Supplement to
Negendank et al.
The Meerfelder Maar lake Deposits
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Tab. 1. : MEERFELDER MAAR
Drilling B 4

STRATIGRAPHY and sequence of the lake sediments in B 4

POLLENZONES

Core-No. ①
Loss of core

② undifferentiated
not visible layered mud
upper boundary of varvite

Loss of core ③
BOREAL
lower boundary of varvite
PREBOREAL
DRYAS 3

④
ALLERÖD

⑤
'DRYAS 2'
'BÖLLING'

⑥ ⑦ ⑧ ?

⑨
WEICHSEL HIGH GLACIAL PERIOD (?)

⑩ ?

⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳

Chironomids	planctonic Cladoceras (Daphnia, Bosmina)	littoral Cladoceras (Chydoridae)
essentially littoral Taxa no indication of oligotrophy dominant: Tanytarsus, Glyptotendipes, Dicrotendipes, Microtendipes, Cricotopus	high abundance Bosmina longirostris (missing or rare: Daphnia)	Increase of the number of species, no indication of oligotrophy dominant: Alona costata + rectangula, Pleuroxus trigonellus, Graptoleberis testudinana, Chydorus sphaericus, Alonella exigua
Increase of the number of species, essentially littoral Taxa dominant: Paratanytarsus, Tanytarsus, Cricotopus, Psectrocladius, Microtendipes	high abundance Daphnia (missing or rare: Bosmina longirostris)	poor in species, 'subarctic' dominant: Chydorus sphaericus, Acroperus harpae, Alona rectangula, Alonella nana
		poor in species dominant: Chydorus sphaericus, Alona rectangula, Alona affinis, Leydigia quadrangularis
poor in species dominant: Diamesa (running waters), Paracladopelma nigritula, Micropsectra	no	no

CRUSTACEANS OSTRACODES

autochthonous limnic

littoral species of eutrophic lakes, rich in plants

Cytherissa lacustris (oligotrophic, oligothermophilic)

Candona meerfeldiana (oligothermophilic)

Tertiary Fauna and Flora

Cysts of dinoflagellates

Cordosphaeridium inodes	Cordosphaeridium cantharellum	Glaphyrocysta aff. intricata	Chiropteridium lobospinosum	Chiropteridium sp. indet.	Chiropteridium dispersum	Gonyaulacysta sp. indet.	Hystrichosphaeridium tubiferum	Impletosphaeridium multispinosum	Impletosphaeridium sp. indet.	Spiniferites ramosus	Spiniferites ramosus var. membranaceus	Spiniferites ramosus var. gracilis	Spiniferites pseudofurcatus	Homotryblium abbrevatum	
															polymorphic Foraminifers indet. / Bolivina cf. melettica / Hanzawaia amphisyliensis
															Hanzawaia amphisyliensis