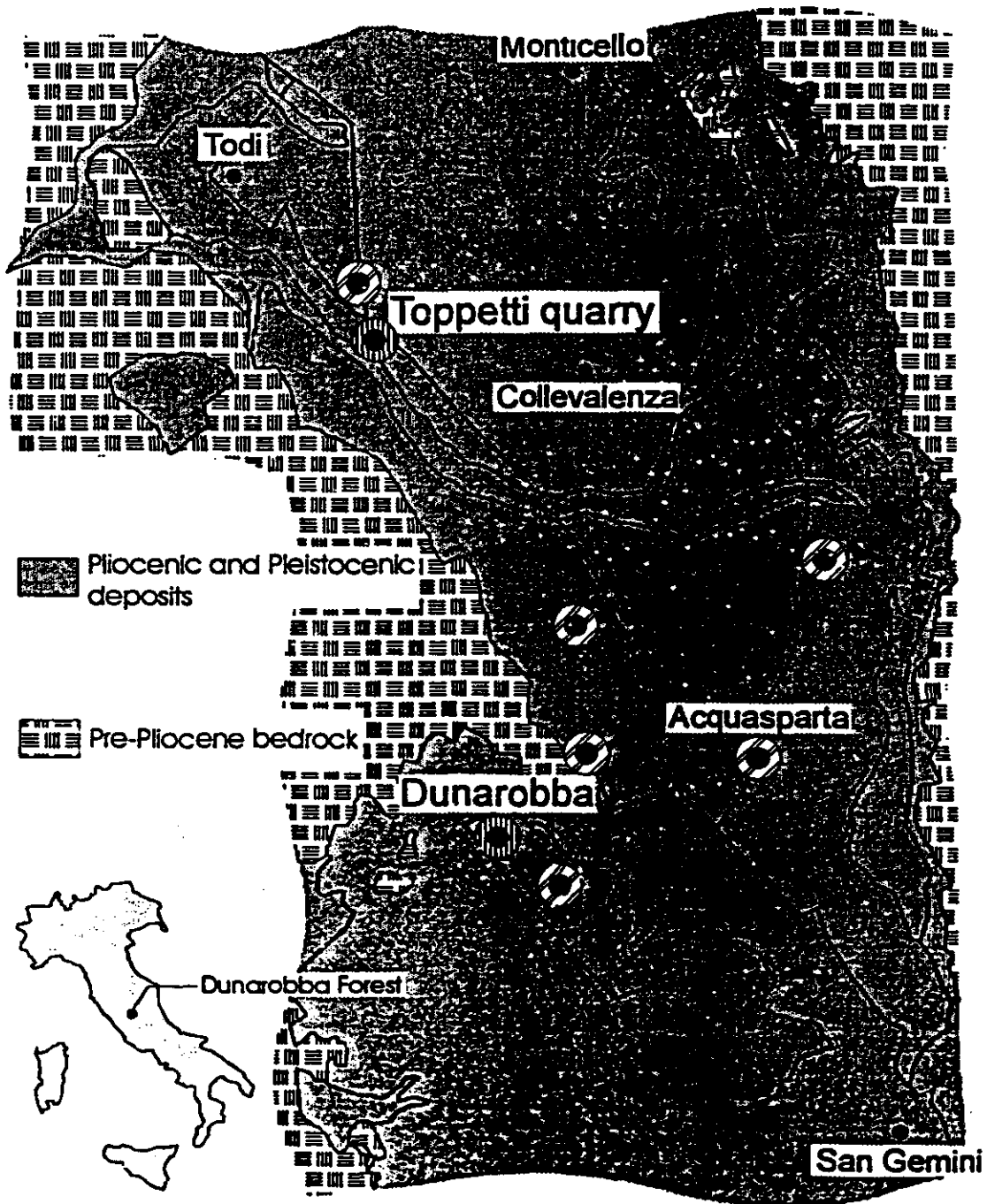


CLAY SEALING

DUNNAROBA FOSSIL
TREES

☉ Main findings of lignite

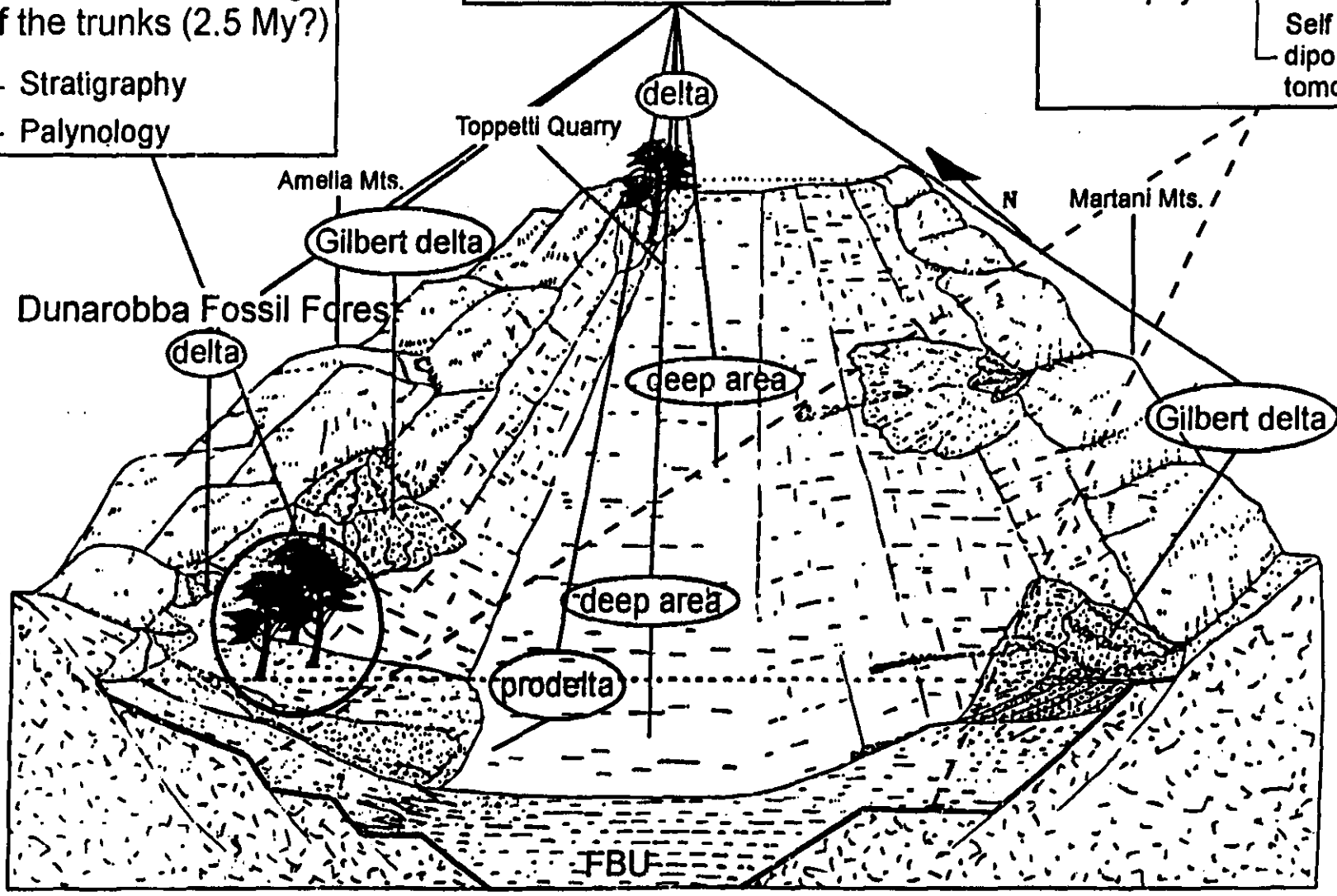
⊙ Unaltered wood findings



Classification and age of the trunks (2.5 My?)
├ Stratigraphy
└ Palynology

Depositional environment
└ Sedimentology

Geometry of the basin
├ Geophysics
└ Gravimetry
 ├ Self potential
 └ dipole-dipole tomographies







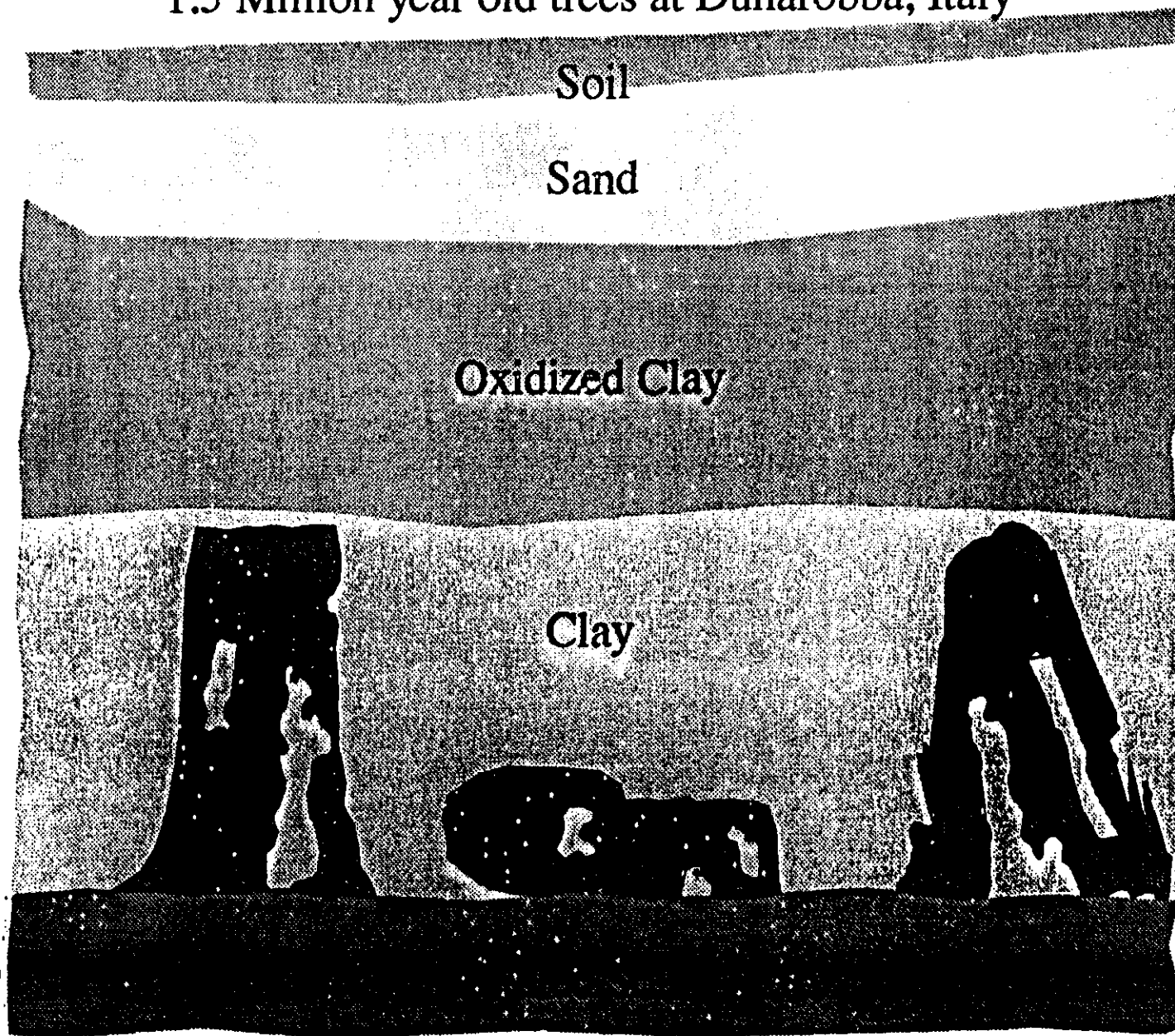
1.5 Million year old trees at Dunarobba, Italy

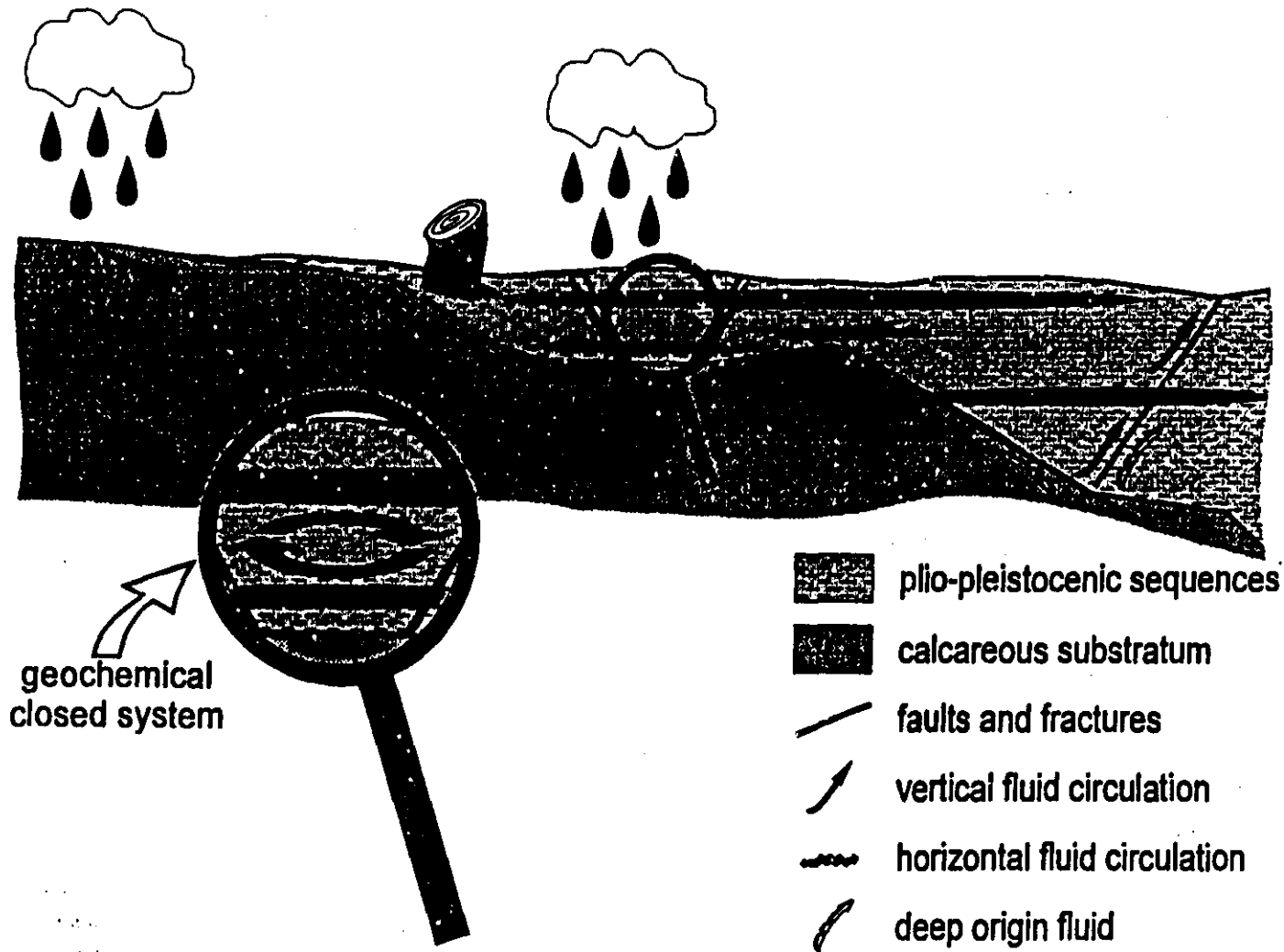
Soil

Sand

Oxidized Clay

Clay









CONCLUSIONS

FOSSIL TREES

-  Clay is an effective physical barrier to water movement on a >1 Ma time scale.
-  Clay can provide an effective geochemical medium for controlling oxidation.