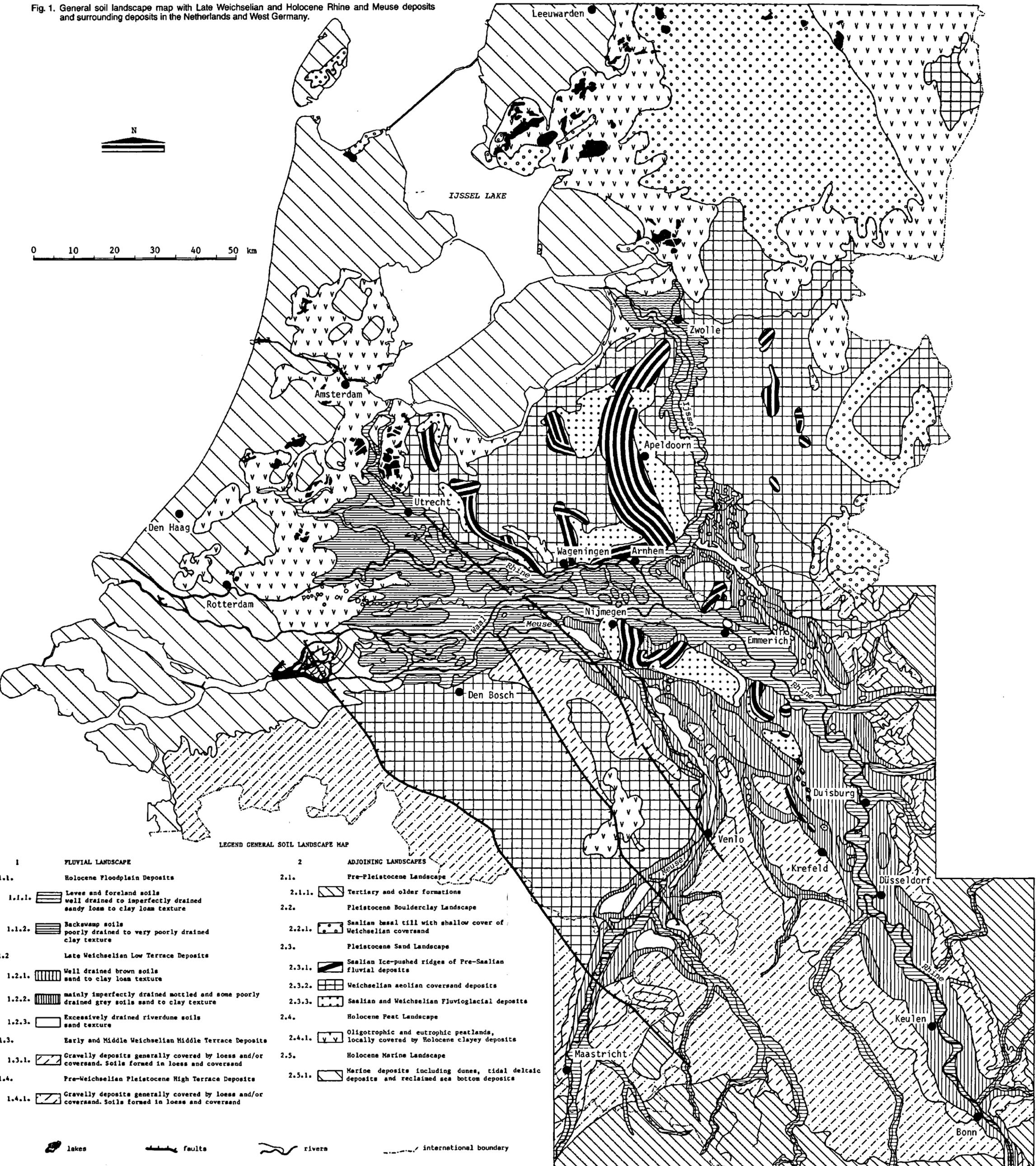
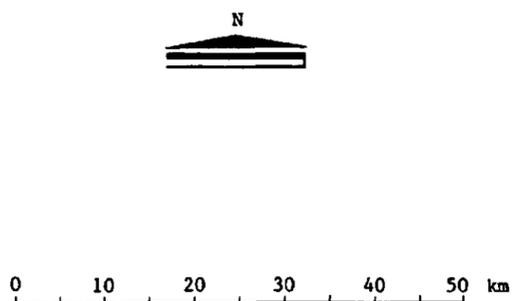


Fig. 1. General soil landscape map with Late Weichselian and Holocene Rhine and Meuse deposits and surrounding deposits in the Netherlands and West Germany.

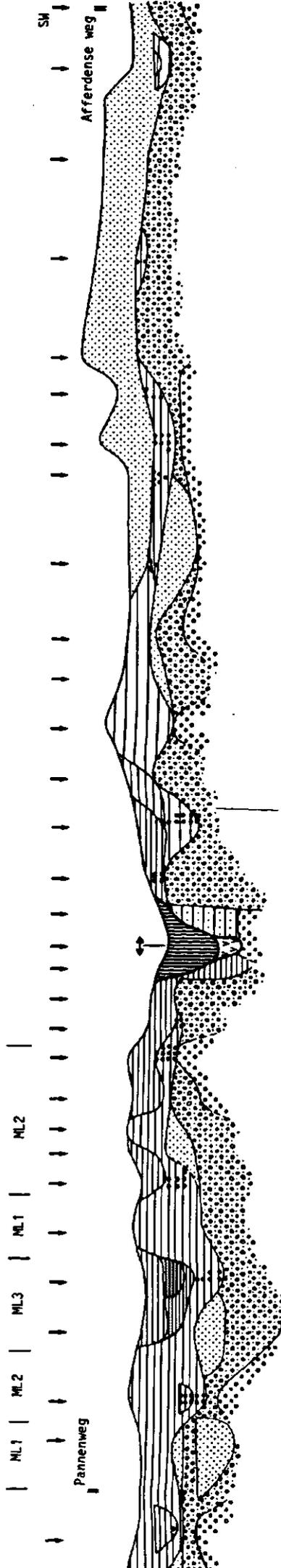


LEGEND GENERAL SOIL LANDSCAPE MAP

- |   |   |
|---|---|
| <p><b>1 FLUVIAL LANDSCAPE</b></p> <p>1.1. Holocene Floodplain Deposits</p> <p>1.1.1. Levees and foreland soils well drained to imperfectly drained sandy loam to clay loam texture</p> <p>1.1.2. Backswamp soils poorly drained to very poorly drained clay texture</p> <p>1.2. Late Weichselian Low Terrace Deposits</p> <p>1.2.1. Well drained brown soils sand to clay loam texture</p> <p>1.2.2. mainly imperfectly drained mottled and some poorly drained grey soils sand to clay texture</p> <p>1.2.3. Excessively drained riverdune soils sand texture</p> <p>1.3. Early and Middle Weichselian Middle Terrace Deposits</p> <p>1.3.1. Gravelly deposits generally covered by loess and/or coversand. Soils formed in loess and coversand</p> <p>1.4. Pre-Weichselian Pleistocene High Terrace Deposits</p> <p>1.4.1. Gravelly deposits generally covered by loess and/or coversand. Soils formed in loess and coversand</p> | <p><b>2 ADJOINING LANDSCAPES</b></p> <p>2.1. Pre-Pleistocene Landscape</p> <p>2.1.1. Tertiary and older formations</p> <p>2.2. Pleistocene Boulderclay Landscape</p> <p>2.2.1. Saalian basal till with shallow cover of Weichselian coversand</p> <p>2.3. Pleistocene Sand Landscape</p> <p>2.3.1. Saalian Ice-pushed ridges of Pre-Saalian fluvial deposits</p> <p>2.3.2. Weichselian aeolian coversand deposits</p> <p>2.3.3. Saalian and Weichselian Fluvio-glacial deposits</p> <p>2.4. Holocene Peat Landscape</p> <p>2.4.1. Oligotrophic and eutrophic peatlands, locally covered by Holocene clayey deposits</p> <p>2.5. Holocene Marine Landscape</p> <p>2.5.1. Marine deposits including dunes, tidal deltaic deposits and reclaimed sea bottom deposits</p> |
|---|---|

lakes    
 faults    
 rivers    
 international boundary





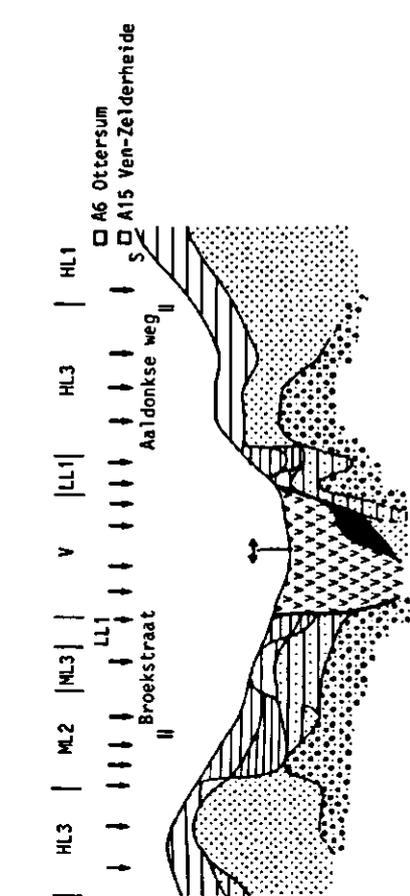
LEGEND CROSS SECTIONS

LATE WEICHSELIAN FLUVIAL DEPOSITS

textural class	% gravel	texture symbol	textural class
clay	-	[diagonal lines]	clay
(sandy) clay loam	-	[horizontal lines]	(sandy) clay loam
(sandy clay) loam	-	[vertical lines]	(sandy clay) loam
sandy loam	-	[dots]	sandy loam
loamy sand	-	[stippled]	loamy sand
sand	<10	[cross-hatch]	sand
very gravelly sand	30-50	[diagonal lines]	very gravelly sand
sandy gravel	>50	[dots]	sandy gravel
sand with clayey laminae	<10	[stippled]	sand with clayey laminae

HOLOCENE PEATY DEPOSITS

texture symbol	textural class
[diagonal lines]	peat
[vertical lines]	clayey peat
[stippled]	peaty clay



OTHER DISTINCTIONS

[dots]	gravel (content 10-30% .., 30-50%..., >50% ....)
[diagonal lines]	shell fragments (freshwater snails)
[horizontal lines]	calcareous
[vertical lines]	partly ripe sticky material ("drift")
[stippled]	pottery sherds
[cross-hatch]	boundary Holocene/Pleistocene deposits
[dashed line]	boundary Aas horizon
[upward arrow]	superings
[downward arrow]	disturbed
[road symbol]	road
[square]	reference profile
[ML2 symbol]	symbol soil map
[P symbol]	palynological sampling

HOLOCENE FLUVIAL DEPOSITS

texture symbol	% gravel	textural class
[diagonal lines]	40-50	(silty) clay
[horizontal lines]	30-40	(silty) clay loam
[vertical lines]	20-30	loam
[stippled]	15-20	sandy loam

LATE WEICHSELIAN/HOLOCENE AEOLIAN DEPOSITS

texture symbol	% gravel	textural class
[diagonal lines]	<2	textural class
[dots]	<8	sand

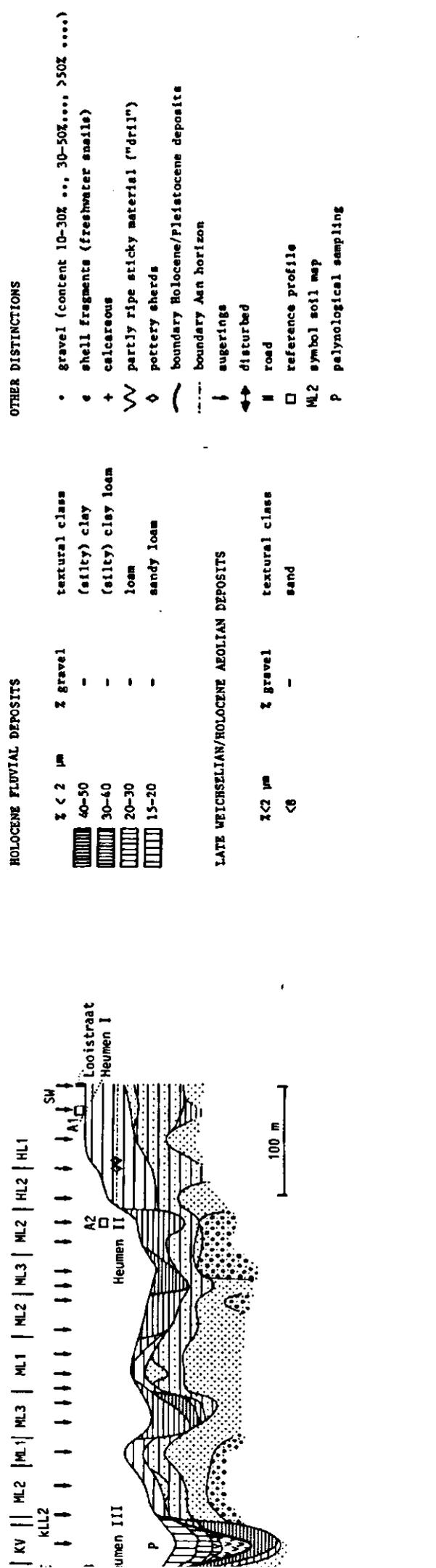
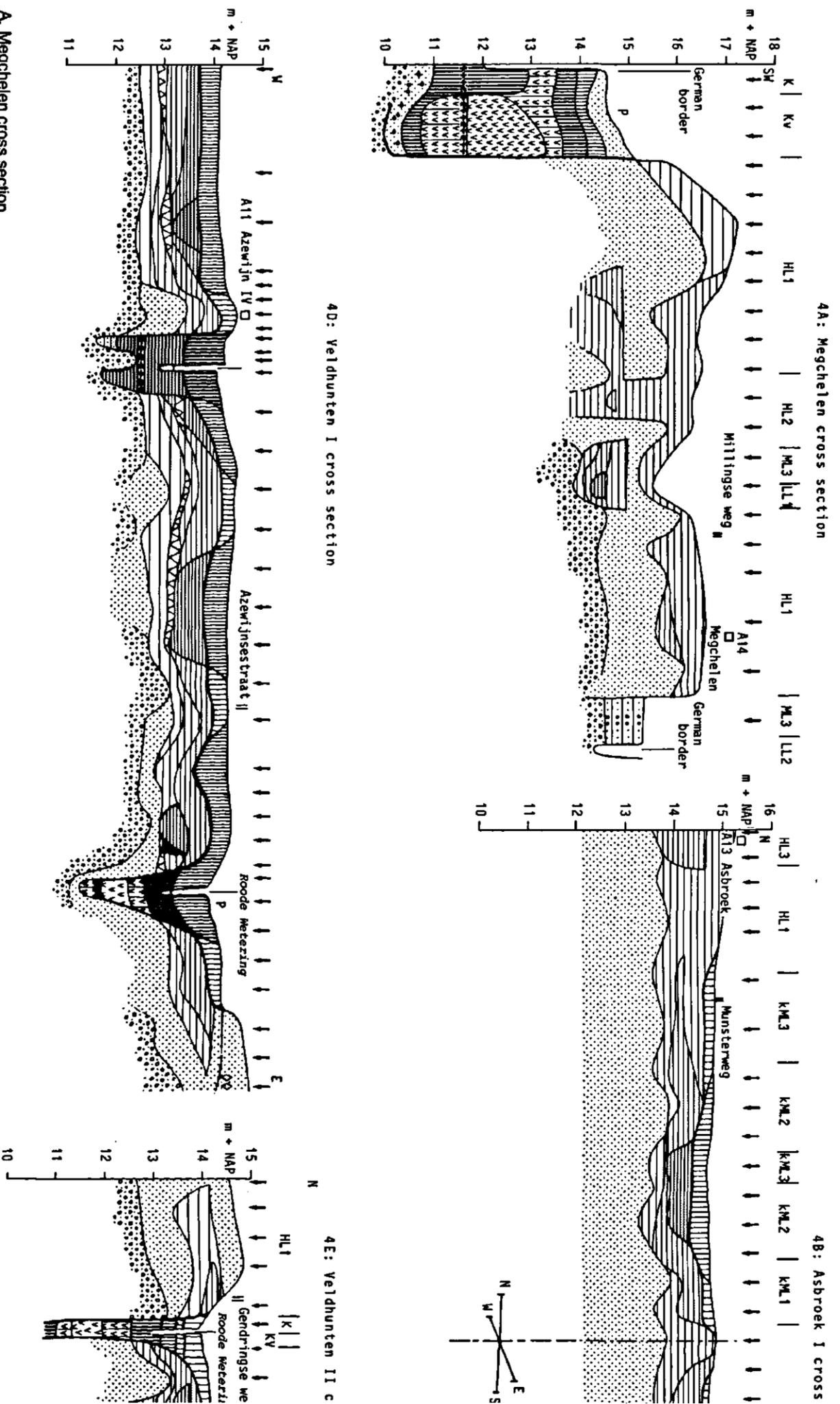


Fig. 4. Cross sections in the former northern branch.



- A. Megchelen cross section
- B. Asbroek I cross section
- C. Asbroek II cross section
- D. Veldhunten I cross section
- E. Veldhunten II cross section

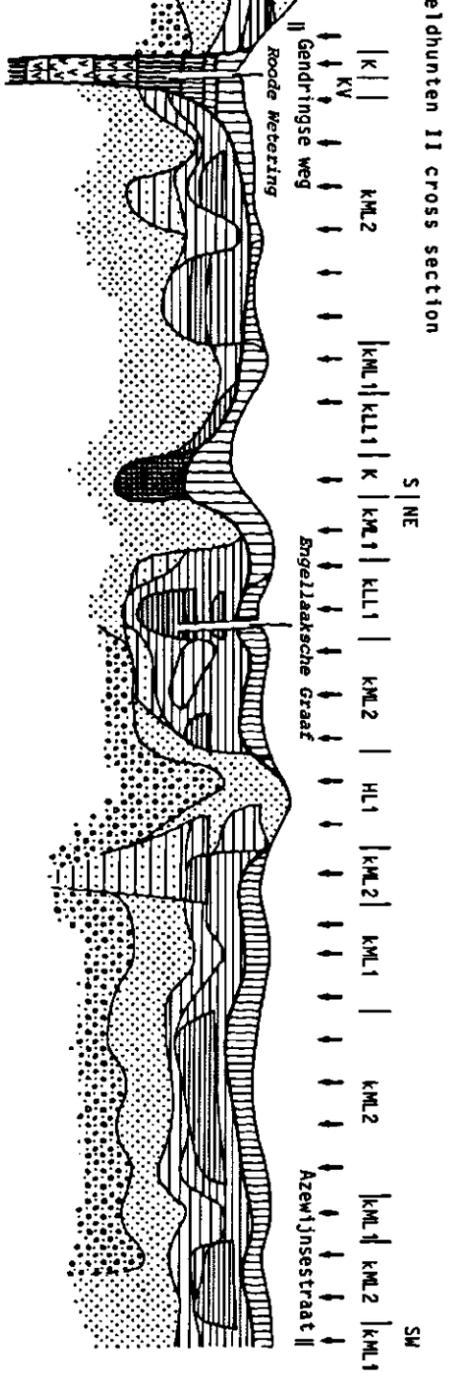
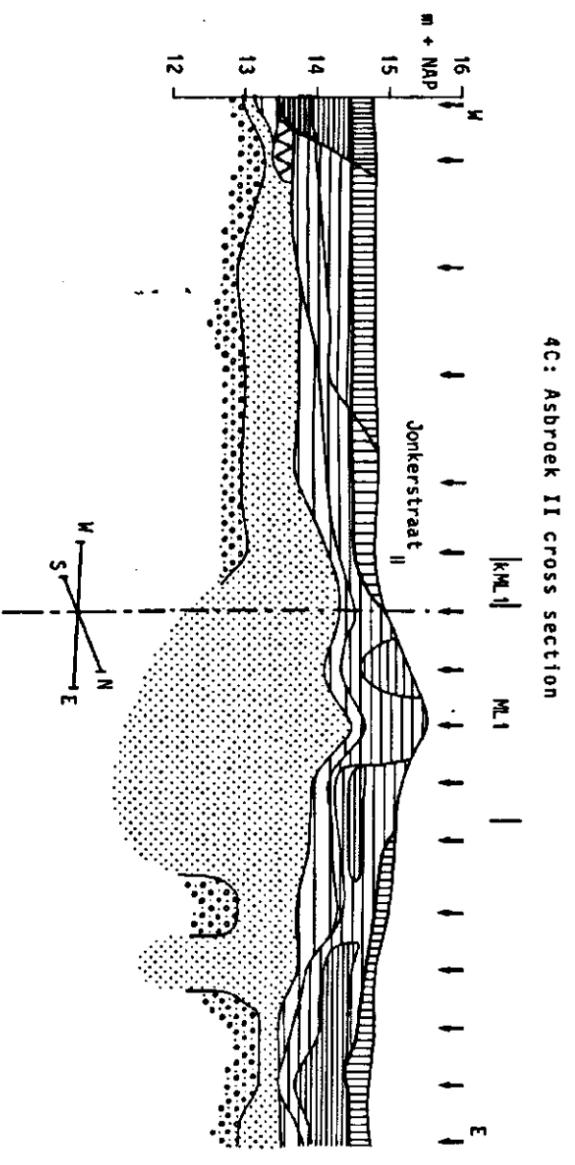
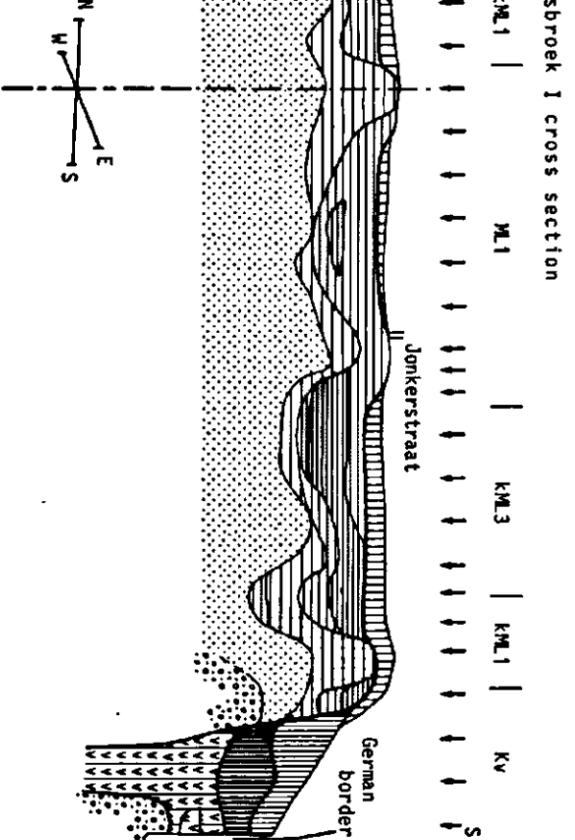


Fig. 10. Pollen diagram of the Heumen channel.

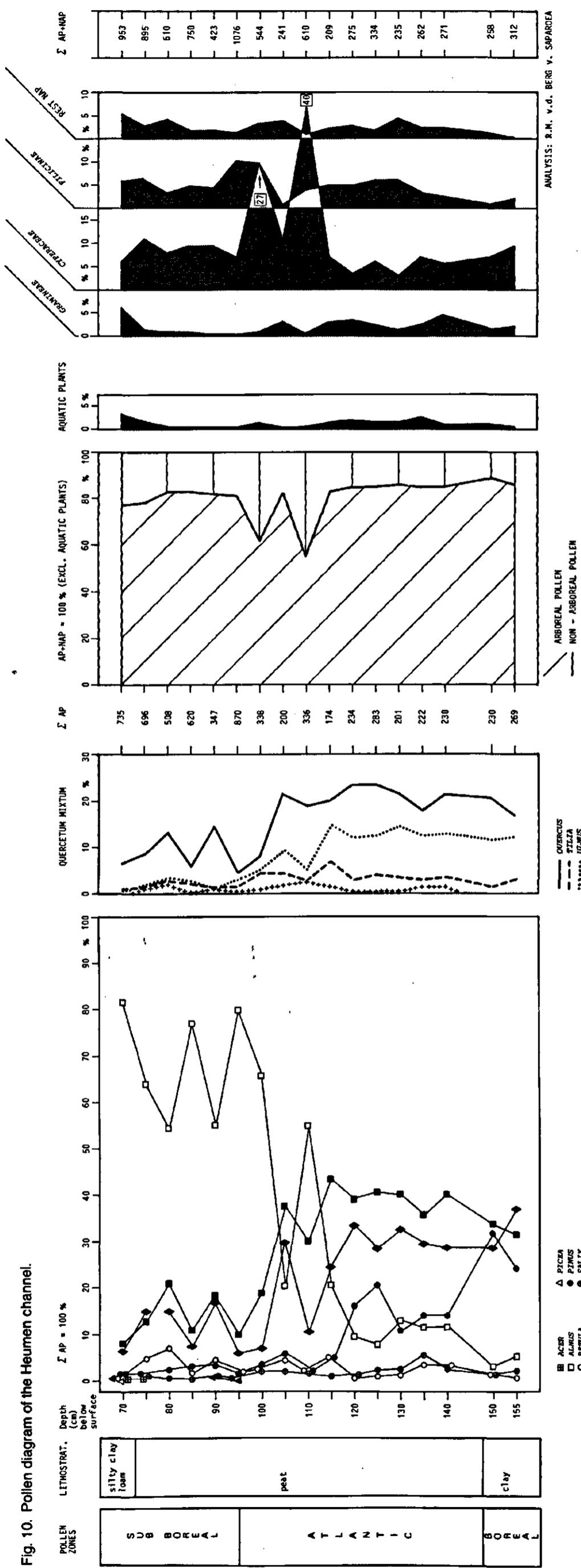
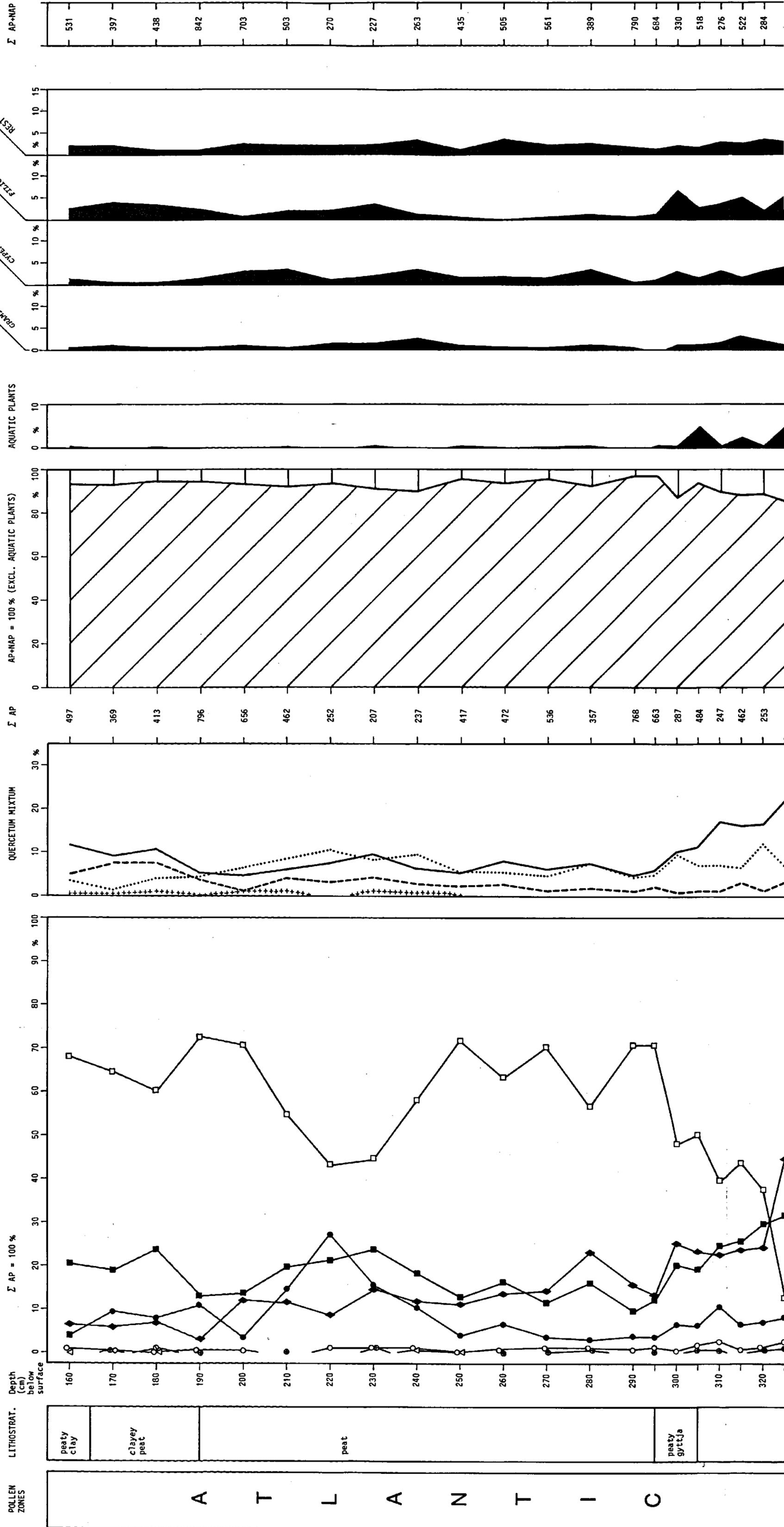
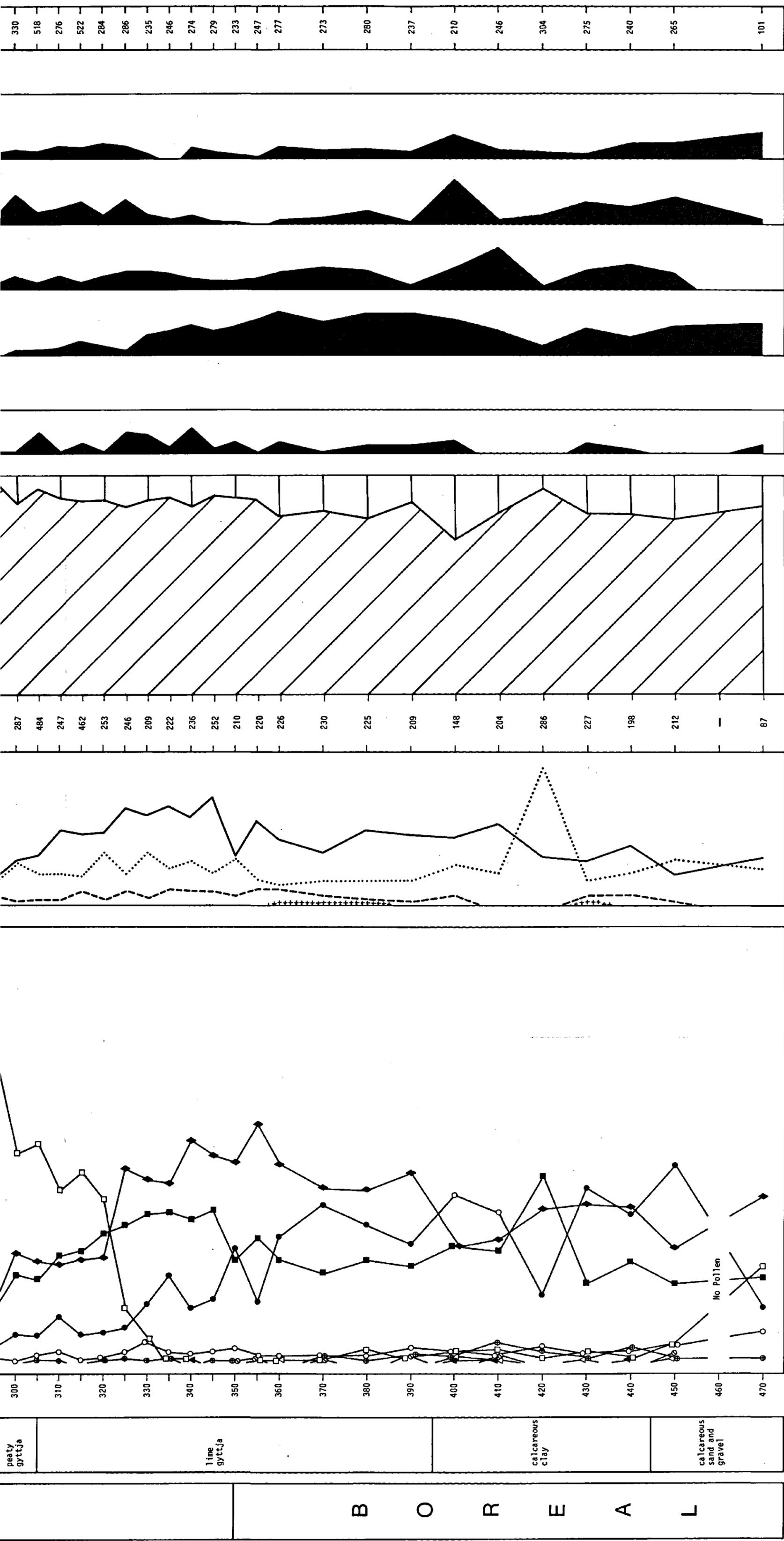


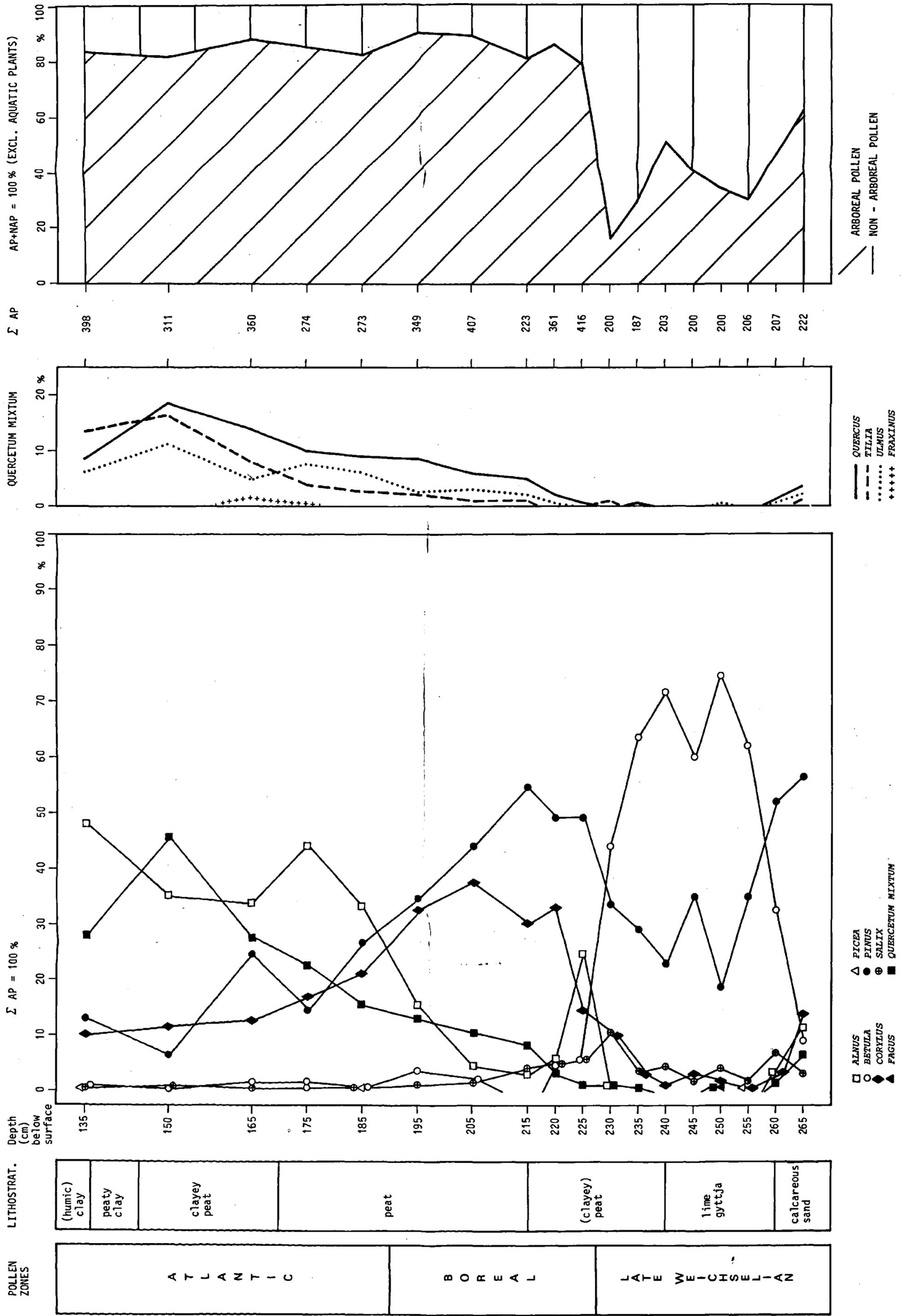
Fig. 11. Pollen diagram of the Megchelen channel (Landwehr).

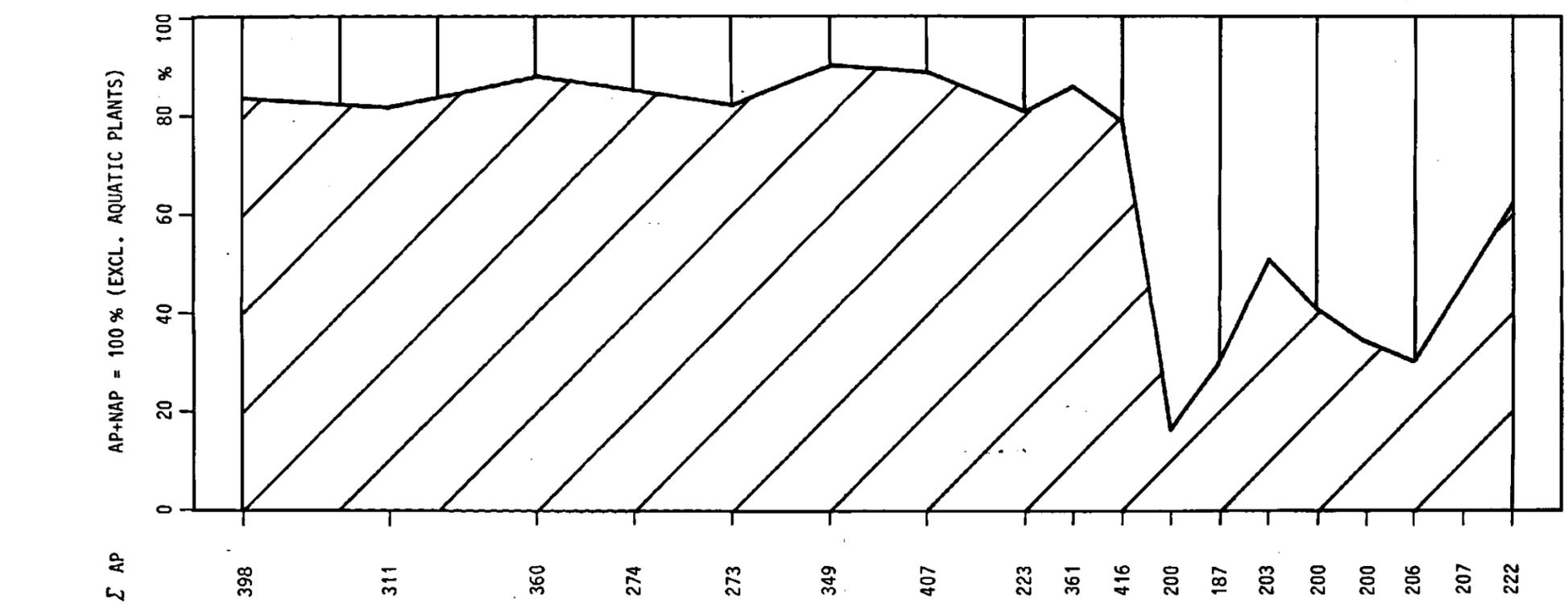
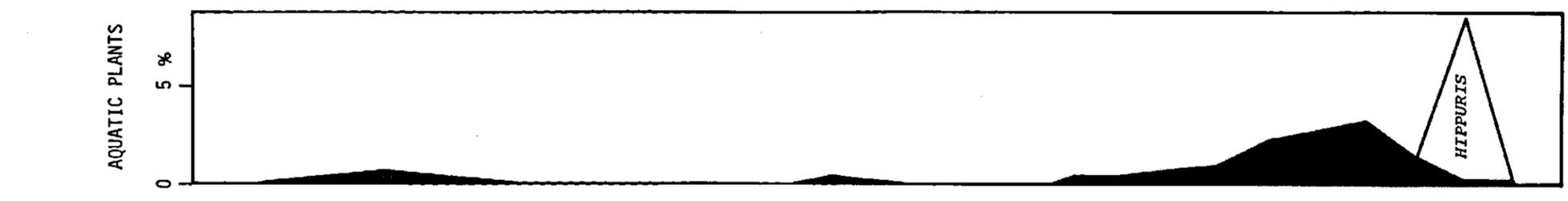
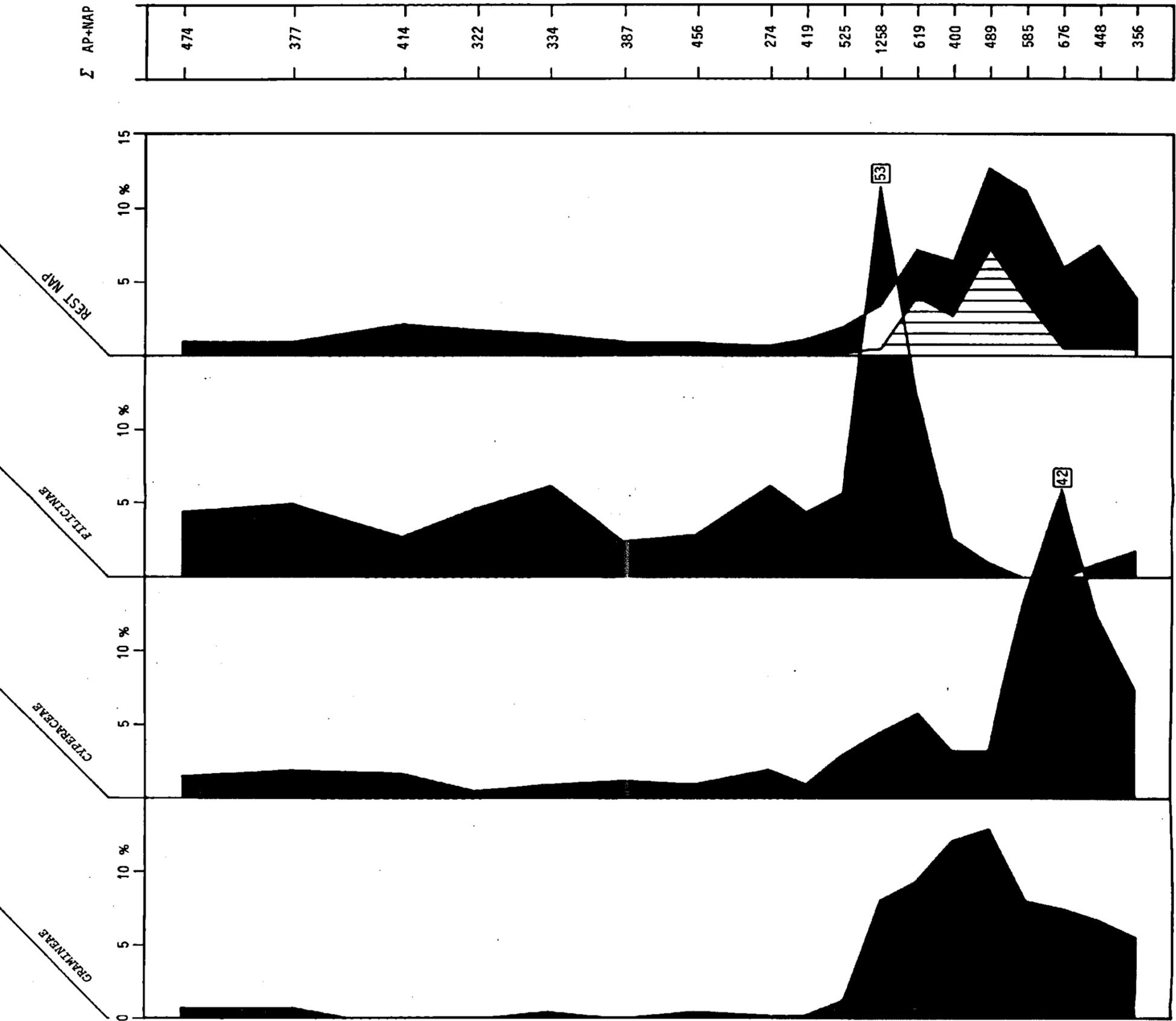




B O R E A L

Fig. 12. Pollen diagram of the Veldhunten channel (Roode Watering).





Σ AP+NAP	474	377	414	322	334	387	456	274	419	525	1258	619	400	489	585	676	448	356
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EQUISETUM

ARBOREAL POLLEN  
NON - ARBOREAL POLLEN