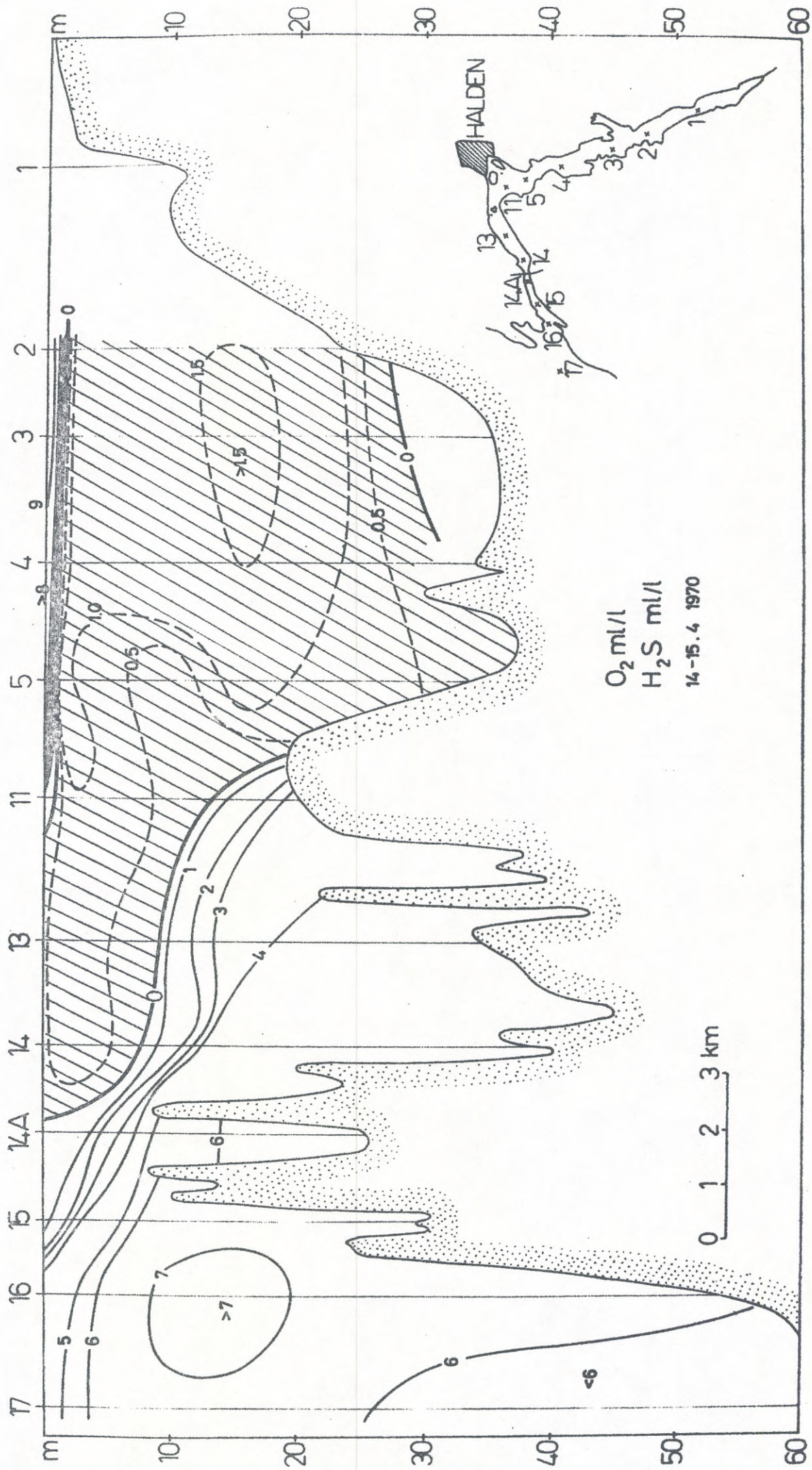


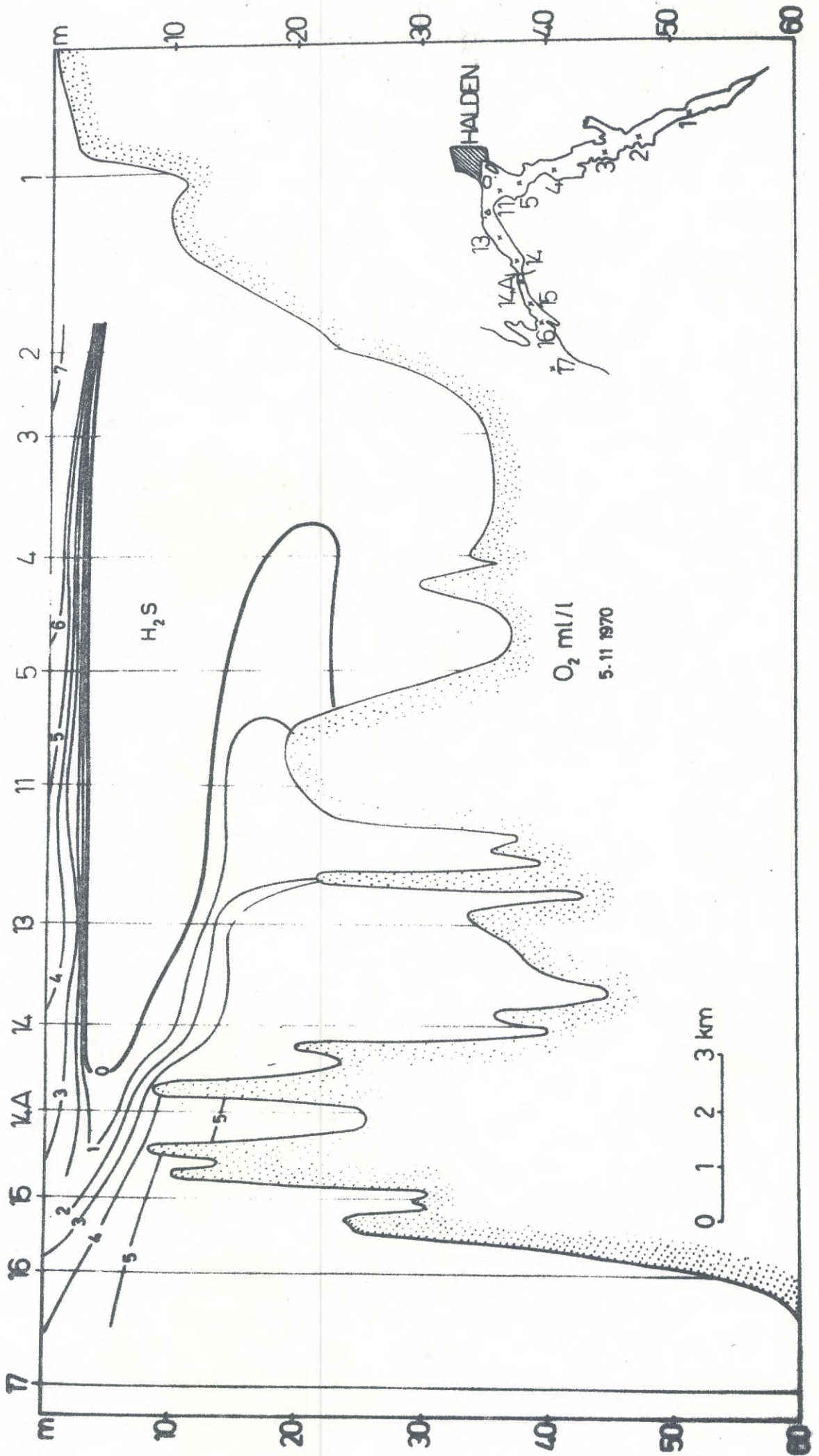




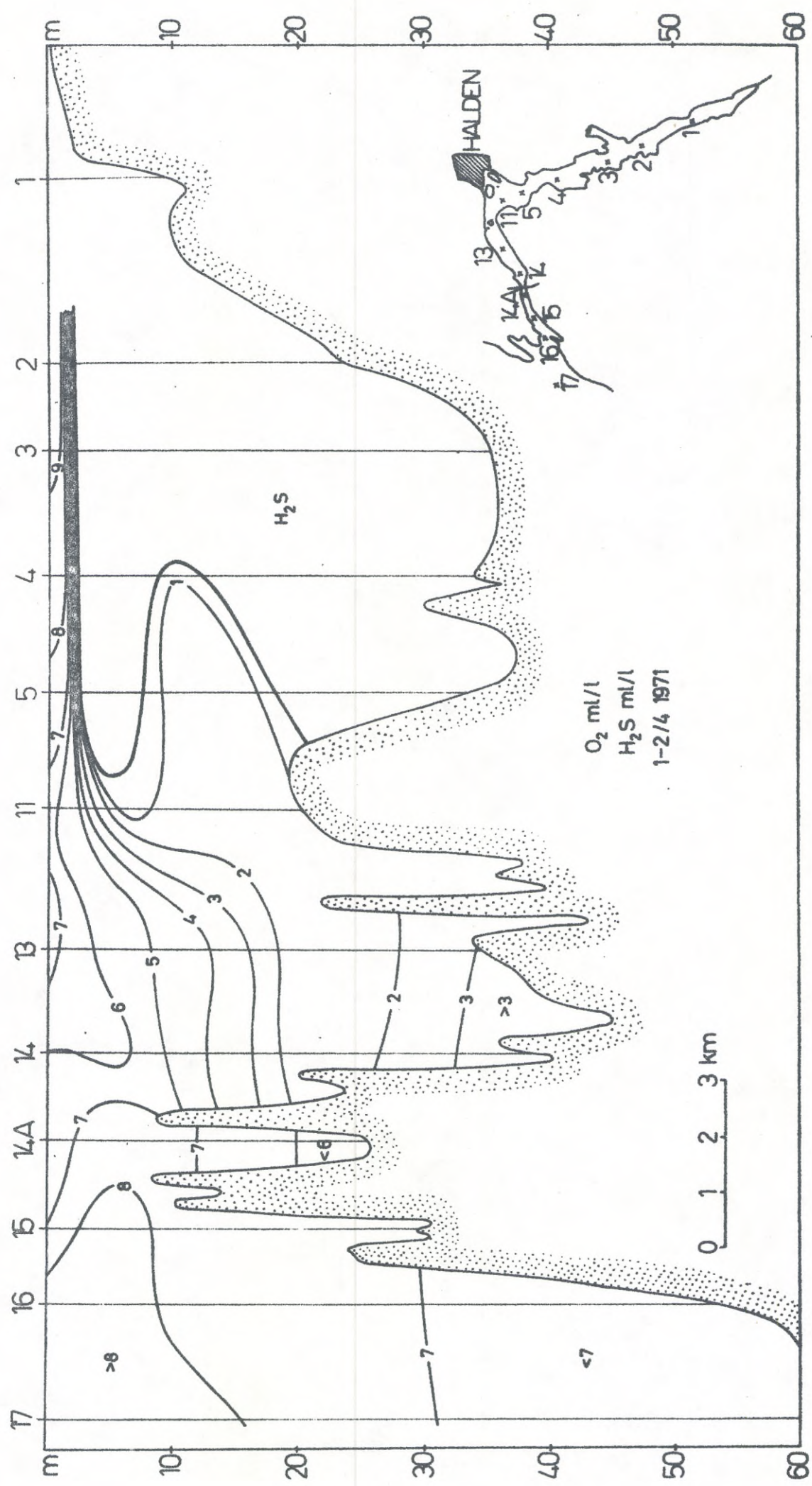


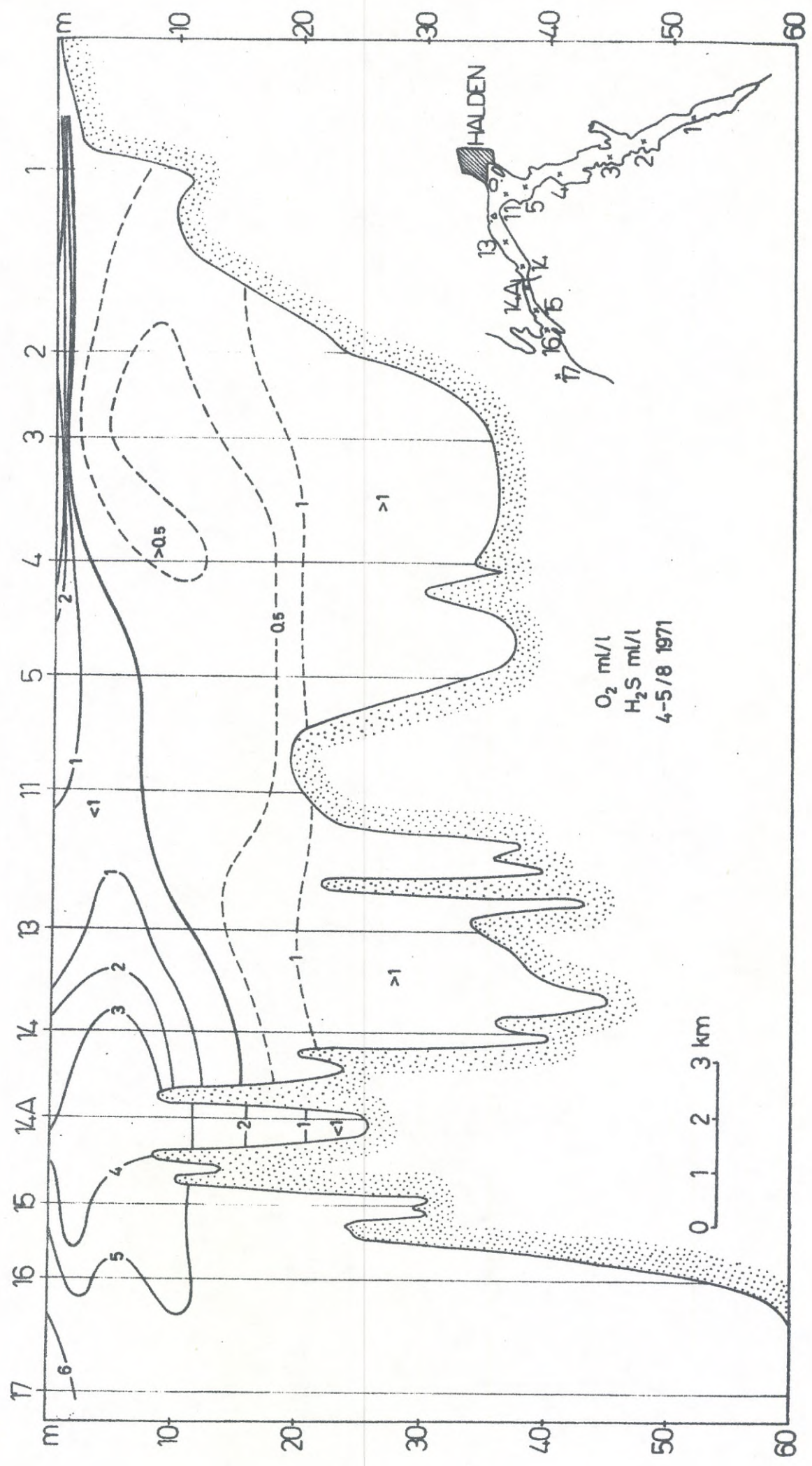


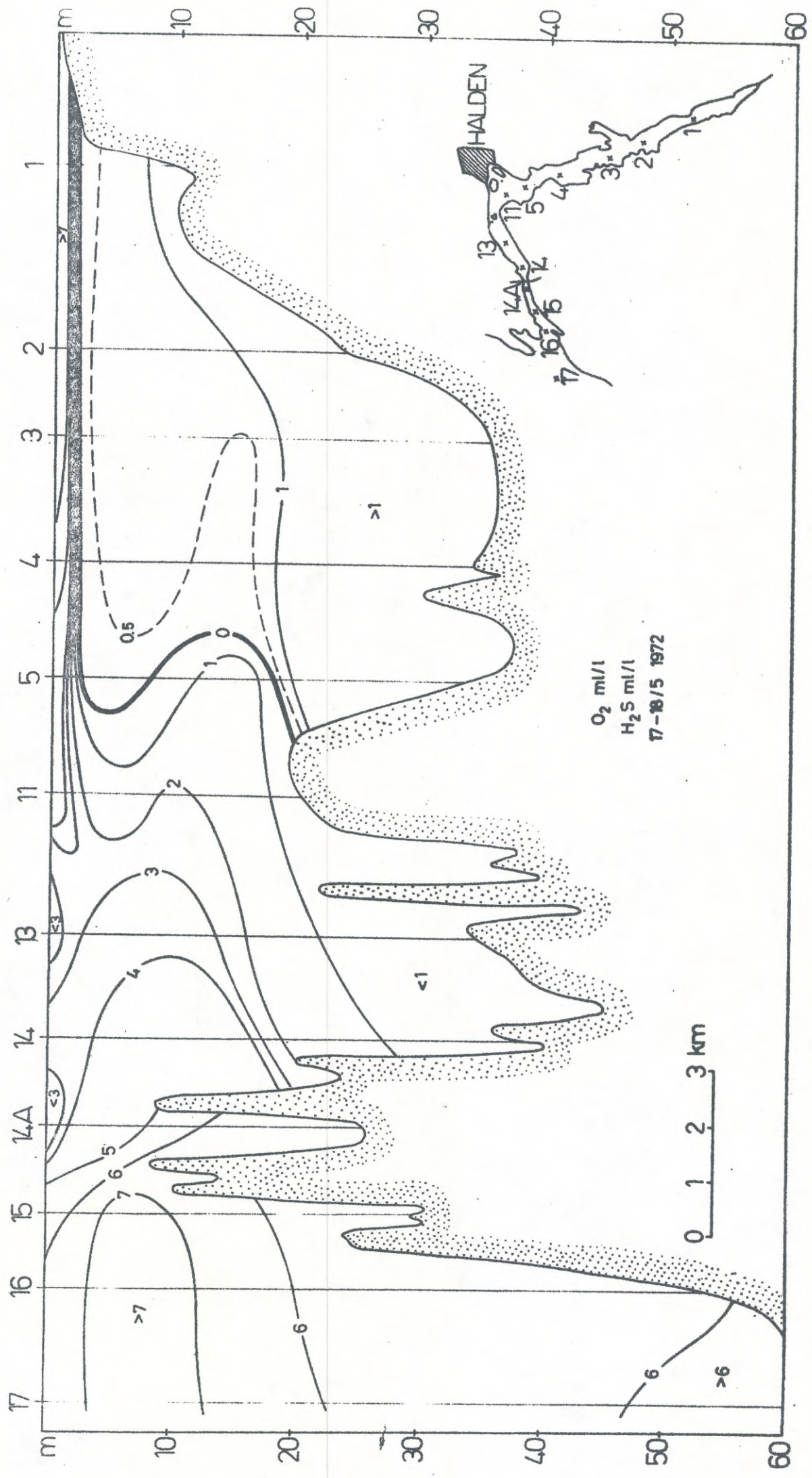


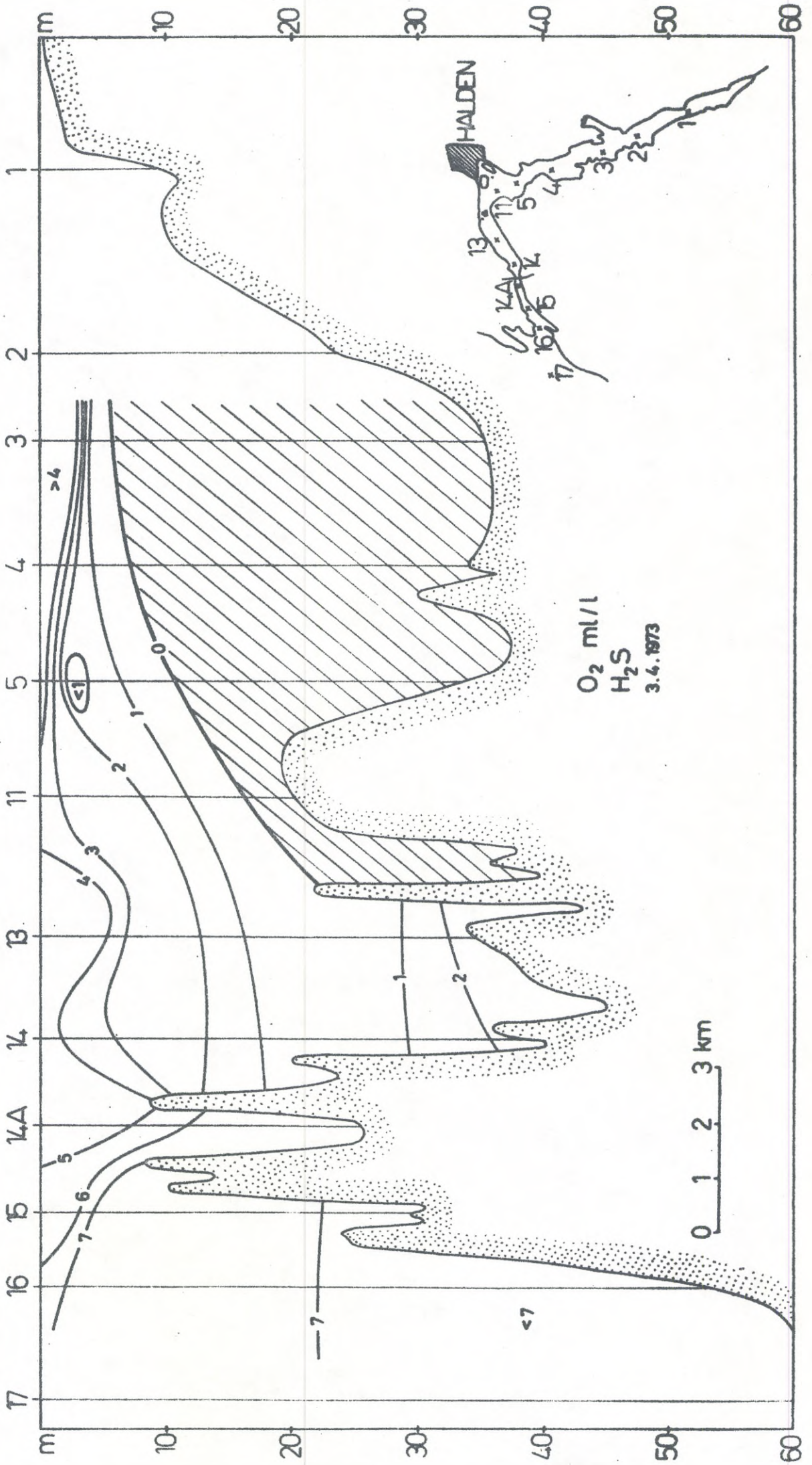


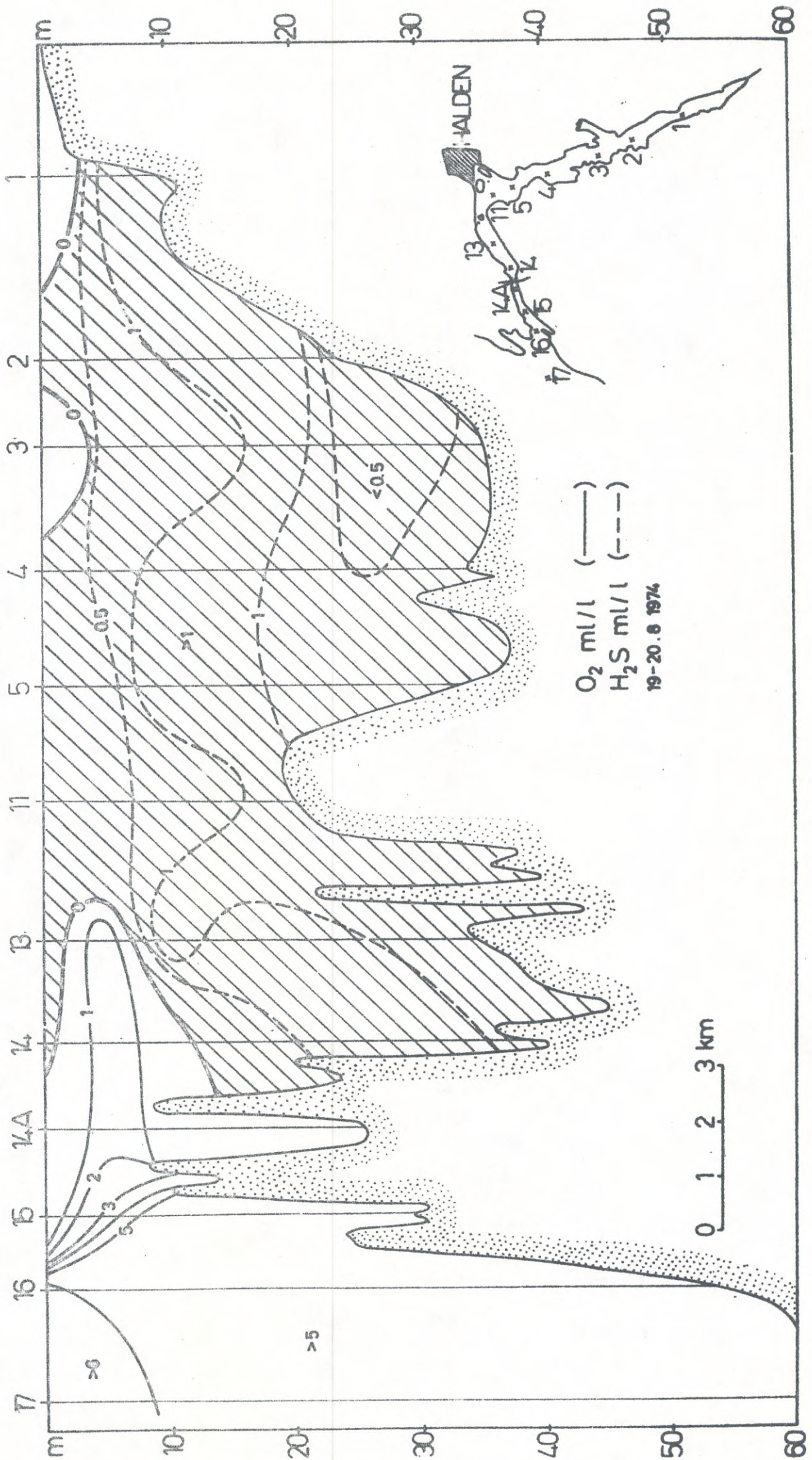


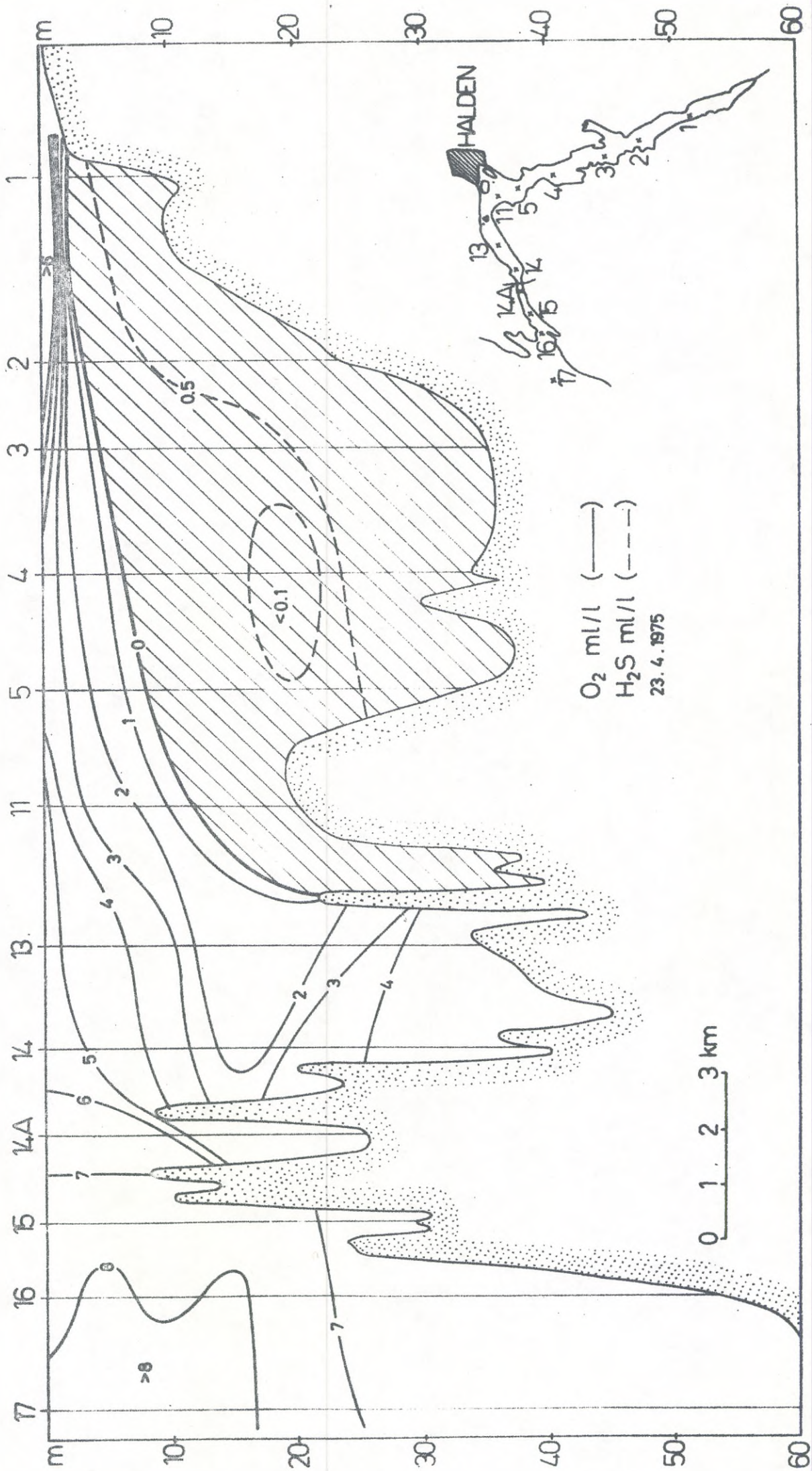


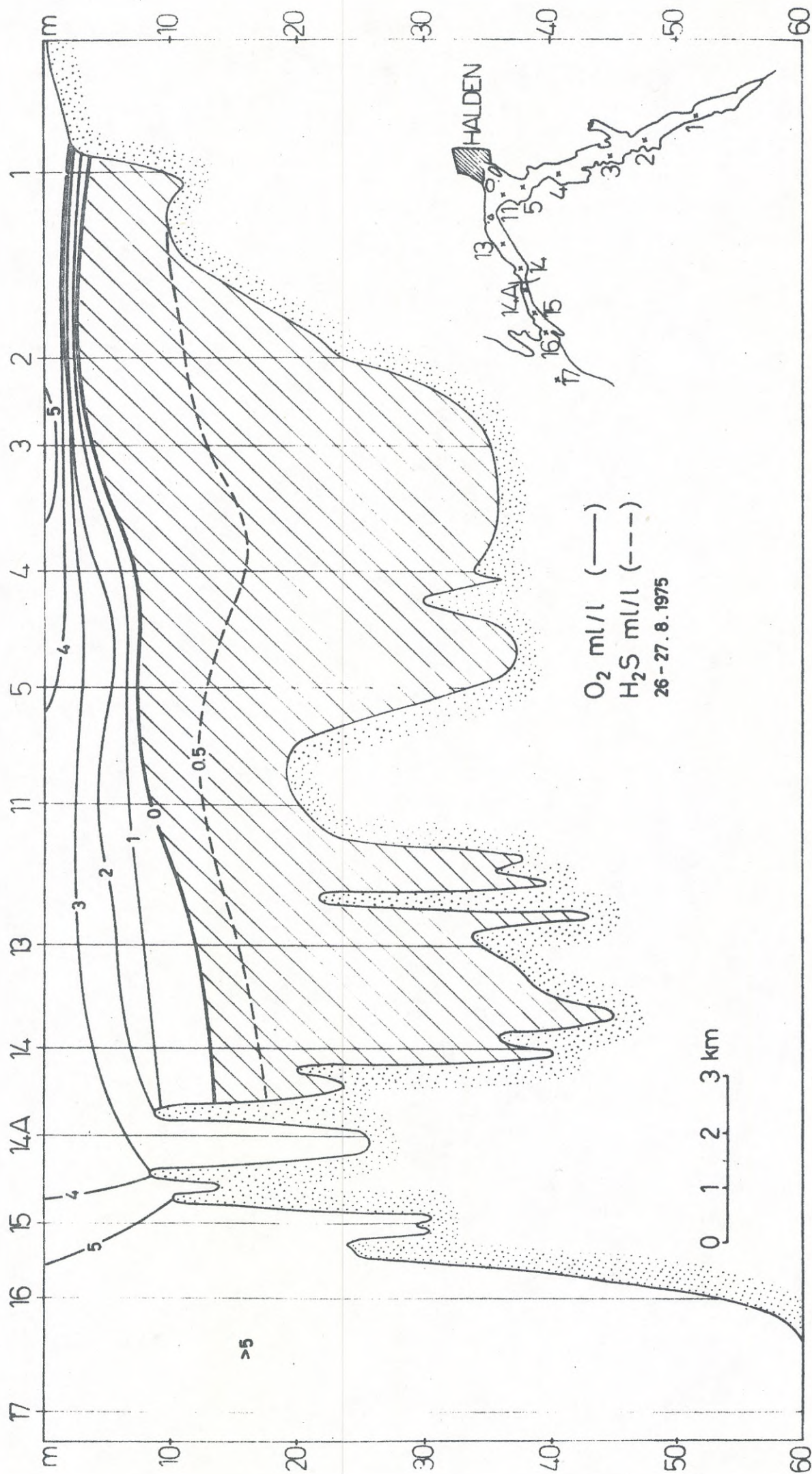


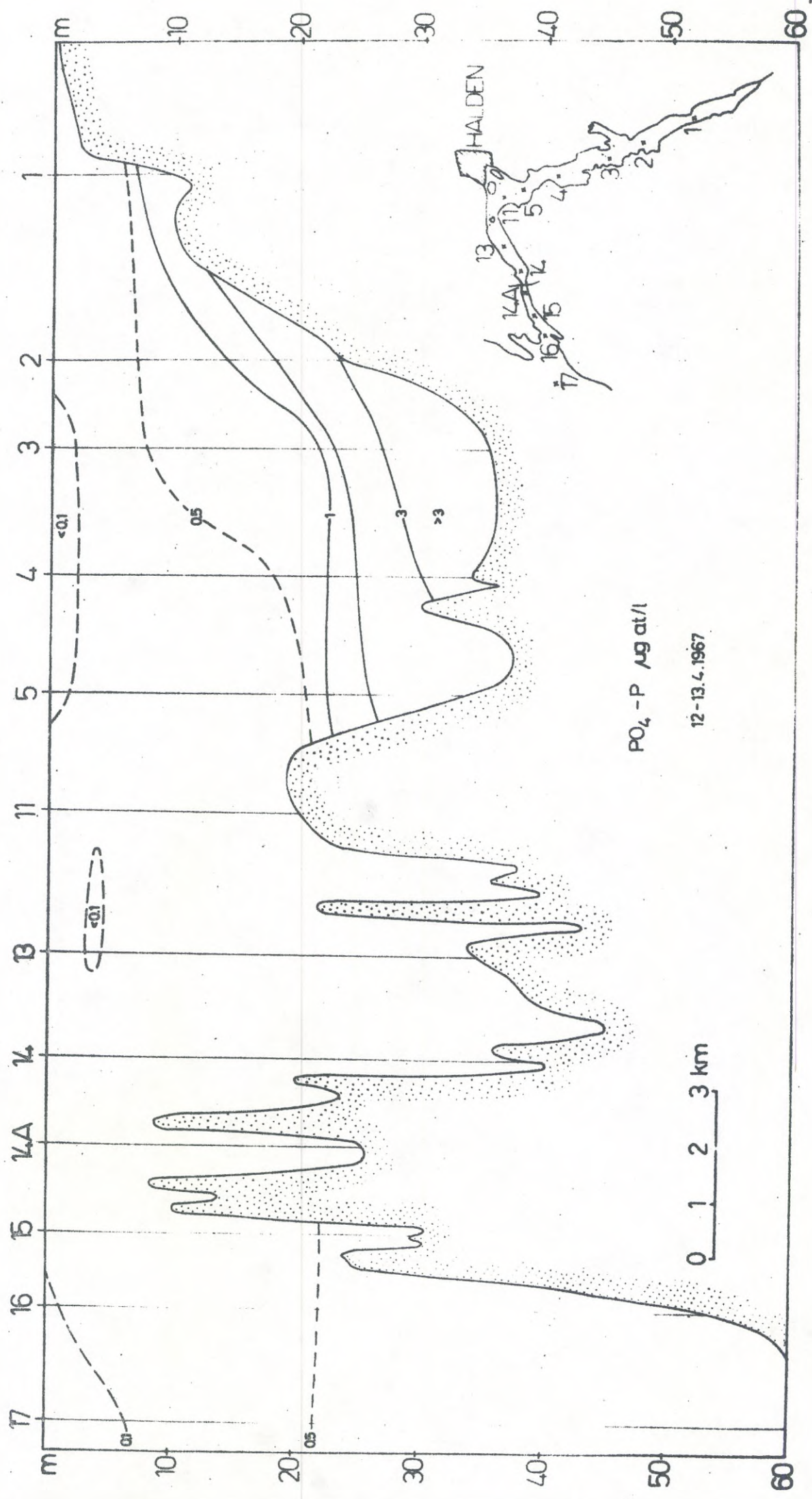




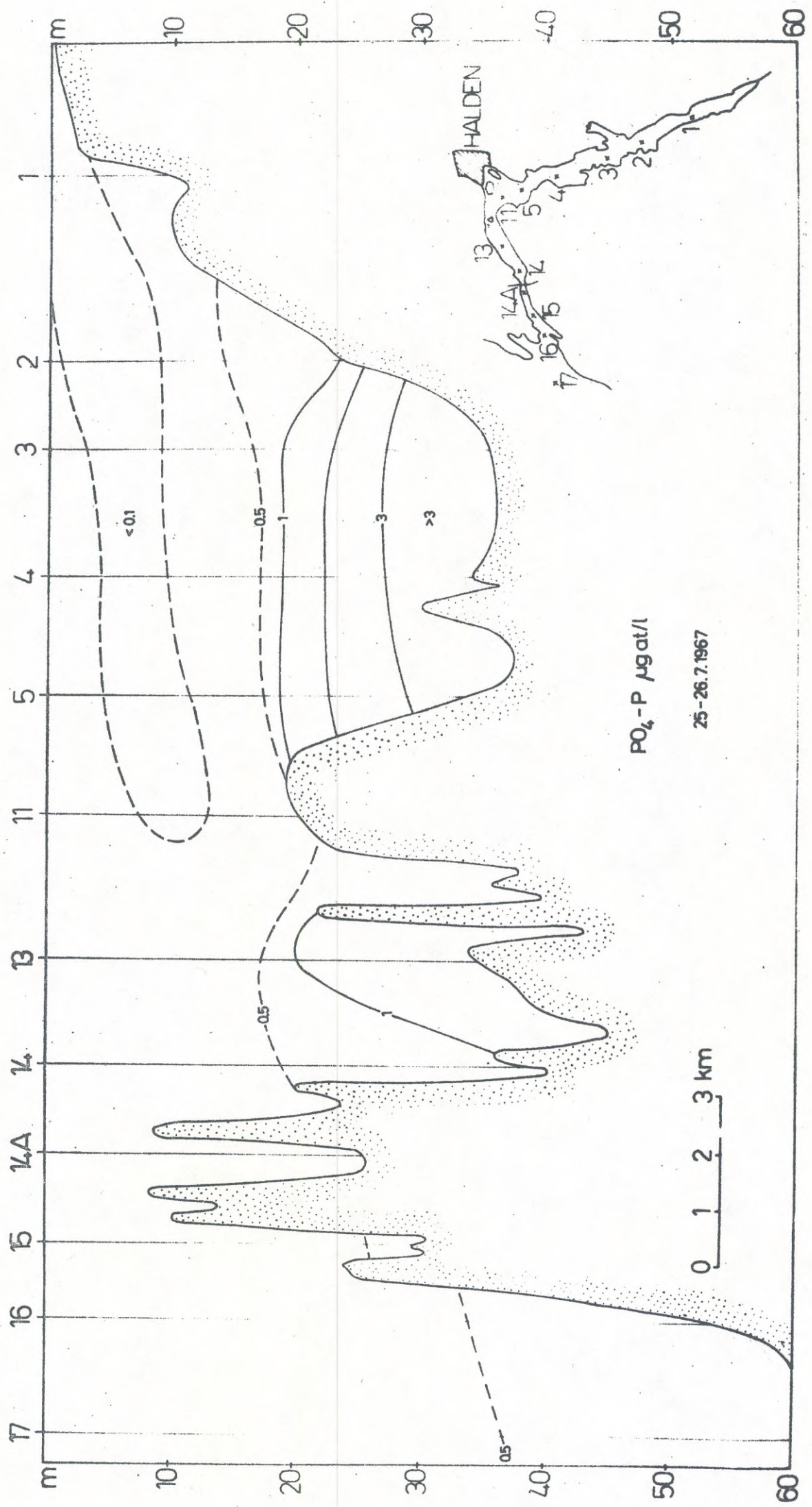


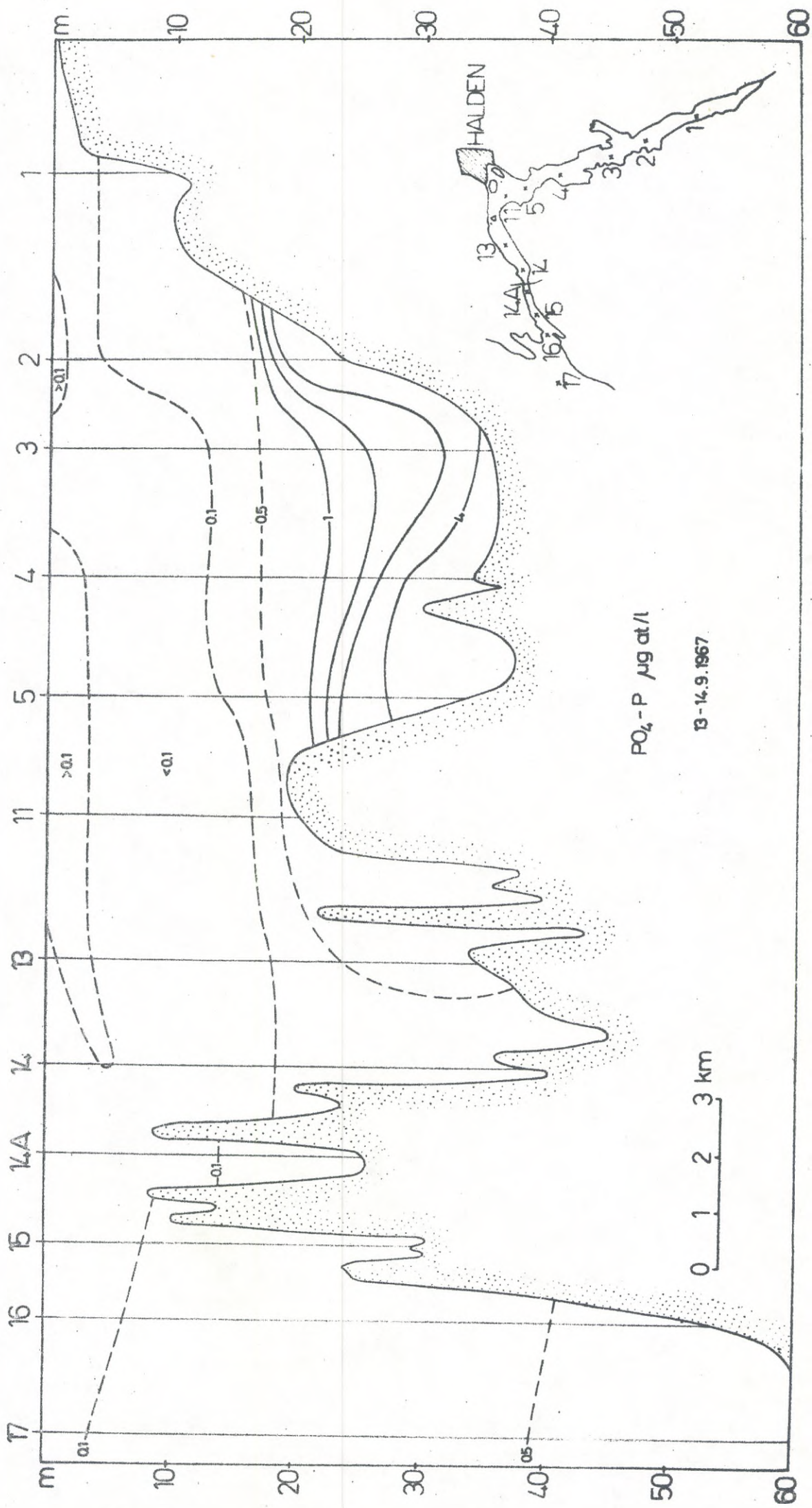


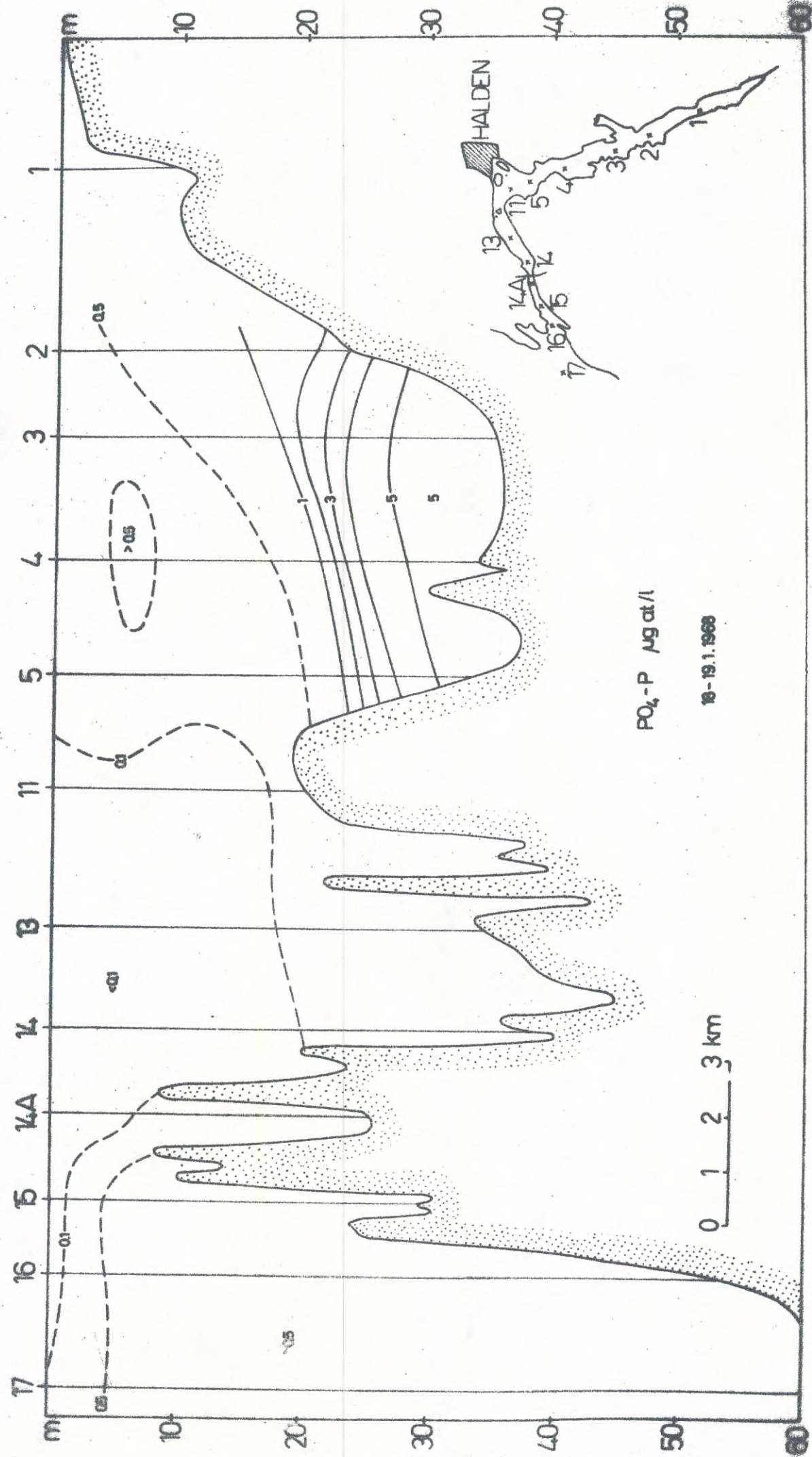


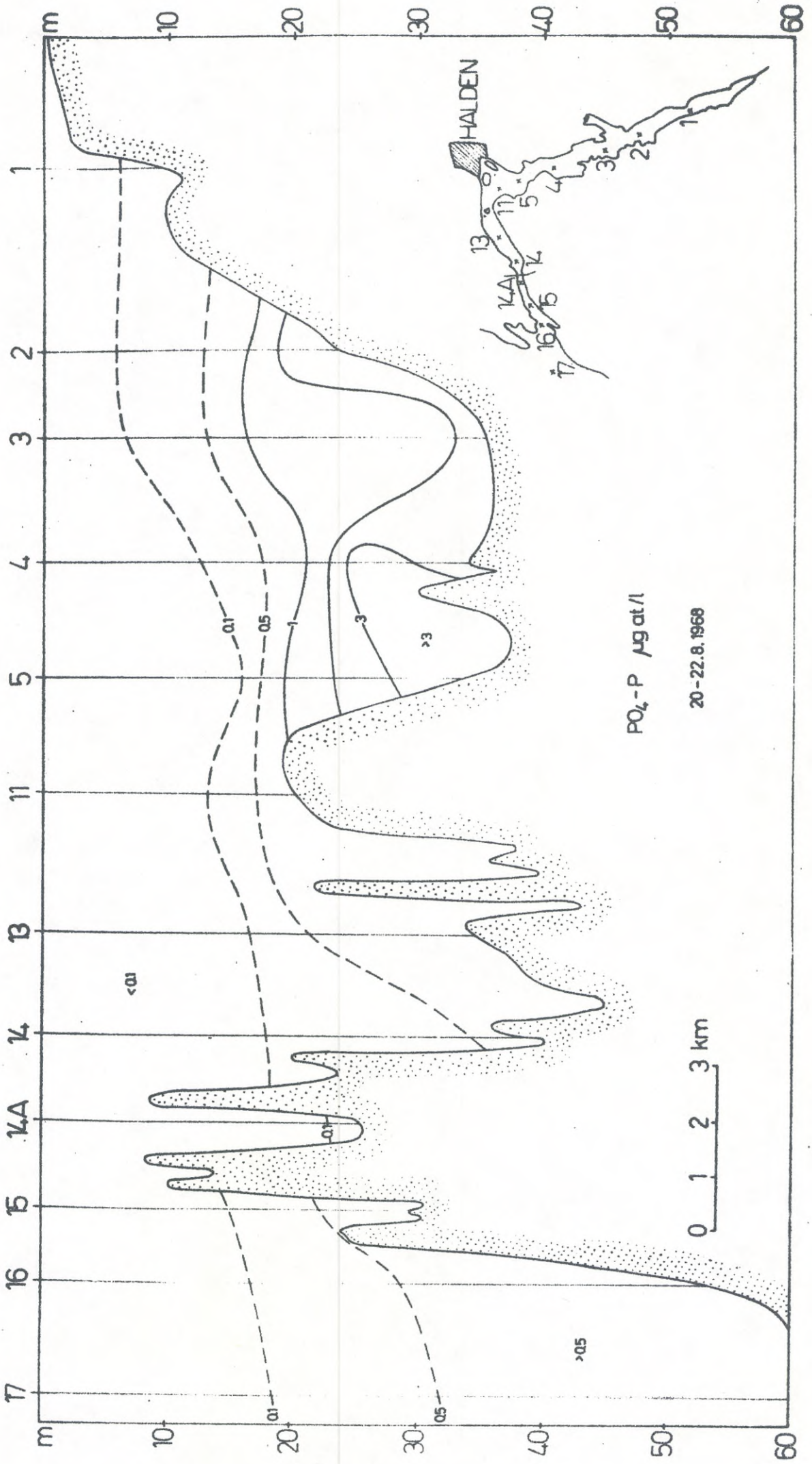


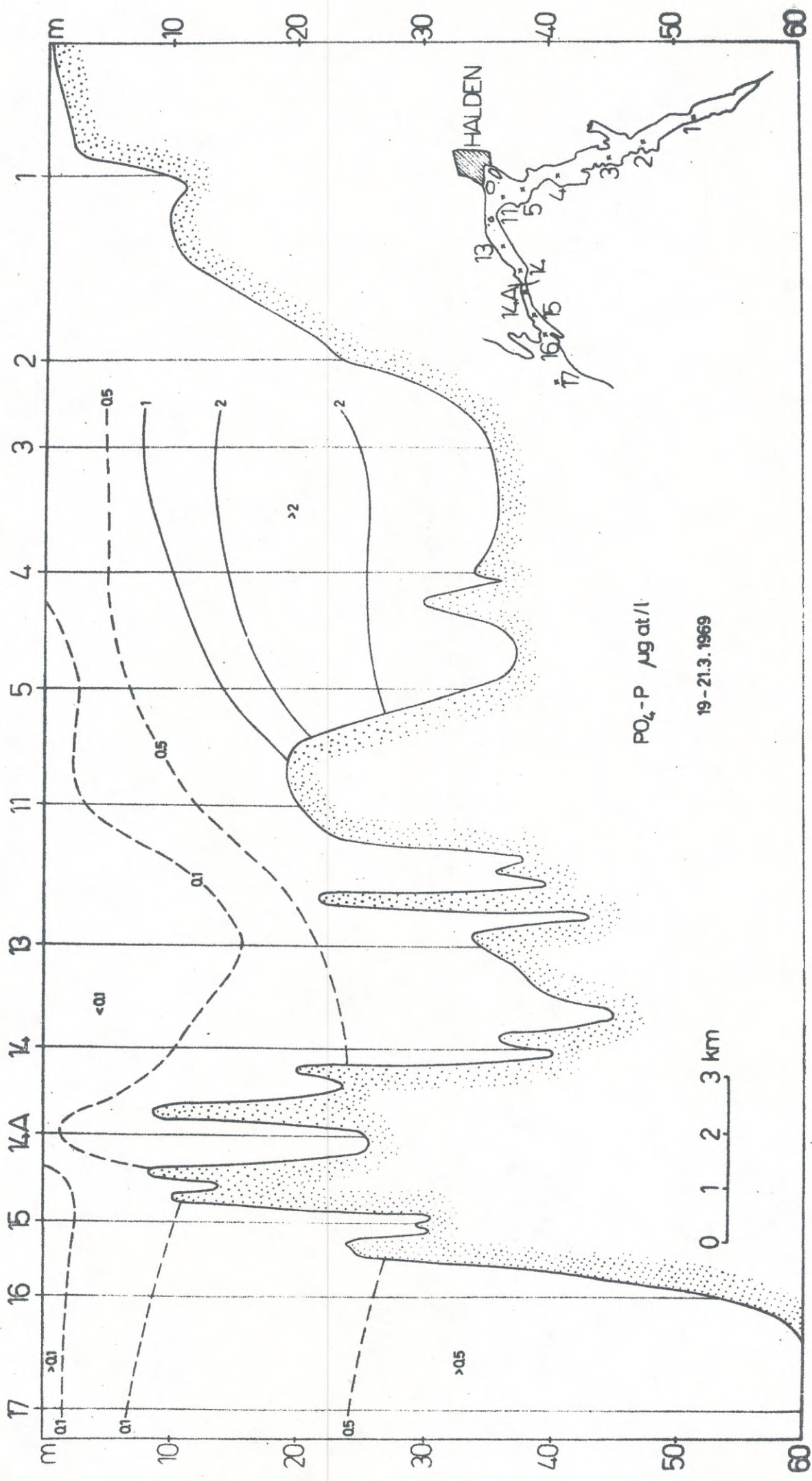


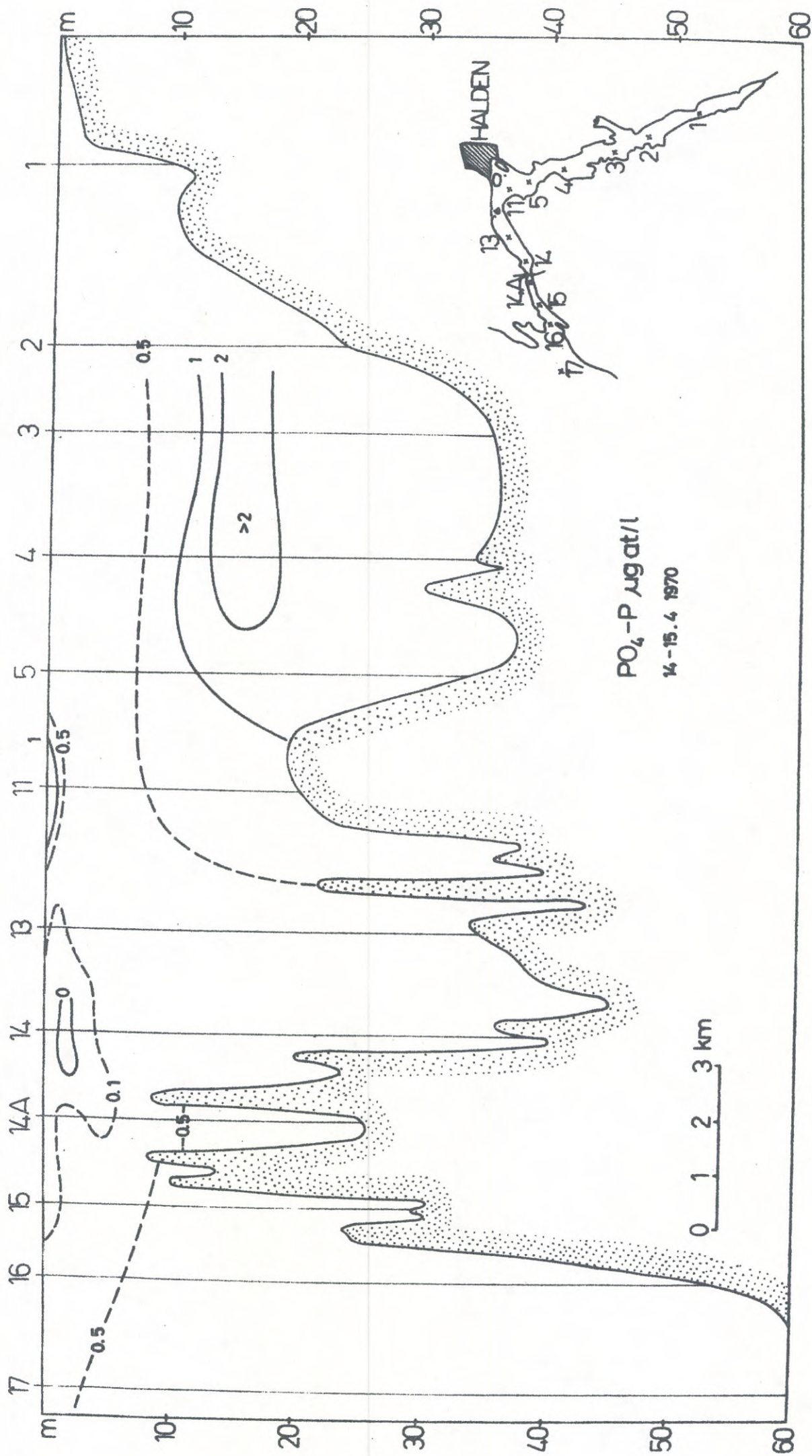


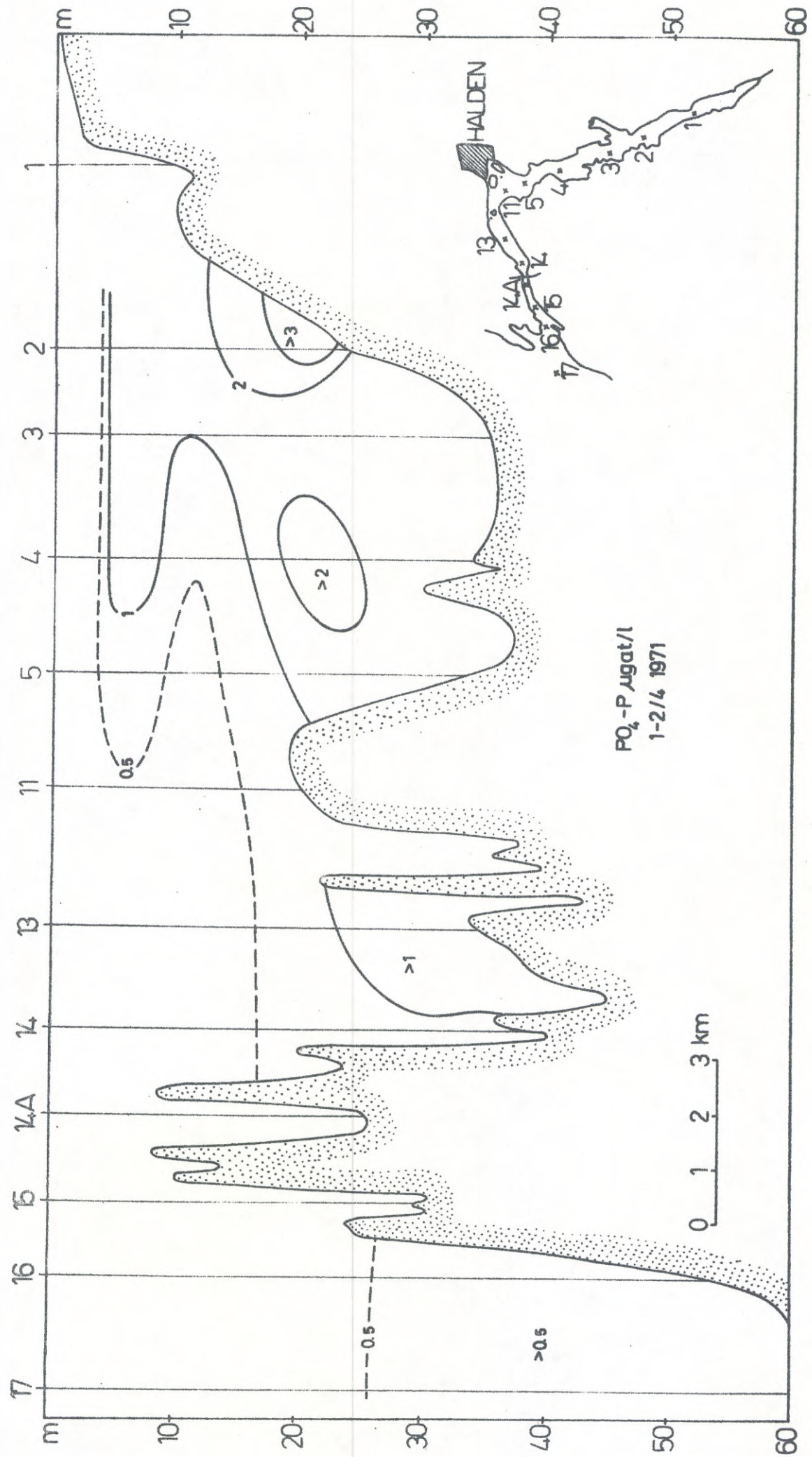


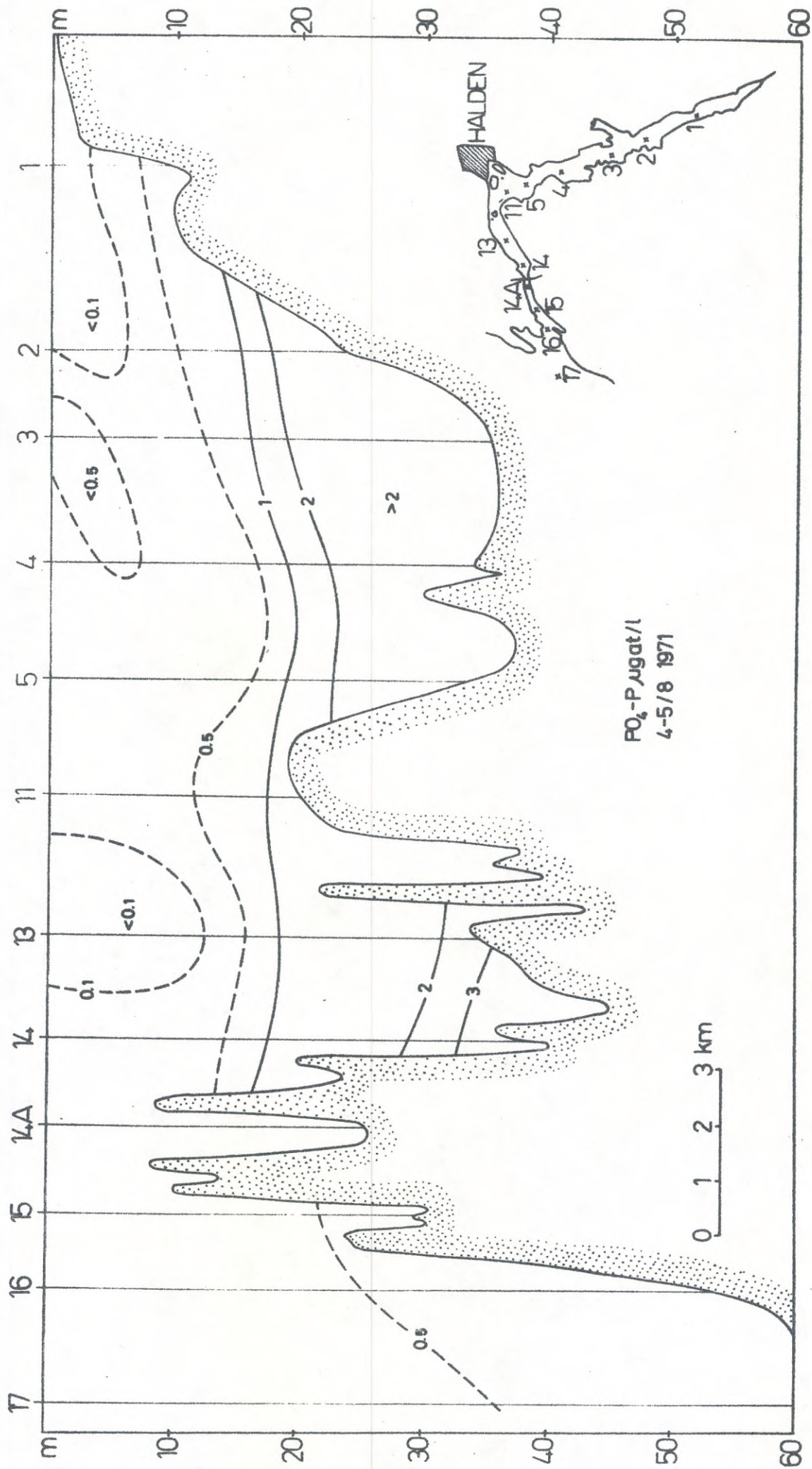




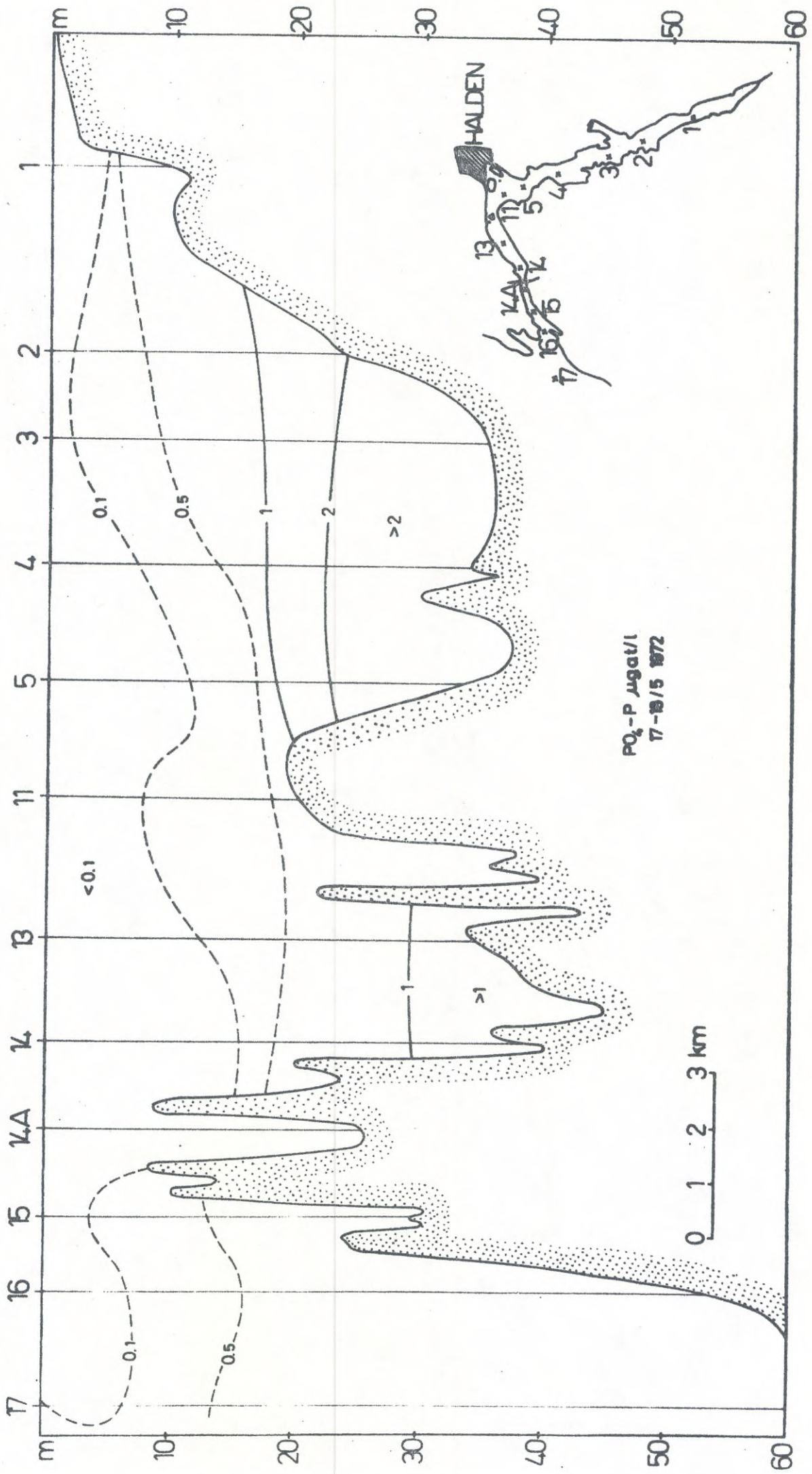




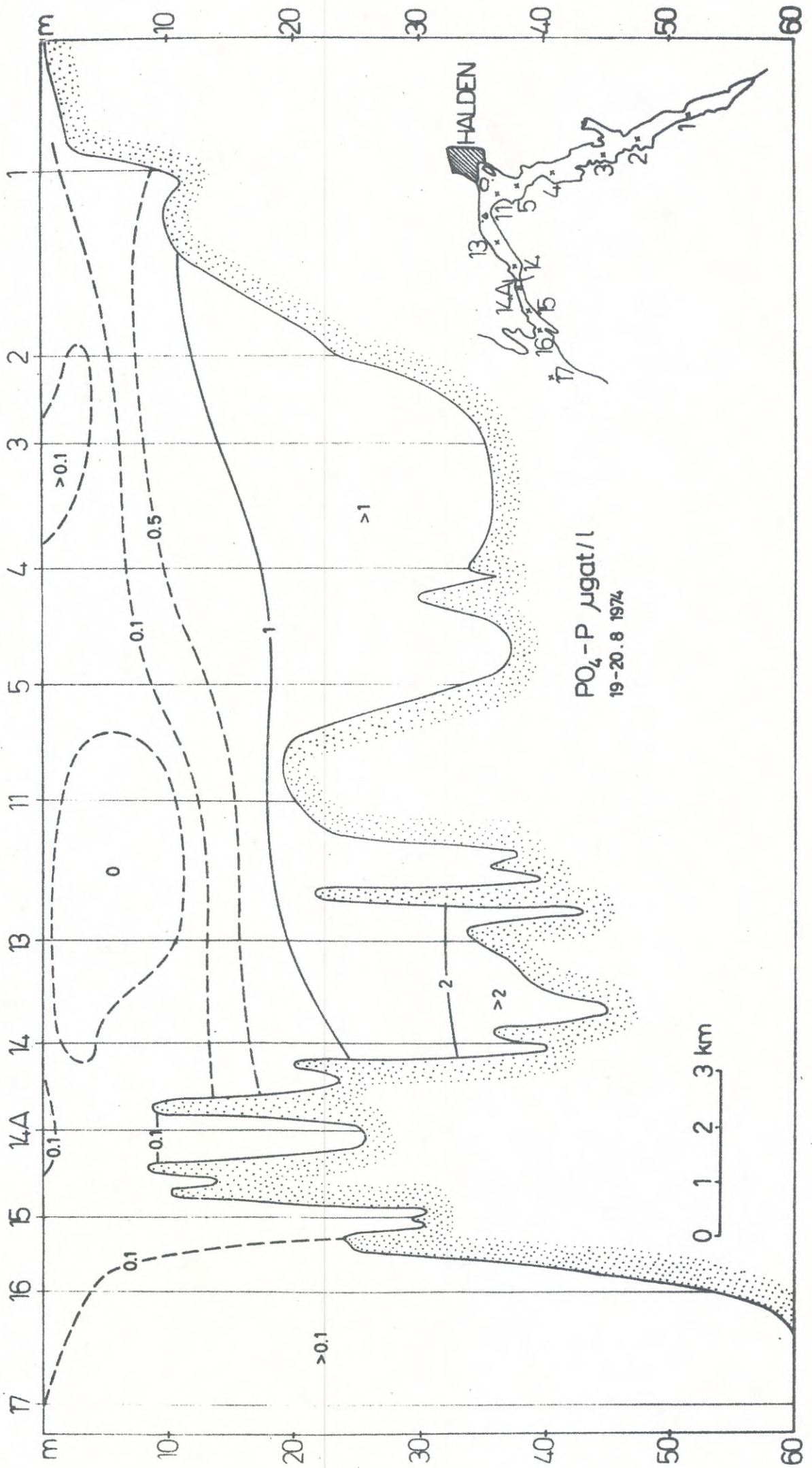


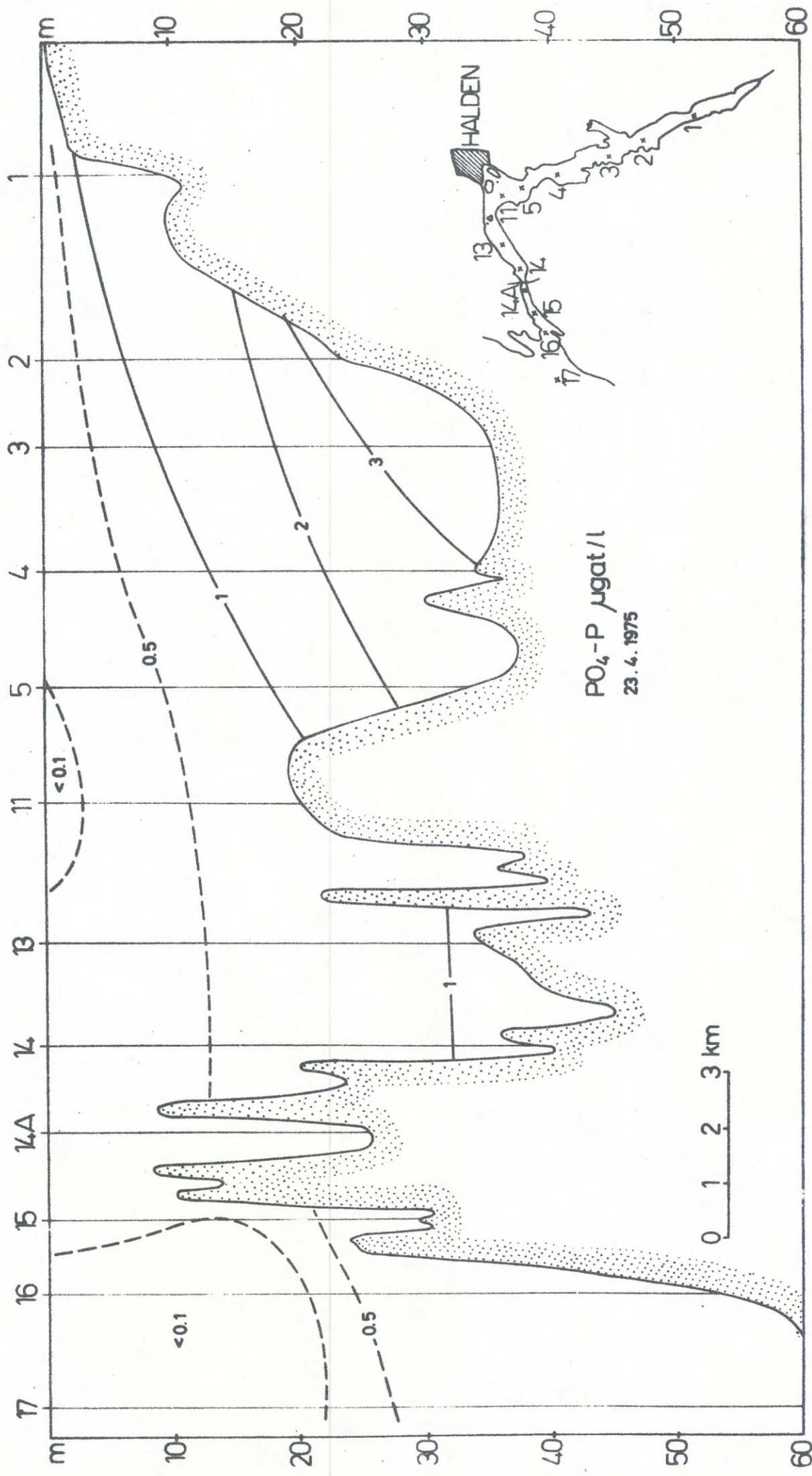


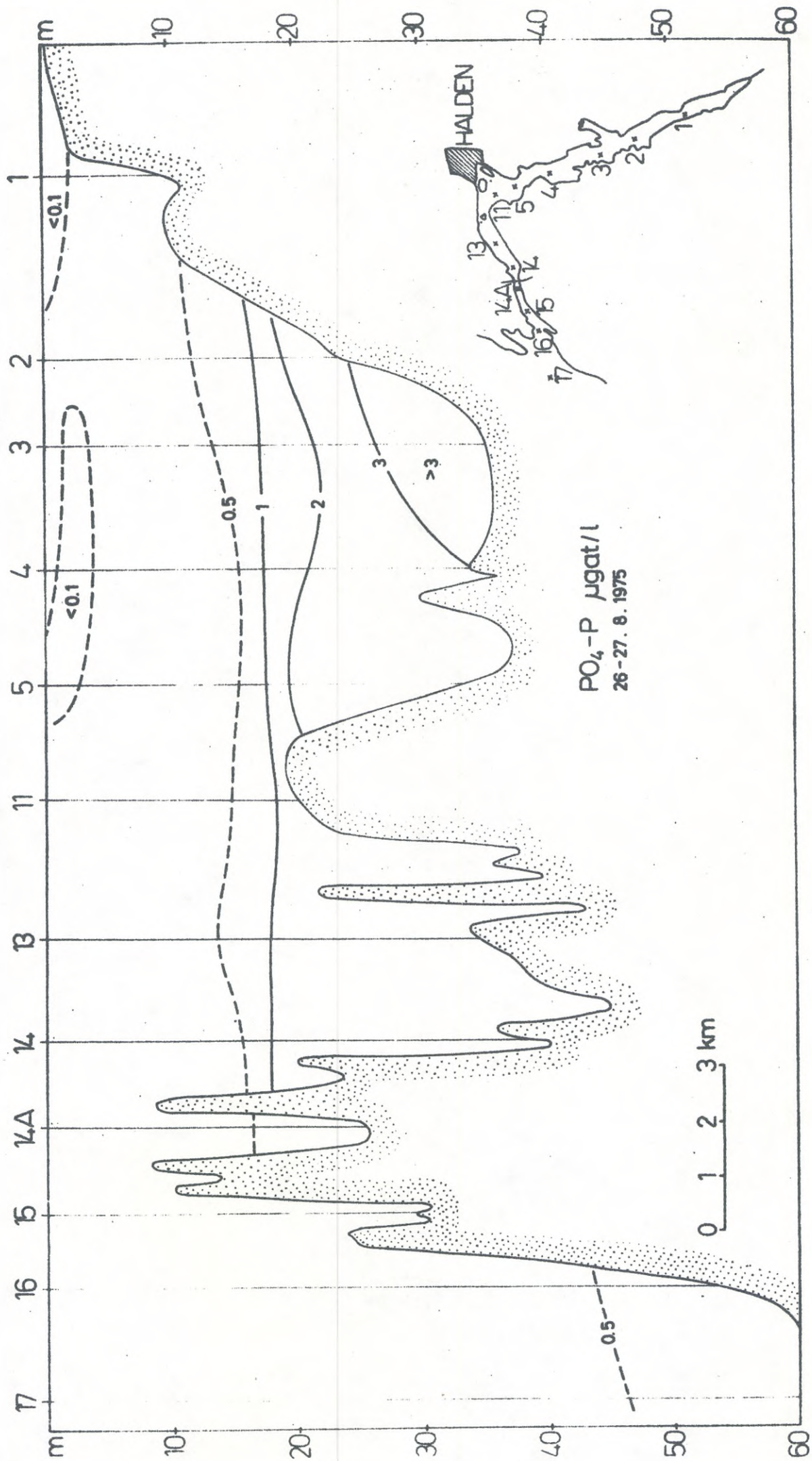


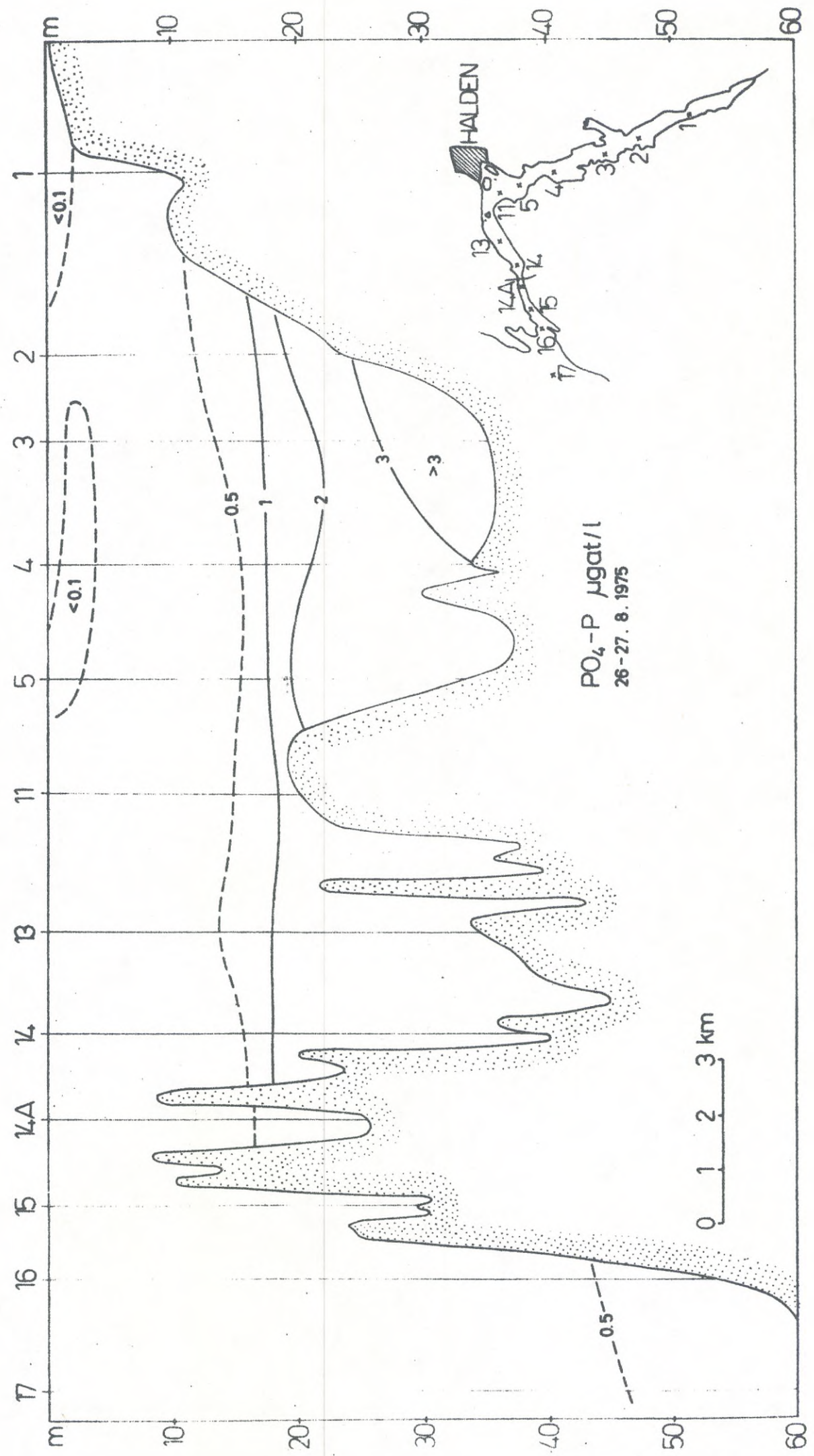


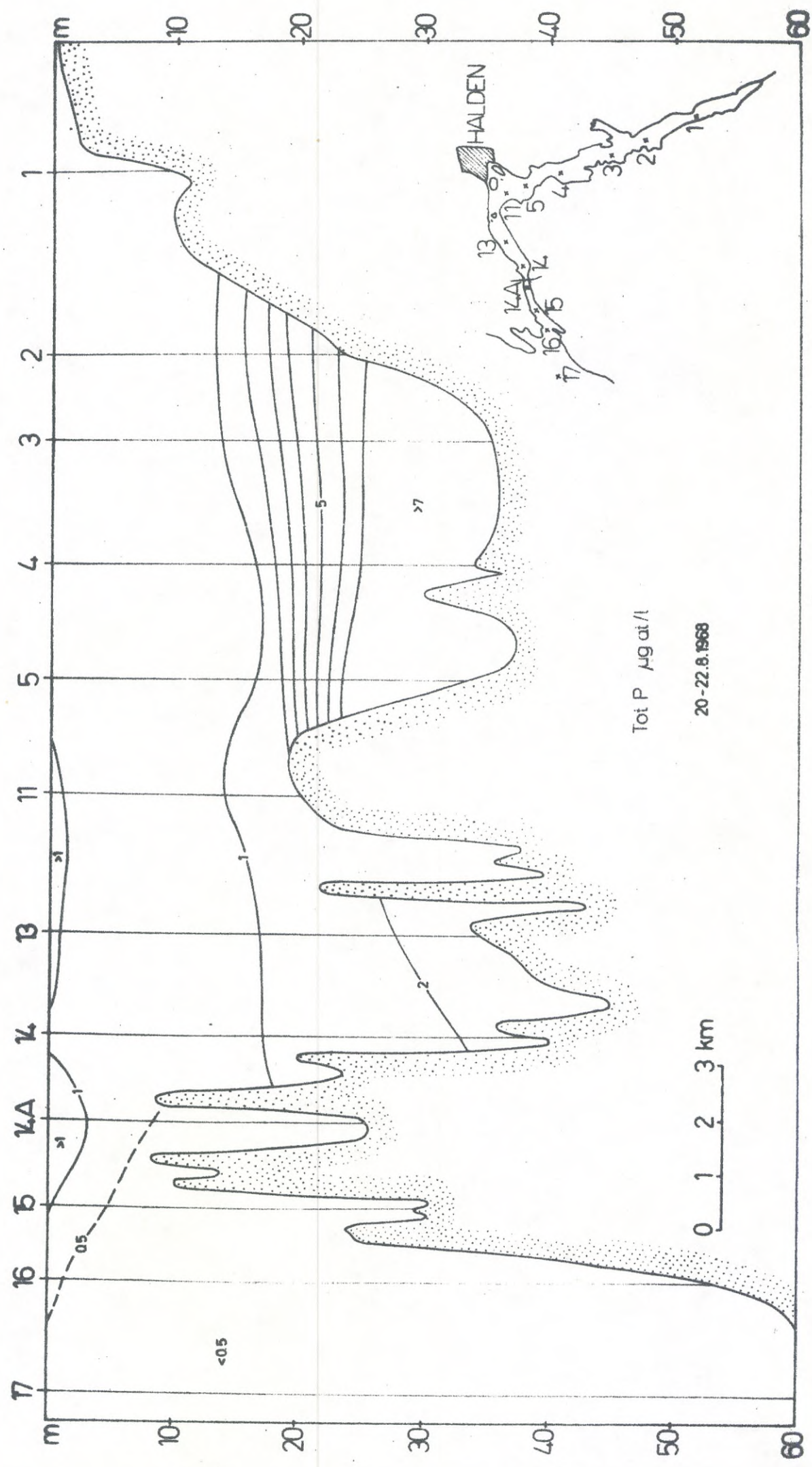
$PO_4-P \mu g/l$   
17-18/5 1972

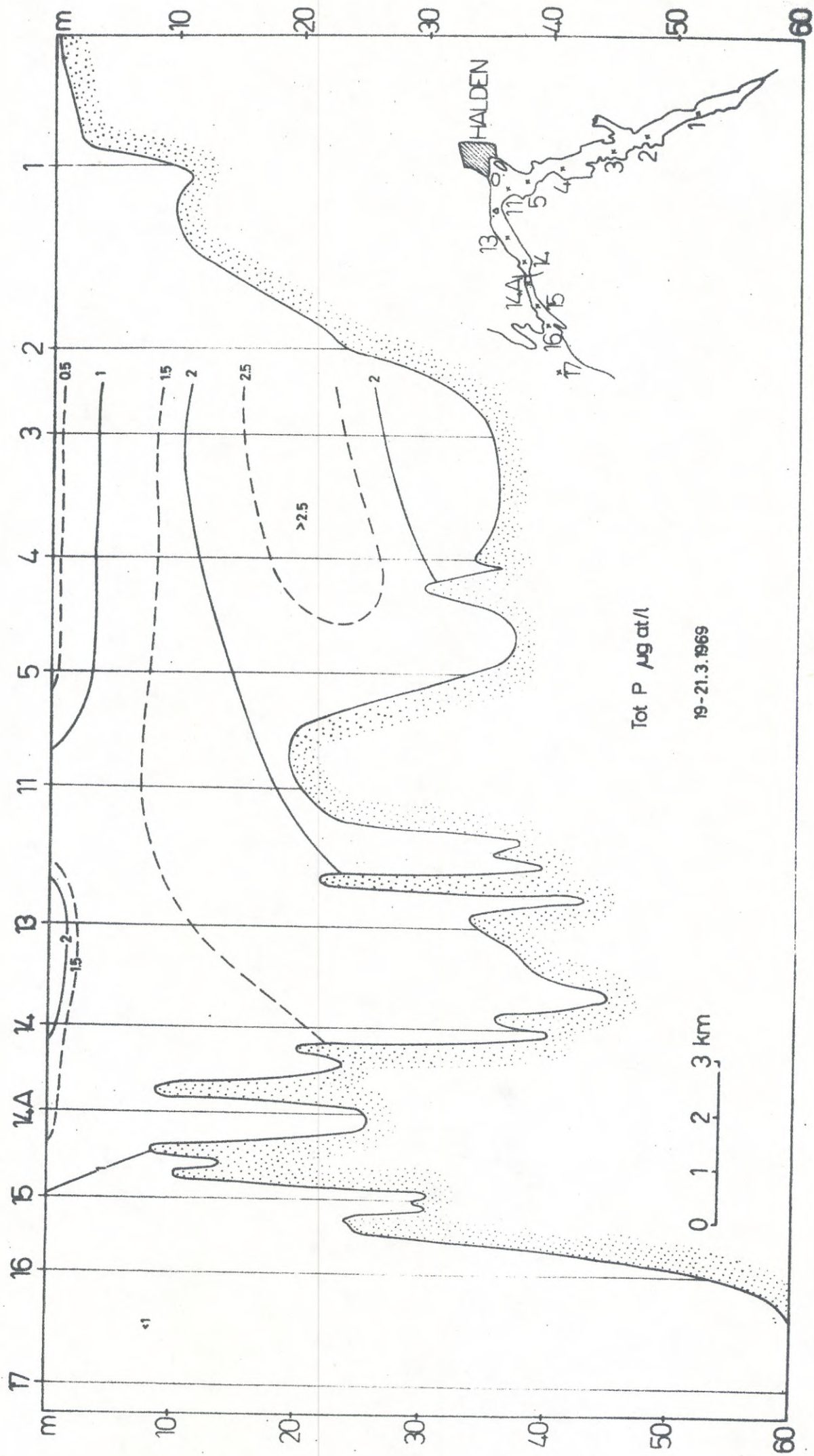


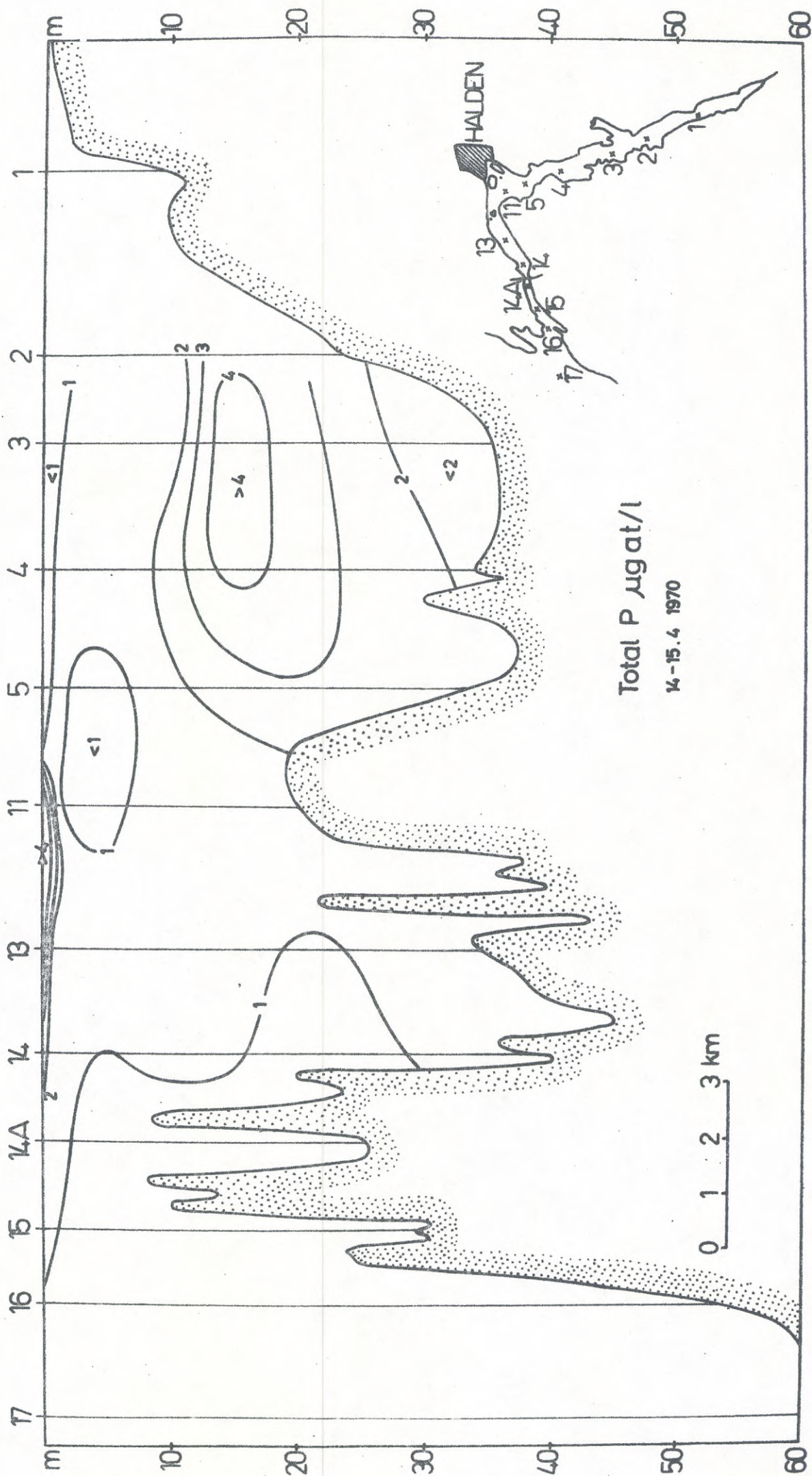




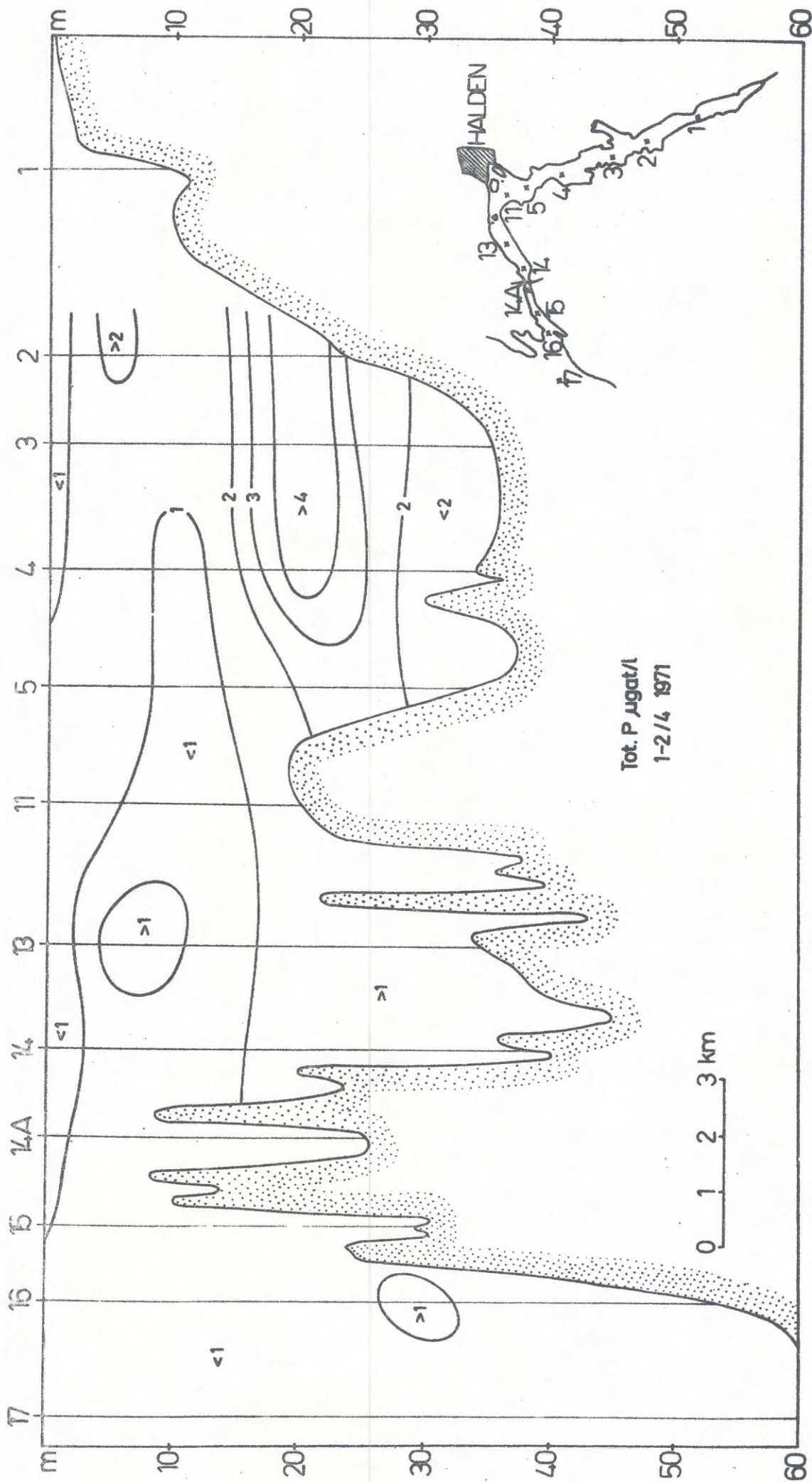


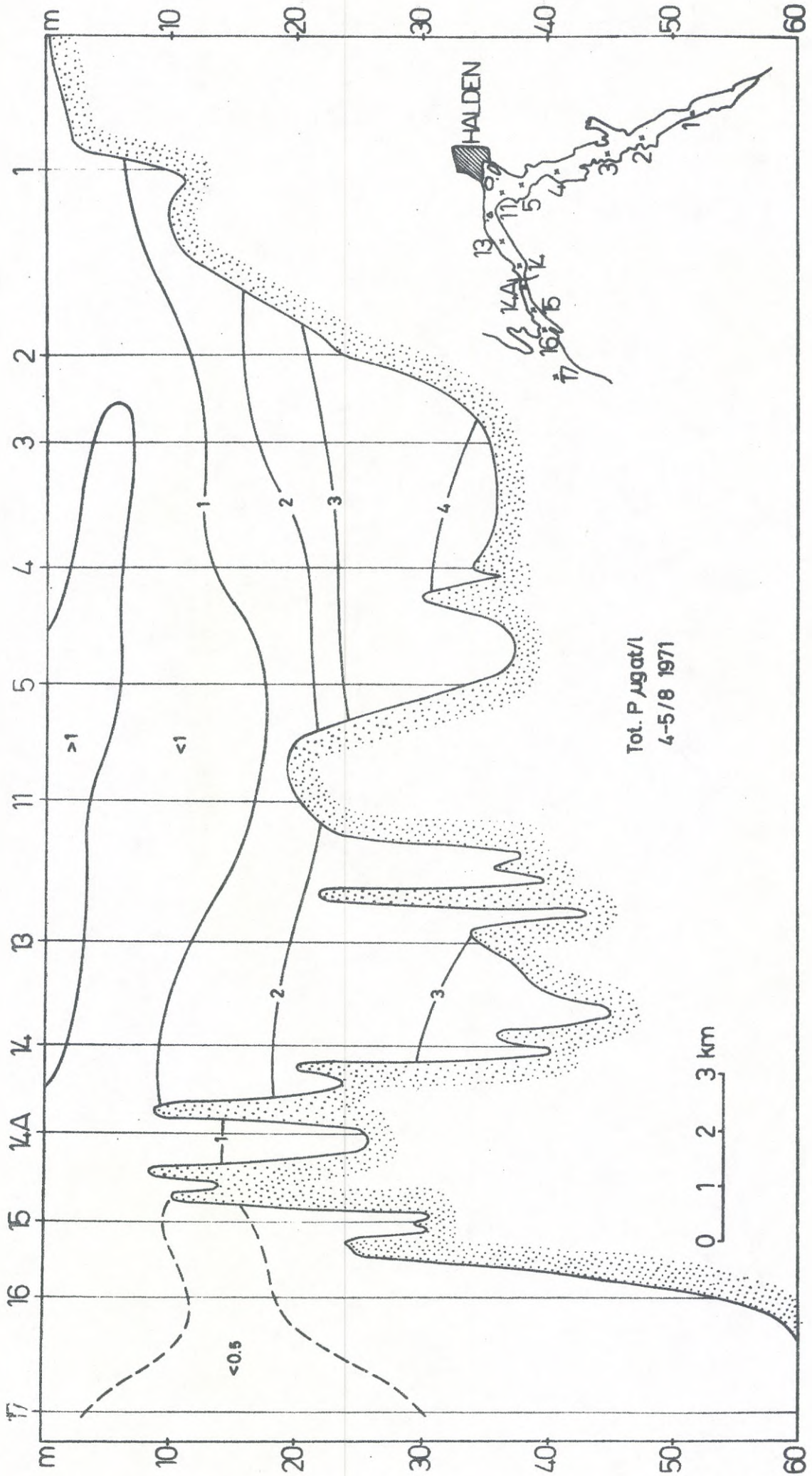


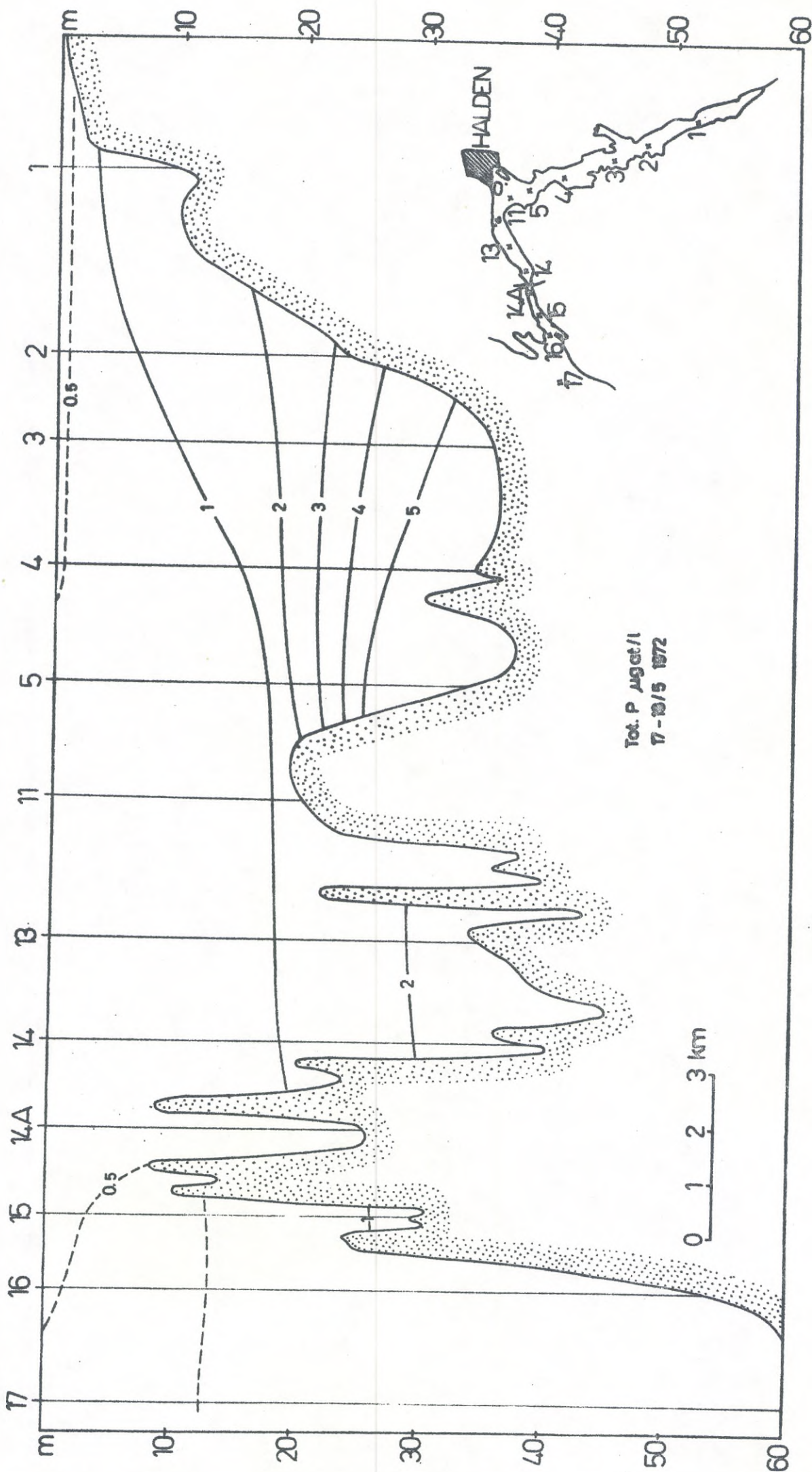


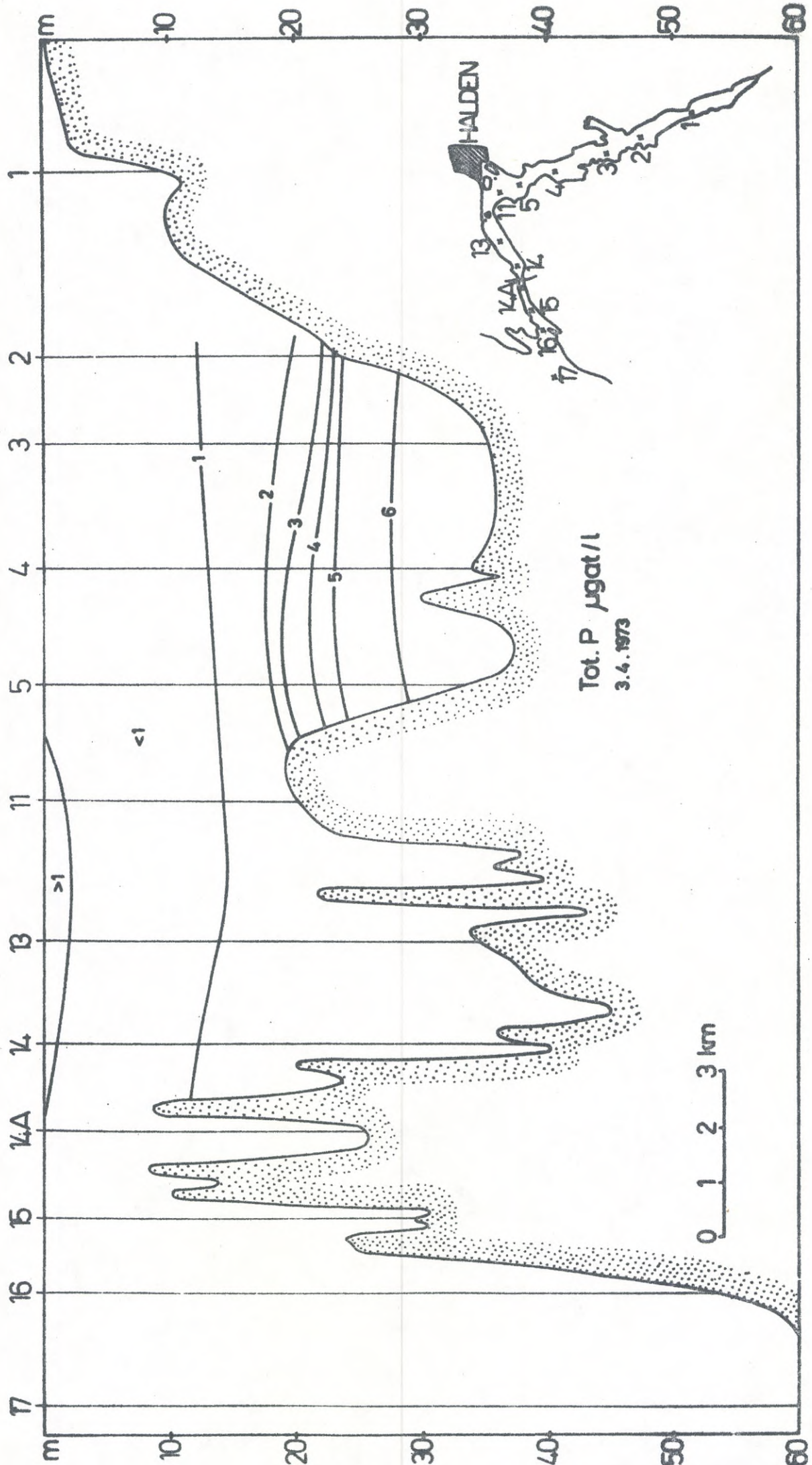


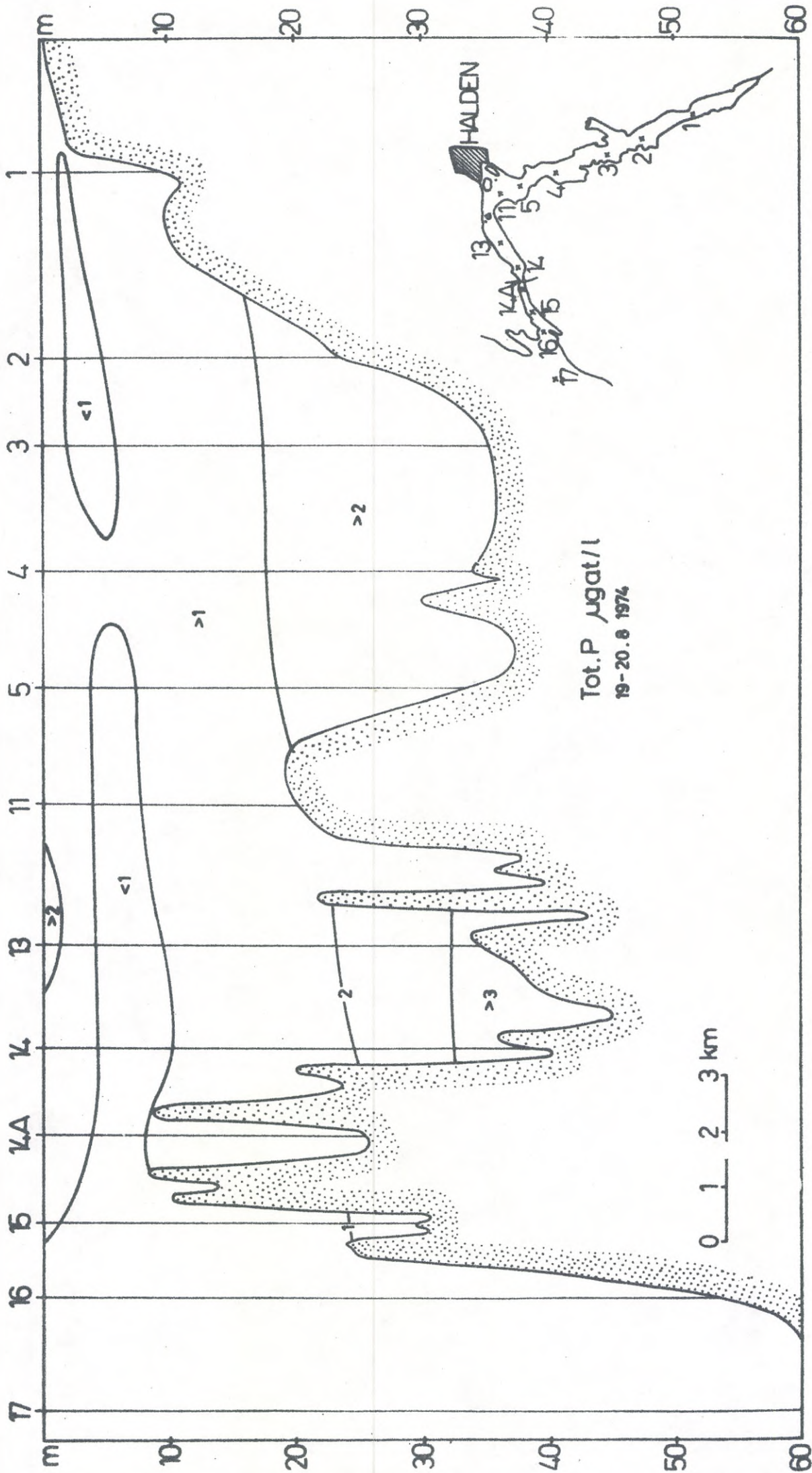


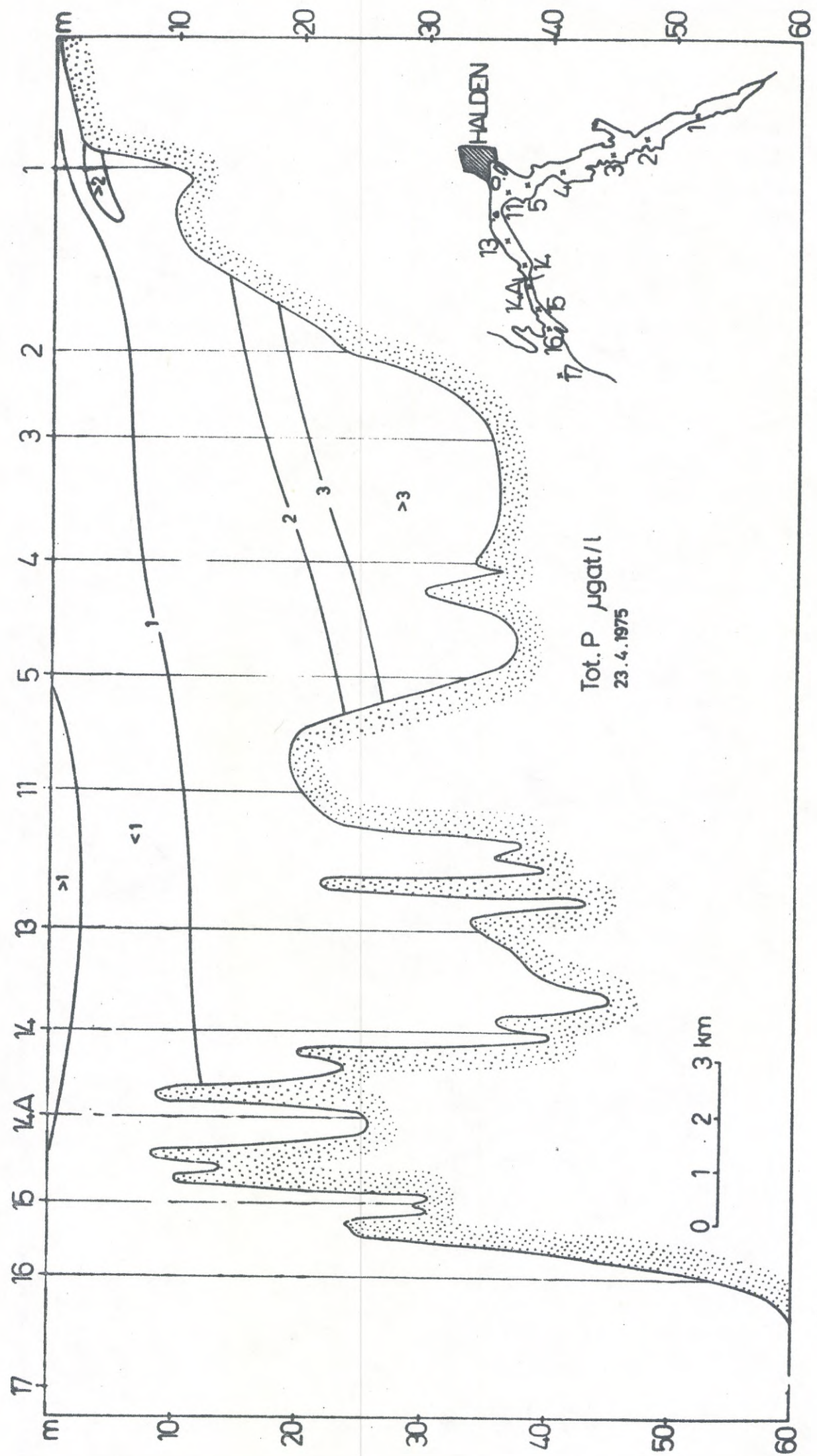






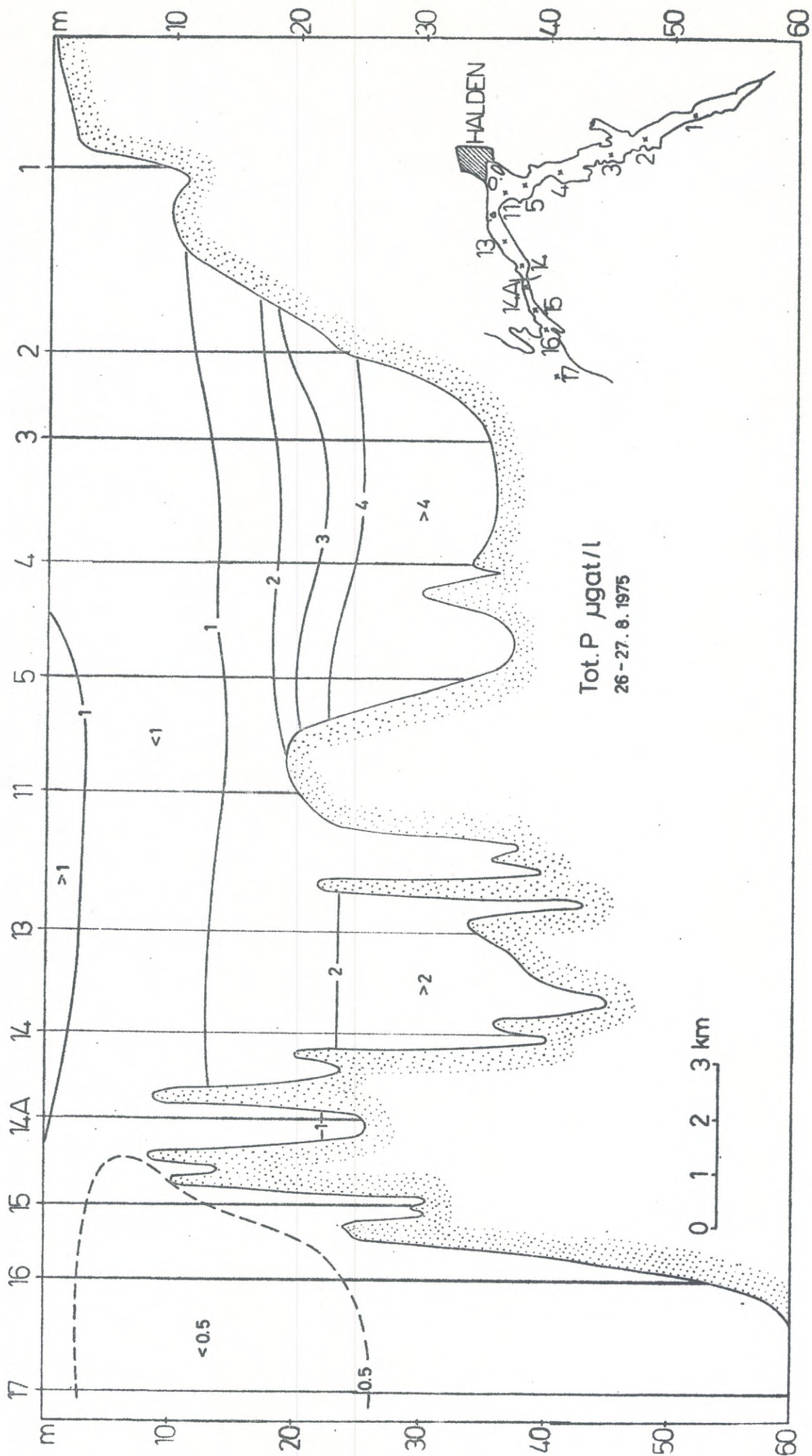


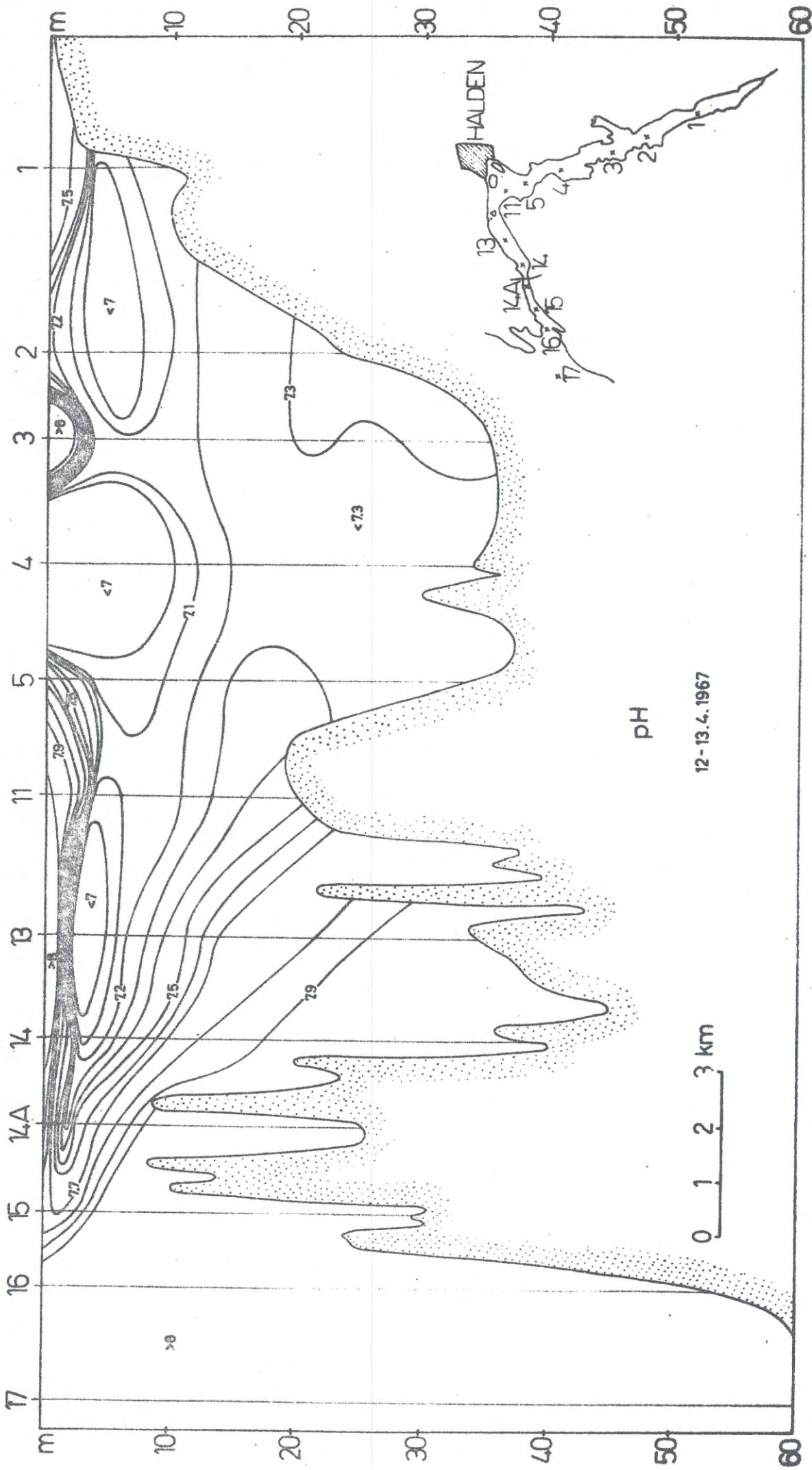




Tot. P  $\mu\text{gat/l}$   
23.4.1975

0 1 2 3 km





pH

12-13.4.1967

0 1 2 3 km



