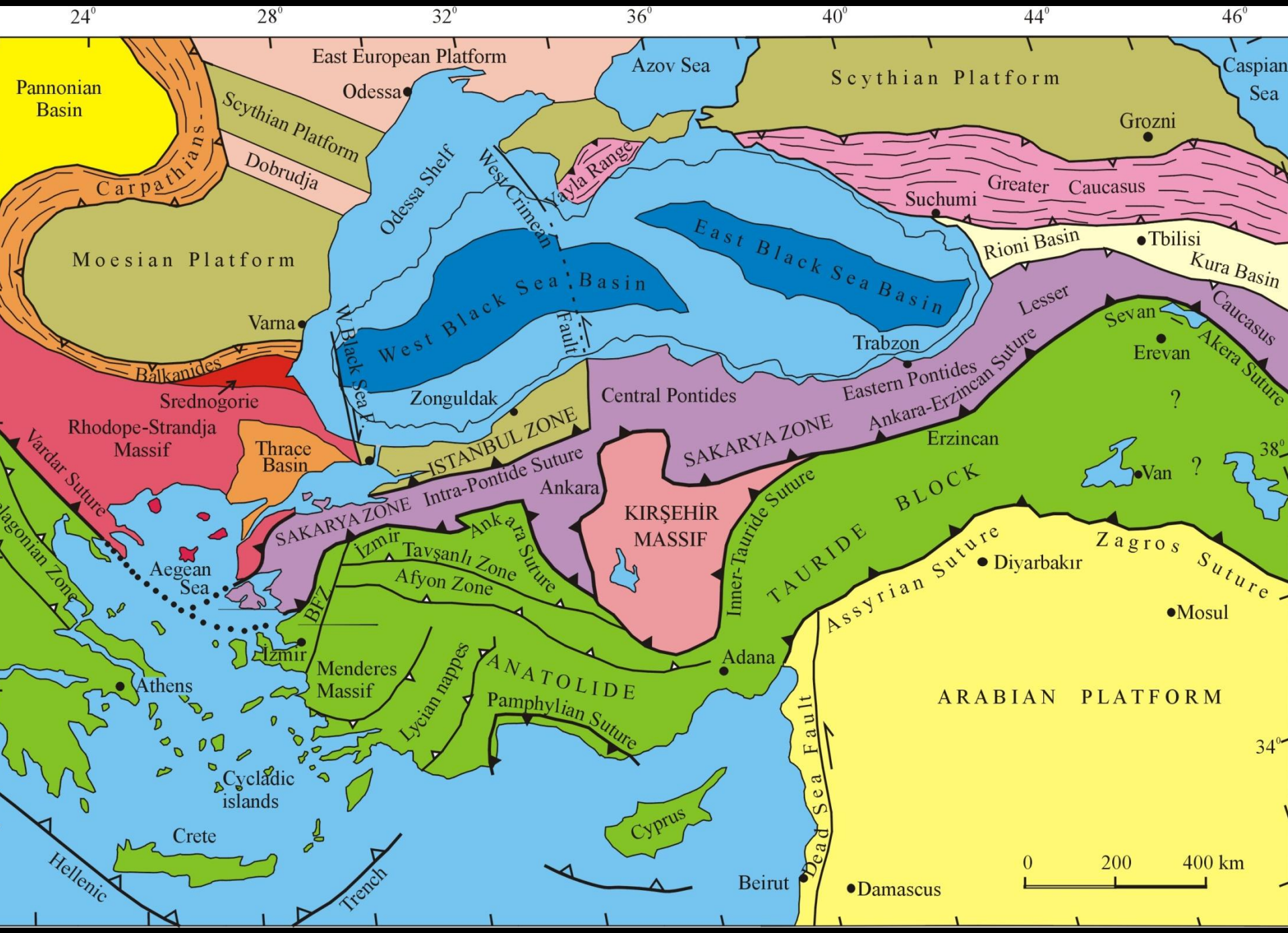
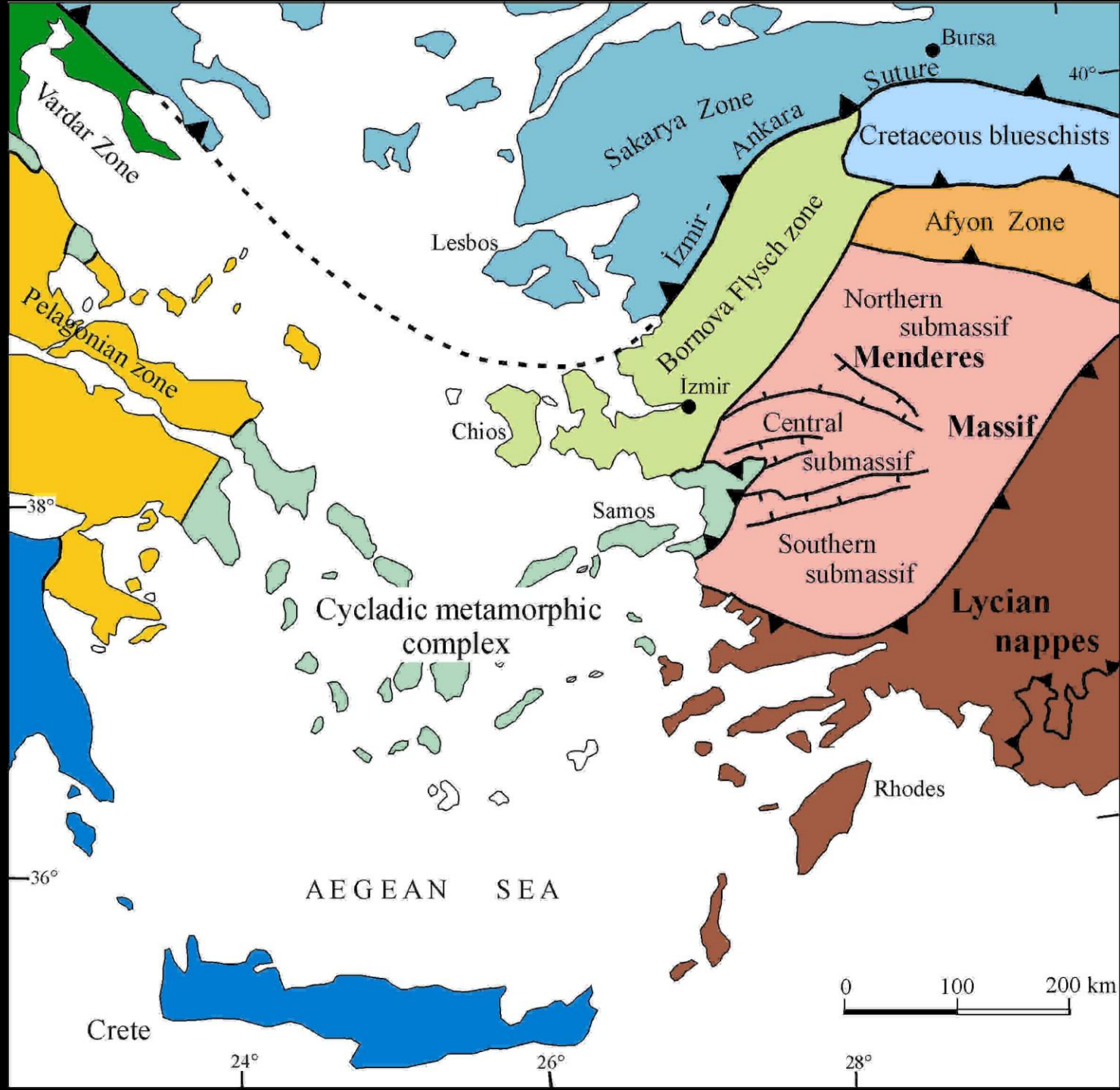


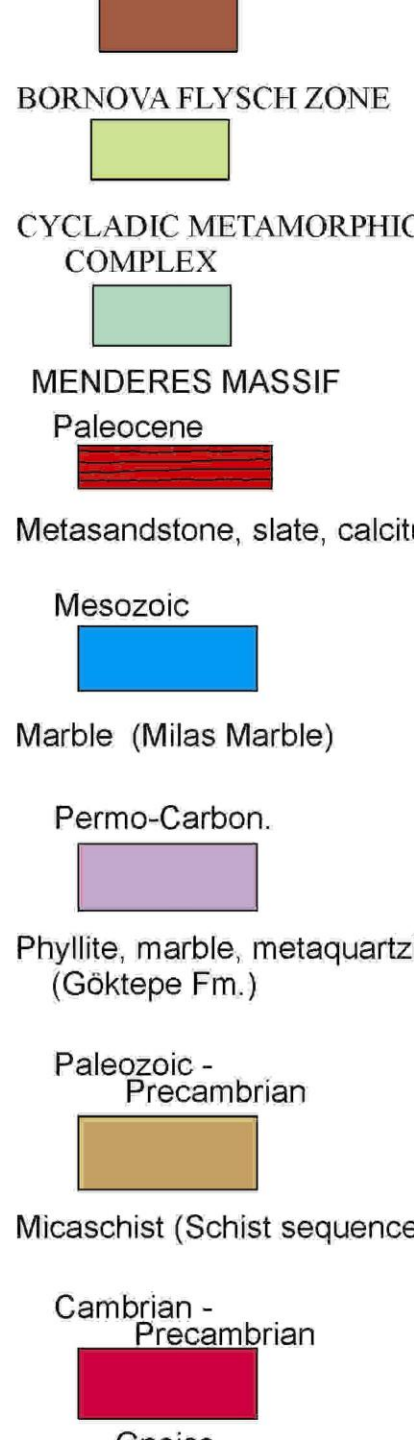
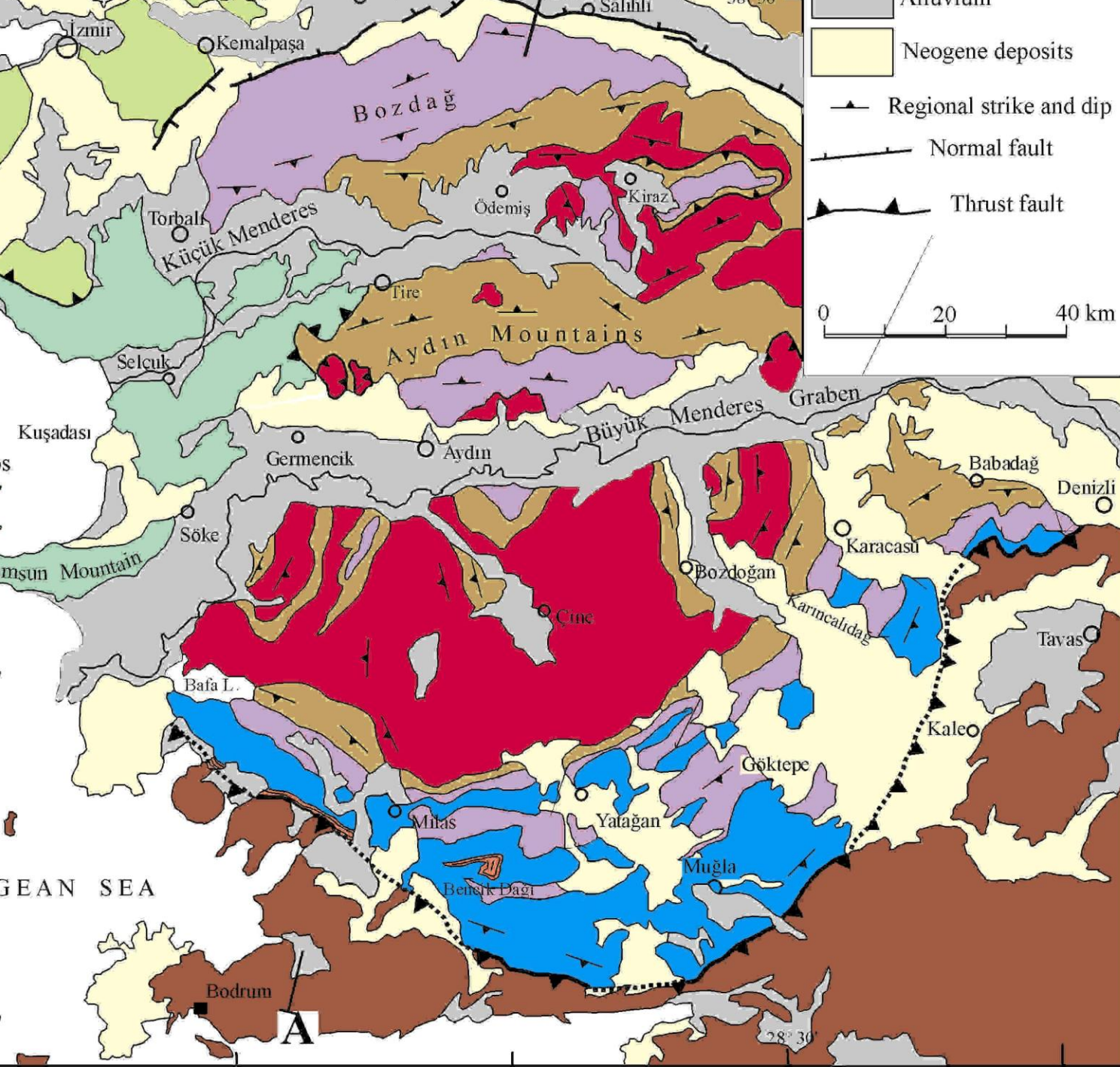
Menderes Masifi'nin jeolojisi ve tektonik evrimi

Aral Okay

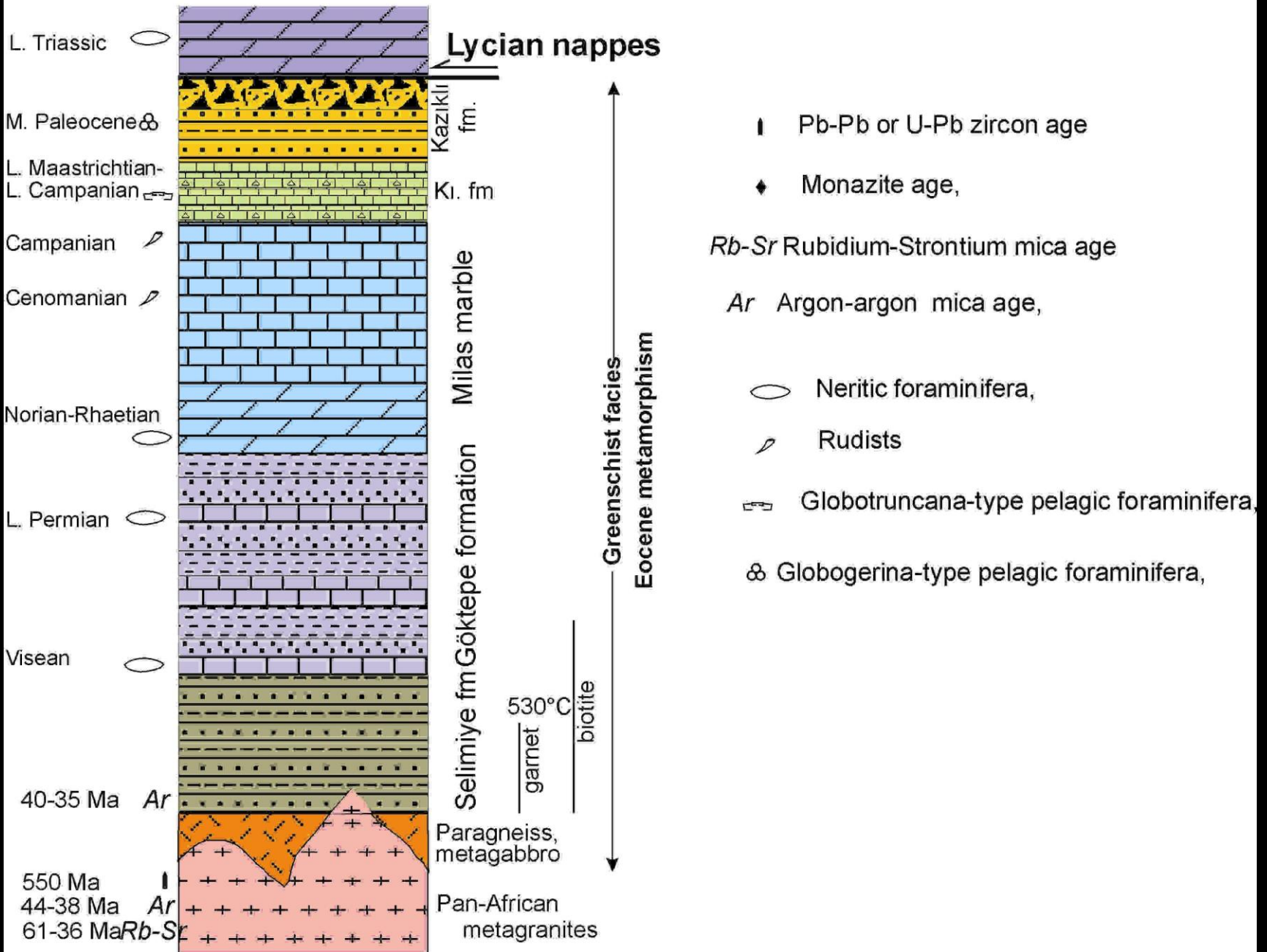
İstanbul Teknik Üniversitesi

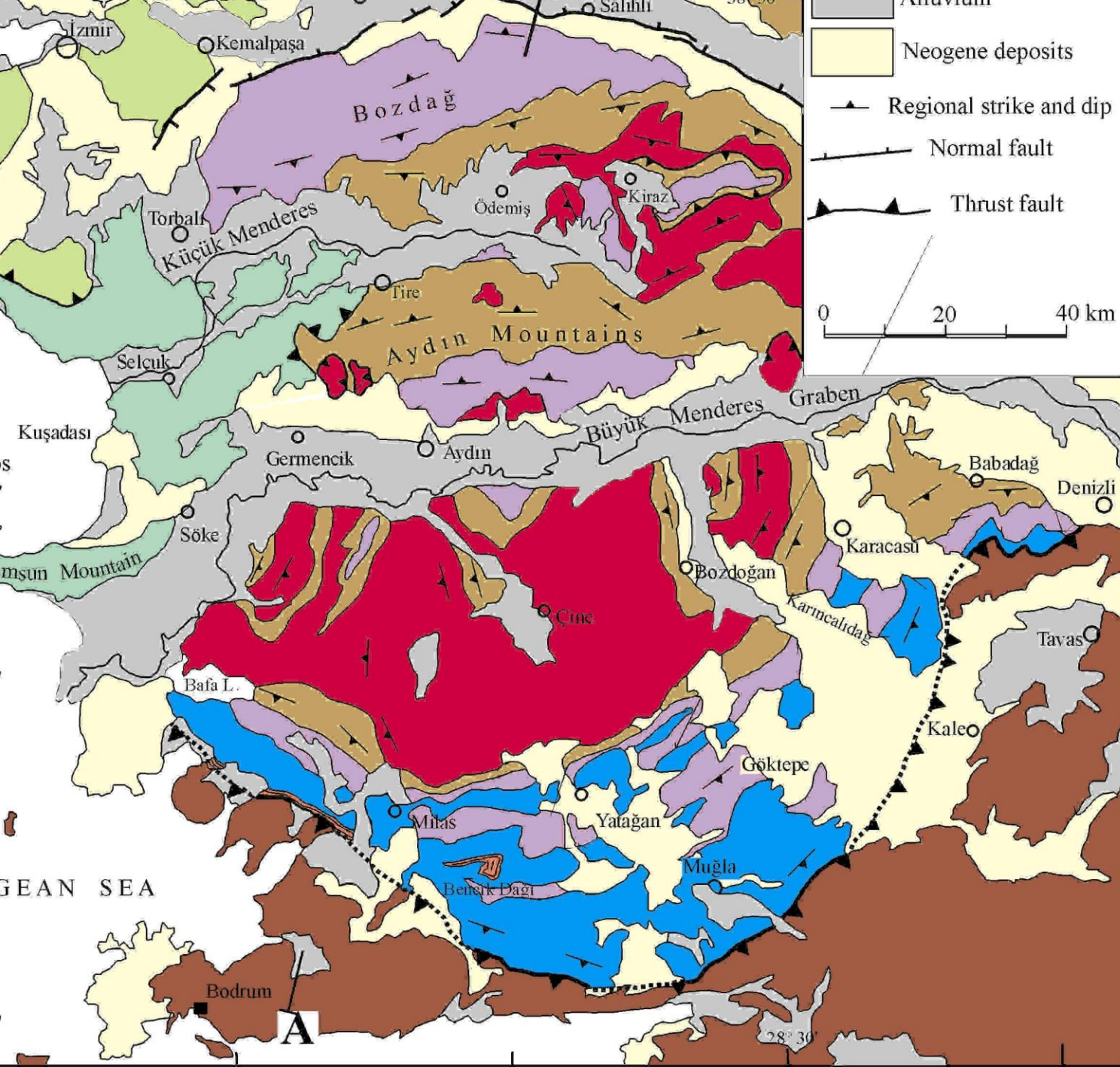






STRATIGRAPHY OF THE MENDERES MASSIF IN THE ÇİNE SUBMASSIF





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 - Cambrian - Precambrian













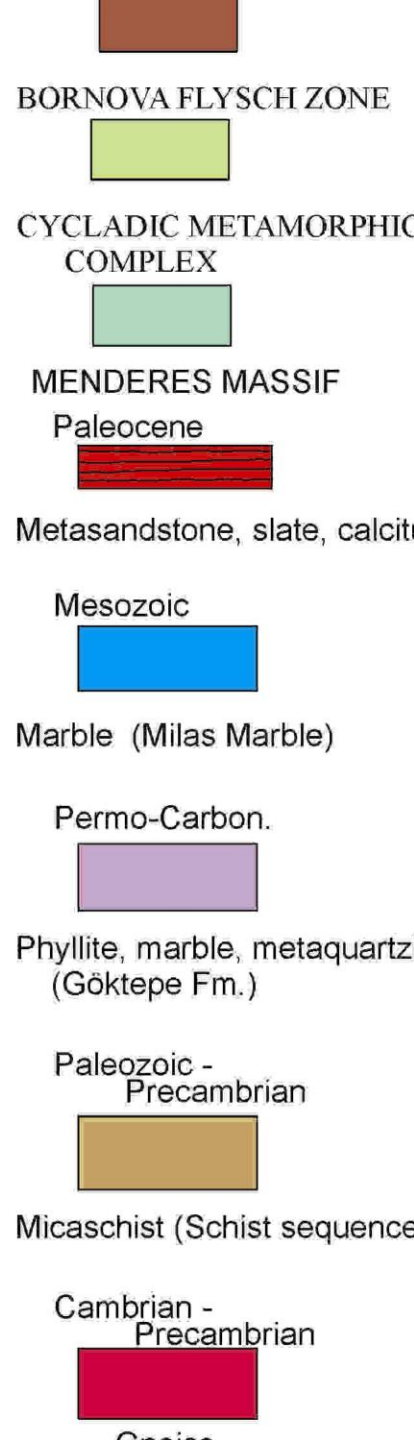
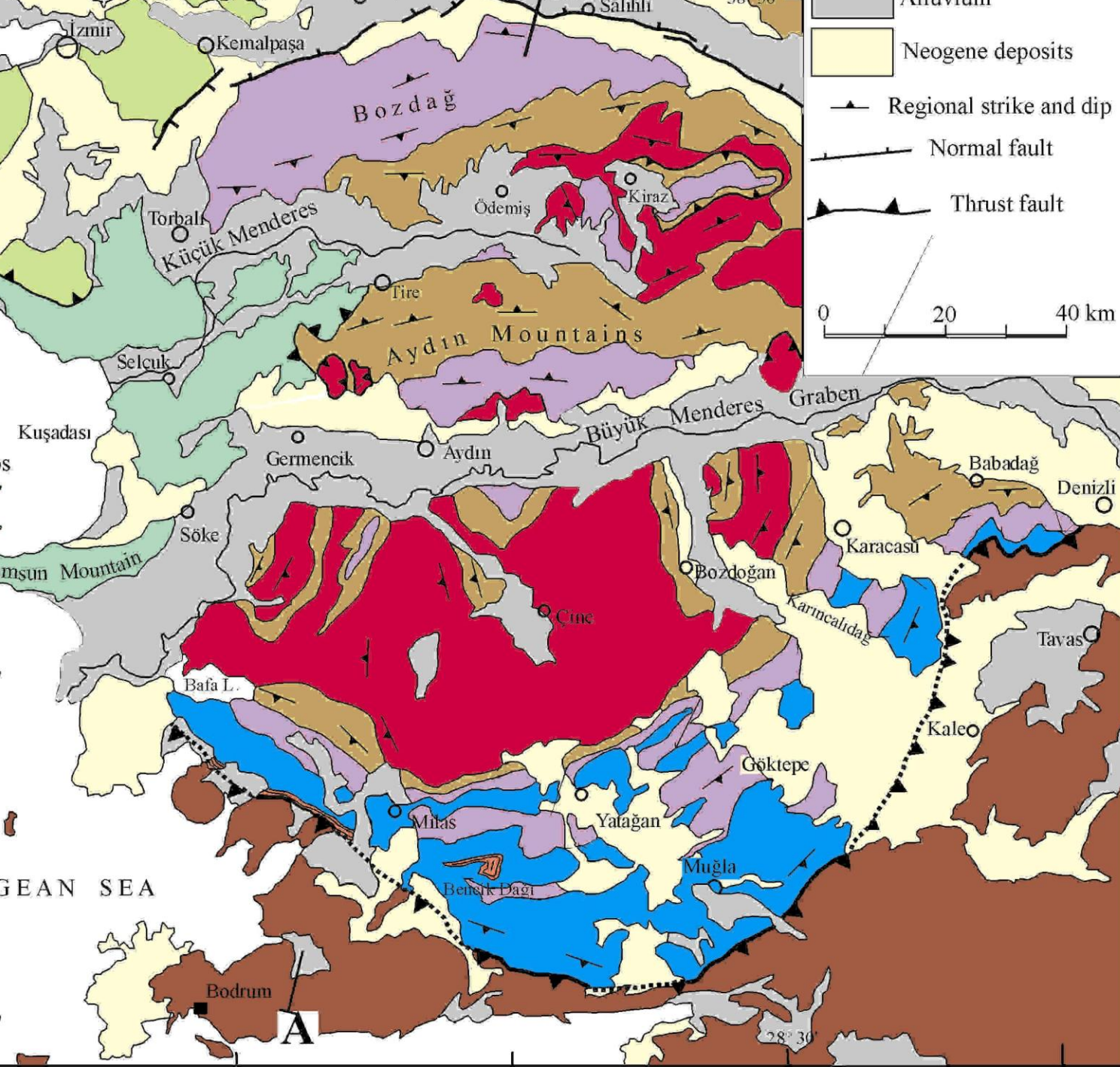




















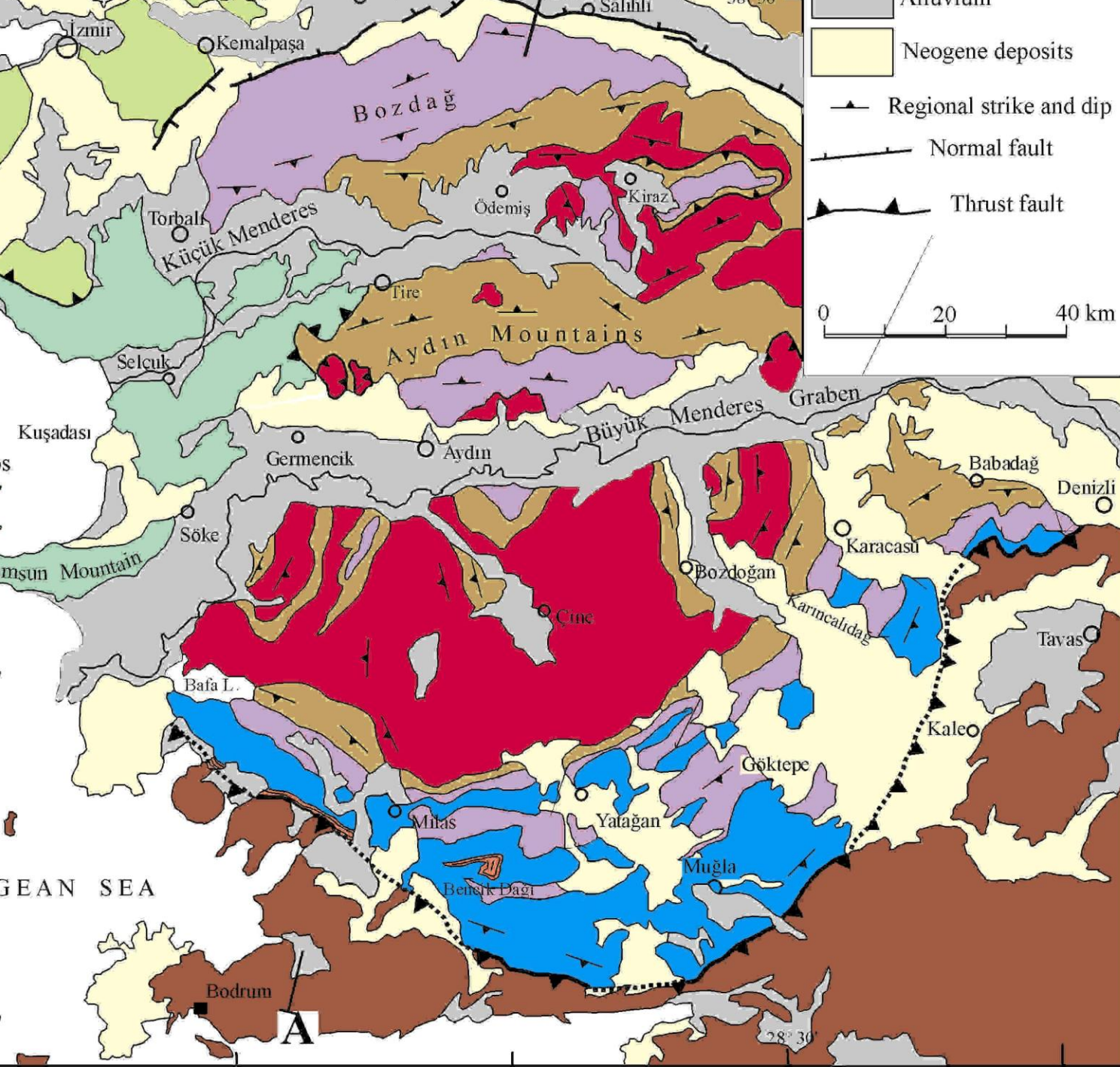








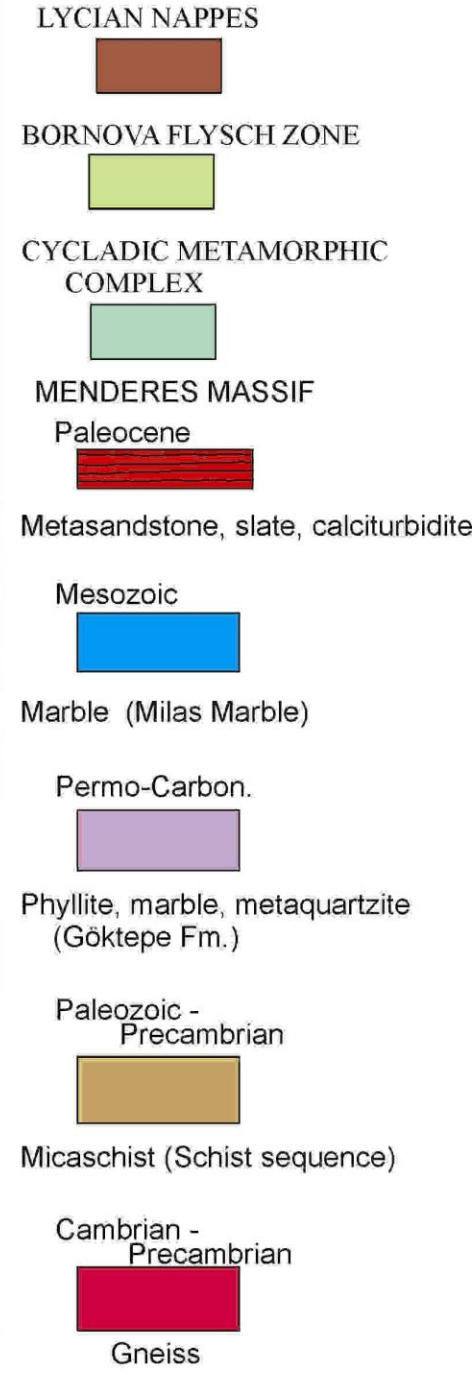
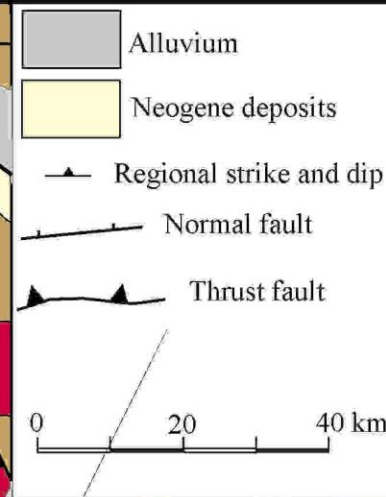
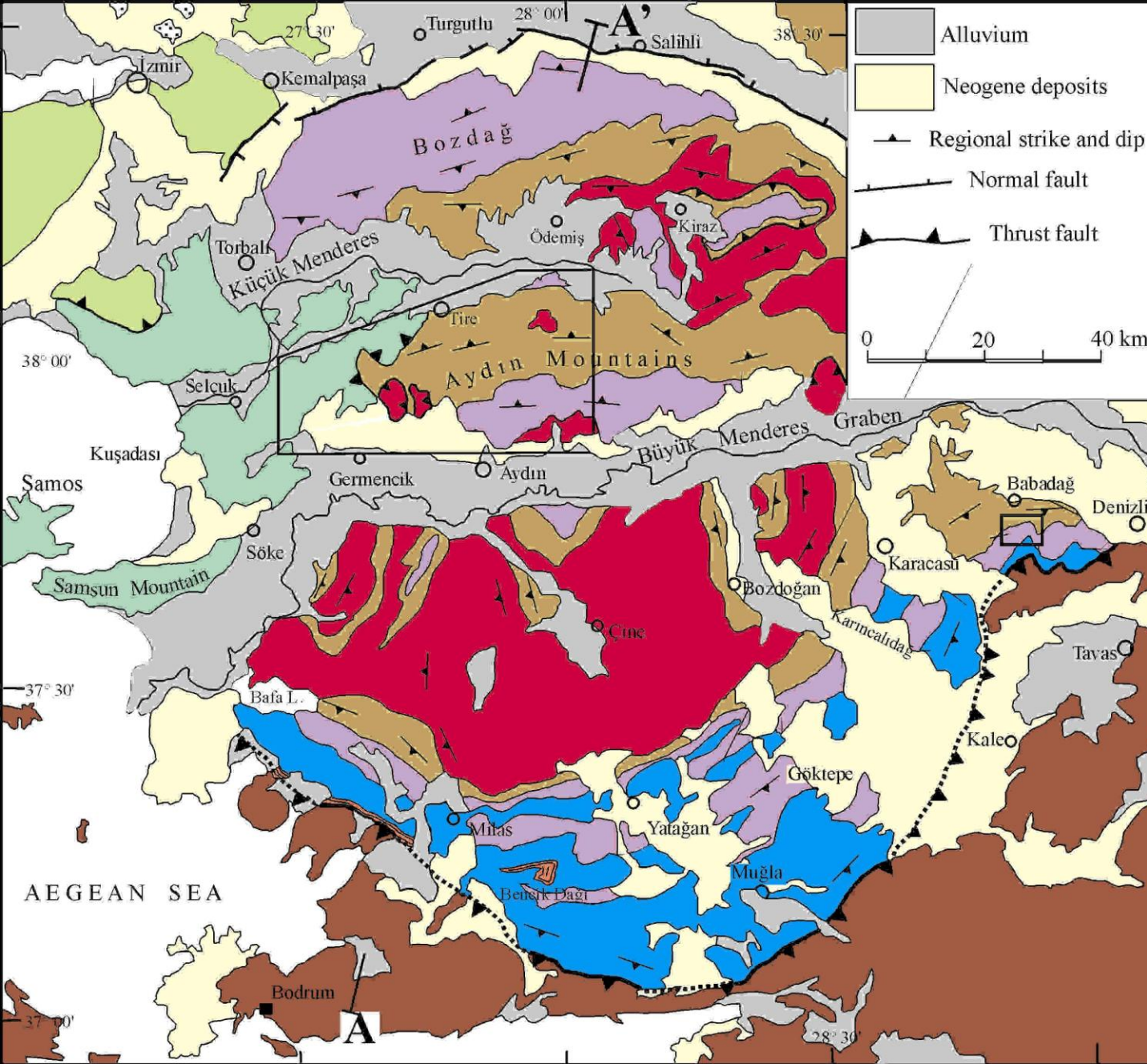




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Geological map of the Menderes Massif





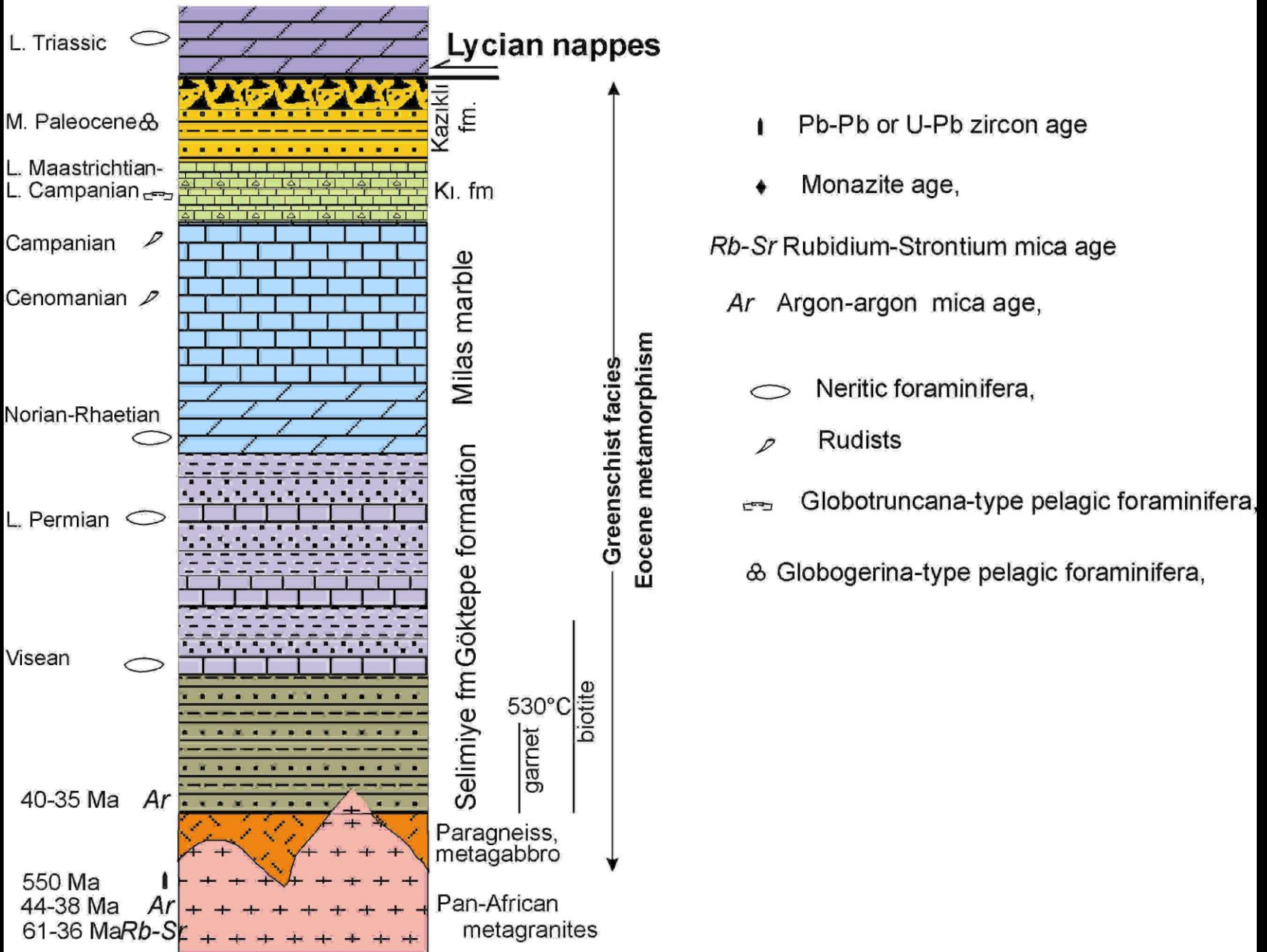


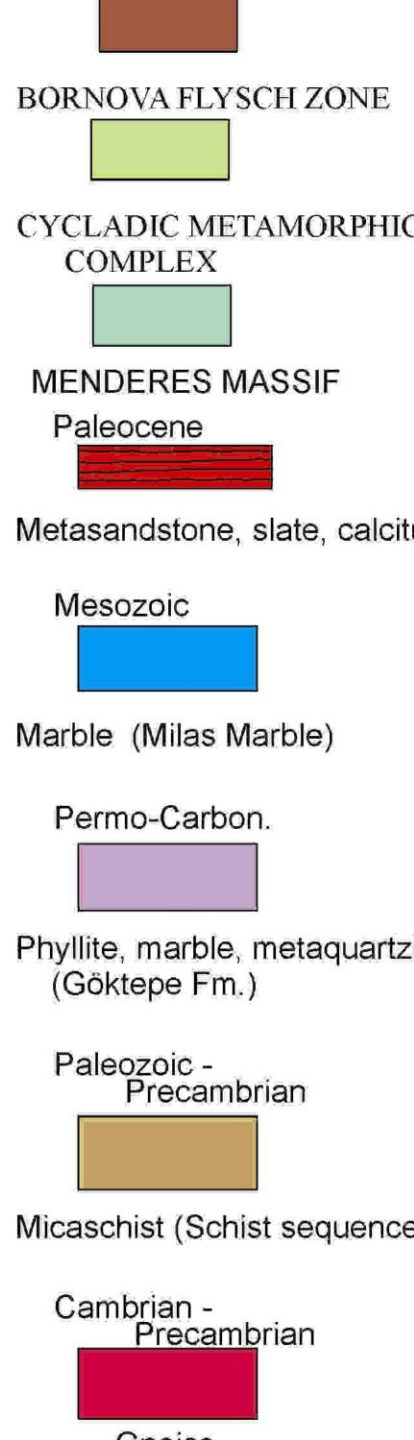
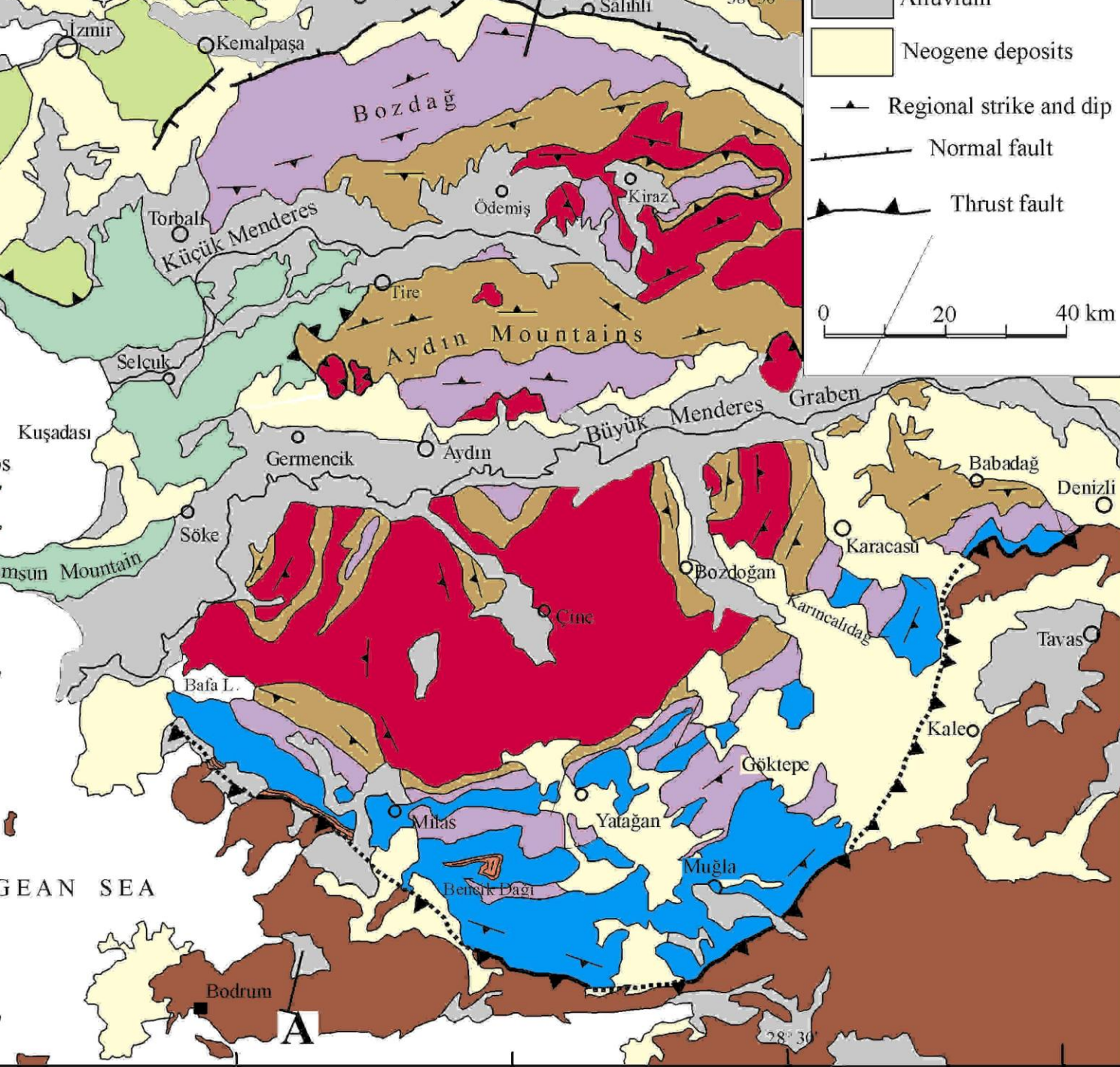




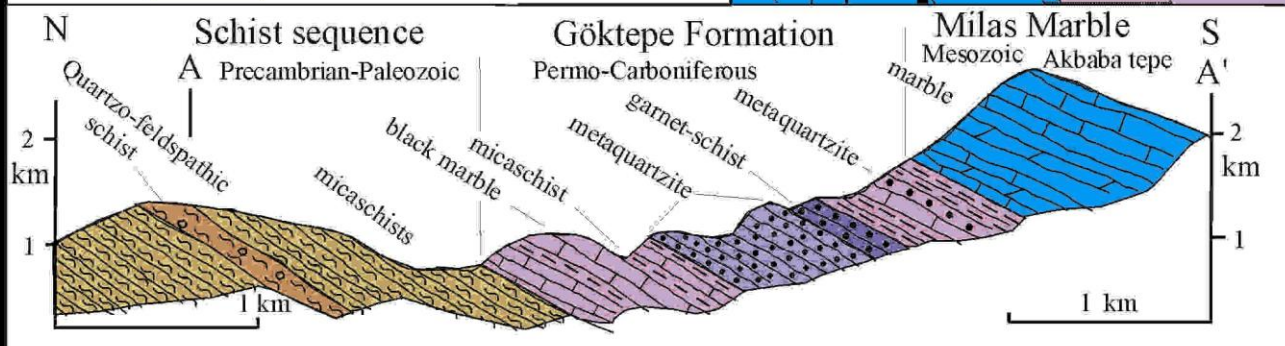
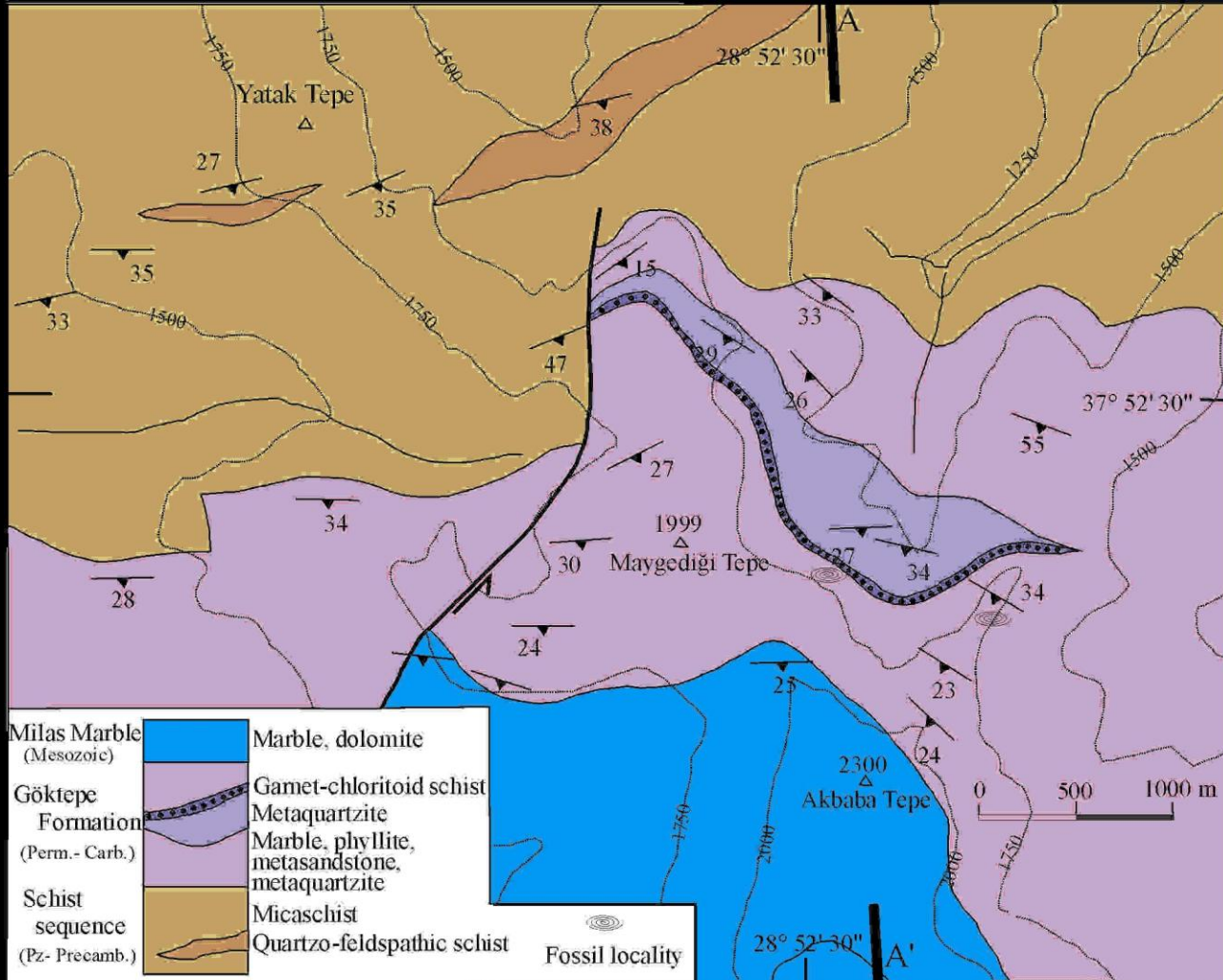


STRATIGRAPHY OF THE MENDERES MASSIF IN THE ÇİNE SUBMASSIF









Geological map of the Babadağ, Menderes Massif.

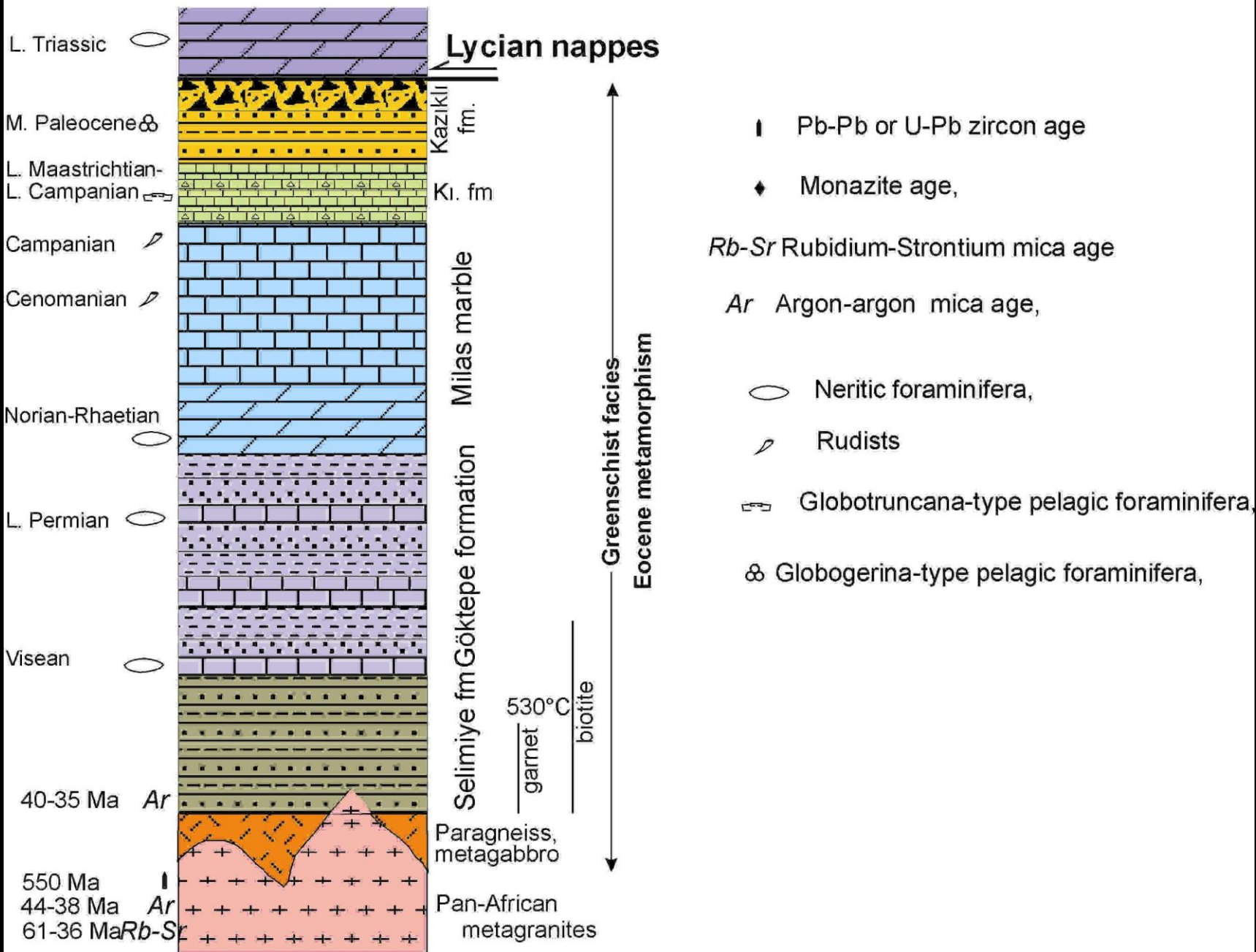


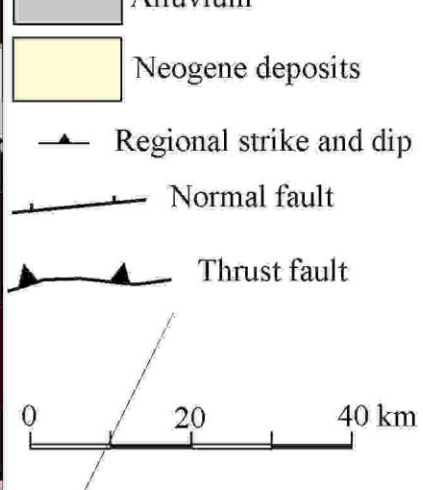
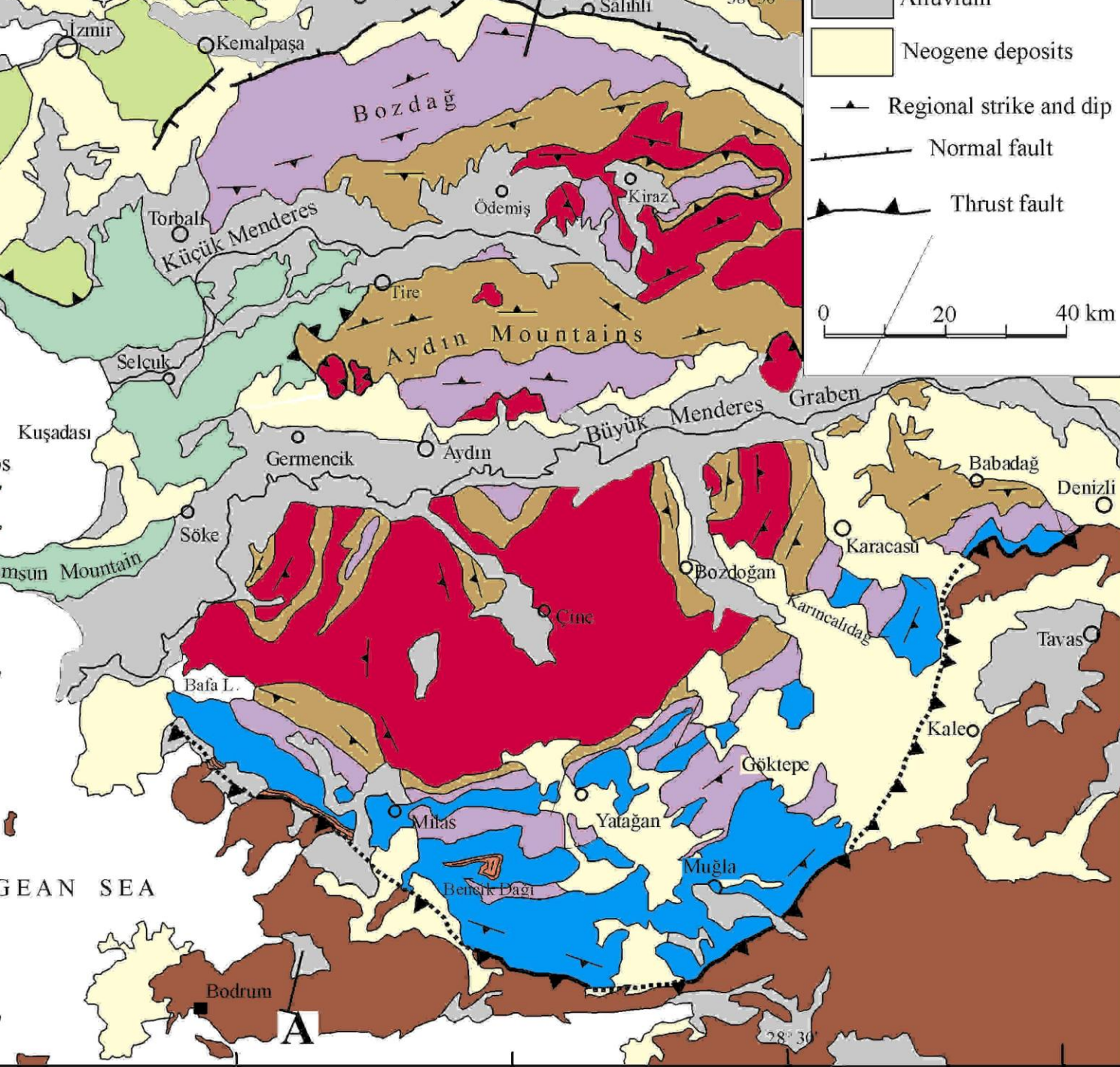






STRATIGRAPHY OF THE MENDERES MASSIF IN THE ÇİNE SUBMASSIF

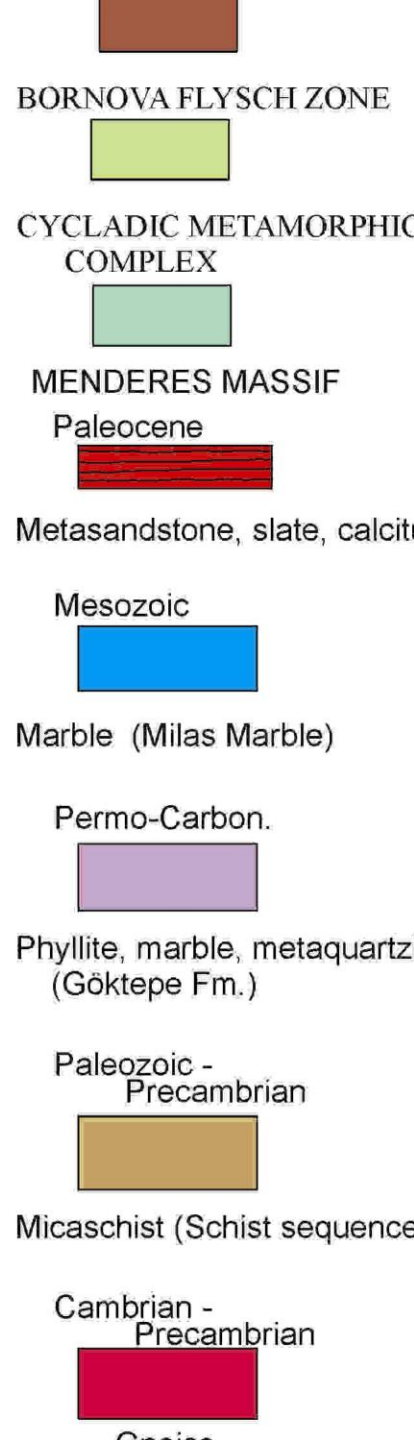
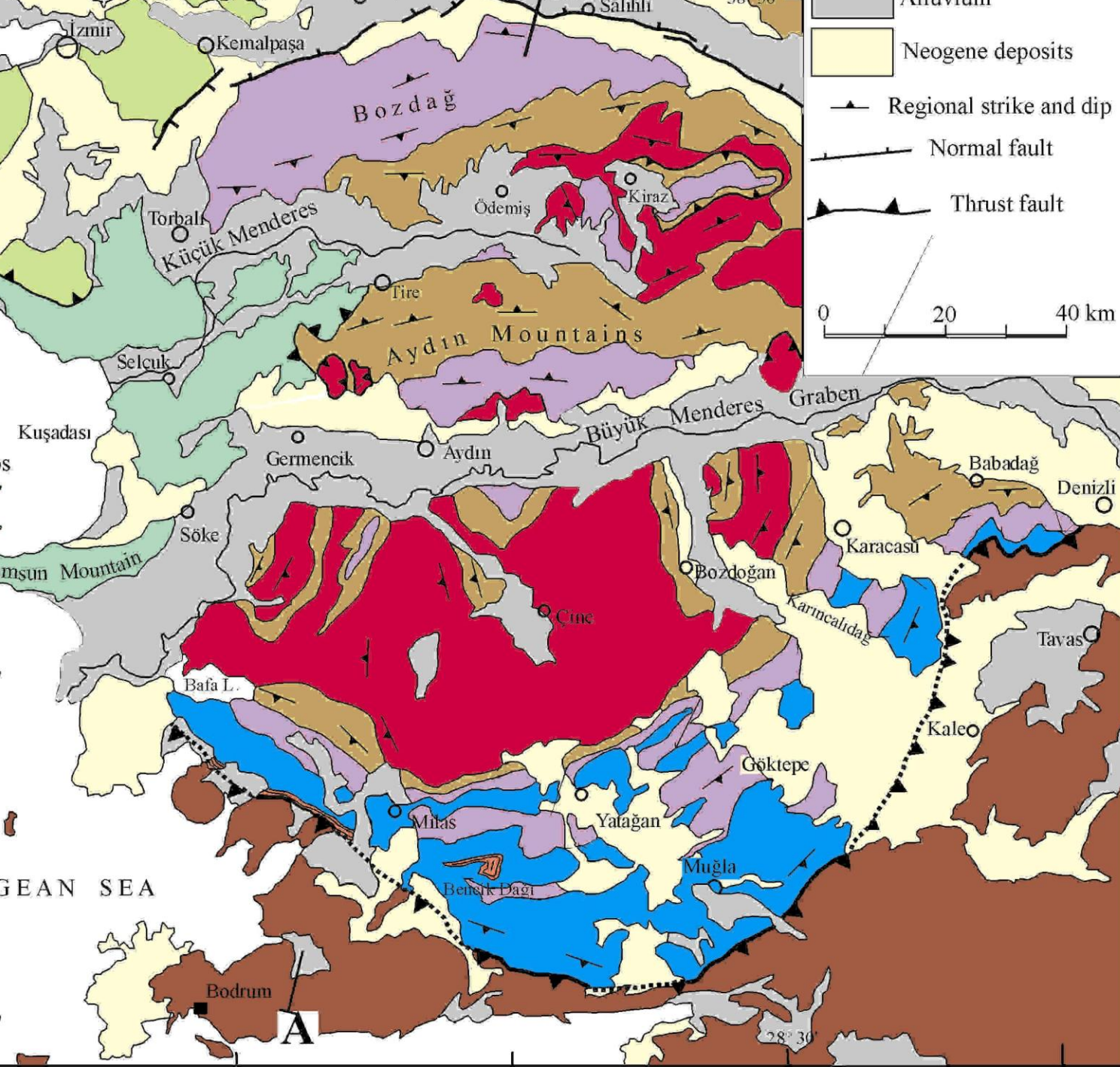




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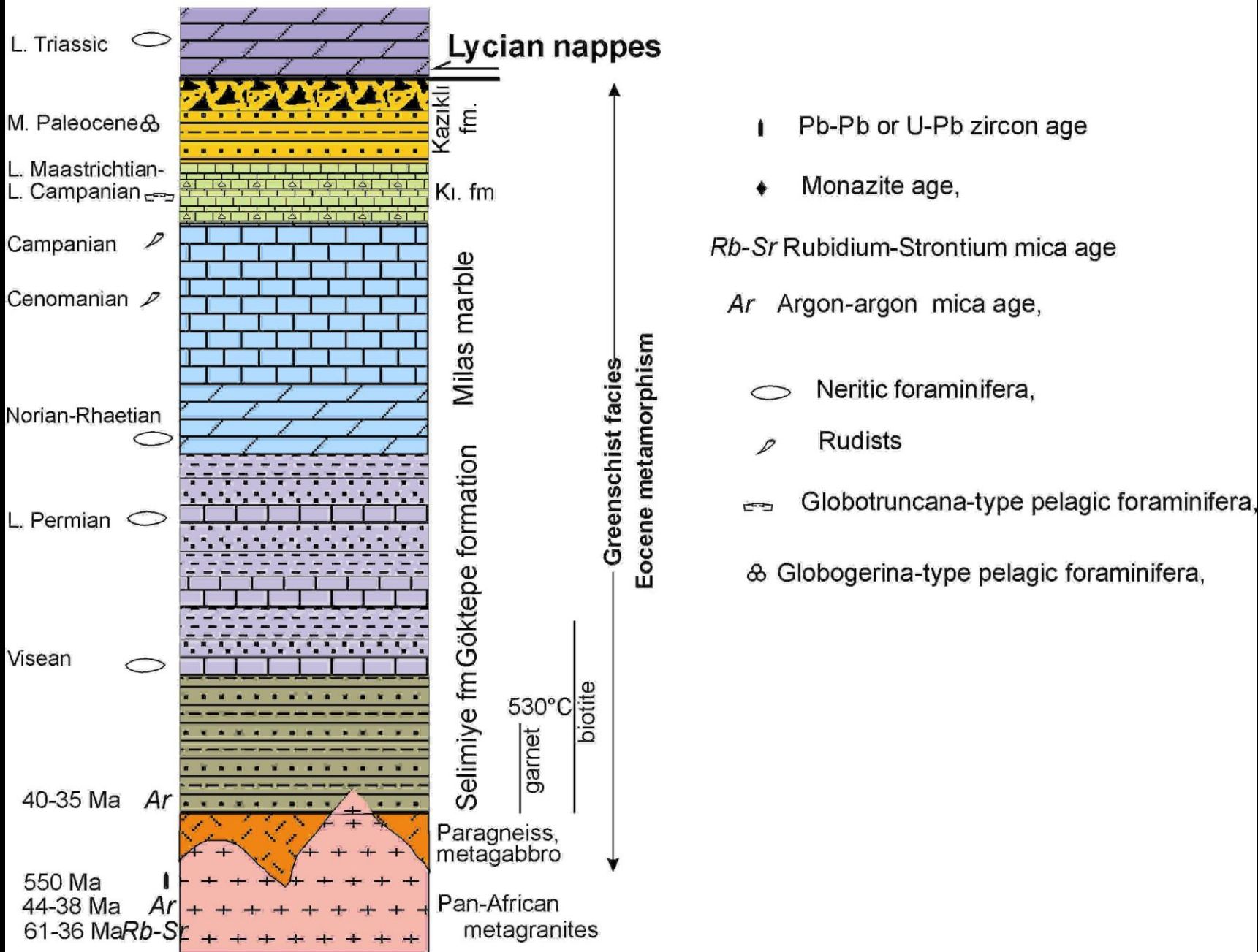


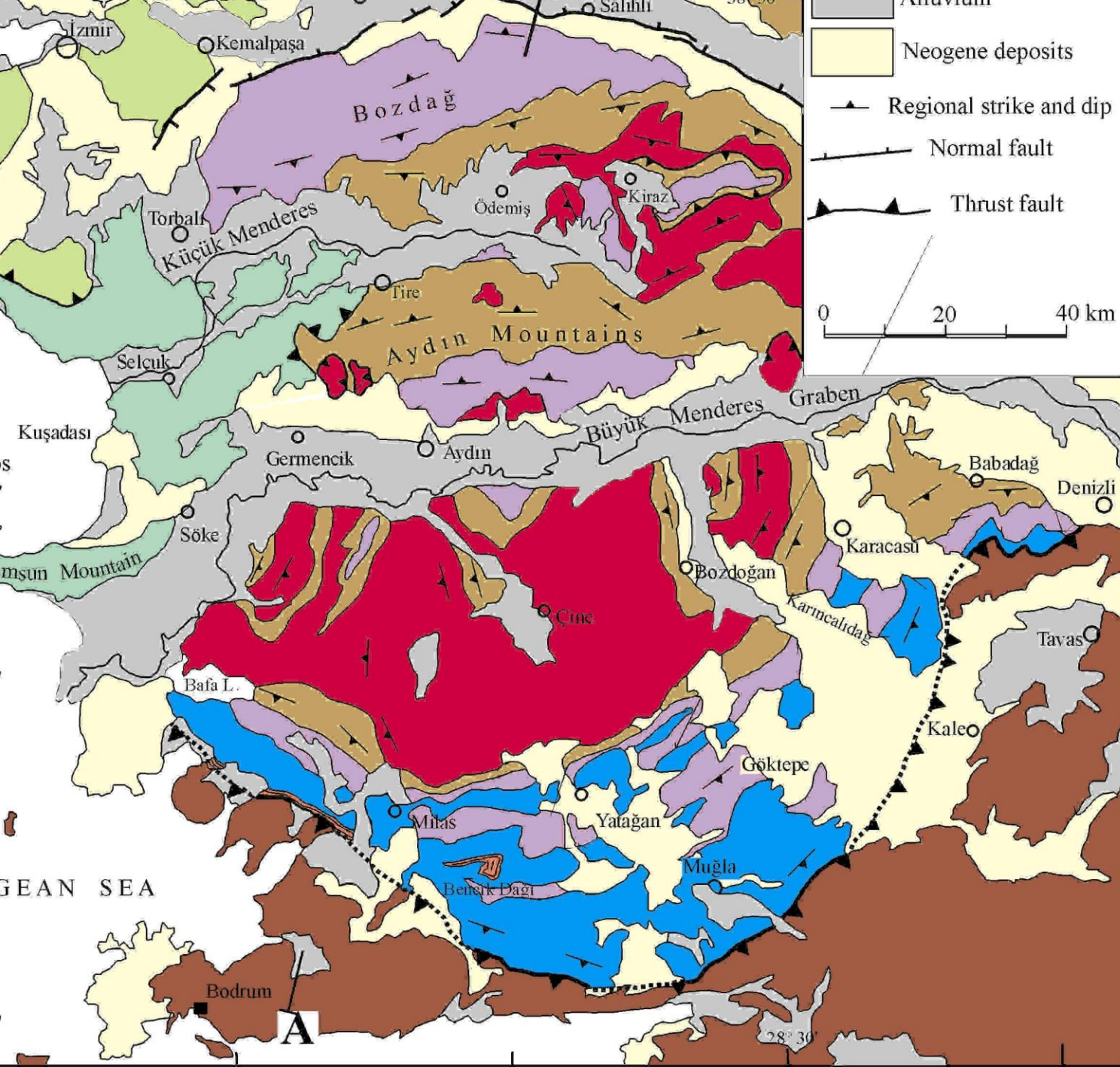






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 - Gneiss

Neogene deposits

Regional strike and dip

Normal fault

Thrust fault

0 20 40 km

AEGEAN SEA

A

28° 30'

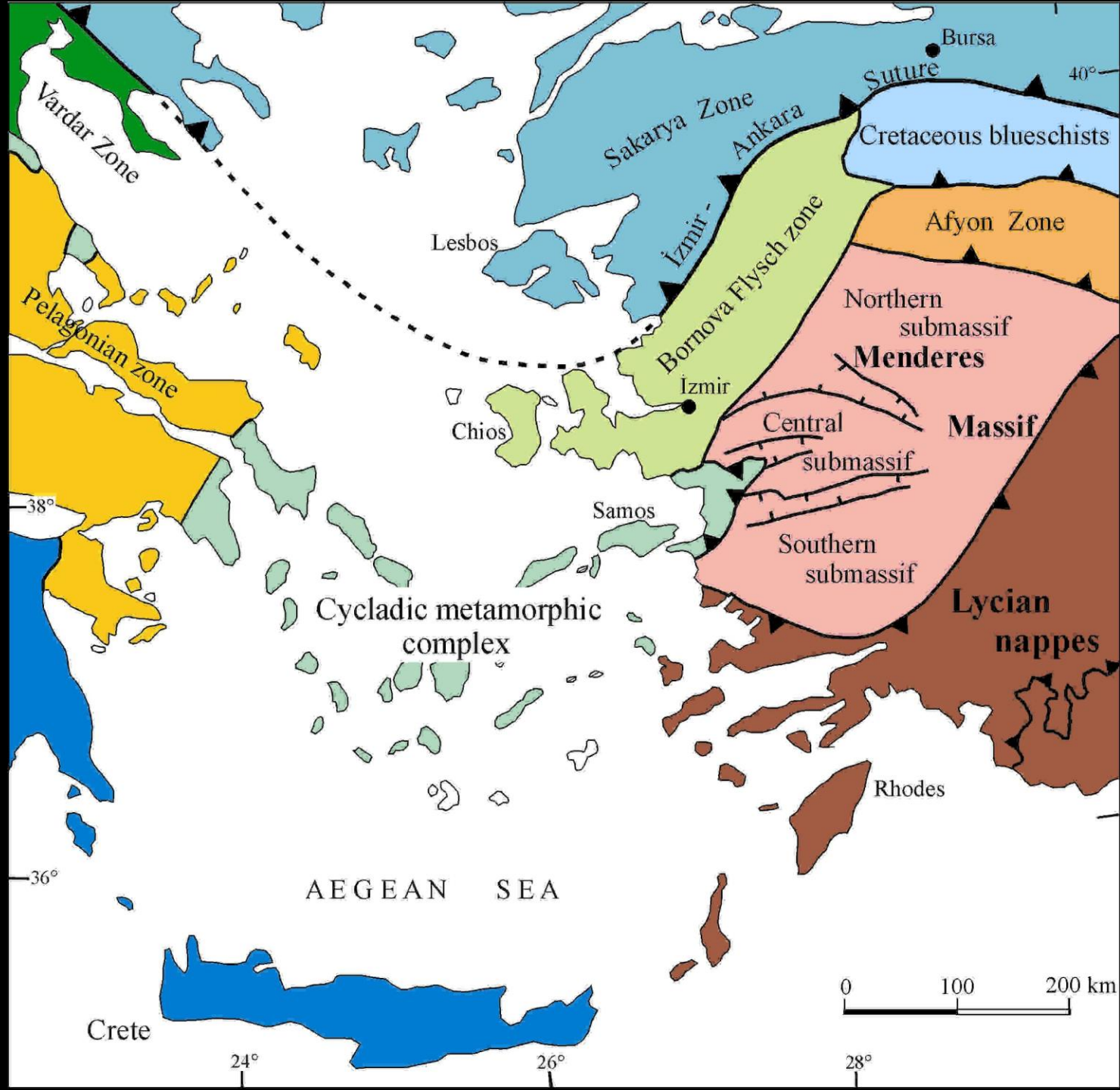















ORTACA DAĞI BİRİMİ

Yaş	Formasyon	Kalınlık	Litoloji	Açıklama
Dogger - Kretase ?	Çatalca Tepe Kireçtaşı	> 750 m		
Liyas ?	Gereme Formasyonu	> 500 m		
Triyas ?	Karaova Formasyonu	> 500 m		

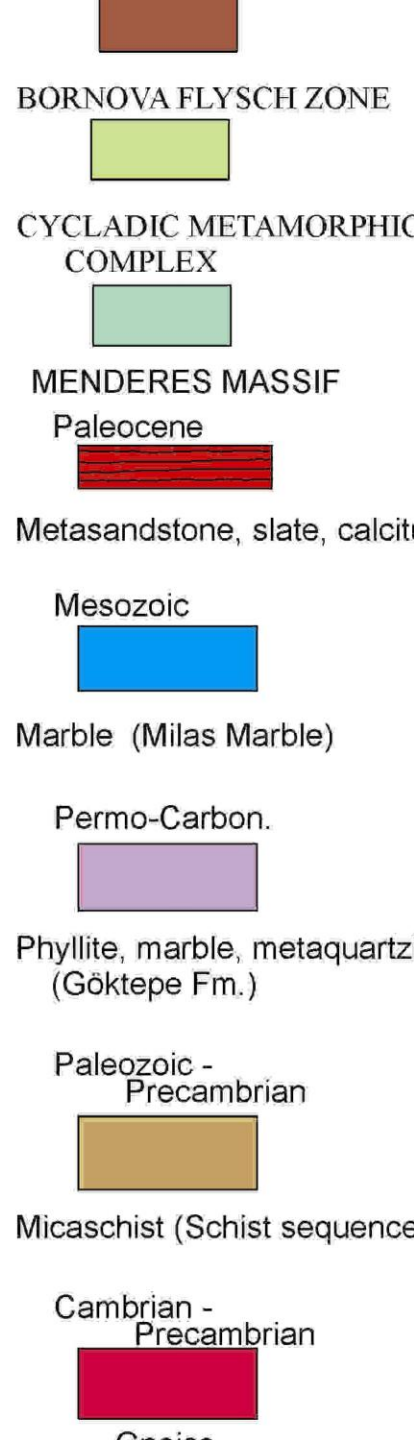
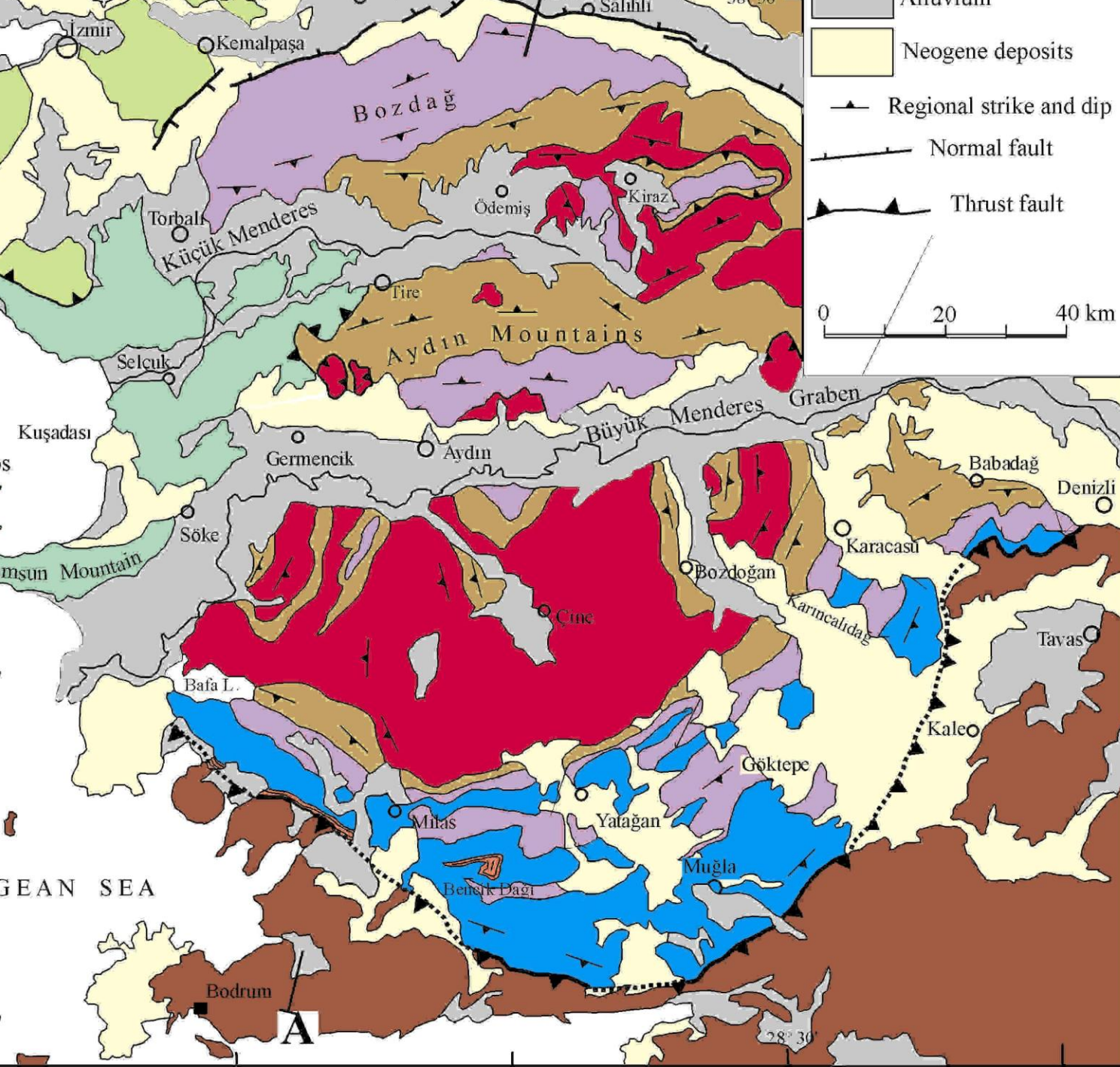






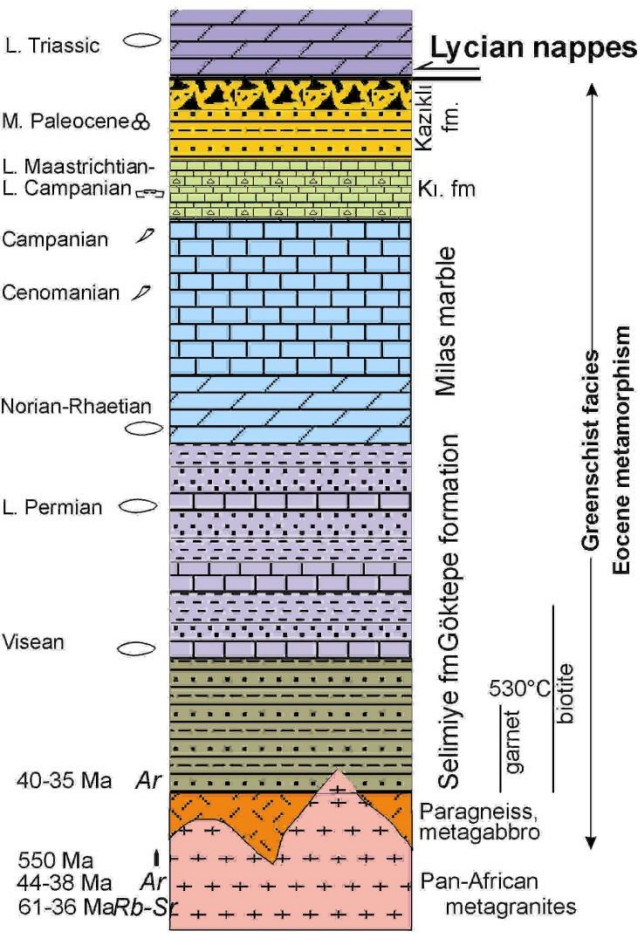






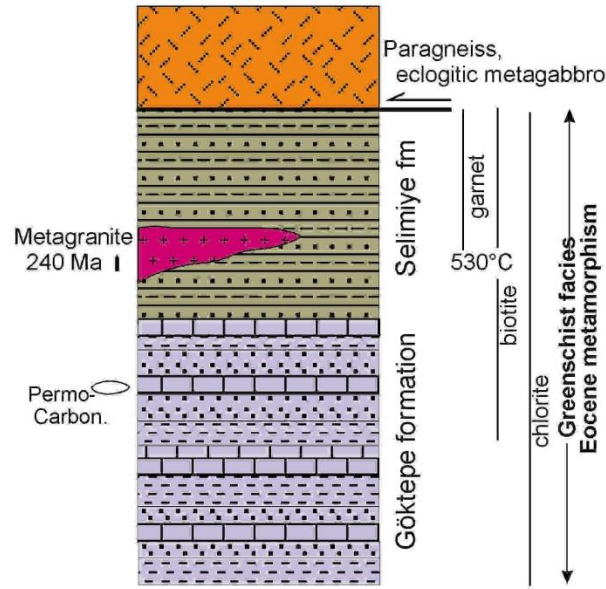
STRATIGRAPHY OF THE MENDERES MASSIF

ÇİNE SUBMASSIF

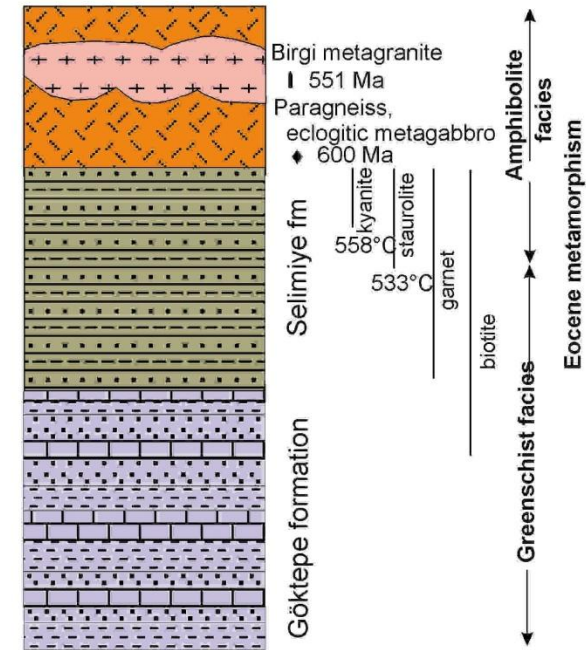


ÖDEMiŞ SUBMASSIF

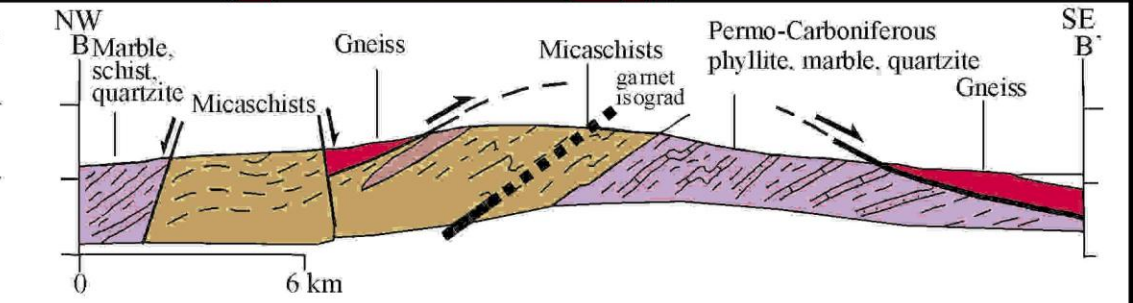
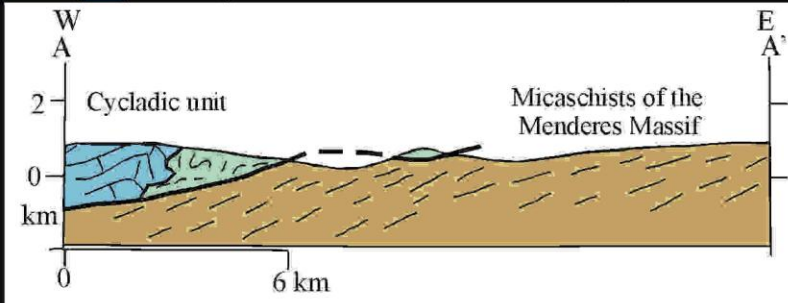
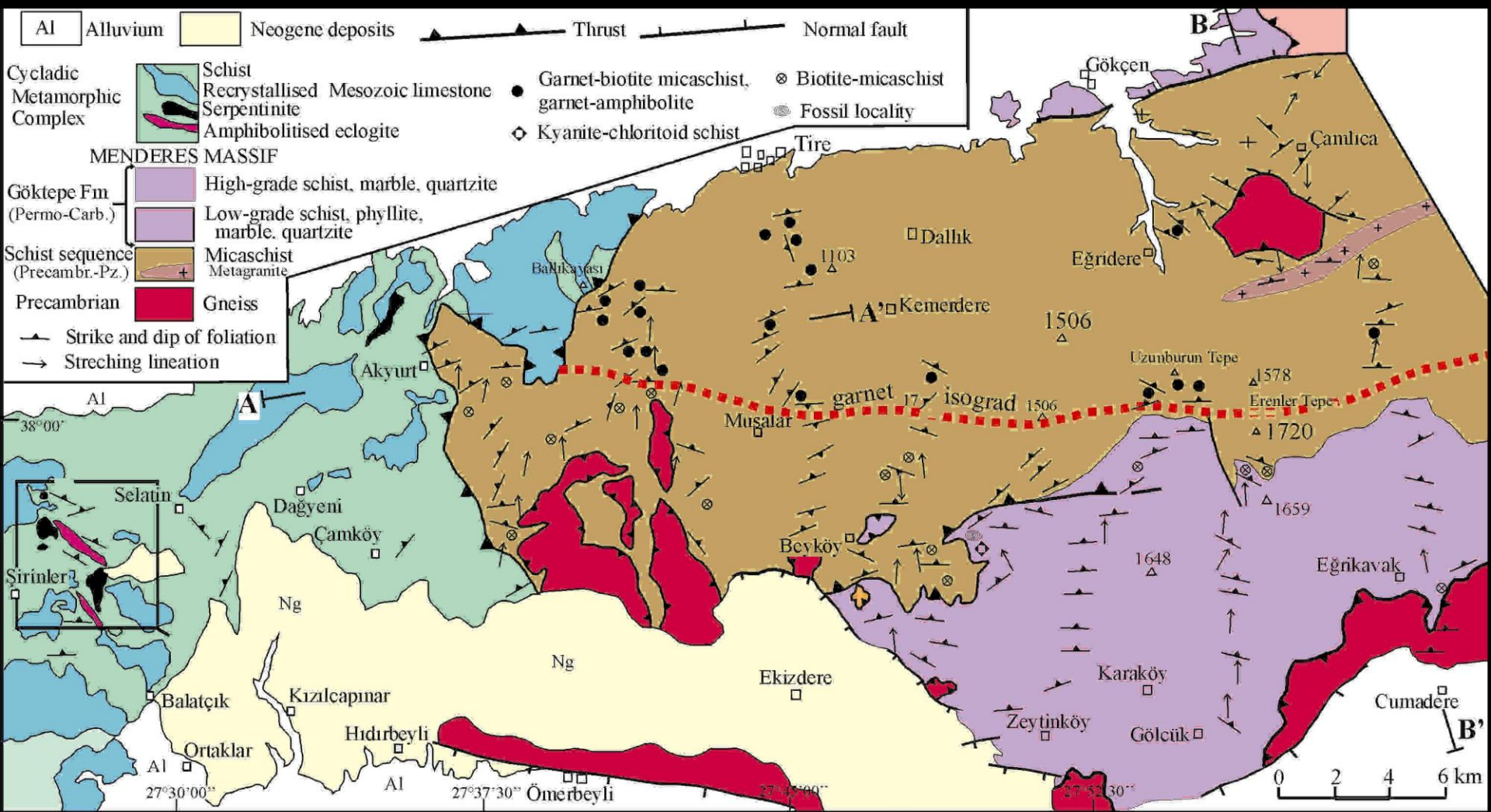
Aydın Mountains



Bozdağ

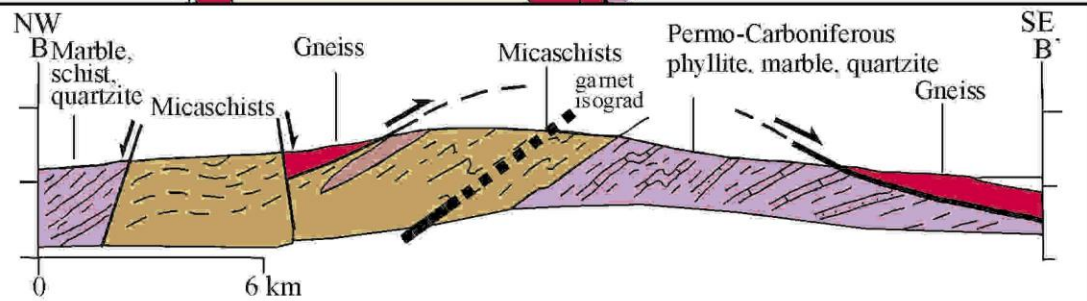
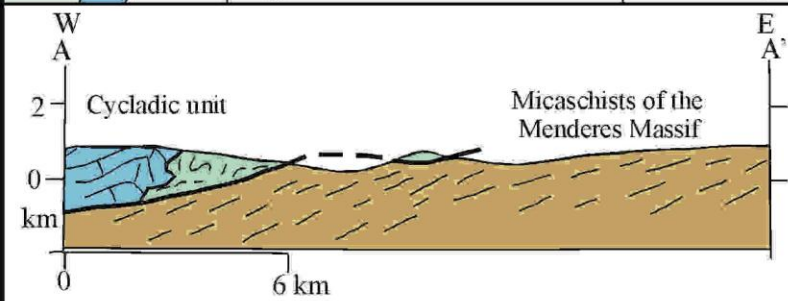
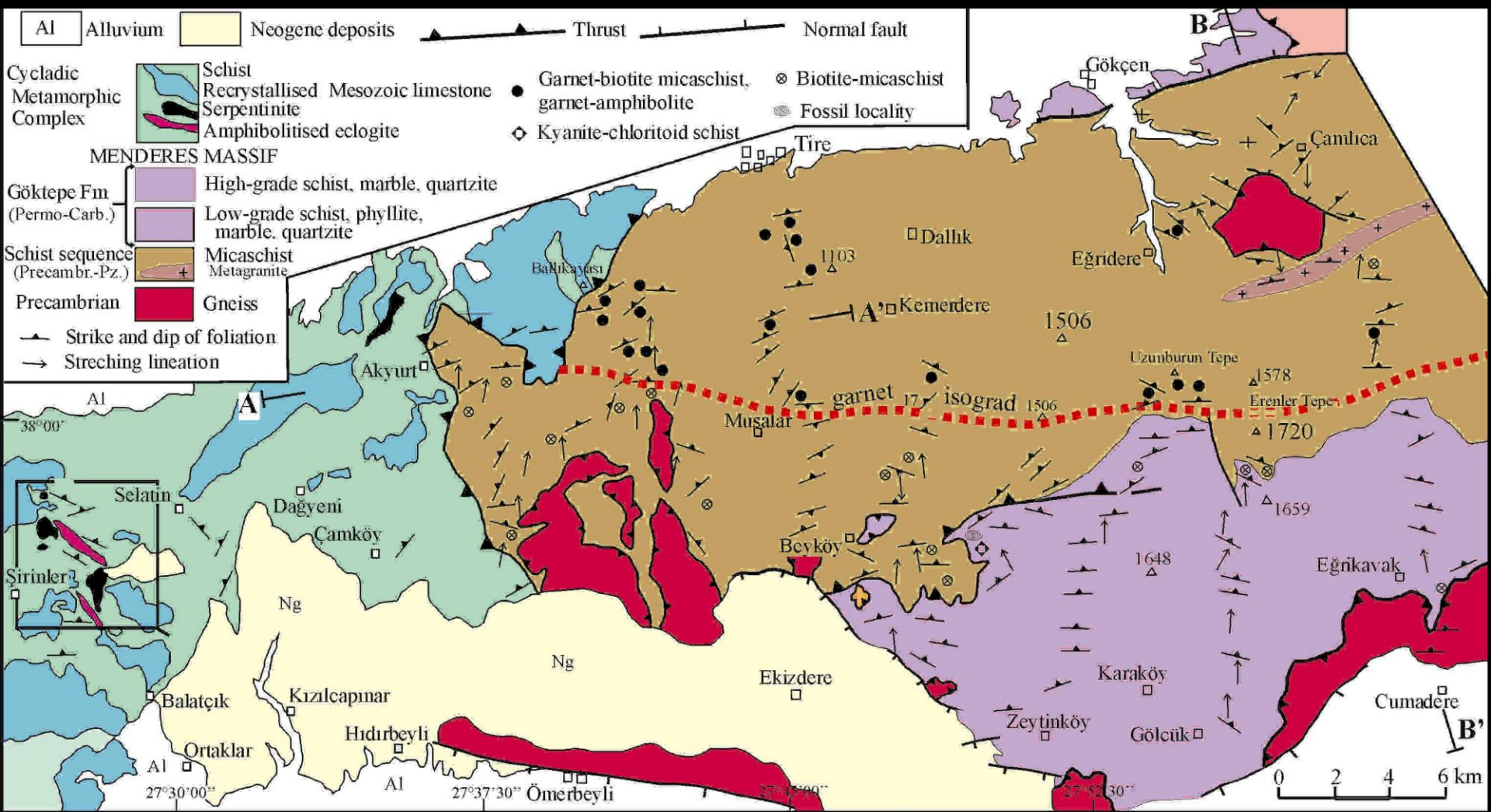


- ▮ Pb-Pb or U-Pb zircon age
- Monazite age
- Ar Argon-argon mica age
- Rb-Sr Rubidium-Strontium mica age
- Neritic foraminifera
- Globotruncana-type pelagic foraminifera
- Globogenerina-type pelagic foraminifera
- Rudists









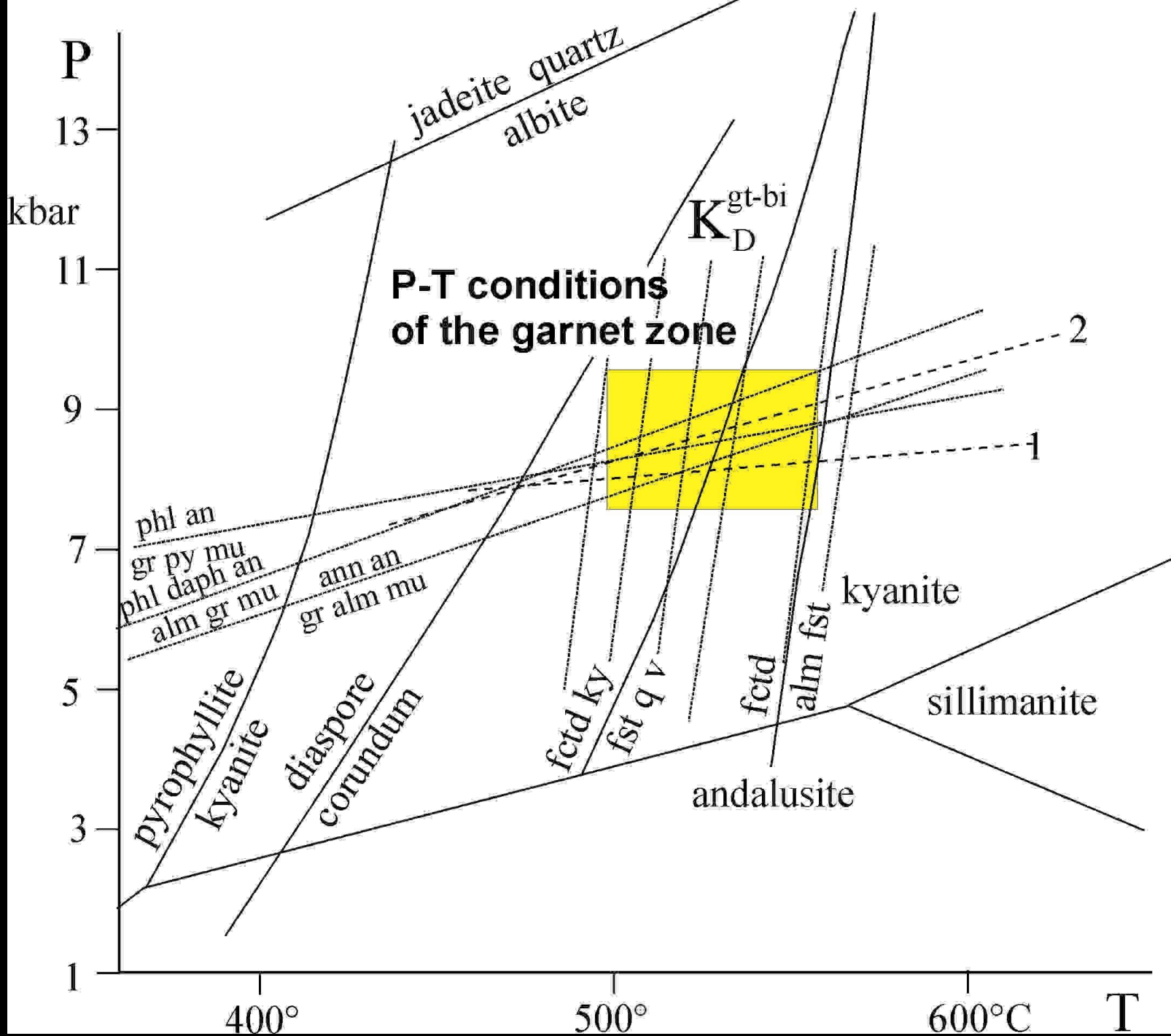


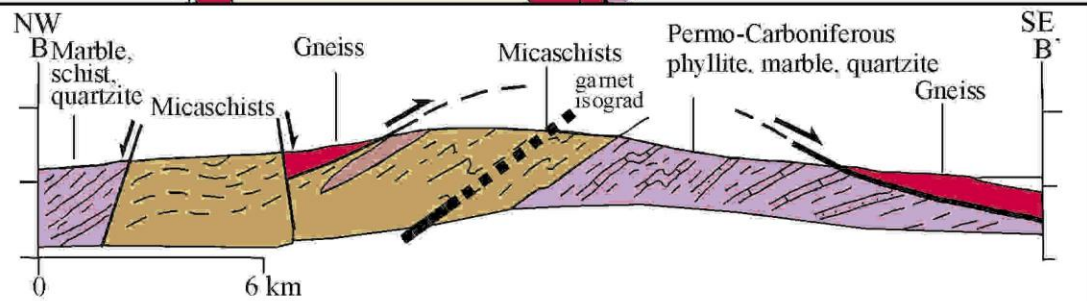
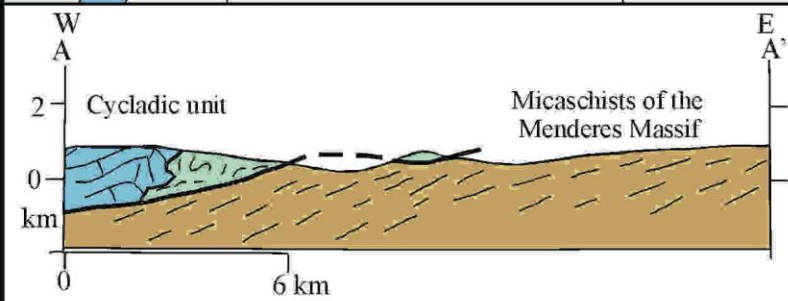
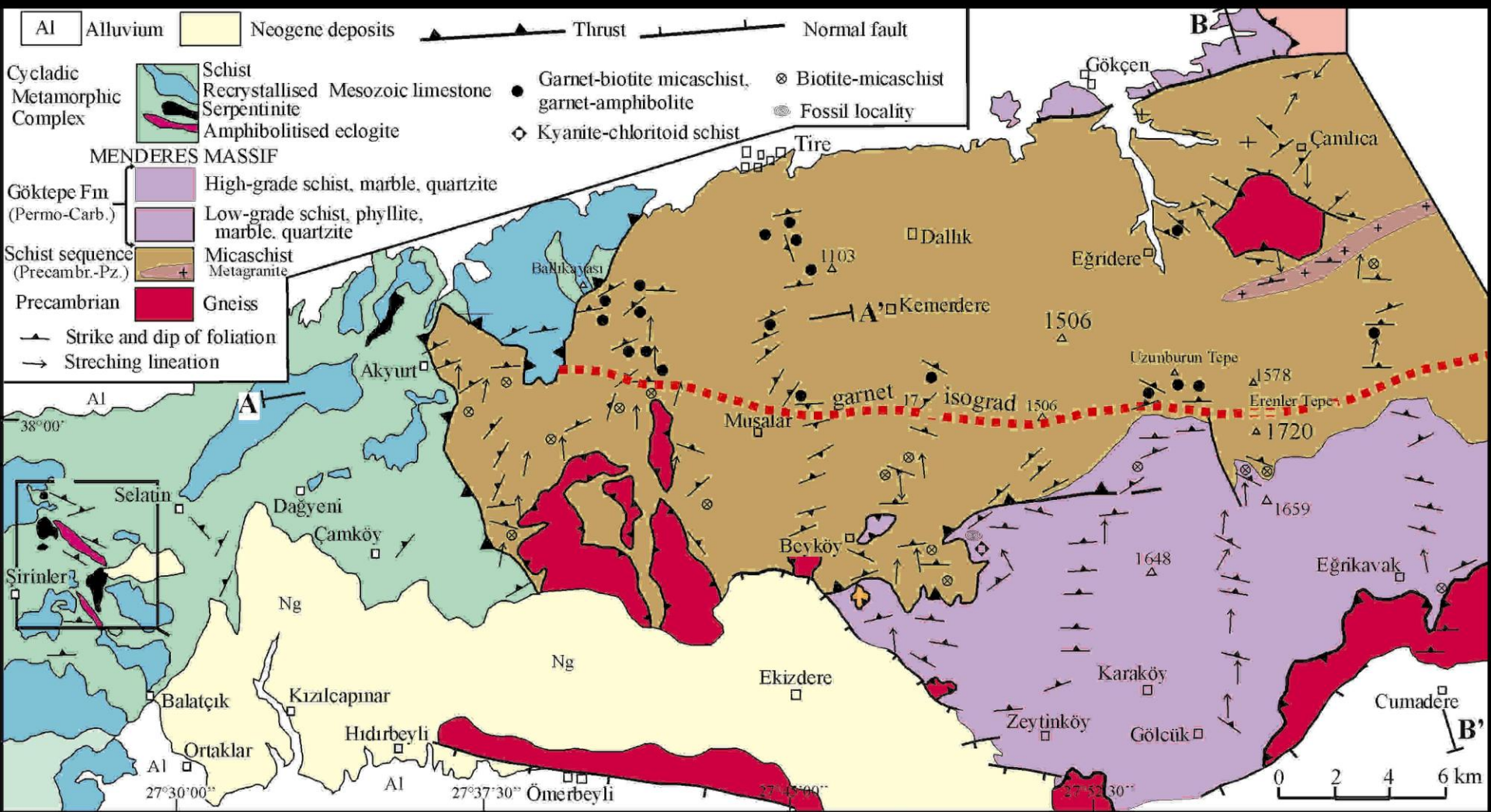


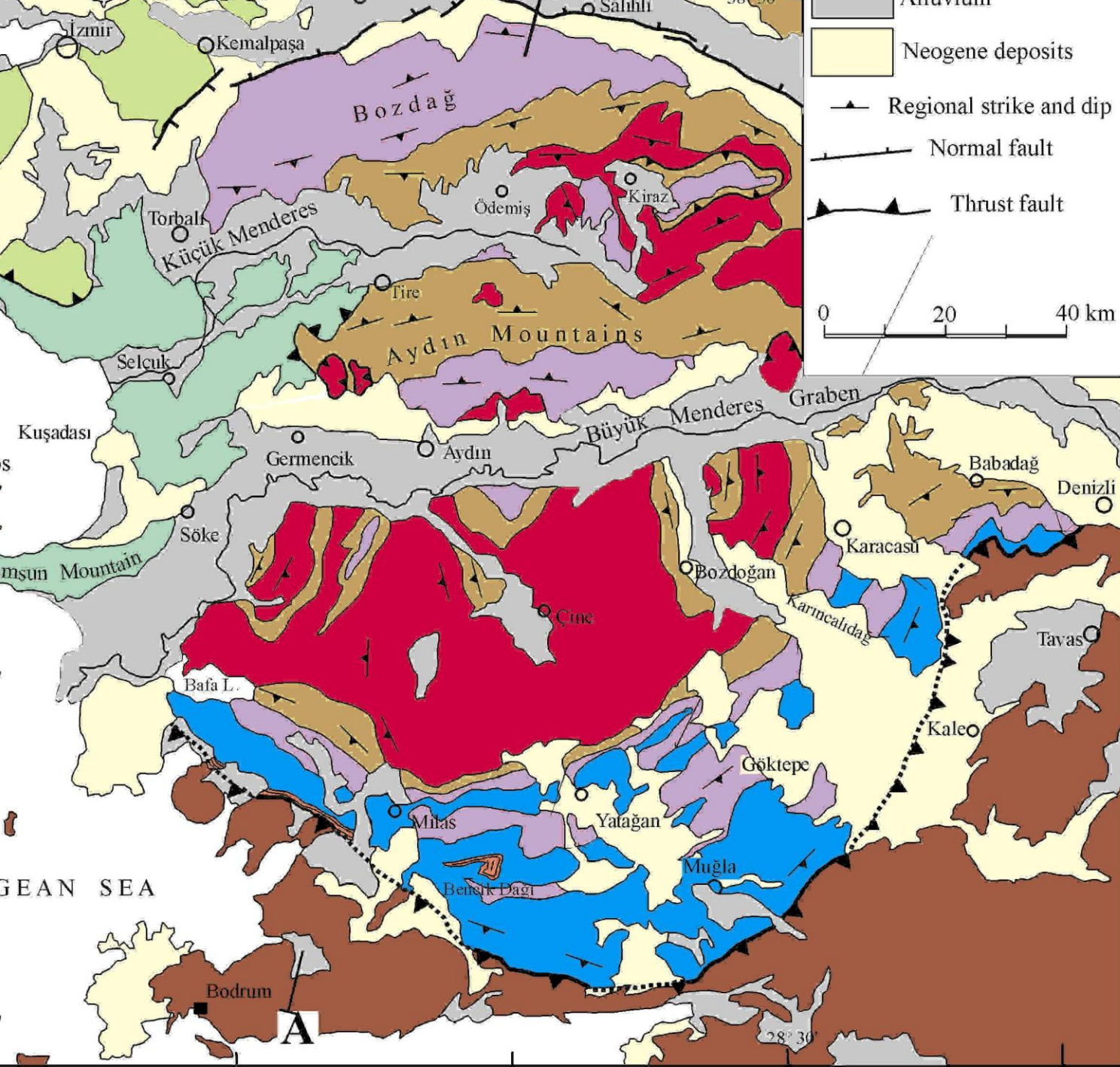




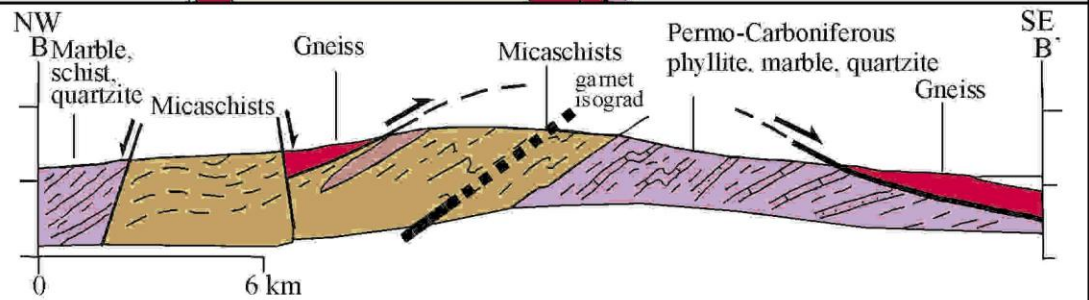
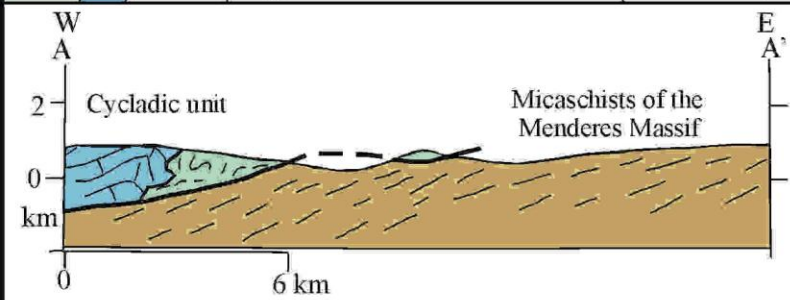




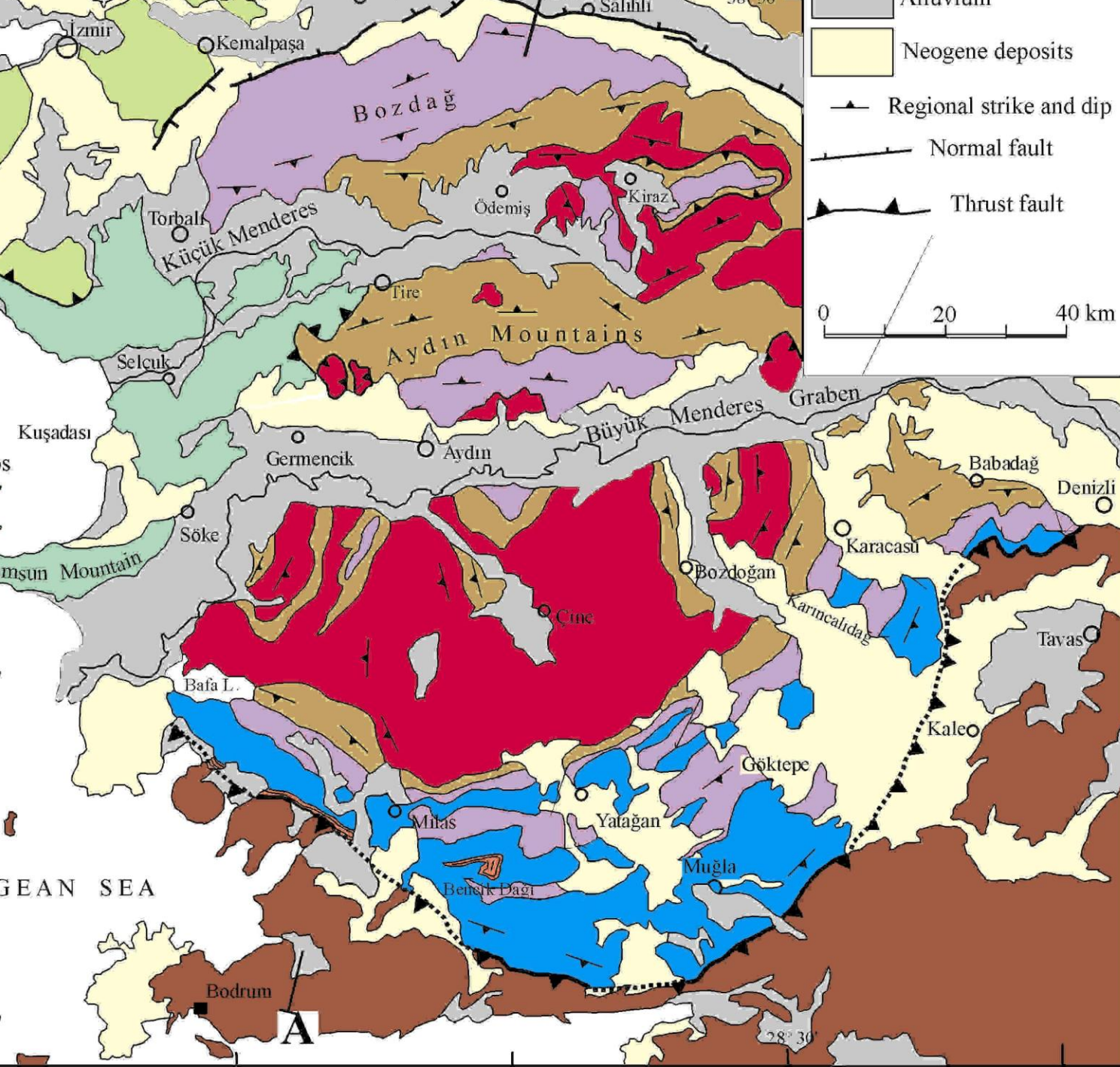




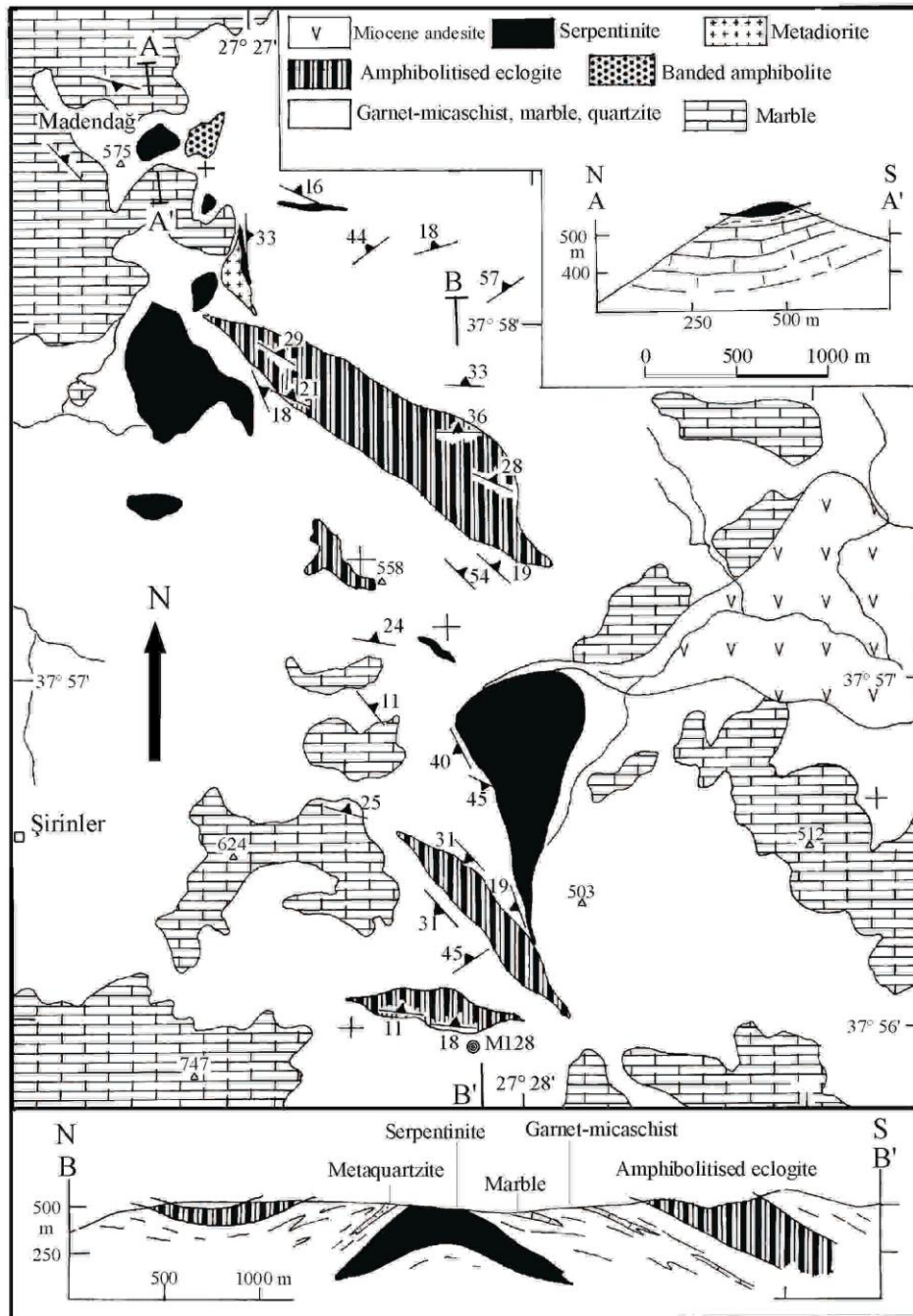
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- Paleozoic - Precambrian**
- Micaschist (Schist sequence)**
- Cambrian - Precambrian**
- Gneiss**





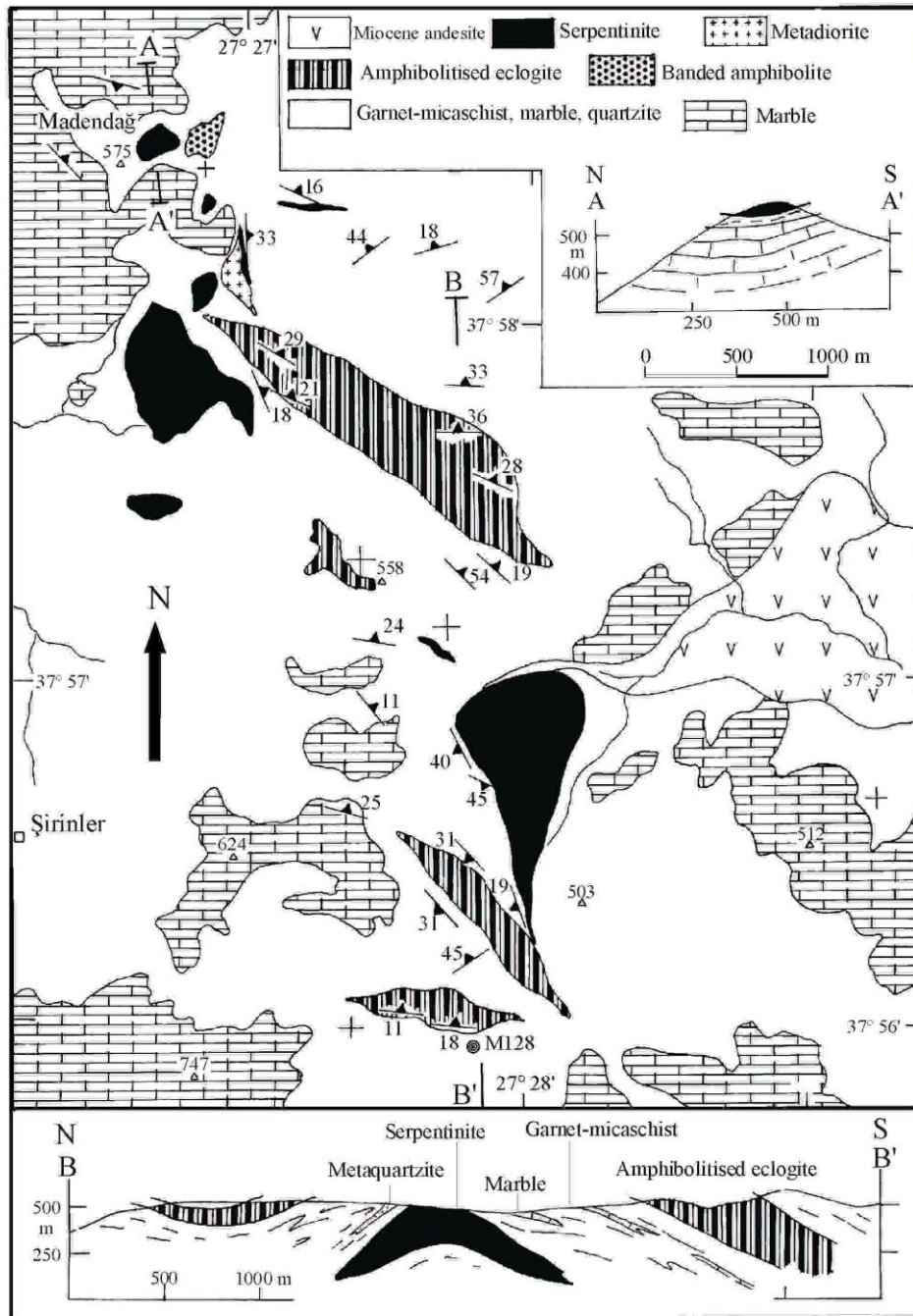


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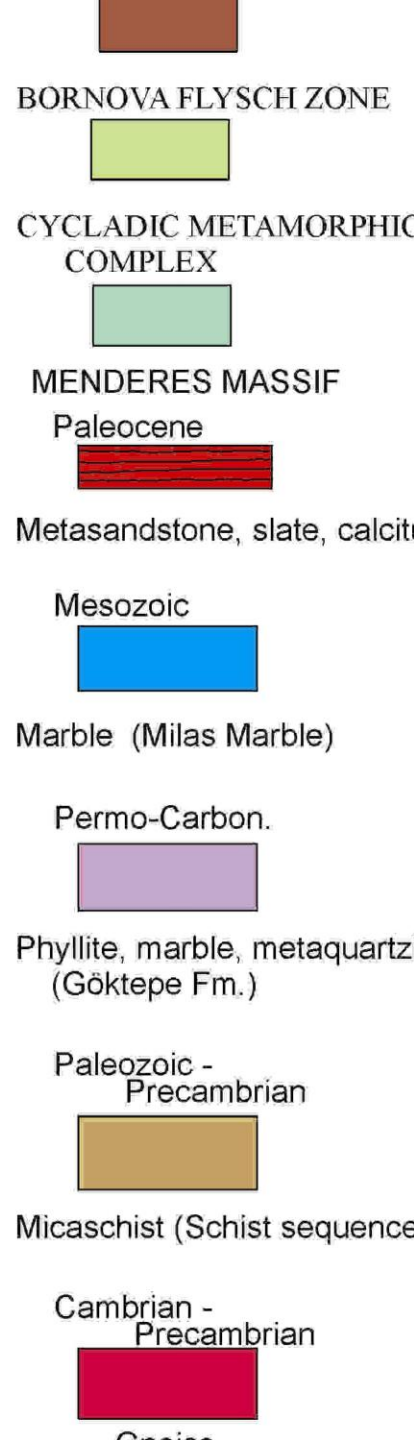
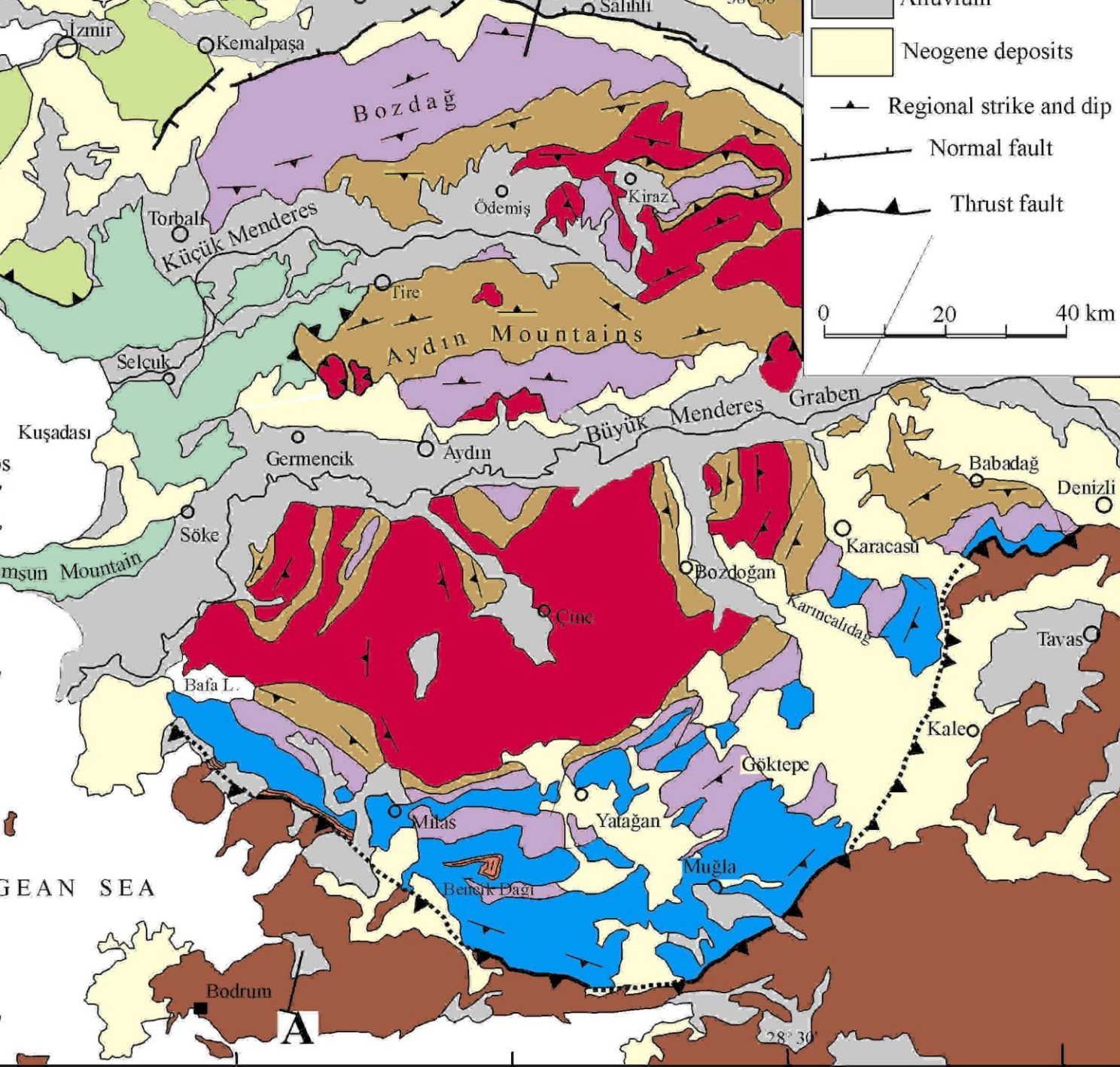


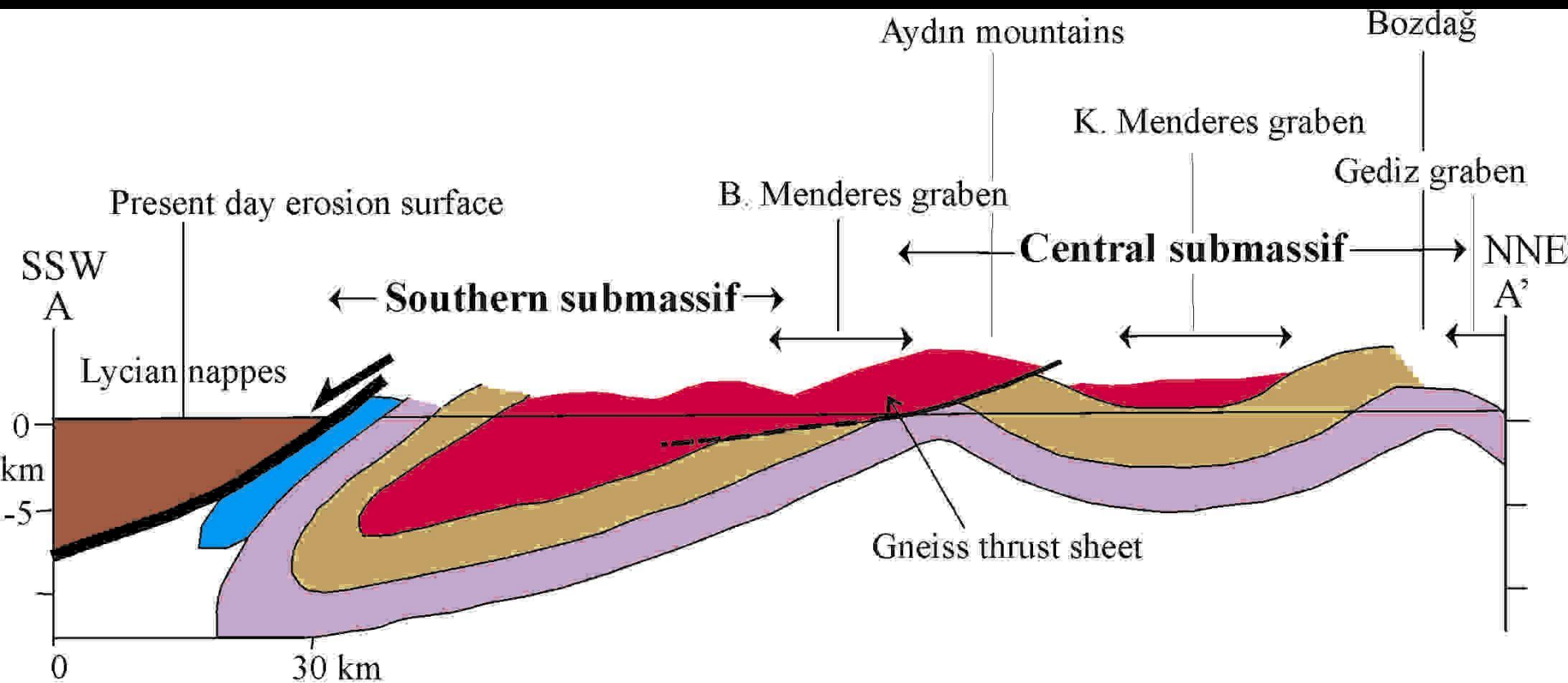


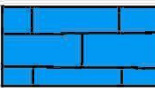





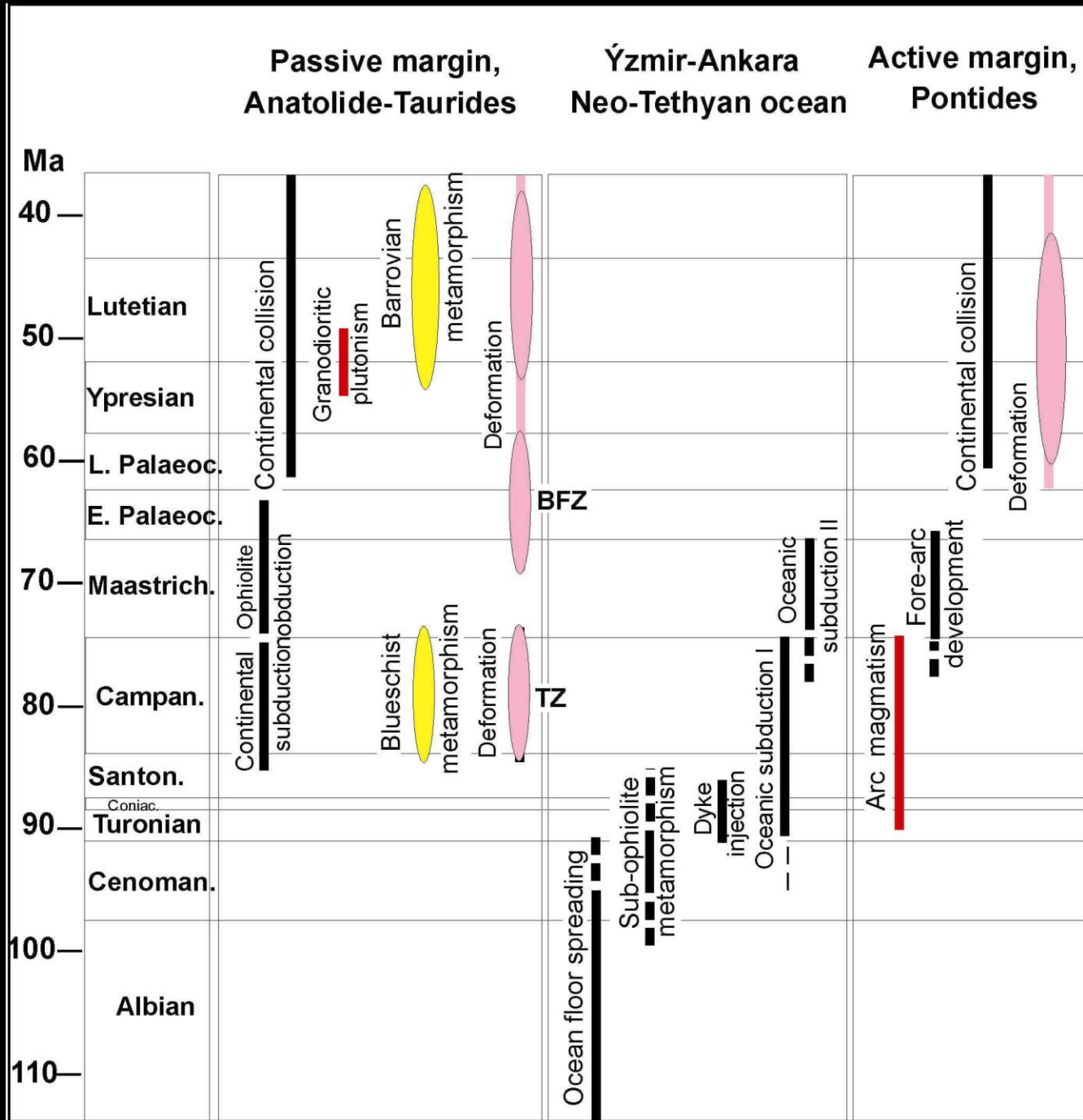








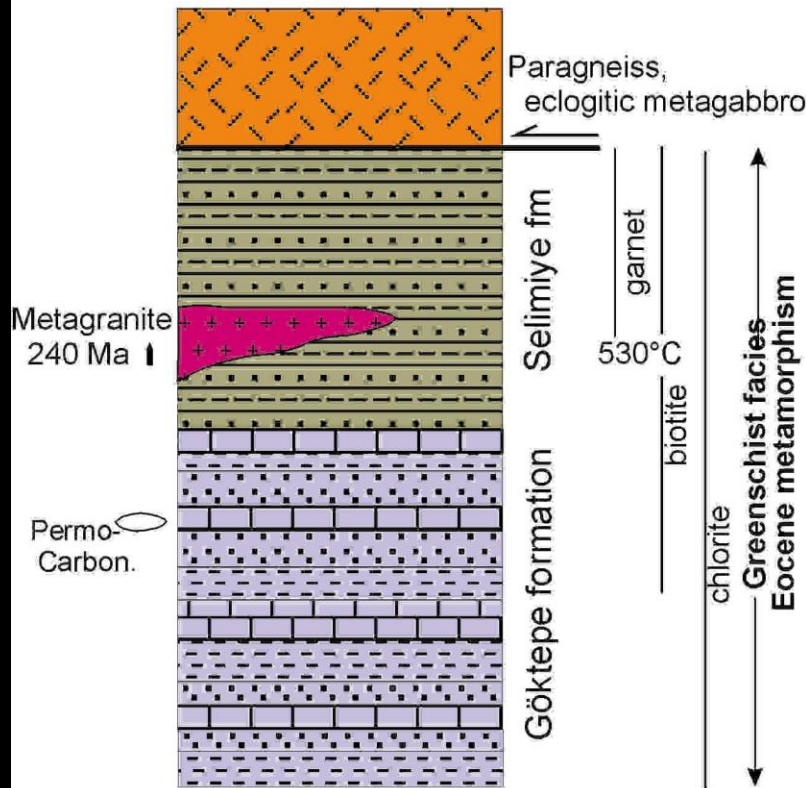
- | | |
|---|---|
|  Mesozoic-Paleocene marble |  Permo-Carboniferous phyllite, marble, metaquartzite (Göktepe Formation) |
|  Precambrian-Paleozoic micaschist |  Cambrian-Precambrian orthogneiss |



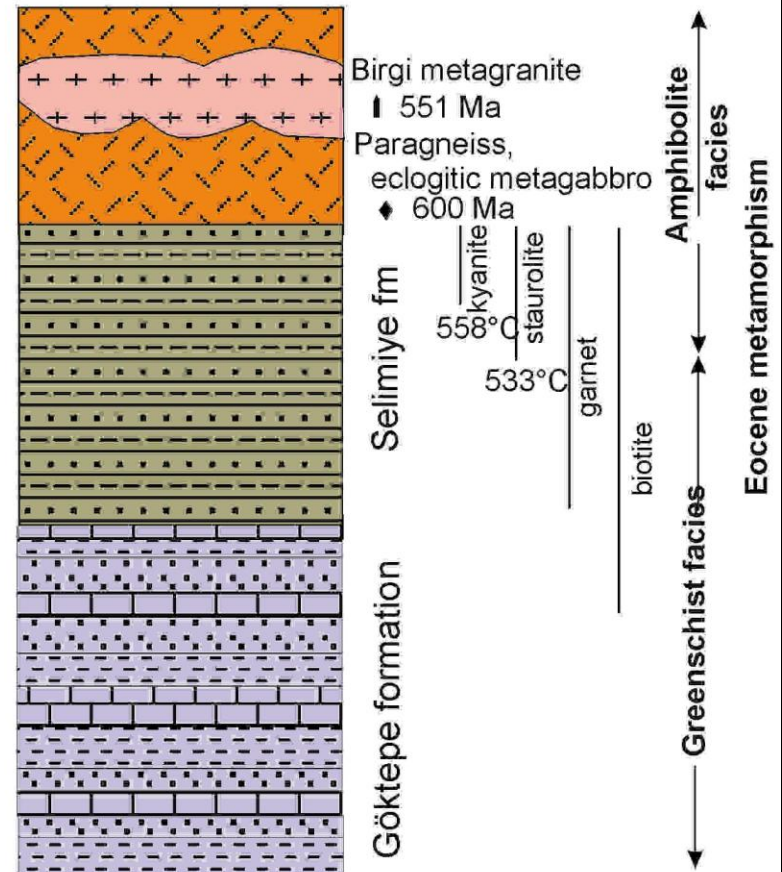
STRATIGRAPHY OF THE MENDERES MASSIF

ÖDEMiŞ SUBMASSIF

Aydın Mountains



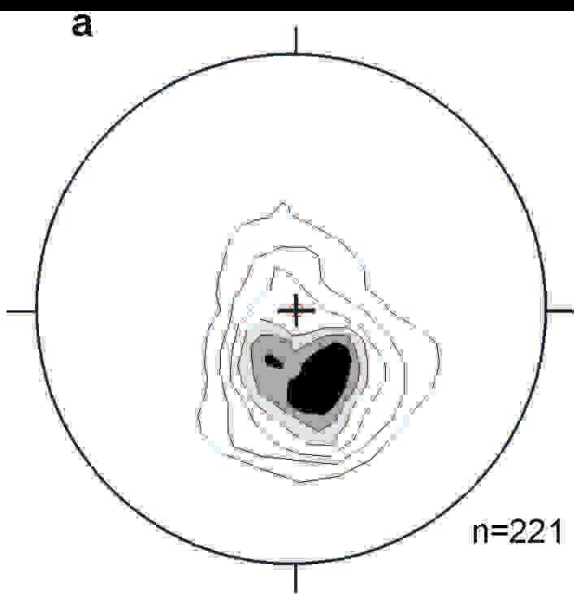
Bozdağ



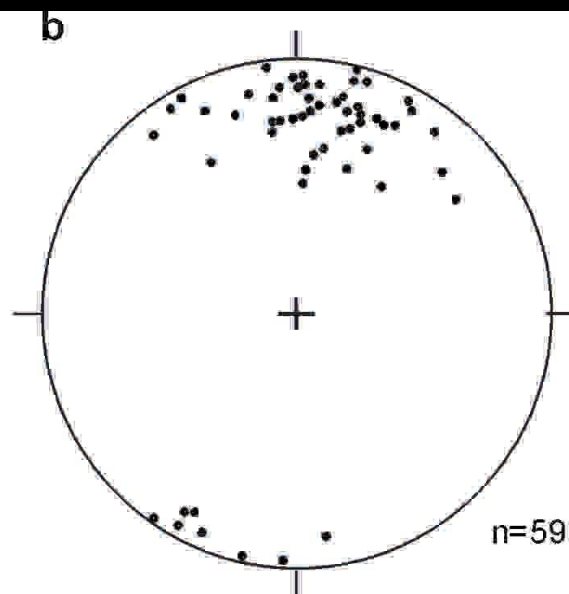
▮ Pb-Pb or U-Pb zircon age, ◊ Monazite age, Ar Argon-argon mica age, Rb-Sr Rubidium-Strontium mica age

○ Neritic foraminifera, ◡ Globotruncana-type pelagic foraminifera, ⊕ Globogerina-type pelagic foraminifera,

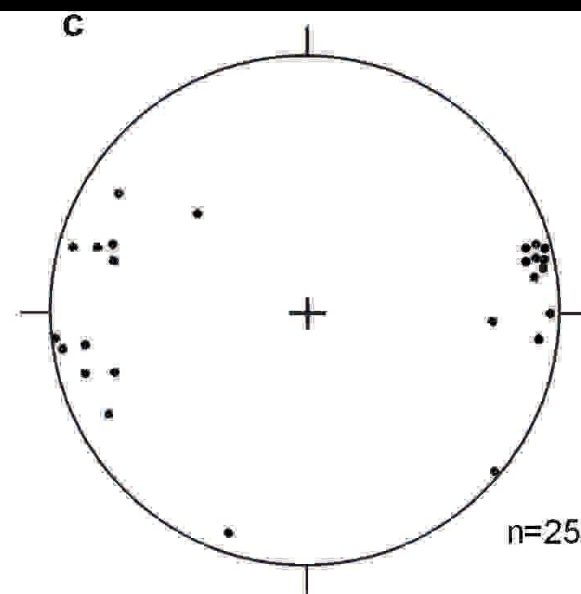
◡ Rudists



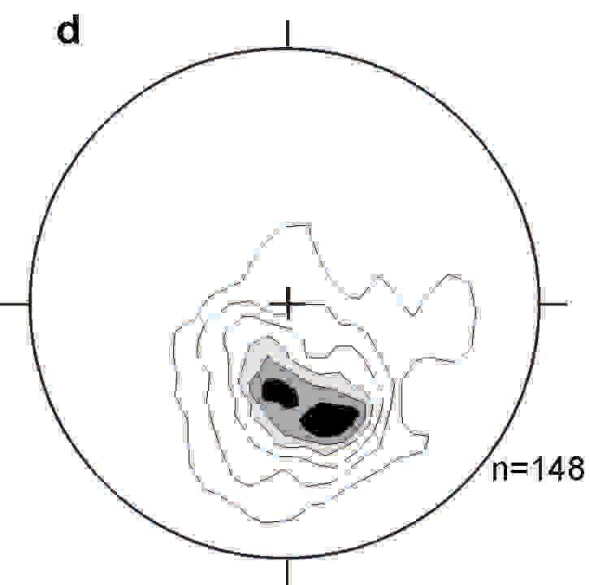
Foliation in the schist sequence



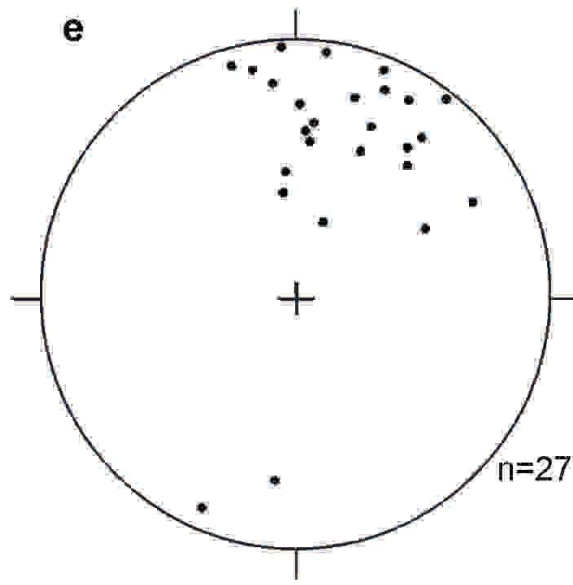
Mineral lineation in the schist sequence



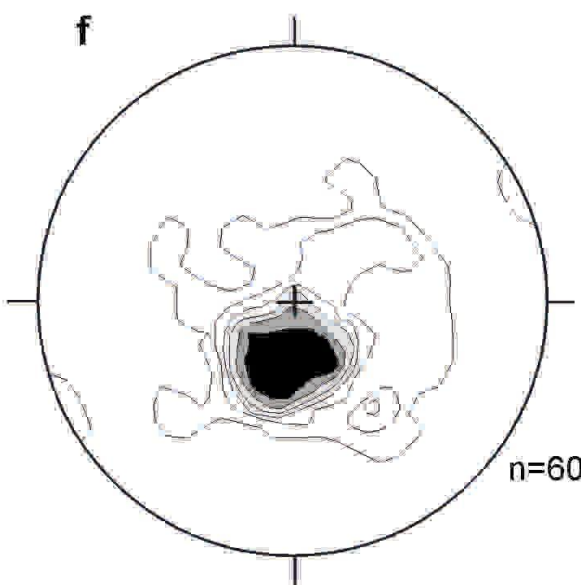
Axis of the kink bands in the schist sequence



Foliation in the Göktepe formation



Lineation in the Göktepe formation



Foliation in the Cycladic unit