

ENCLOSURES

**ANALECTA
PRAEHISTORICA
LEIDENSIA**

1978



XI



Cyperaceae peat



Complex of lake marl, calcareous gyttja and Cyperaceae peat



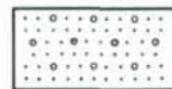
Transition from gyttja to telmatic peat



Calcareous gyttja



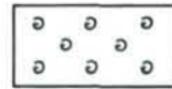
Lake marl



Compact, amorphous carr peat



Sand and gravel



Molluscs

● Pinus

▲ Fagus

○ Betula

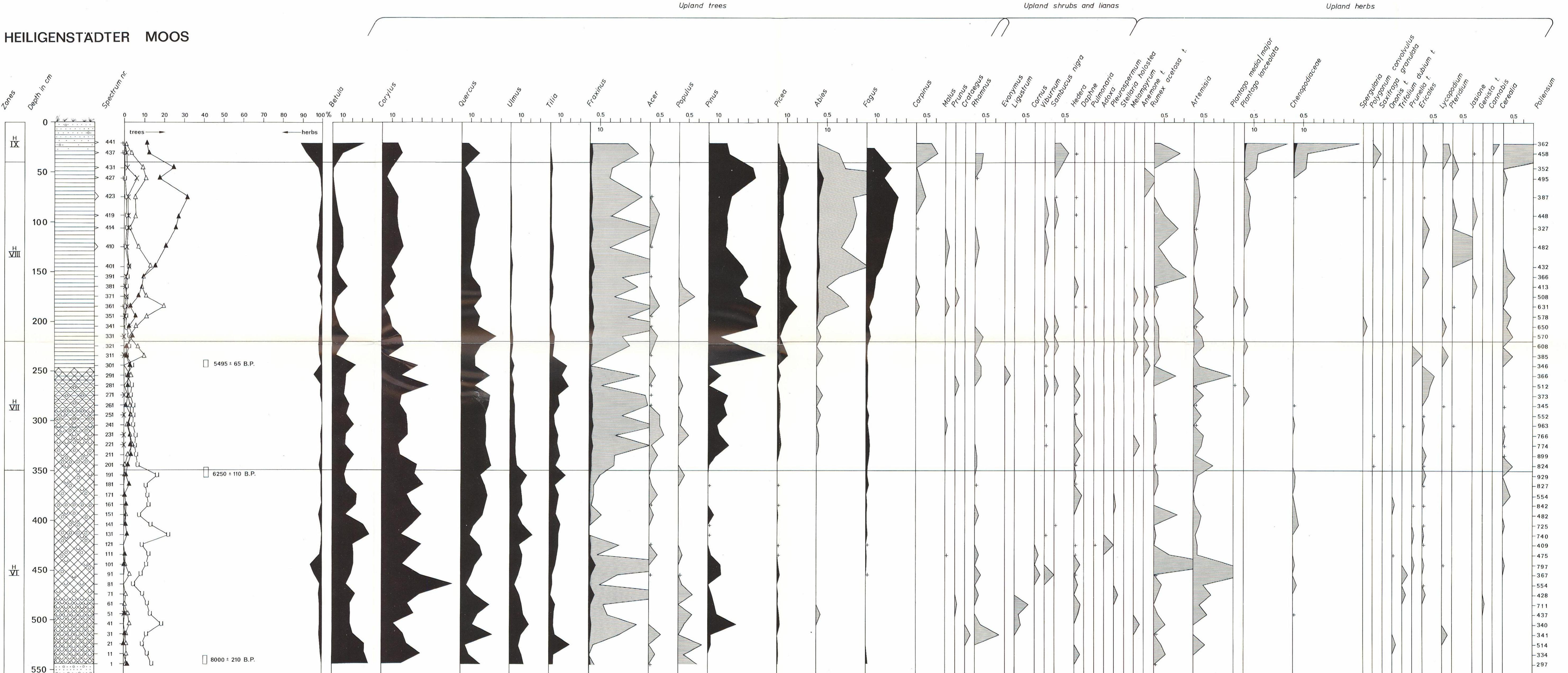
△ Picea

U Ulmus

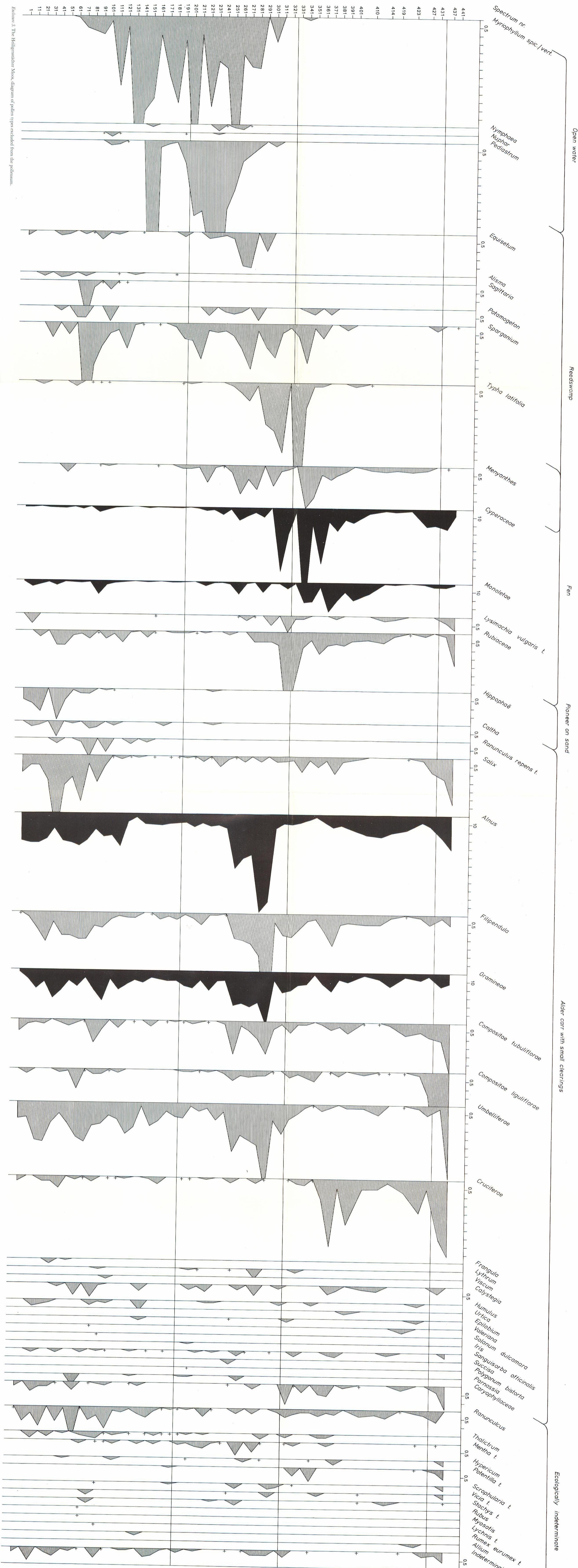
X Abies

Enclosure 1. Legend to the pollen diagrams.

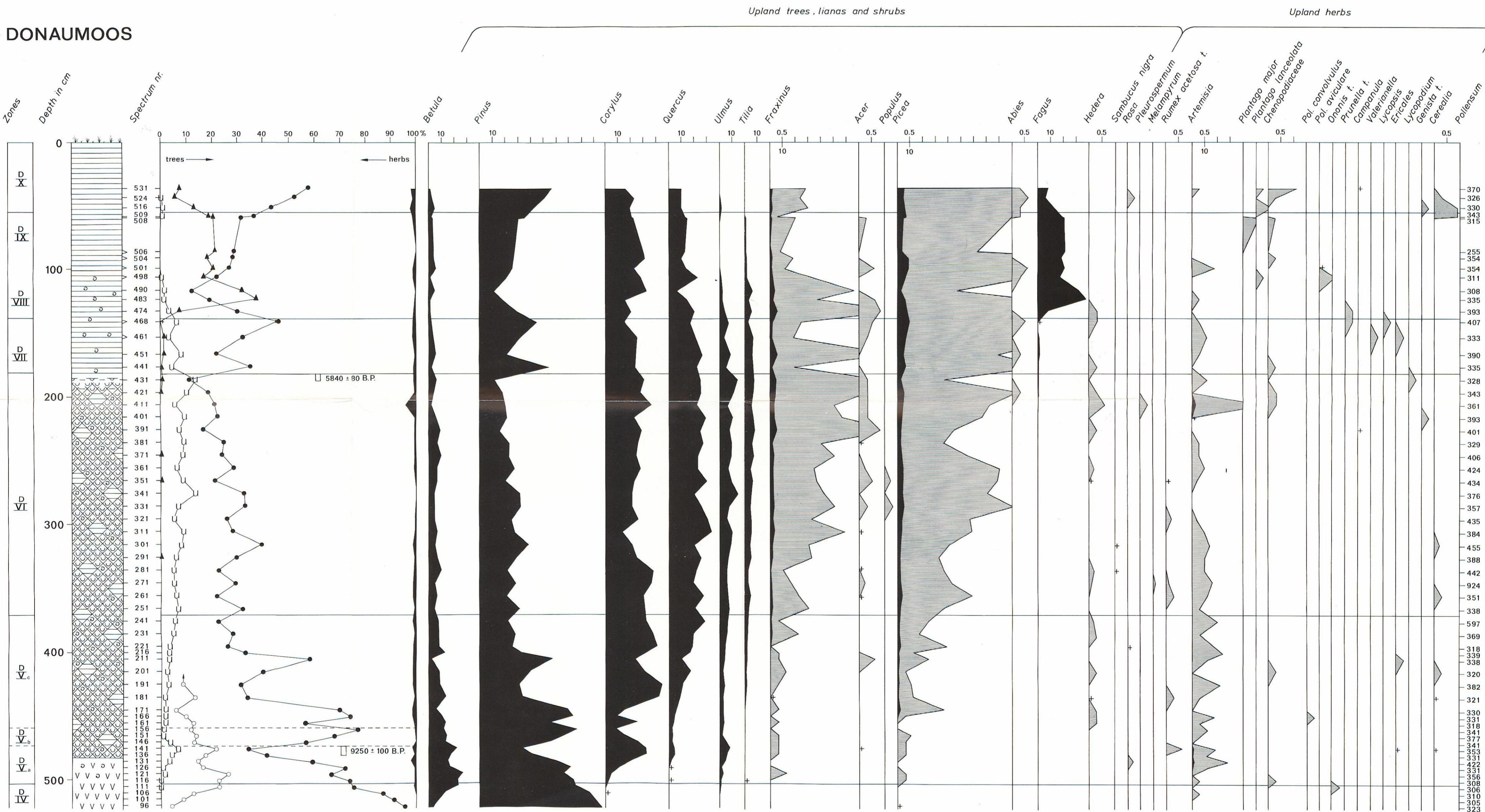
HEILIGENSTÄDTER MOOS



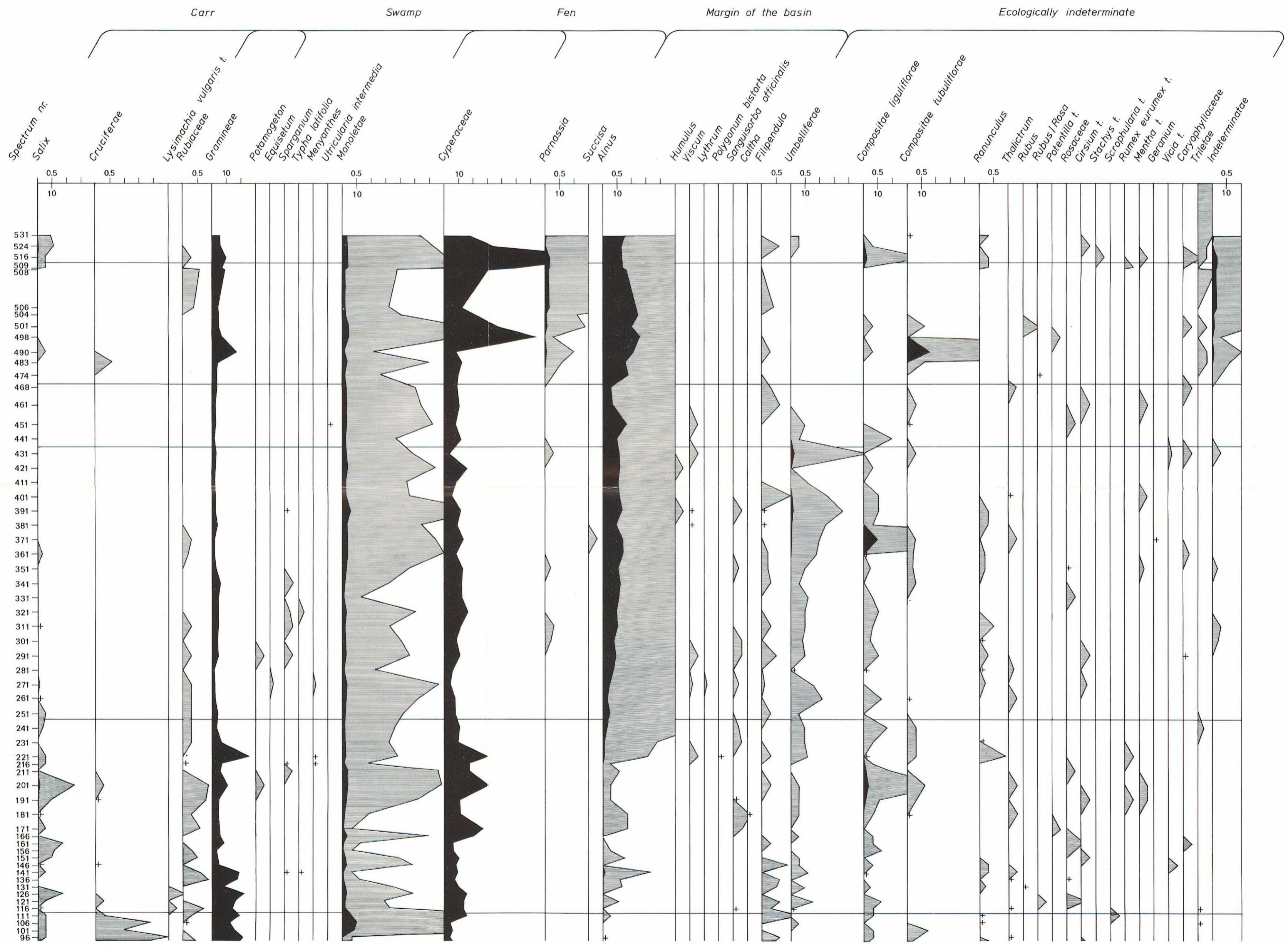
Enclosure 2. The Heiligenstädter Moos, diagram of pollen types included in the pollensum.



DONAUMOOS

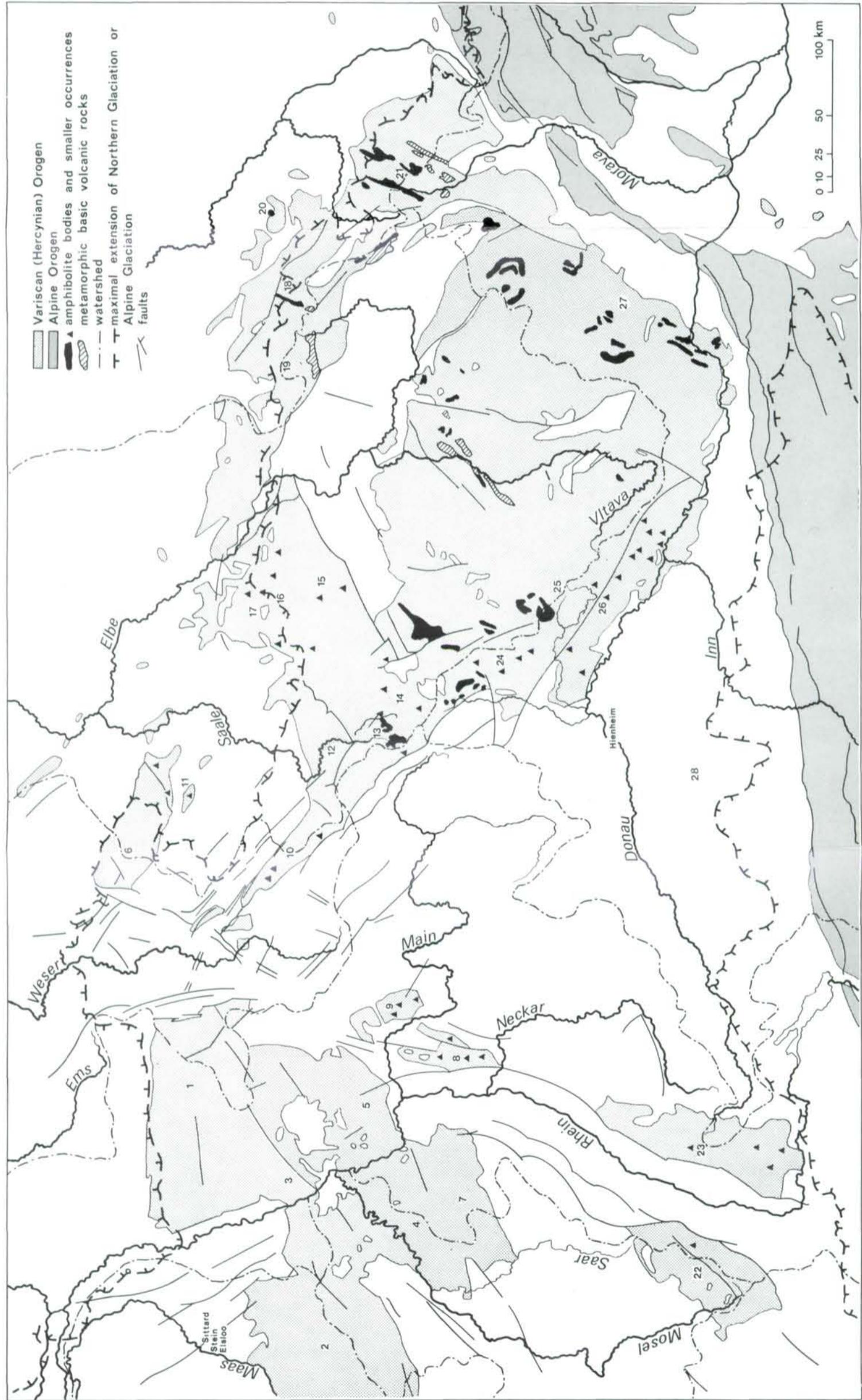


Enclosure 4. The Donaumoos, diagram of pollen types included in the pollensum.

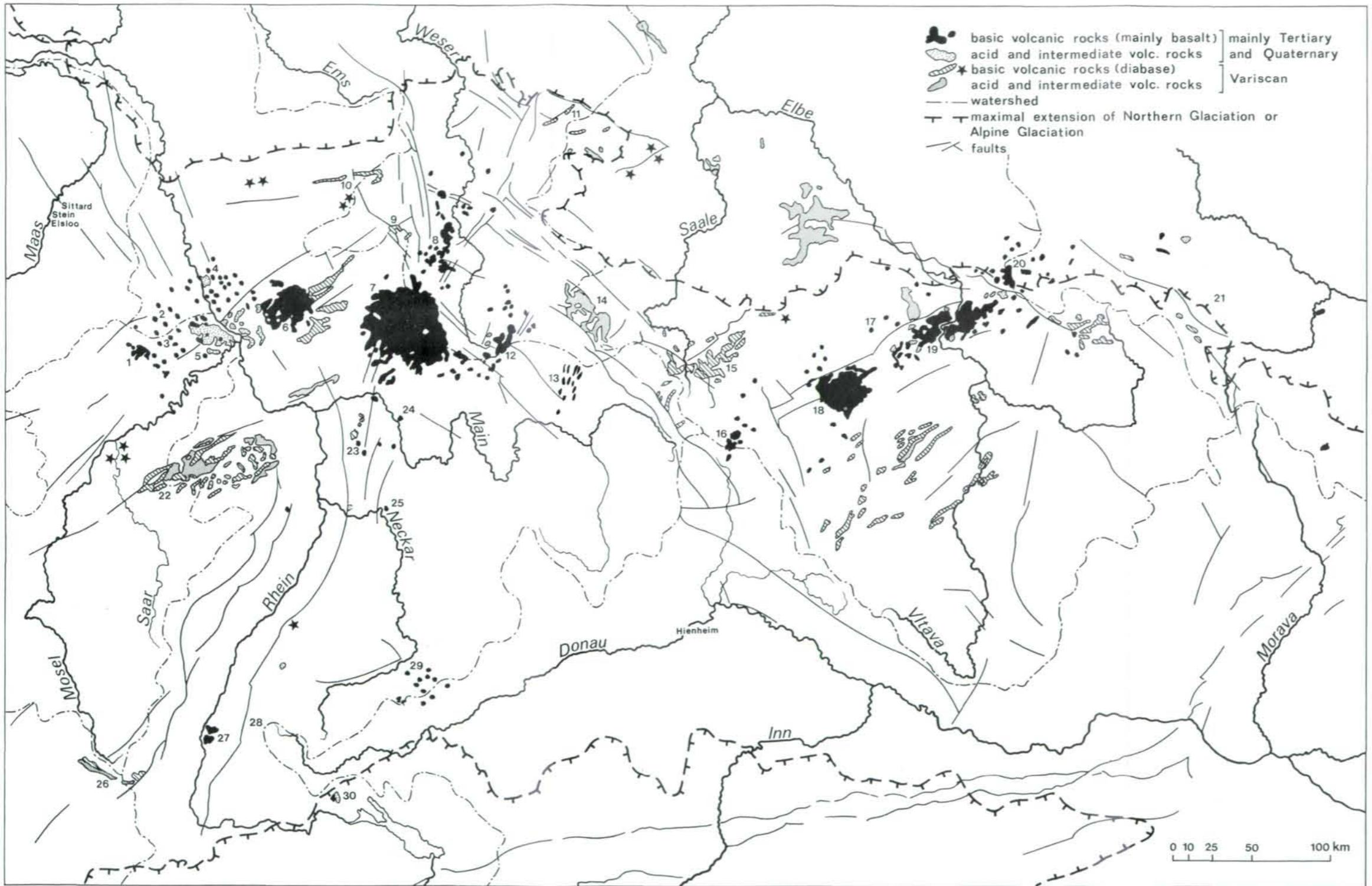


Enclosure 5. The Donaumoos, diagram of pollentypes excluded from the pollensum.

1. Sauerland
 2. Ardennes
 3. Rhenish Schiefergebirge
 4. Hunsrück
 5. Taunus
 6. Hartz
 7. Saar-Nahe
 8. Odernwald
 9. Spessart
 10. Thüringer Wald
 11. Kyffhäuser
 12. Thüringer Schiefergebirge
 13. Münchberger Mass
 14. Fichtelgebirge
 15. Erzgebirge (Krušné Hory)
 16. Frankenwalder Zwischengebirge
 17. (Sächsische) Granulitgebirge
 18. Sudeten Range
 19. Krkonoše, Karkonosze (Riesengebirge)
 20. Sobočka (Zobten)
 21. Rychlebské Hory (Reichensteiner Gebirge) and Hrubý Jeseník
 (Altvater Gebirge)
 22. Voges
 23. Schwarzwald (Black Forest)
 24. Oberpfälzer Wald
 25. Český Les (Bohemian Forest or Bohemian Forest)
 26. Bayerischer Wald (Bavarian Forest)
 27. Moravia



Enclosure 6. Amphibolites from Central European sources.



1. Westeifel
2. Nordeifel
3. Hoh Eifel
4. Siebengebirge
5. Laacher See
6. Westerwald
7. Vogelsberg
8. Nordhessen (Northern Hessen)
9. Kellerwald
10. Sauerland
11. Harz
12. Rhön
13. Heldburger Schar
14. Thüringer Wald
15. Thüringer Schiefergebirge
16. Reichsförst
17. Erzgebirge (Krušné Hory)
18. Doupovské Hory (Duppauer Gebirge)
19. České Středohoří (Böhmisches Mittelgebirge)
20. Lausitz
21. Silezia
22. Saar-Nahe
23. Odenwald
24. Spessart
25. Katzenbückel
26. Vosges
27. Kaiserstuhl
28. Schwarzwald
29. Uracher Vulkangebiet
30. Hegau

Enclosure 7. Basaltic rocks in Central Europe.

Table 22: Qualitative mineralogical composition and other petrographic properties of amphibolitic artefacts from Hienheim (Bavaria, Germany) and Elsloo and Stein (Southeastern Netherlands).

findnr.	petrographic properties	mineral constituents		mineral and rock properties										photomicrograph (fig. nr. in text)	find numbers											
				opaque/ore mineral	hornblende	plagioclase	quartz	fabric			concentrations	dispersed	sheaf-like arrangement	aggregates with bushy outlines	relatively coarse-grained porphyroblasts (often at random)	dispersed (and fine-grained)	layers, patches	porphyroblastic	dispersed	layers, patches	mosaic pattern	foliated (generally very weak)	layered	folded	cross-cutting veins fractures, crenulation	average grain size (without porphyroblasts, veins, etc.)
		titaniite	brown hornblende blue-green hornblende	epidote/clinozoisite	biotite	chlorite	muscovite/sericite																			
H 344	++	++	brown hornblende blue-green hornblende	epidote/clinozoisite	biotite	chlorite	muscovite/sericite	quartz	plagioclase	concentrations	dispersed	sheaf-like arrangement	aggregates with bushy outlines	relatively coarse-grained porphyroblasts (often at random)	dispersed (and fine-grained)	layers, patches	porphyroblastic	dispersed	layers, patches	mosaic pattern	foliated (generally very weak)	layered	folded	cross-cutting veins fractures, crenulation	average grain size (without porphyroblasts, veins, etc.)	
H 183-1	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	?	++	++	++	++	++	++	++	f
H 359*	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	47
H 699	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	43
H 764-1	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	44
H 530*	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	45
H 266	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 1083	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 182-2	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 292-1	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 206*	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 929	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 1062	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 1063-2	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 721-2	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 685*	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 1140-1	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 1082-1	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 718*	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
H 919	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
St 115-1	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
E 444	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
E 334-1	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
E 111	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
E 154	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
St 163	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
St 48	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42
St 168	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	42

} main constituent
+ accessory constituent
• relatively important property
○ relatively subordinate property
average grain sizes:
c relatively coarse grained
m relatively medium grained
f relatively fine grained
* Not LBK.

Table 23: Qualitative mineralogical composition and other petrographic properties of basaltic implements from Elsloo and Stein (Southeastern Netherlands)

■ phenocrysts (many) □ few

+ main constituent

— accessory constituent

average grain sizes: relativ

average grain sizes. Relative

relative

- relative important property

- subordinate property

e grained f

medium grained m

medium grained m
large grained s

