

EOCENE/OLIGOCENE BOUNDARY FORMATIONS IN THE SUBSURFACE
EXCAVATIONS OF THE ÓBUDA TRANSPORT-CONSTRUCTIONS

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Summary

Borehole-profiles drilled along the line of the planned underground tunnel in Óbuda /northern Budapest/ were investigated in this paper. The boreholes penetrated a sequence of Buda Marl, Tard Clay and Kiscell Clay of Eocene - Oligocene age, containing the boundary of the two epochs.

Three rock-types of the Tard Clay have been separated, each corresponding to different sea-bottom environments in the time of their genesis.

The age of the Buda Marl has been determined as Late Priabonian /NP 19-20 nannoplankton zones/, and the Tard Clay is of Early Kiscellian /Globorotalia postcretacea planktonforaminifera zone and NP 21-23 nannoplankton zones/. The age of the Kiscell Clay can be considered as Late Kiscellian [=Rupelian/, corresponding to NP 24 nannoplankton zone. All timing dates are based on foraminifera and nannoplankton investigations, and the detailed results will be published later.