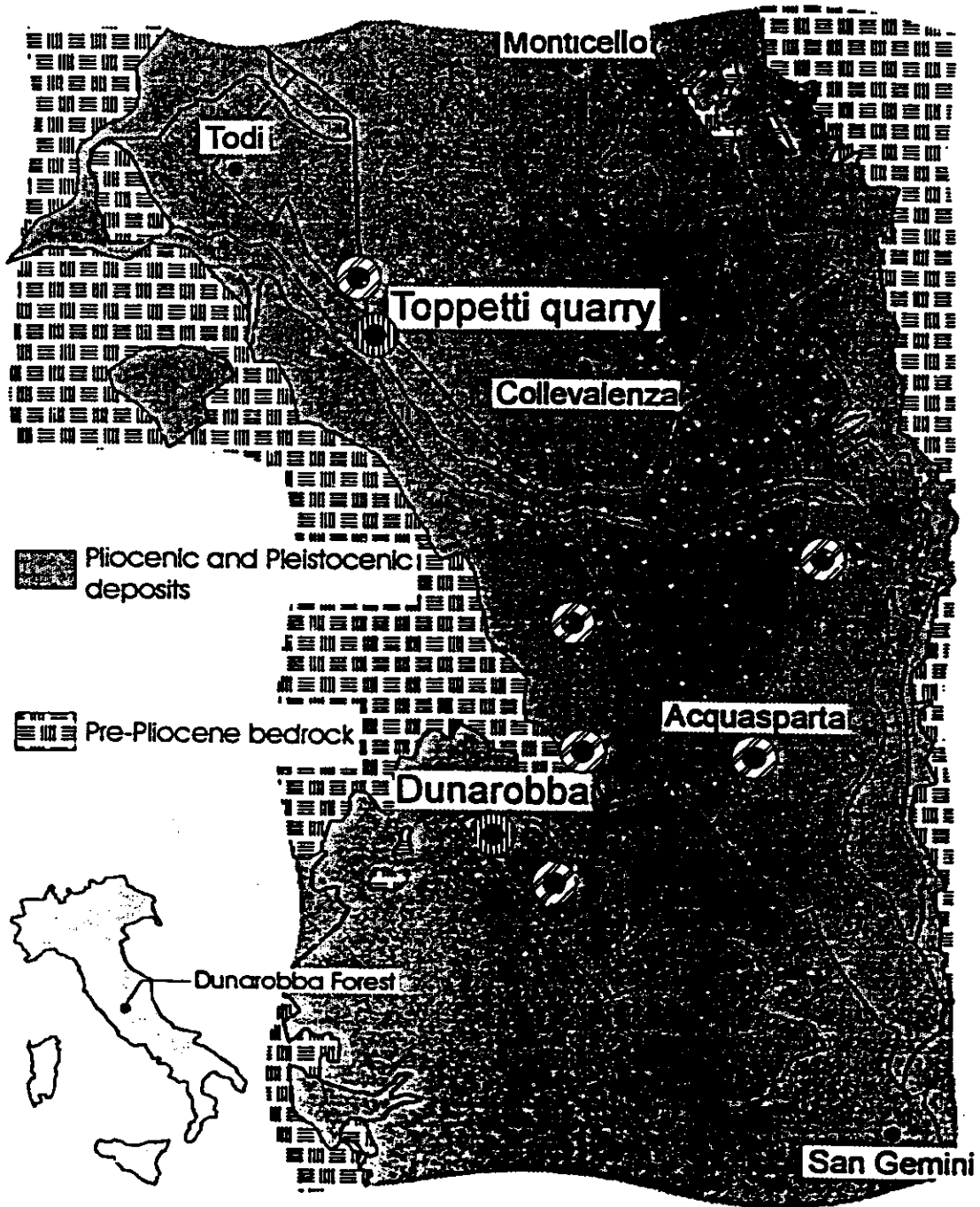


CLAY SEALING

DUNNAROBA FOSSIL
TREES

● Main findings of lignite

● Unaltered wood findings



Classification and age of the trunks (2.5 My?)

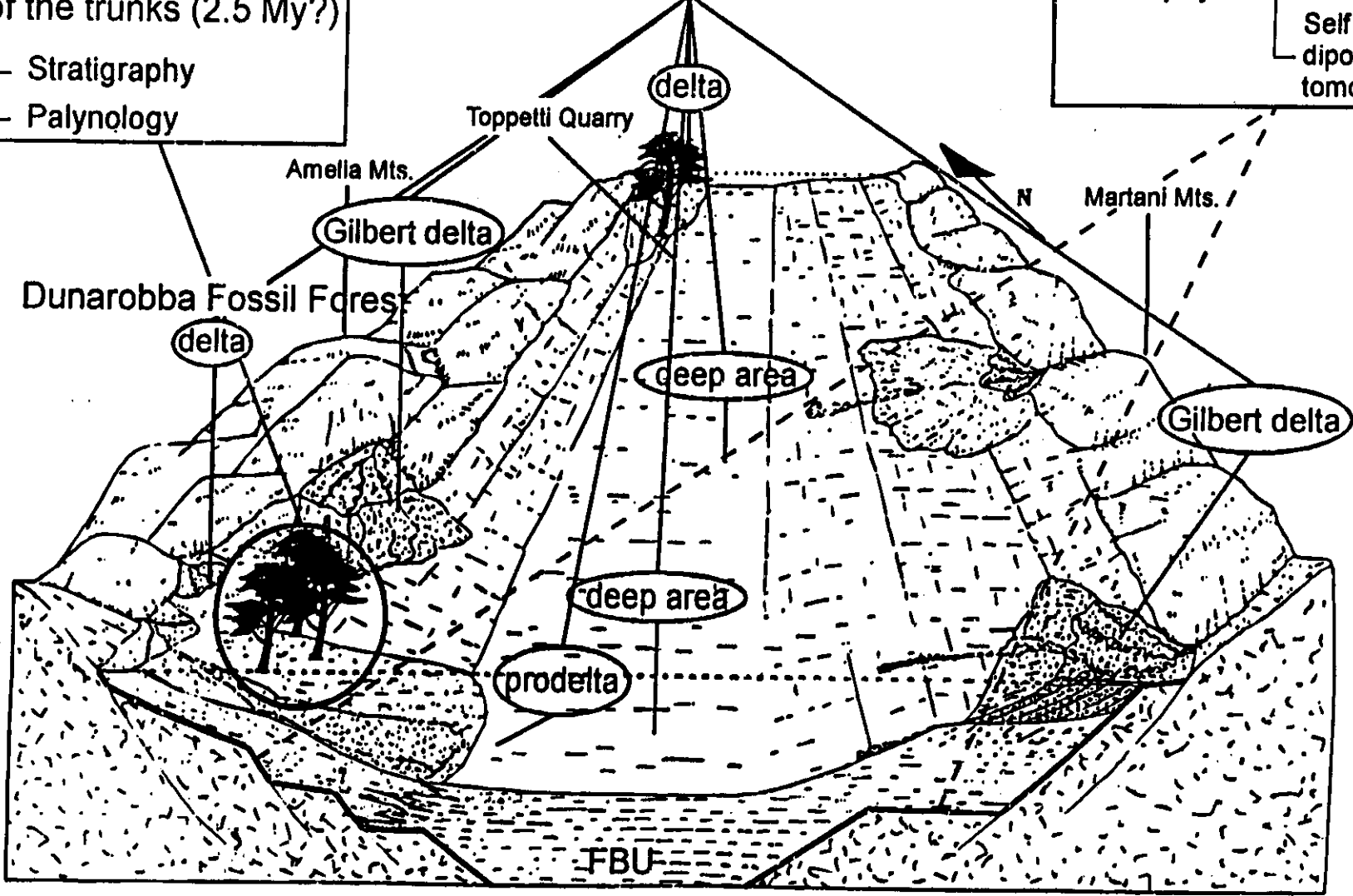
- Stratigraphy
- Palynology

Depositional environment

- Sedimentology

Geometry of the basin

- Geophysics
 - Gravimetry
 - Self potential/dipole-dipole tomographies





1. The view from the top of the hill looking down towards the valley.

1940



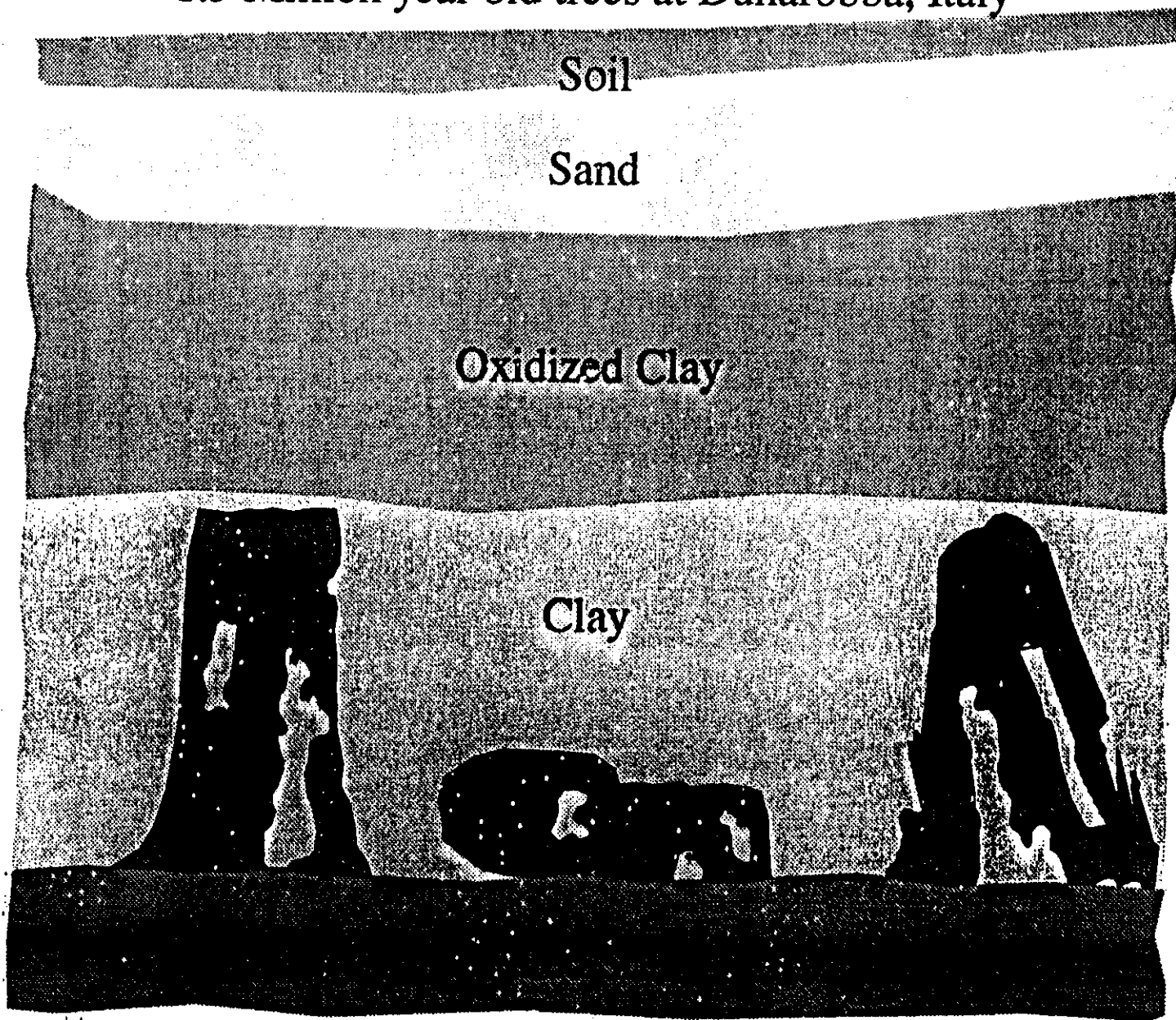
1.5 Million year old trees at Dunarobba, Italy

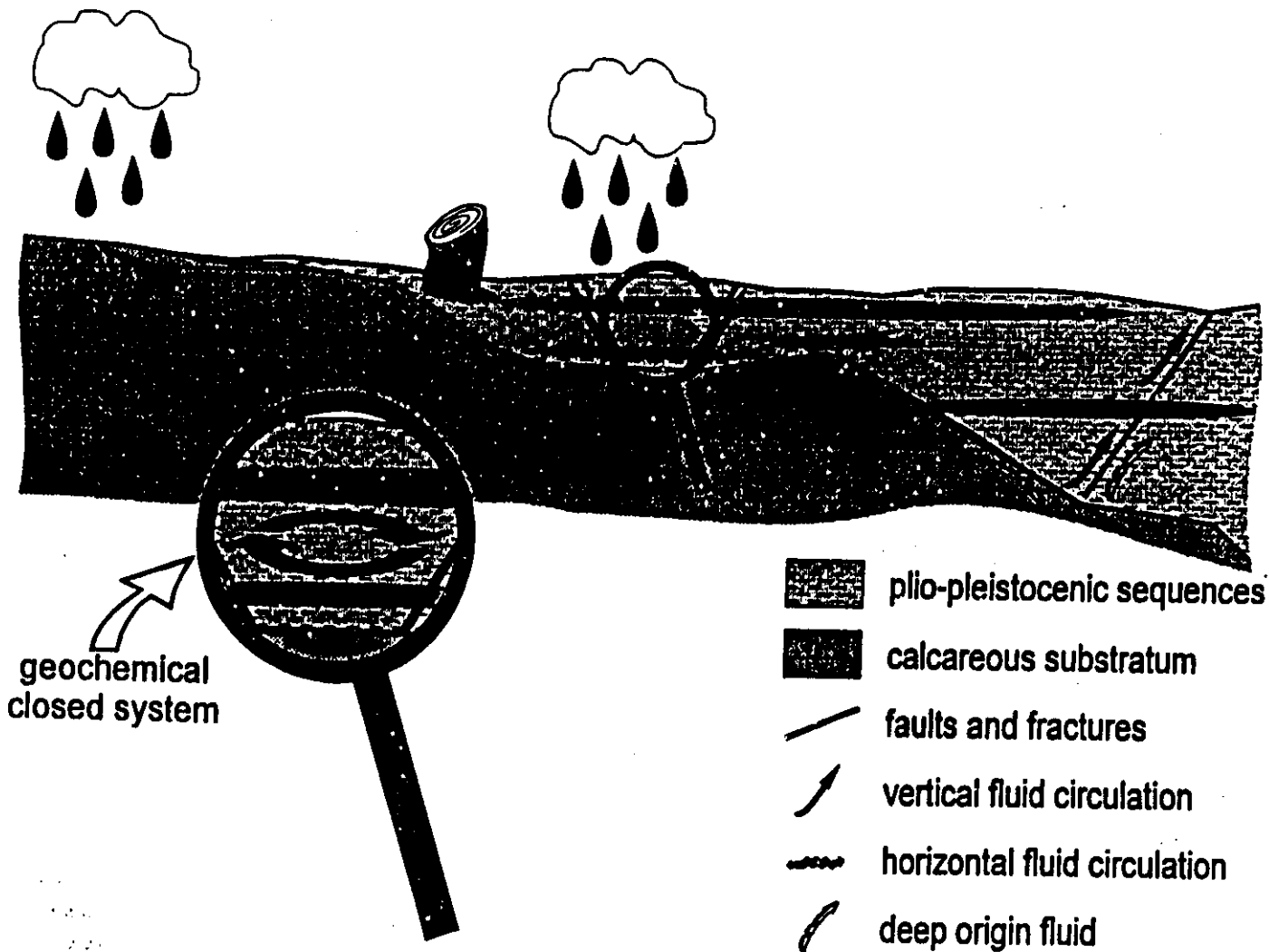
Soil

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.