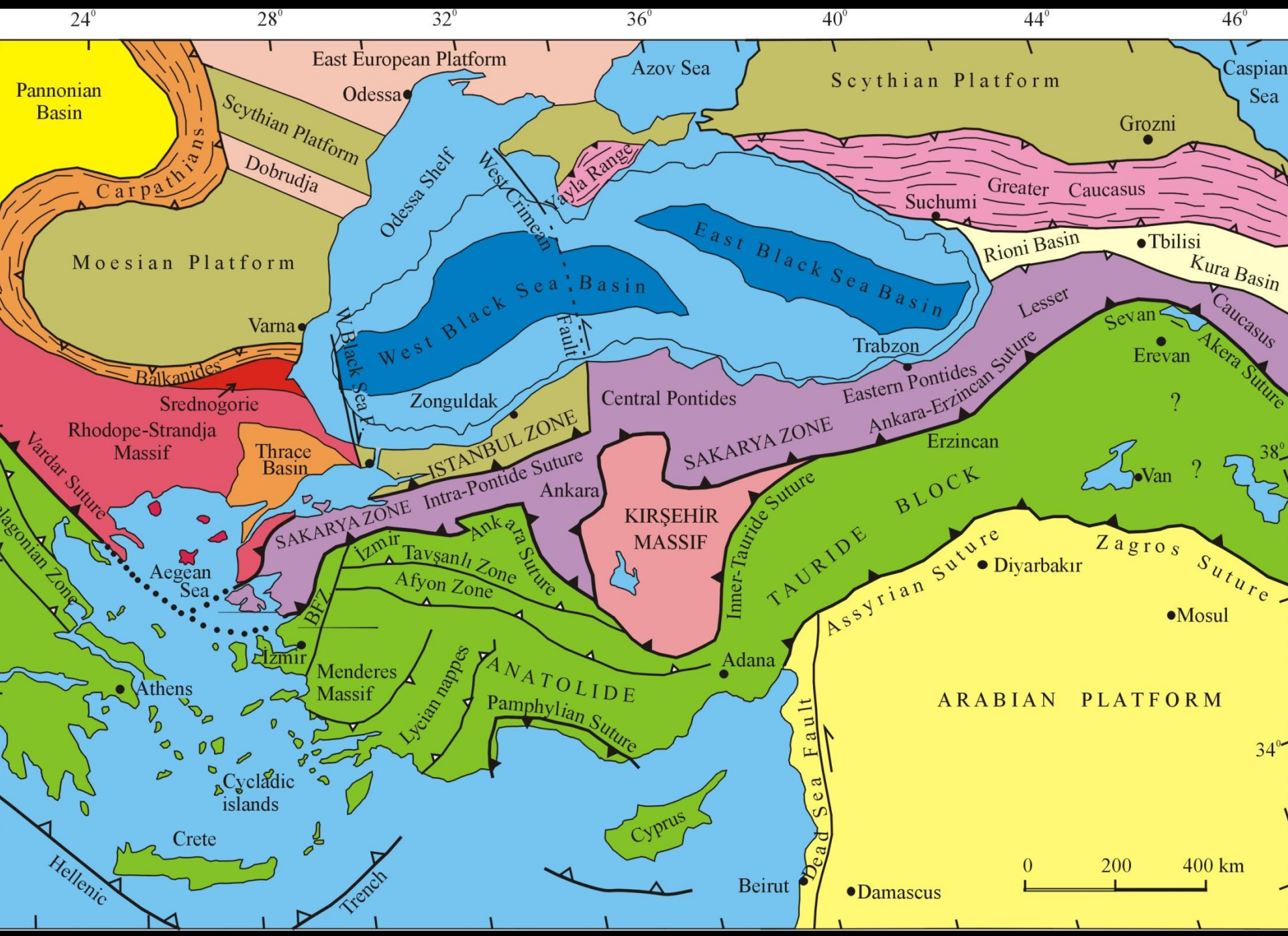


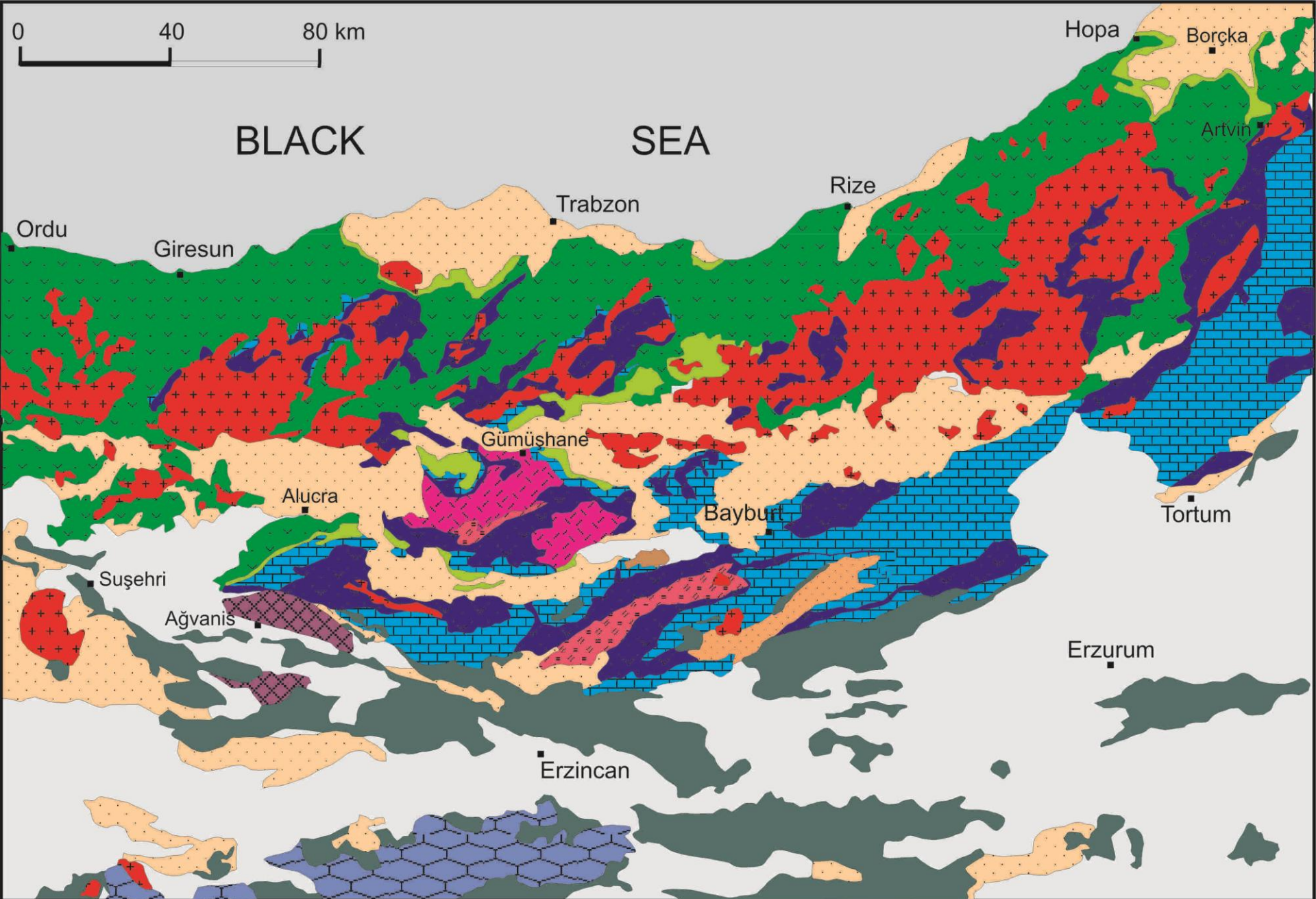
DOĞU PONTİDLERİN JEOLojİSİ

Aral Okay

İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Müh. Bölümü,
ve Avrasya Yerbilimleri Enstitüsü, Ayazağa 80626, İstanbul







PONTIDES

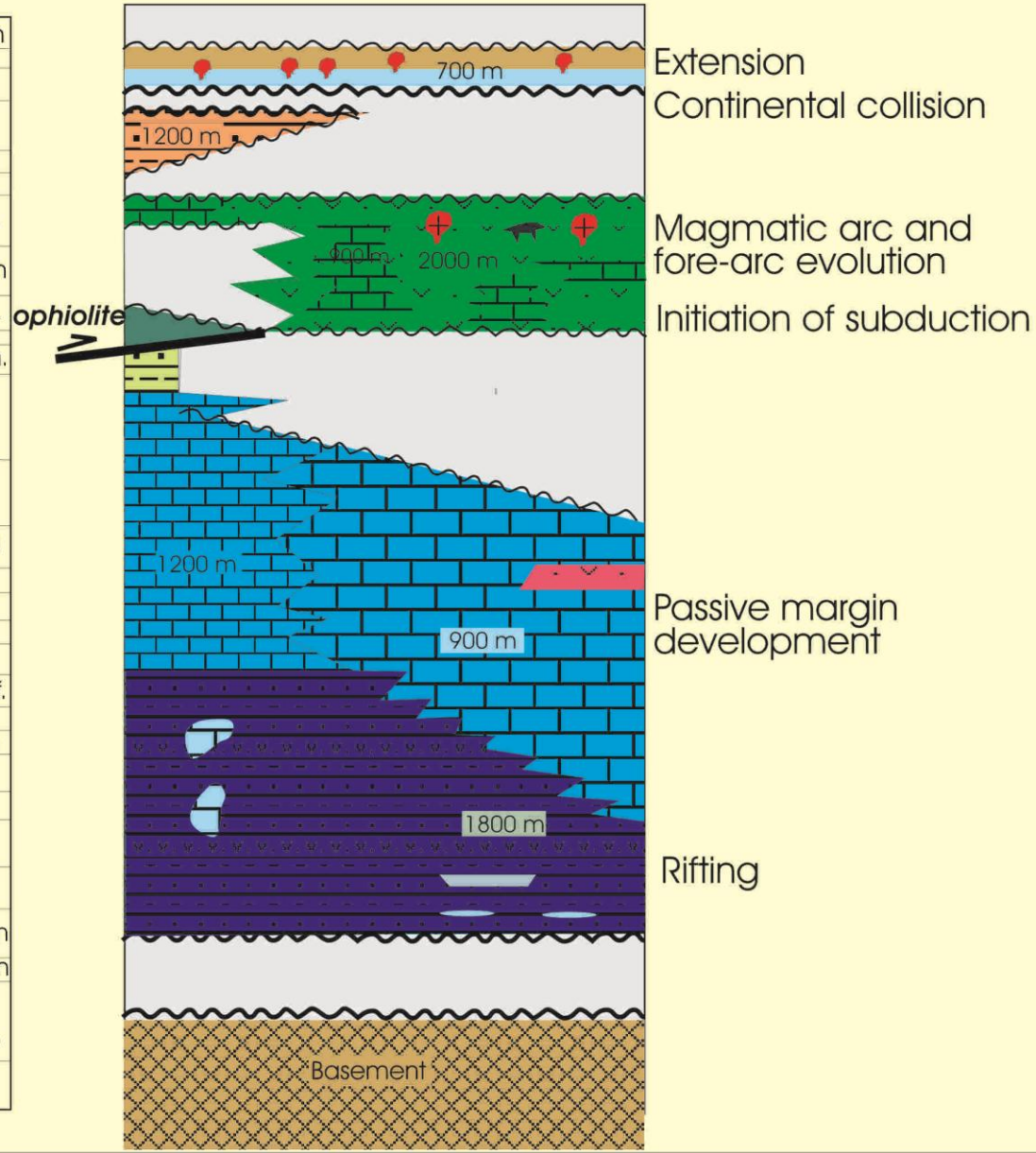
Inner Pontides

Outer Pontides

S

N

PAL. EOCENE	Priabonian
	Bartonian
PAL. EOCENE	Lutetian
	Ypresian
PAL. EOCENE	Thanetian
	Danian
CRETACEOUS	Maastrich.
	Campanian
	Sant.-Con.
	Turonian
	Cenoman.
	Albian
	Aptian
	Barremian
	Hauteriv.
	Valangin.
JURASSIC	Berriasian
	Tithonian
	Kimm.-Oxf.
	Callovian
	Bathonian
	Bajocian
	Aalenian
	Toarcian
	Pliensb.
	Sinemurian
TRIASSIC	Hettangian
	Nor.-Rhae.



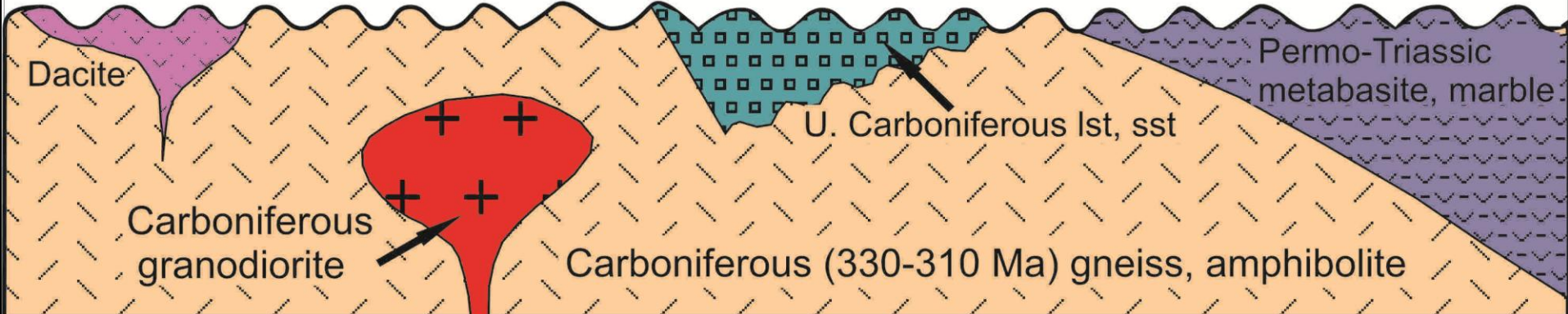
DOĐU PONTİDLERİN JURA ÖNCESİ TEMELİ

HERSİNİYEN VE KİMMERİD
OROJENEZİNİN İZLERİ

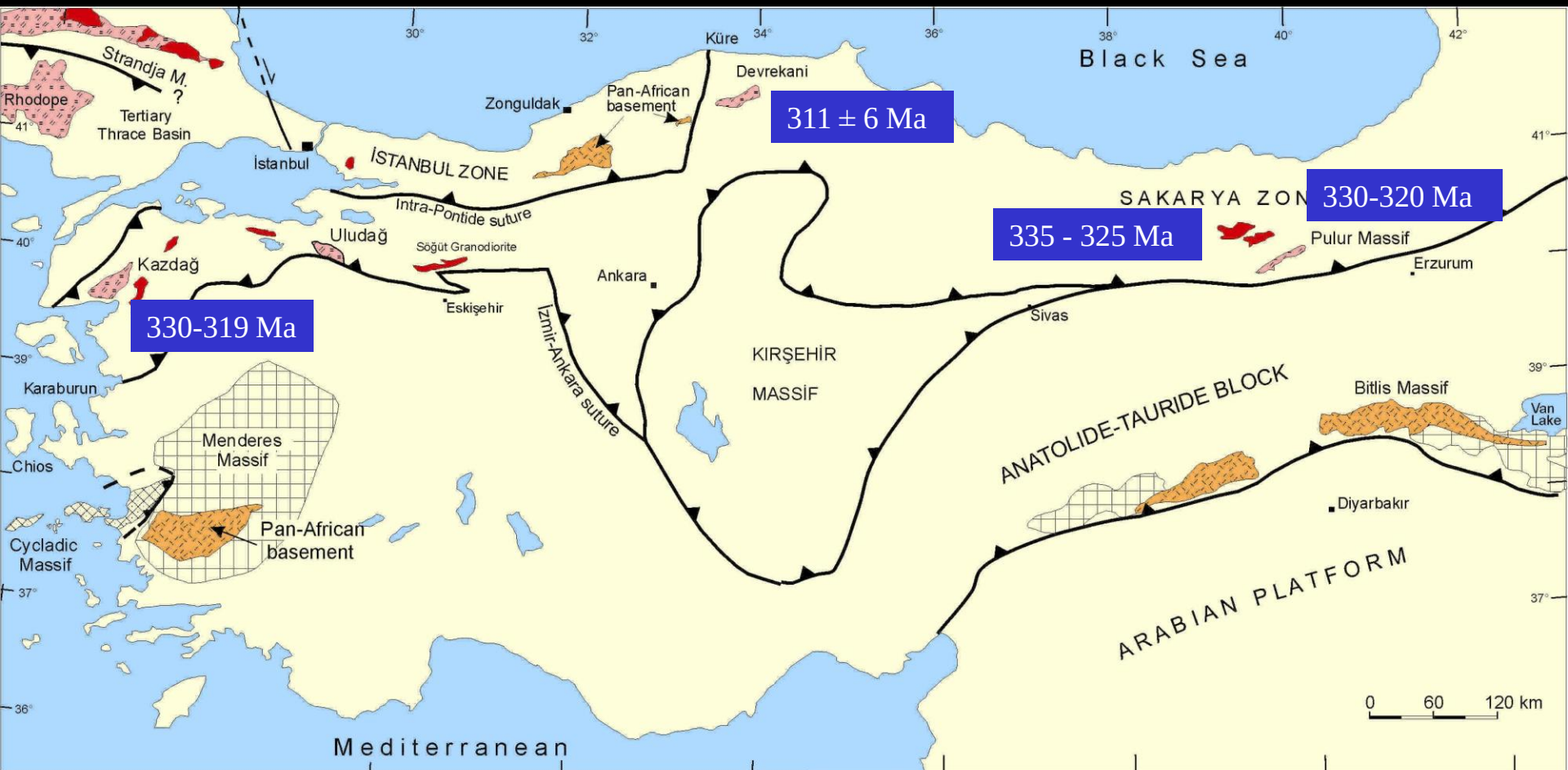
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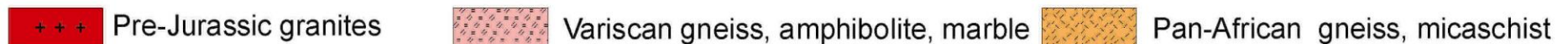
Lower-Middle Jurassic volcanoclastic and clastic rocks



Pre-Jurassic basement units in the Eastern Pontides

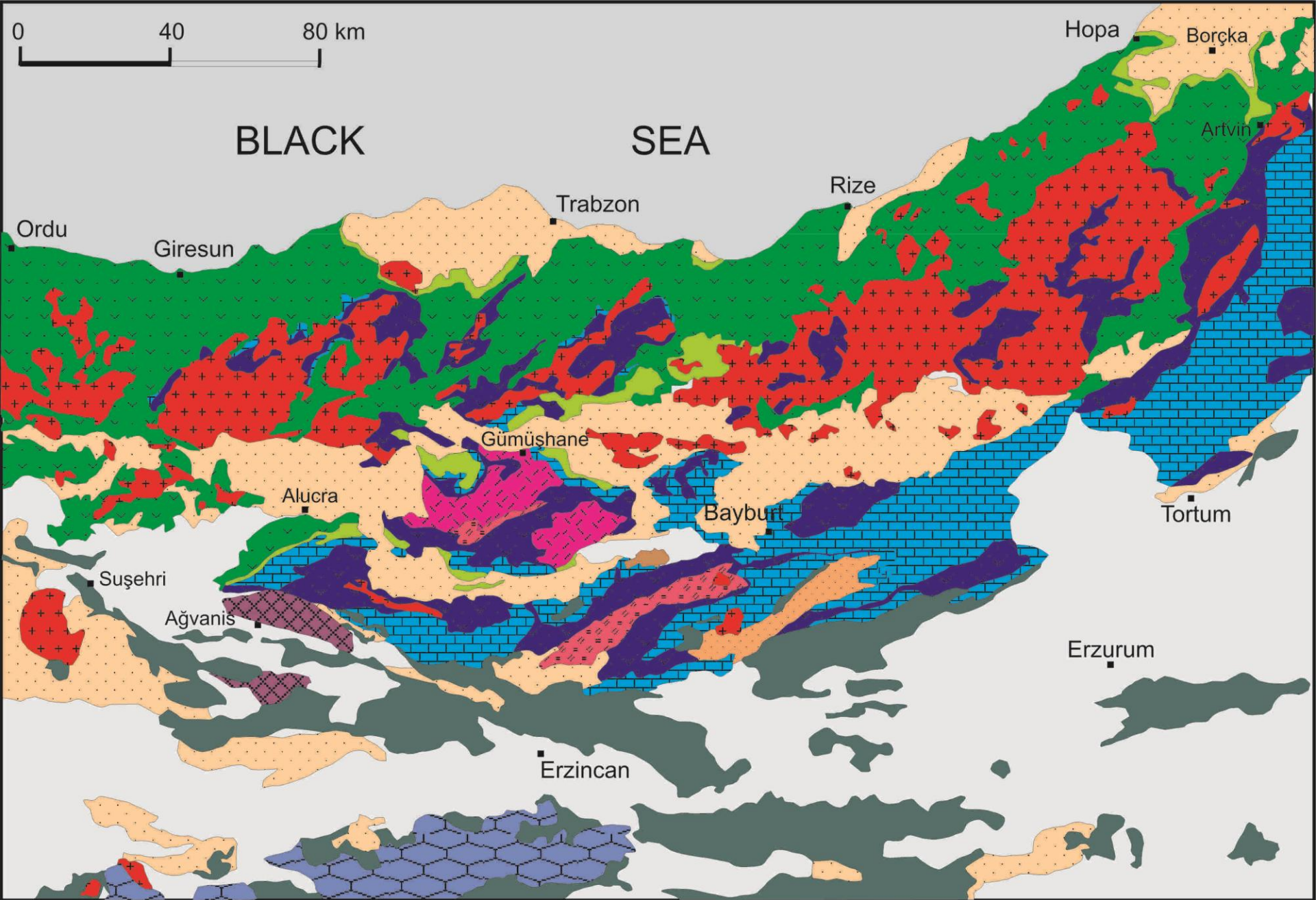


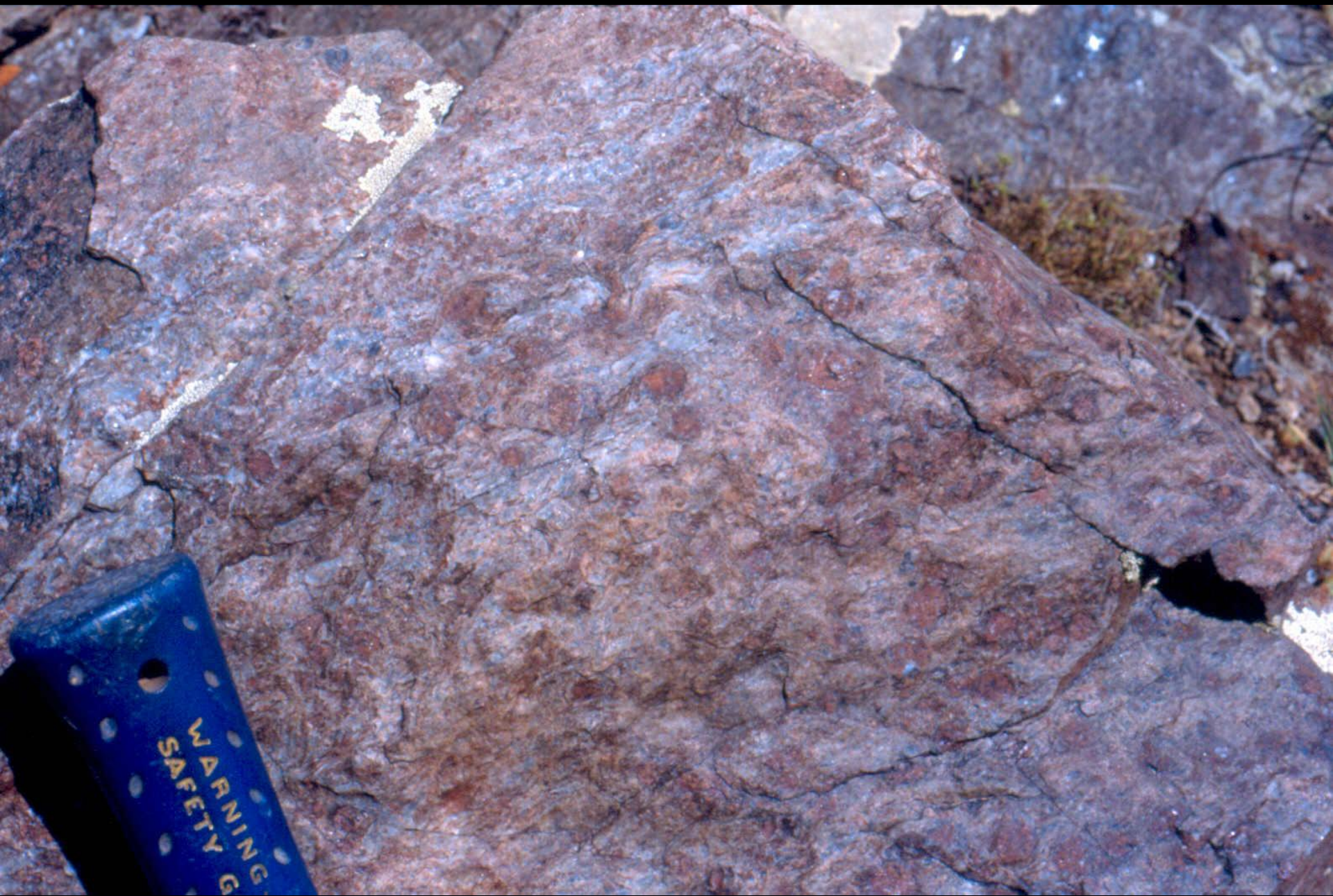
Crystalline basement



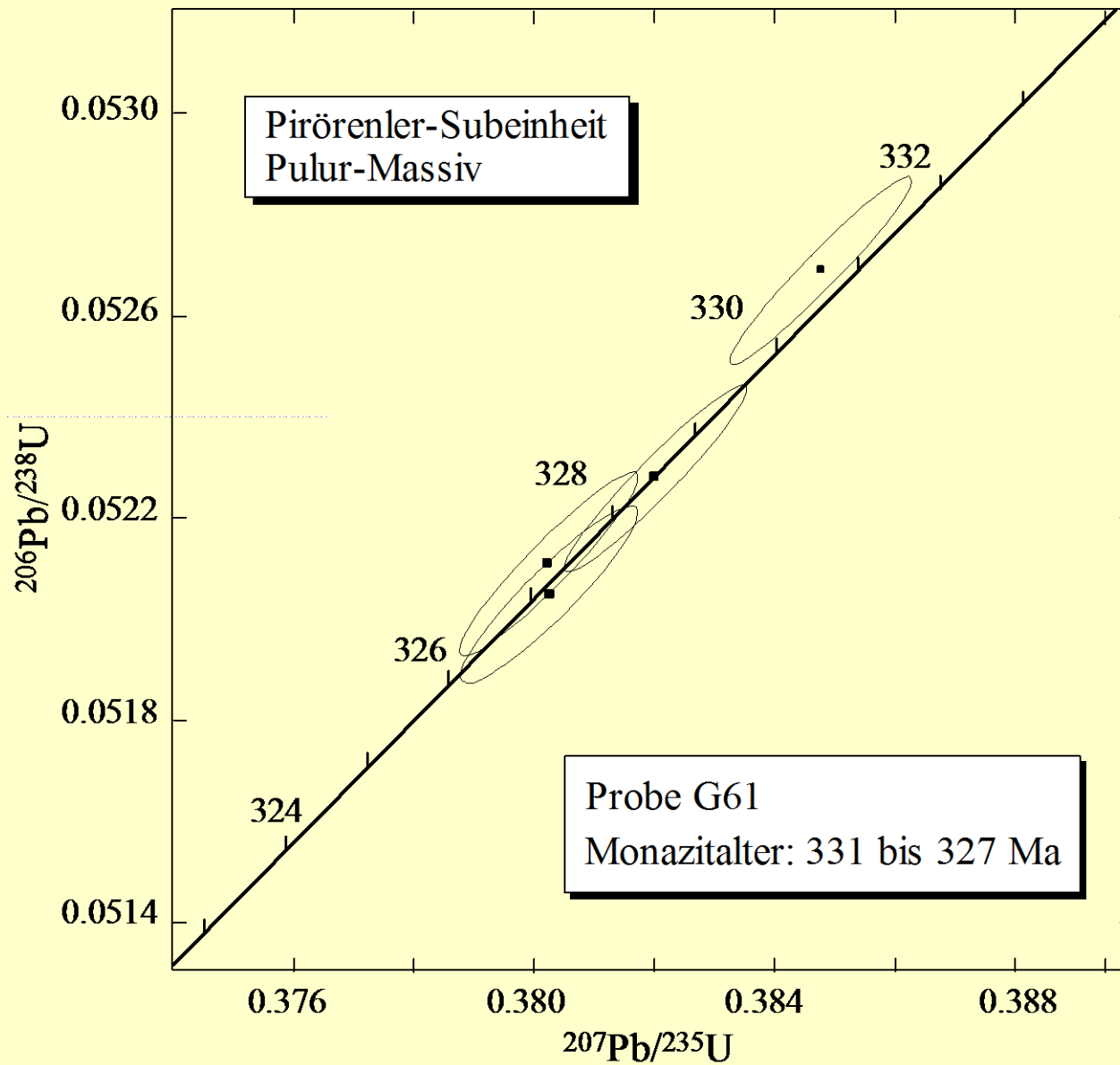
PULUR MASİFİ

**ERKEN KARBONİFER YAŞTA
HERSİNİYEN METAMORFİK TEMEL**

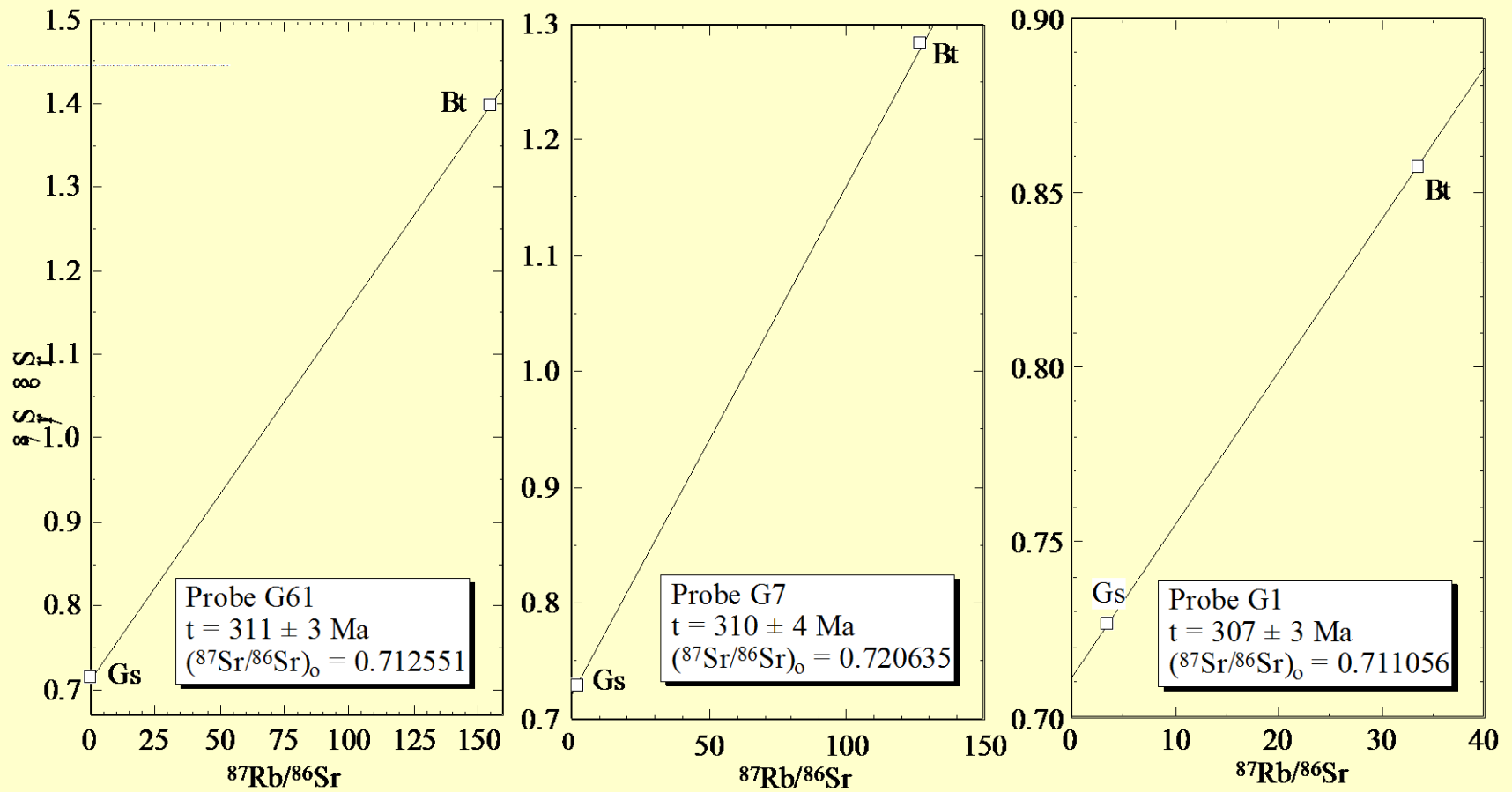








U/Pb monazite ages from the Pulur Massif (Topuz, 1999)

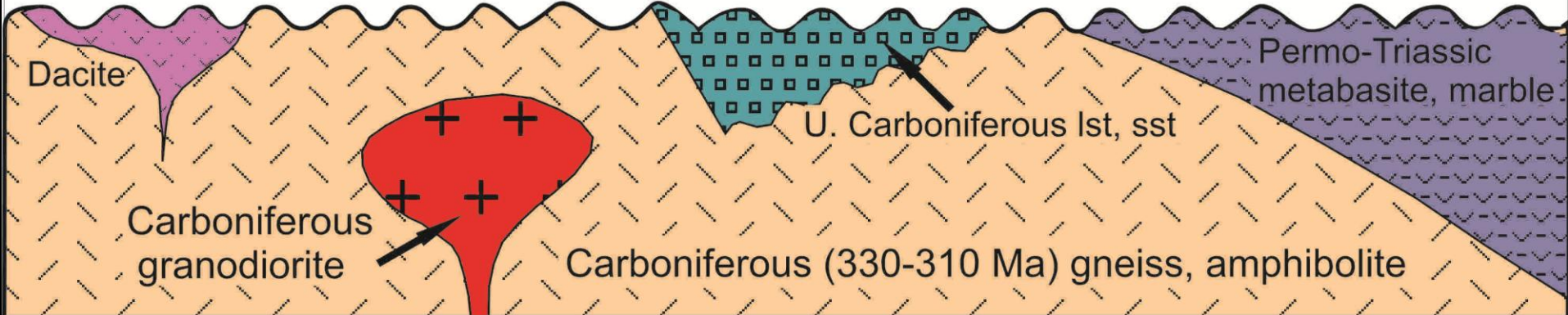


Rb/Sr biotite ages from the Pulur Massif (Topuz, 1999)

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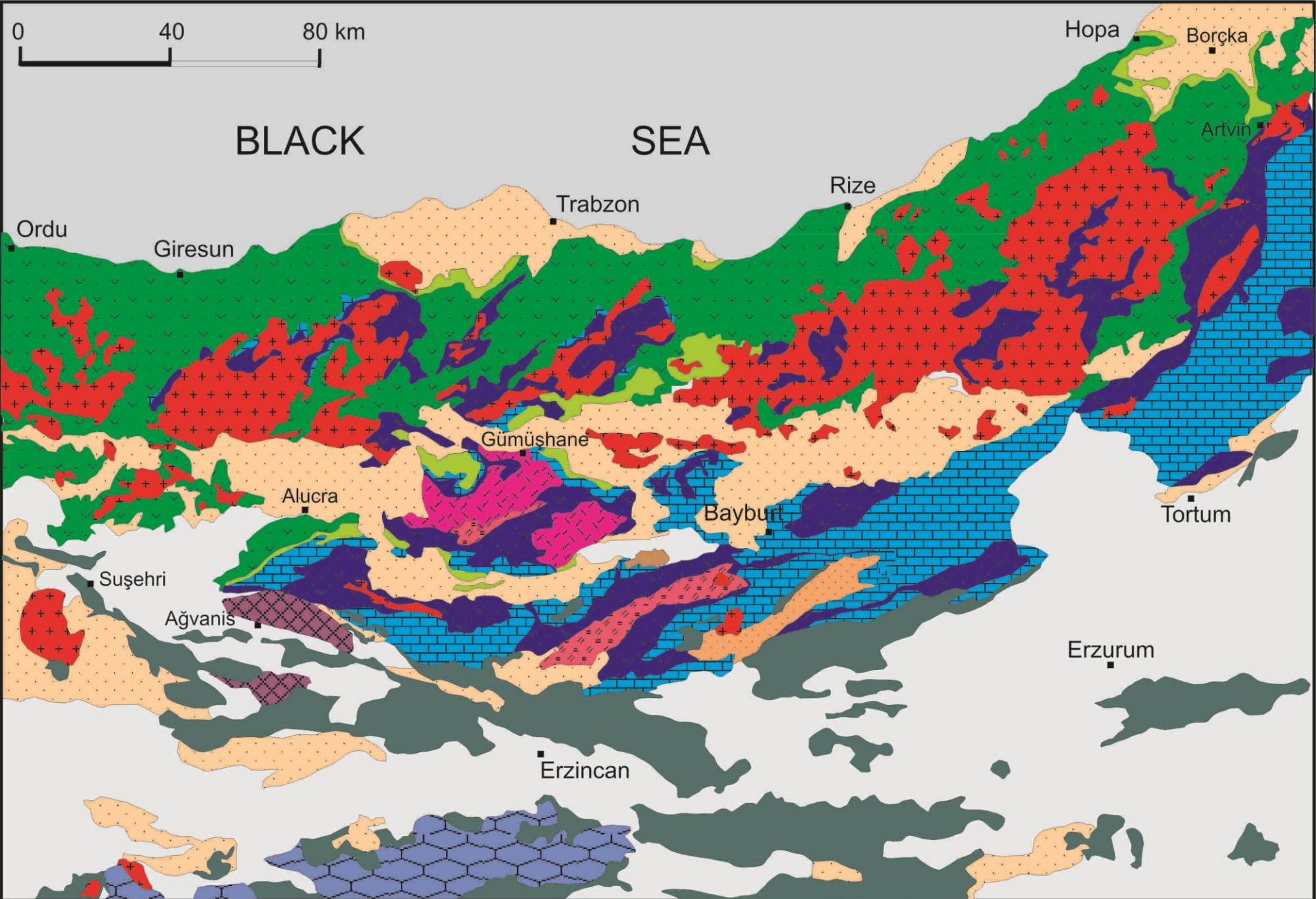
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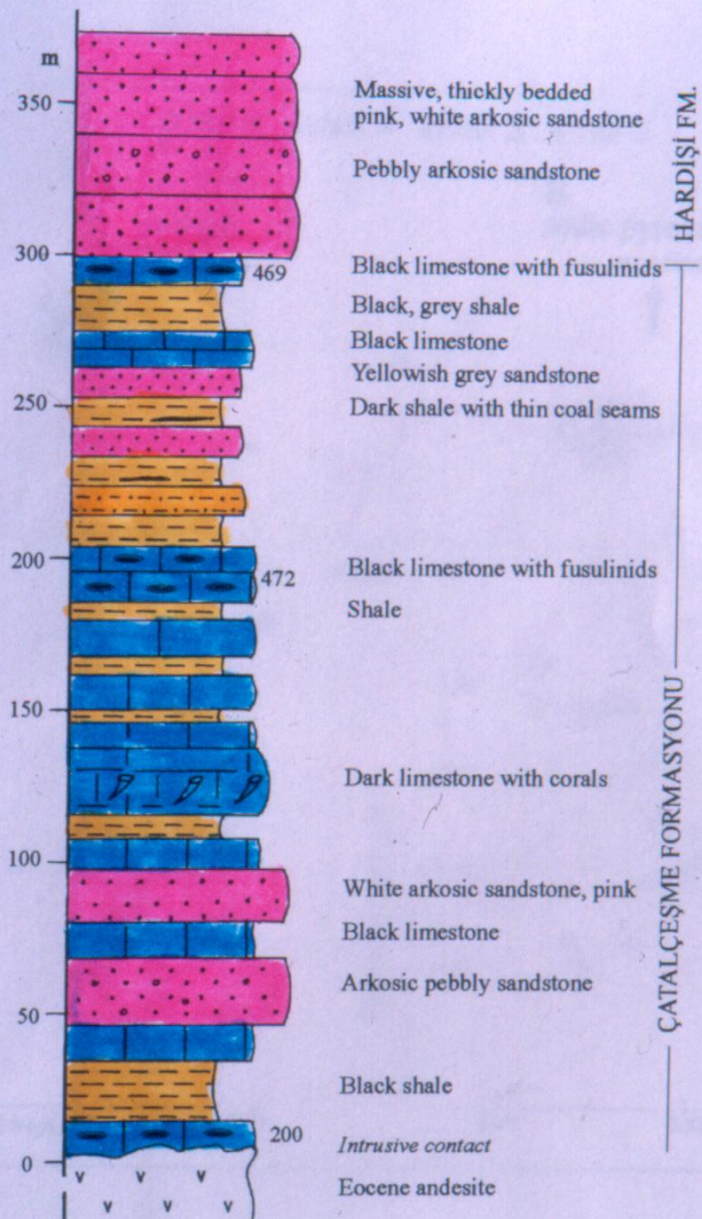
Lower-Middle Jurassic volcanoclastic and clastic rocks



Pre-Jurassic basement units in the Eastern Pontides

PULUR KARBONİFER İSTİFİ
EN GEÇ KARBONİFER YAŞTA
OROJENEZ SONRASI MOLAS
ÇÖKELLERİ

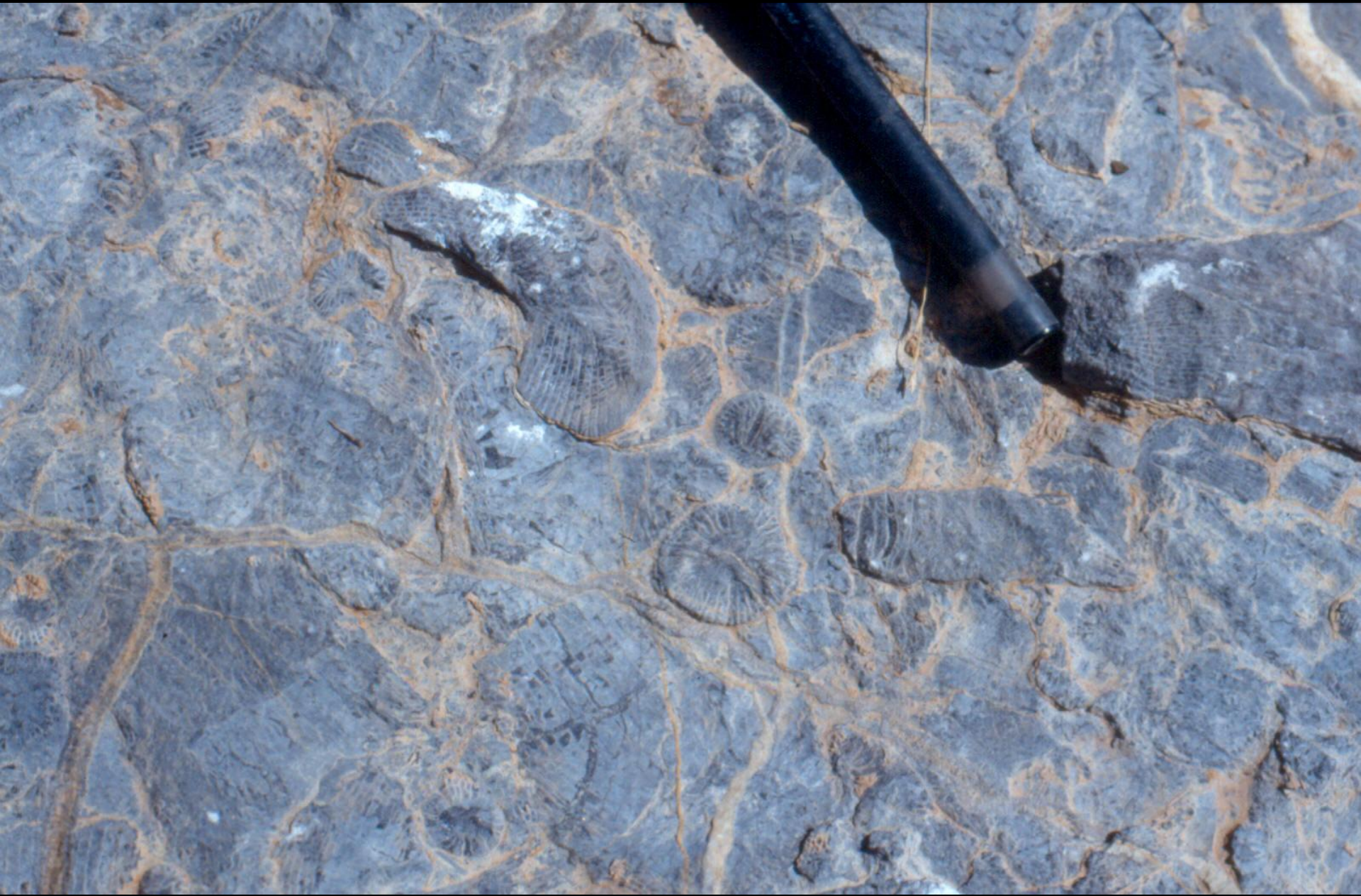


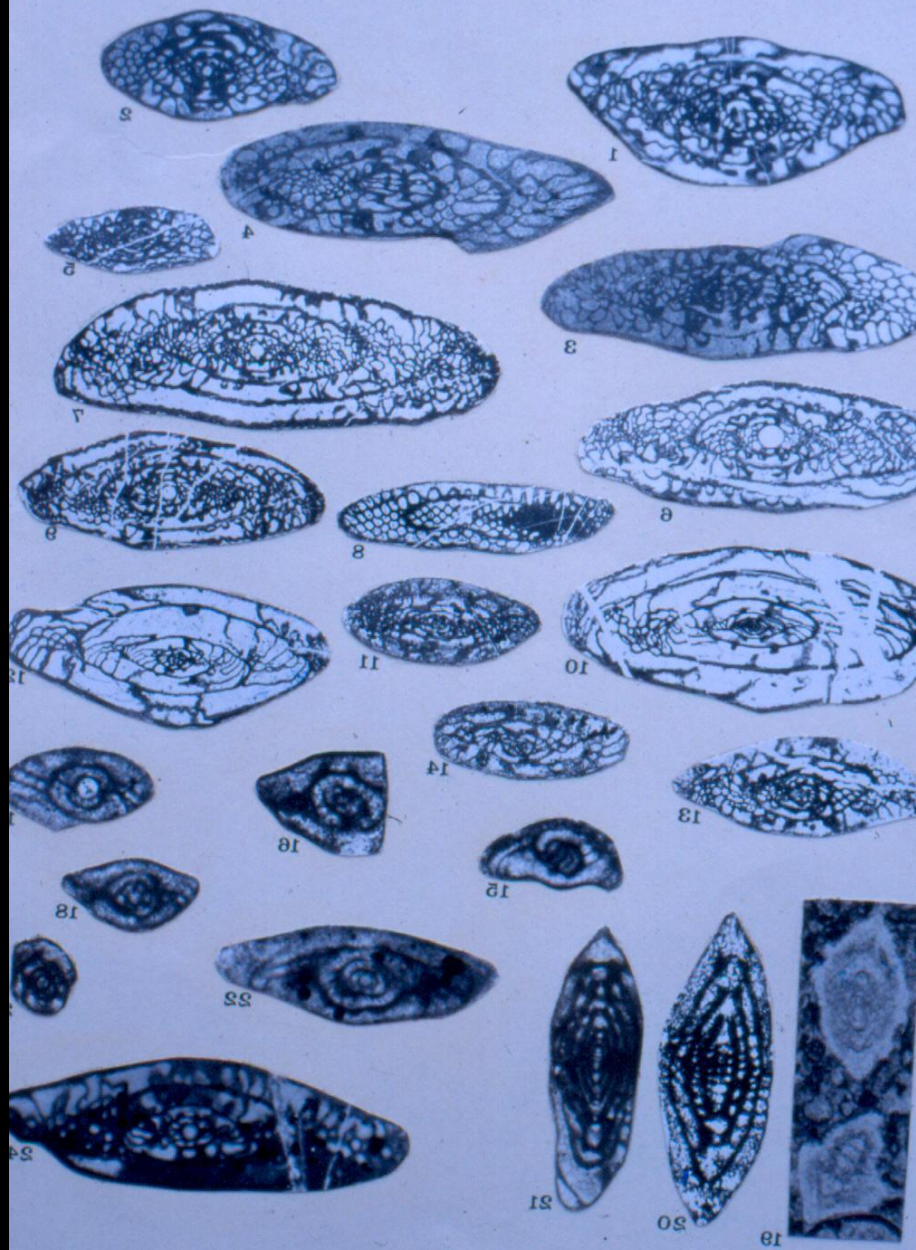


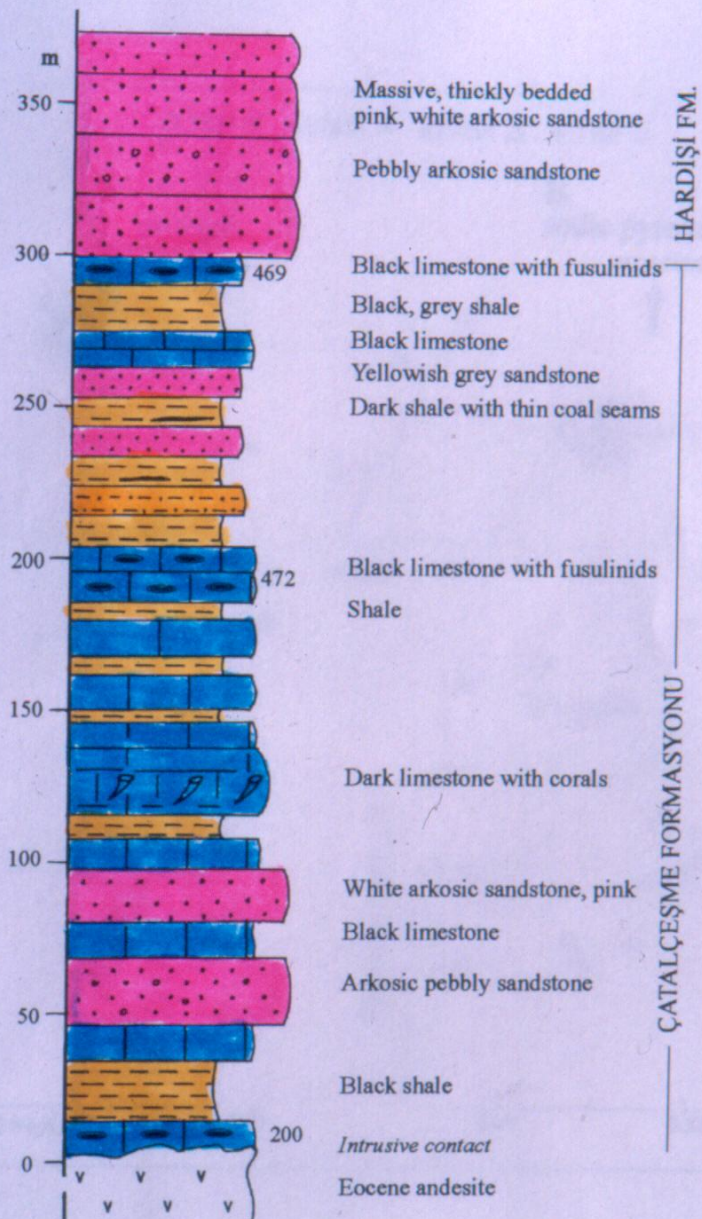
















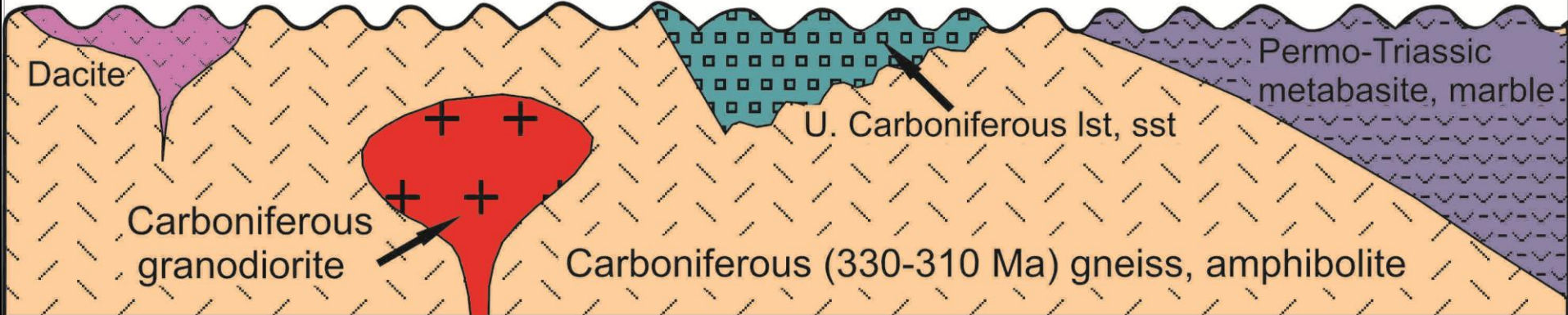




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Lower-Middle Jurassic volcanoclastic and clastic rocks

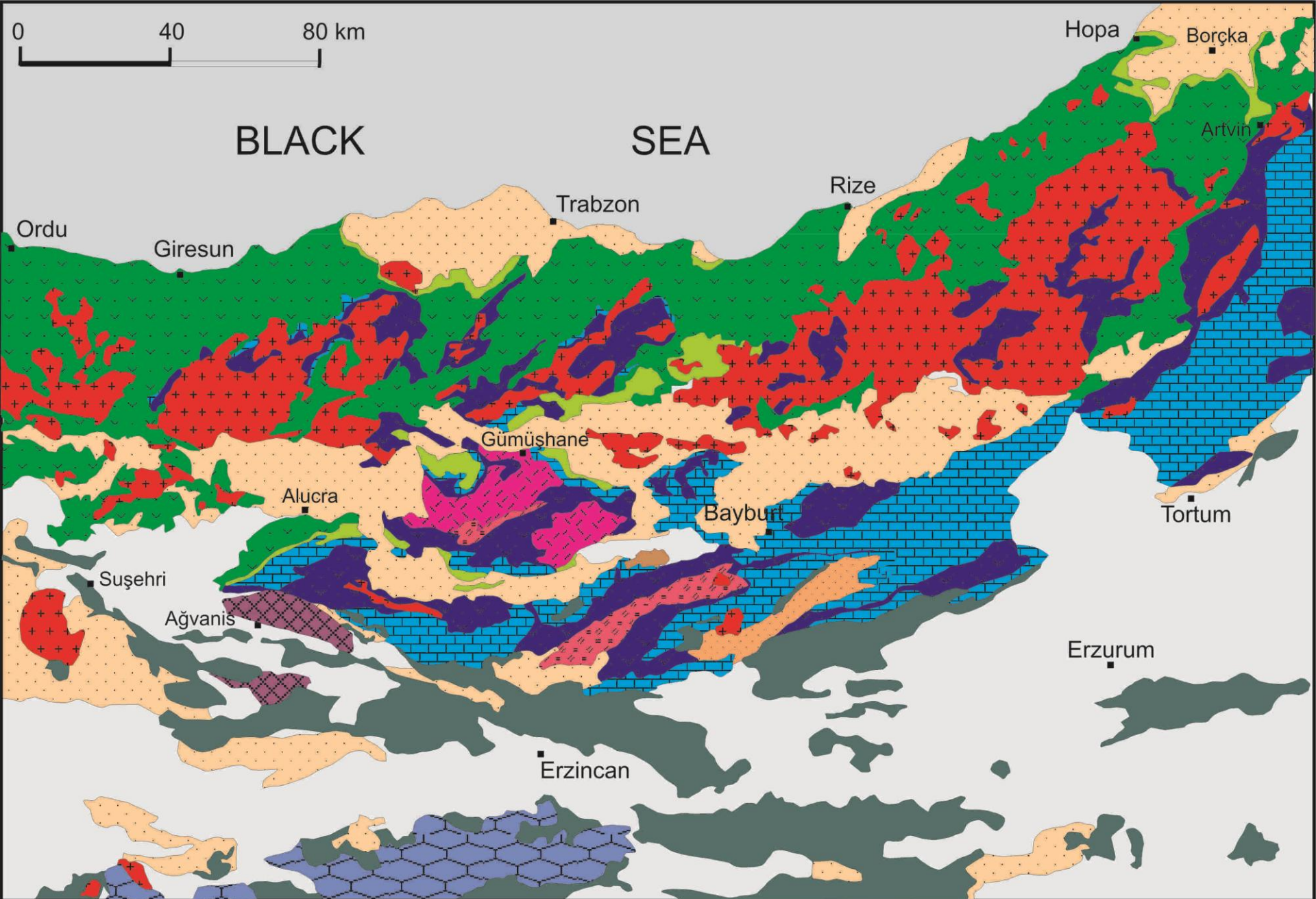


Pre-Jurassic basement units in the Eastern Pontides

AĞVANIS MASİFİ

KİMMERİD YAŞTA METABAZİT-
FİLLAT-MERMER

KARAKAYA KOMPLEKSİ, NİLÜFER
BİRİMİ'NİN DOĞU UZANTISI











PONTIDES

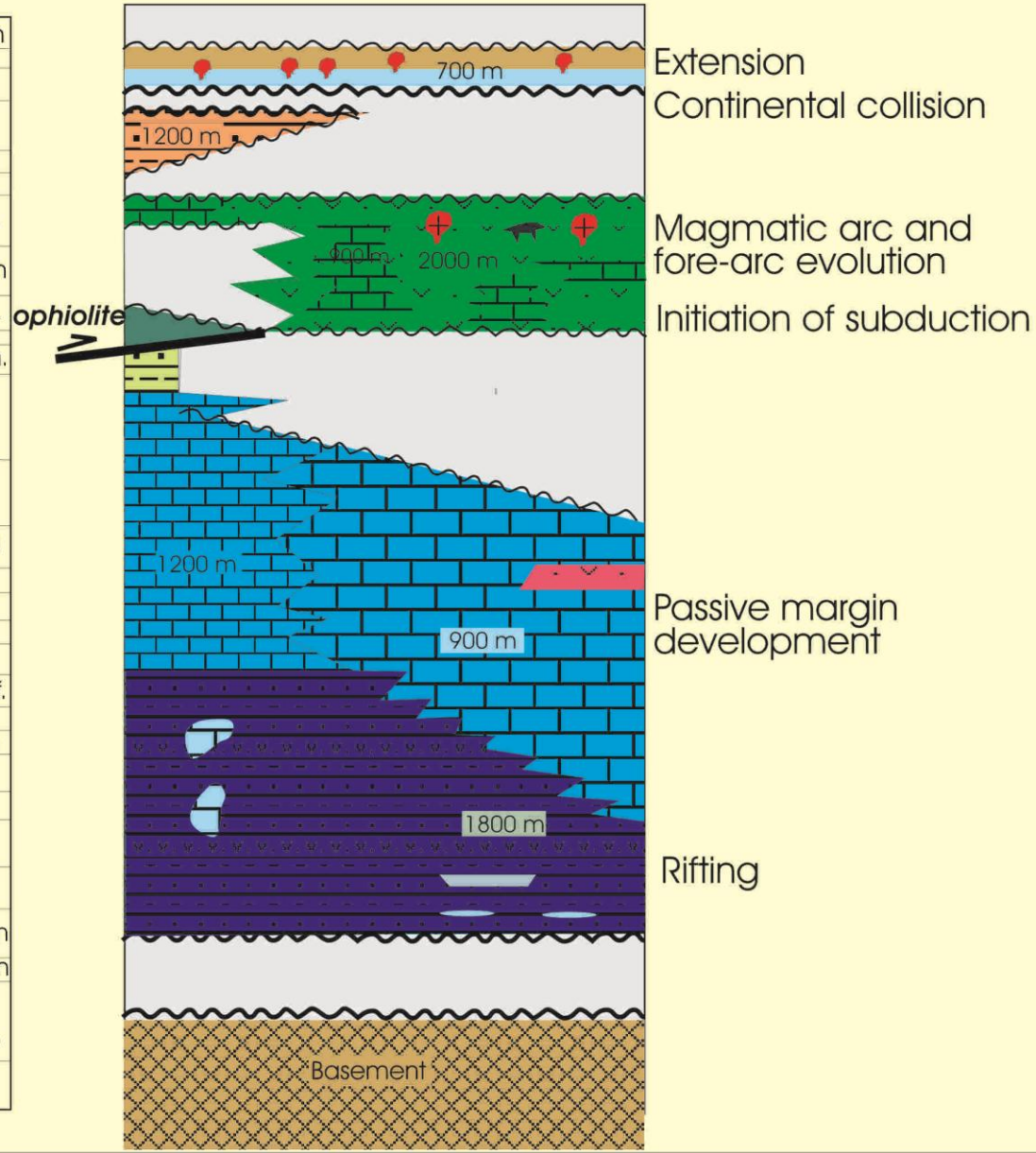
Inner Pontides

Outer Pontides

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	Hauteriv.
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	Tithonian
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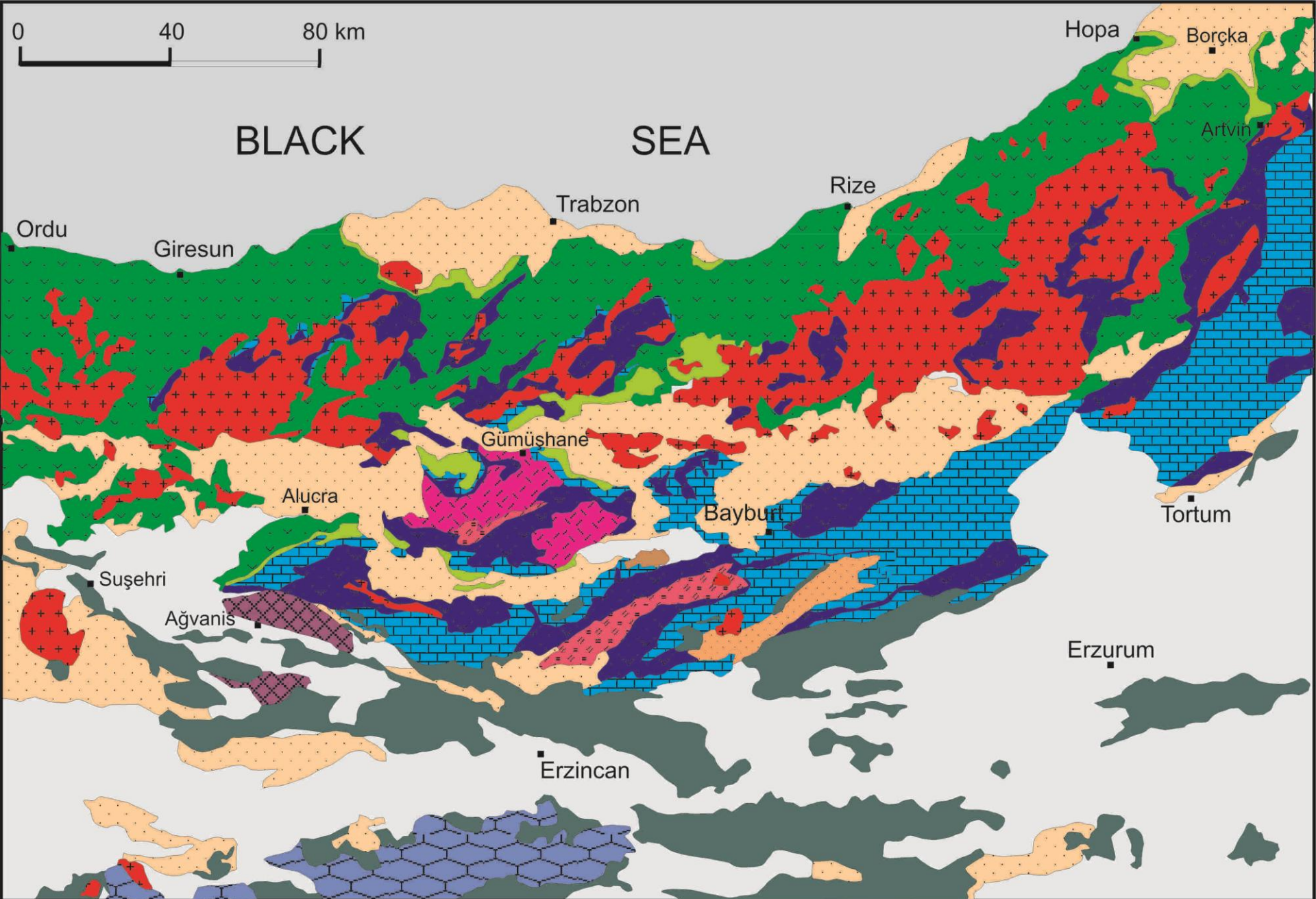


**ALT – ORTA JURA KLASTİK VE
VOLKANOKLASTİK KAYALARI**

KELKİT FORMASYONU

**PONTİD MESOZOYİK İSTİFİNİN
BAŞLANGICI**

**RİFT MAGMATİZMASI MI YOKSA
DALMA-BATMA MAGMATİZMASI MI?**









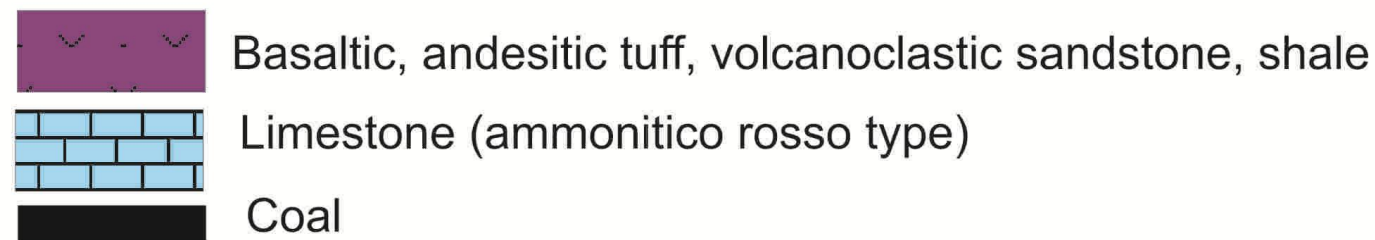
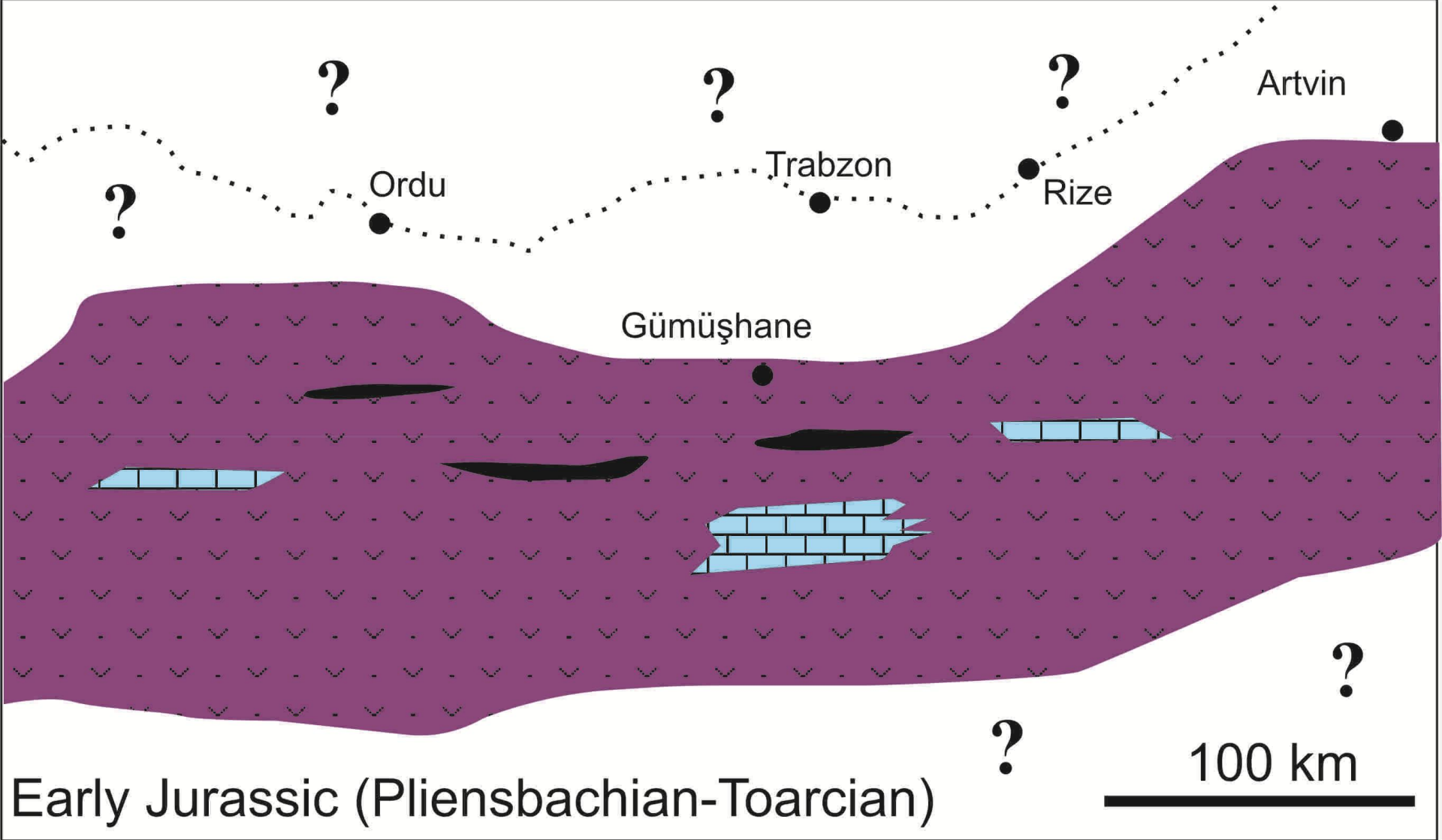












PONTIDES

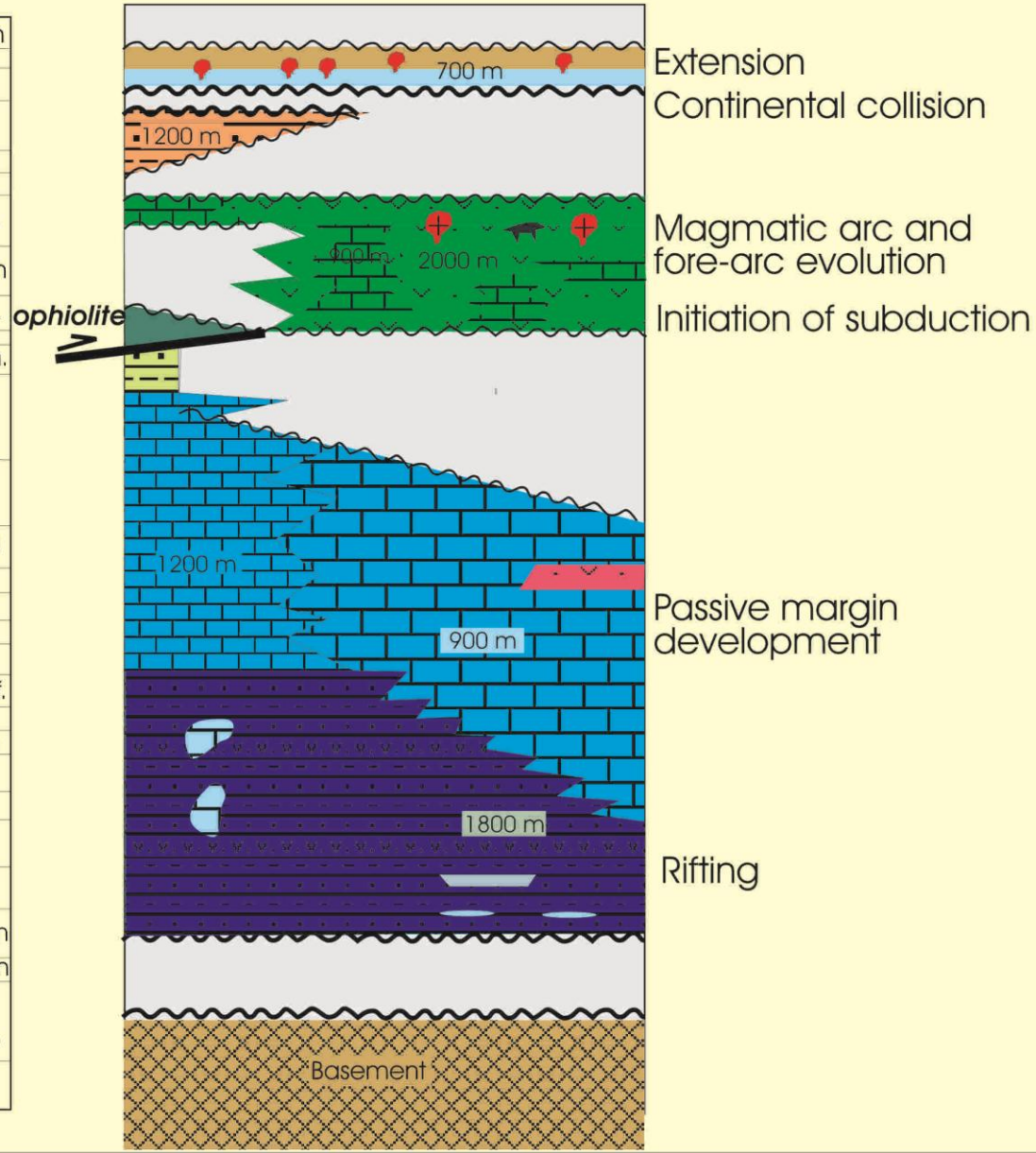
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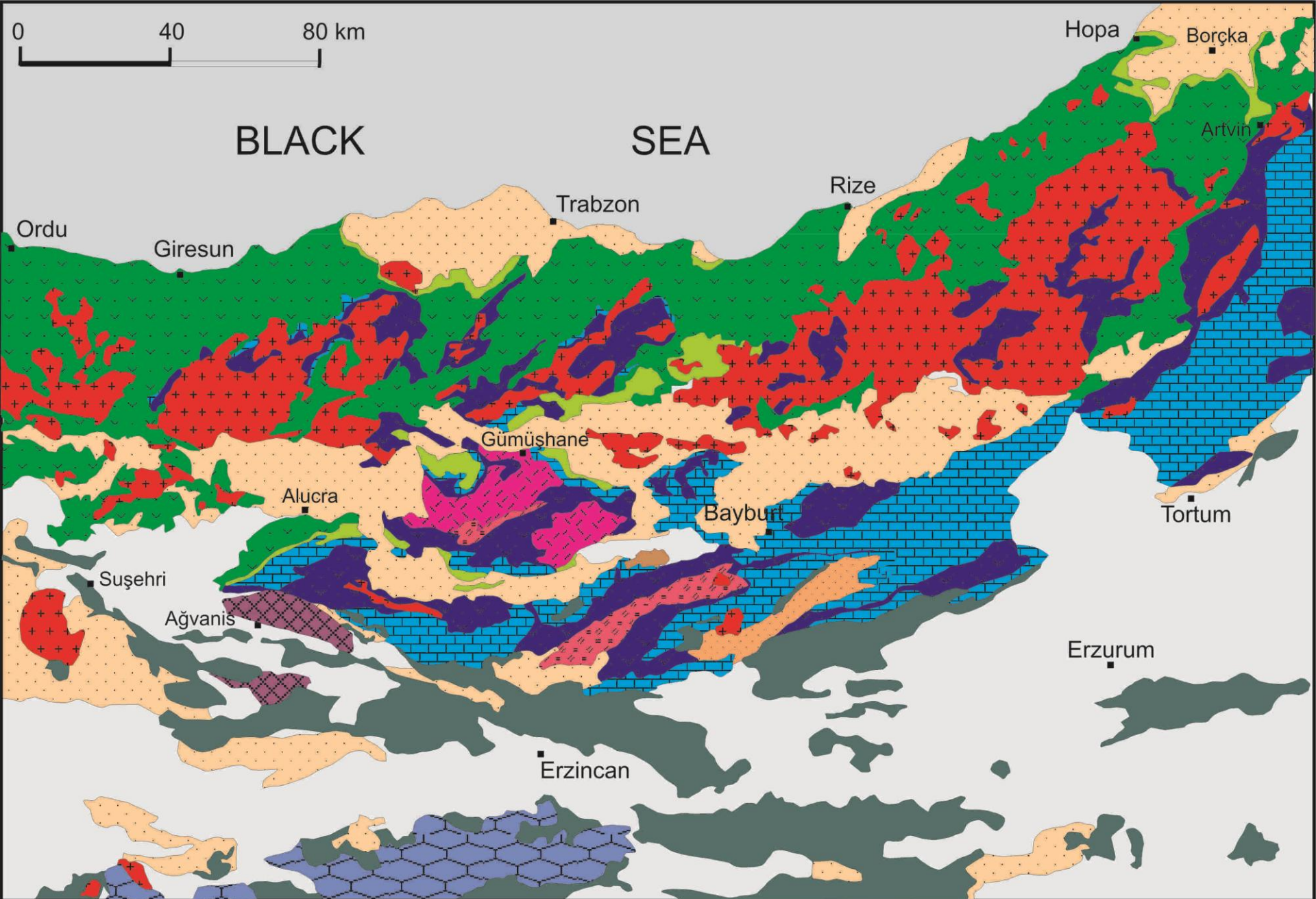
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ÜST JURA – ALT KRETASE KARBONATLARI

BERDİGA KİREÇTAŞI

SAKARYA ZONU’NUN BATISINDAKİ BİLECİK KİREÇTAŞININ EŞLENEĞİ







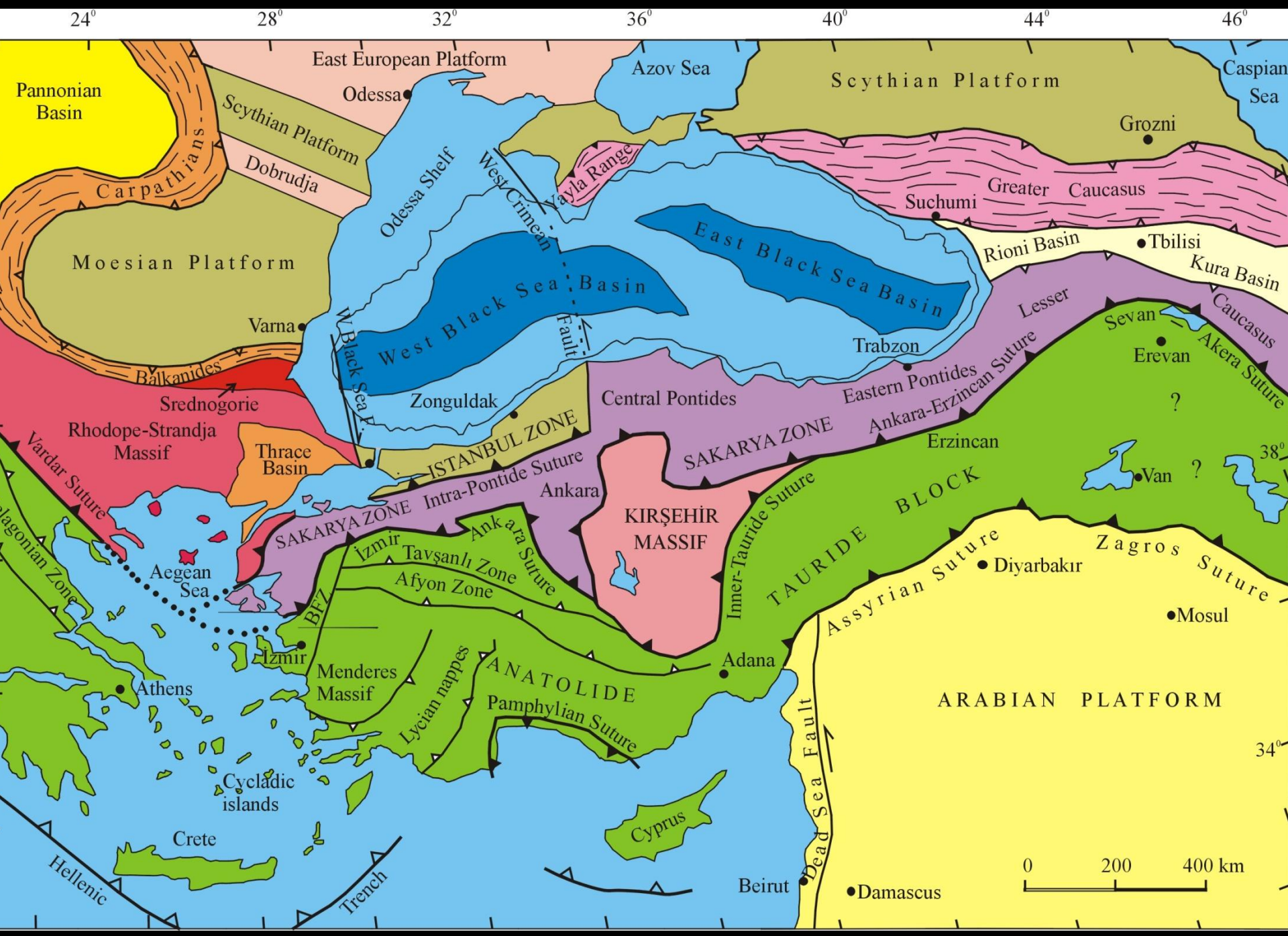




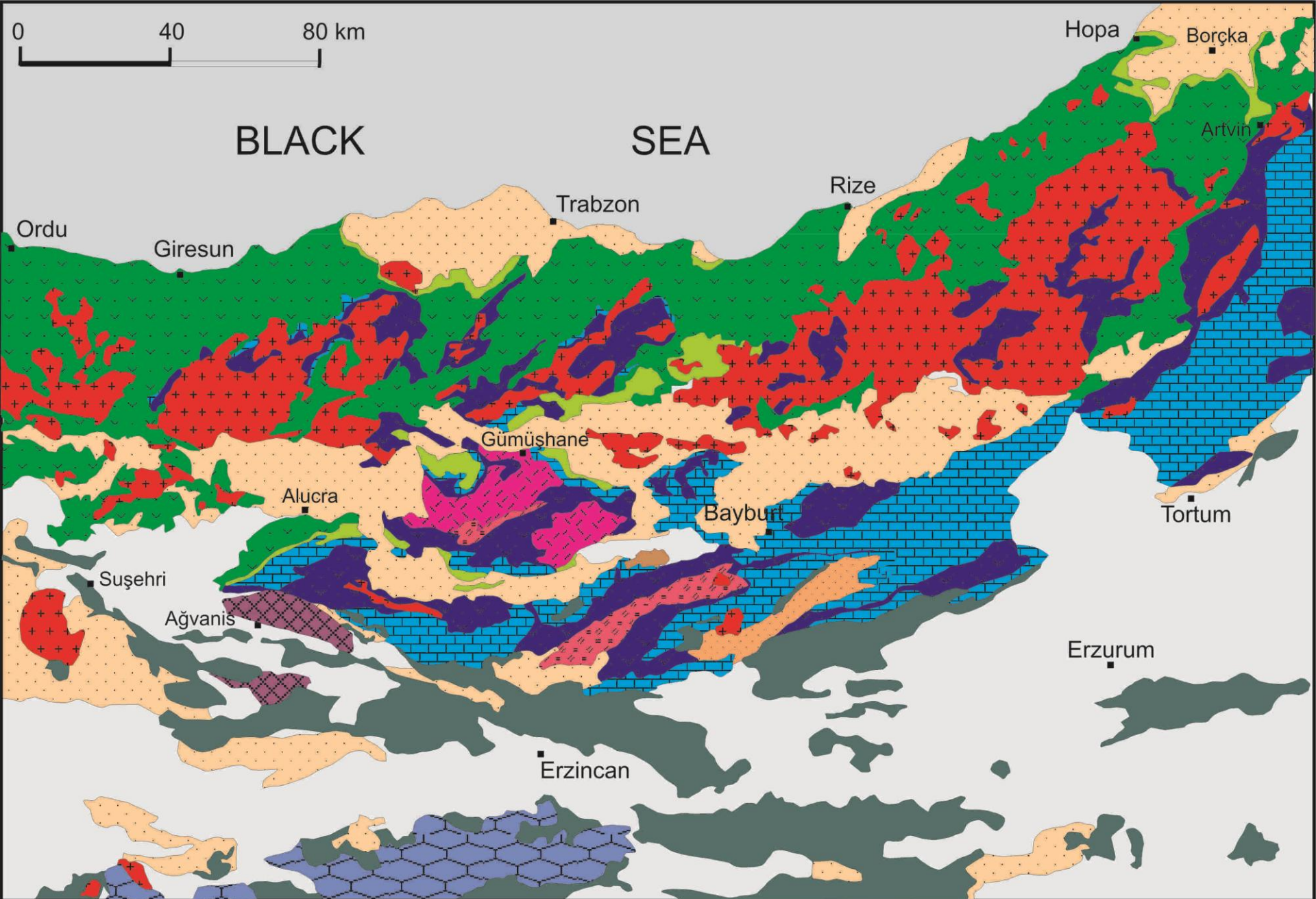










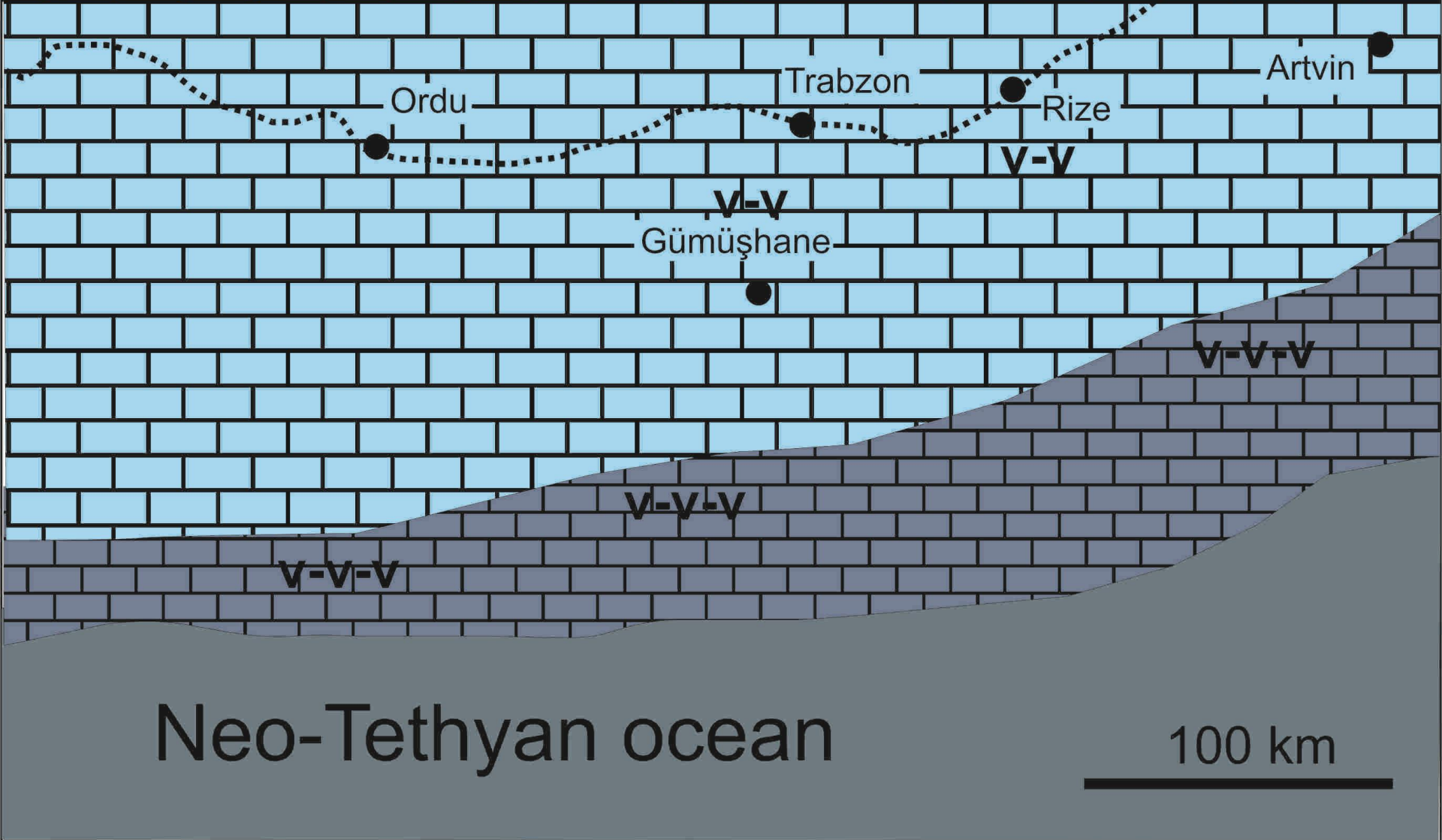












Early Cretaceous



Neritic limestone



Pelagic limestone, calciturbidite

PONTIDES

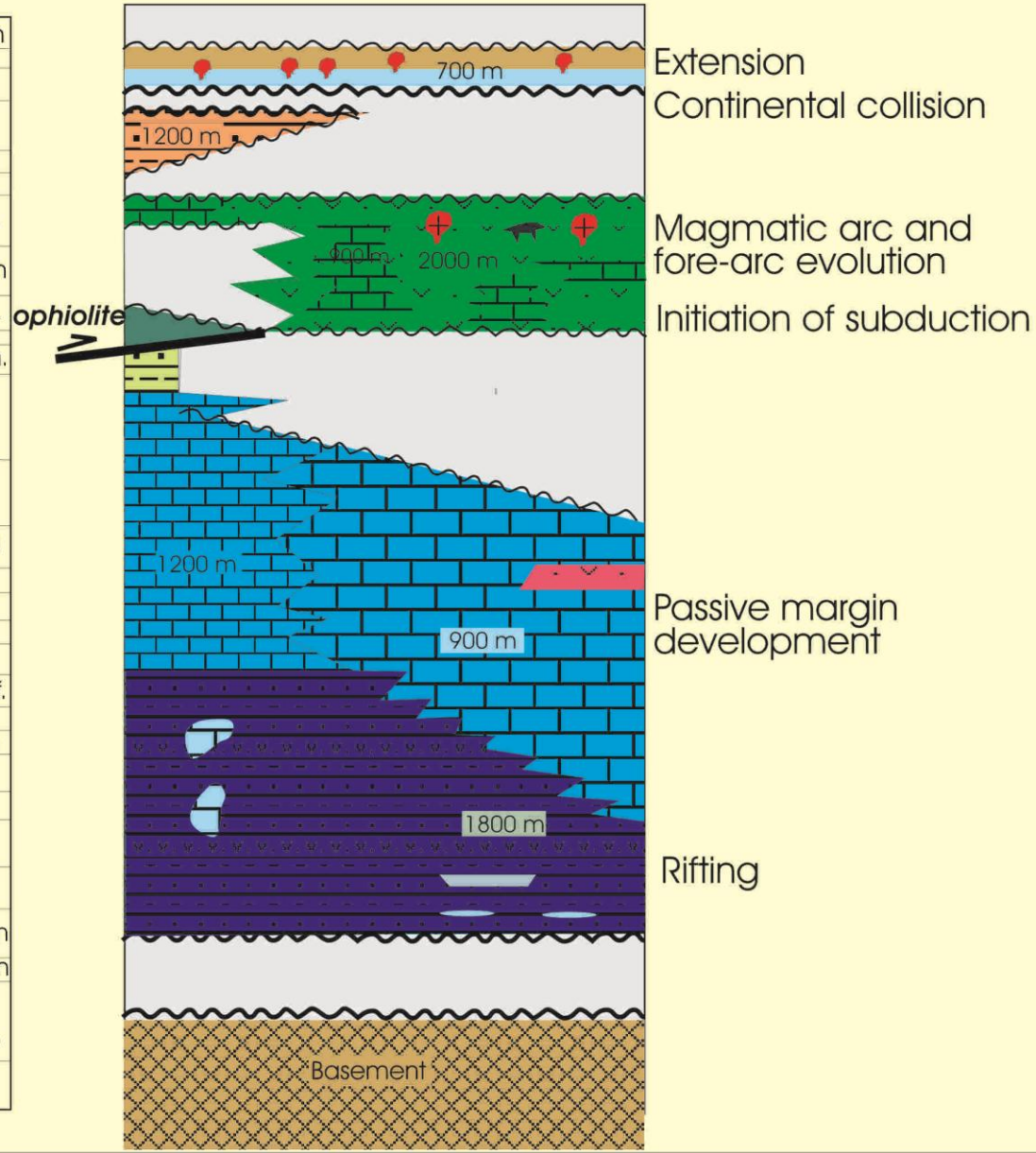
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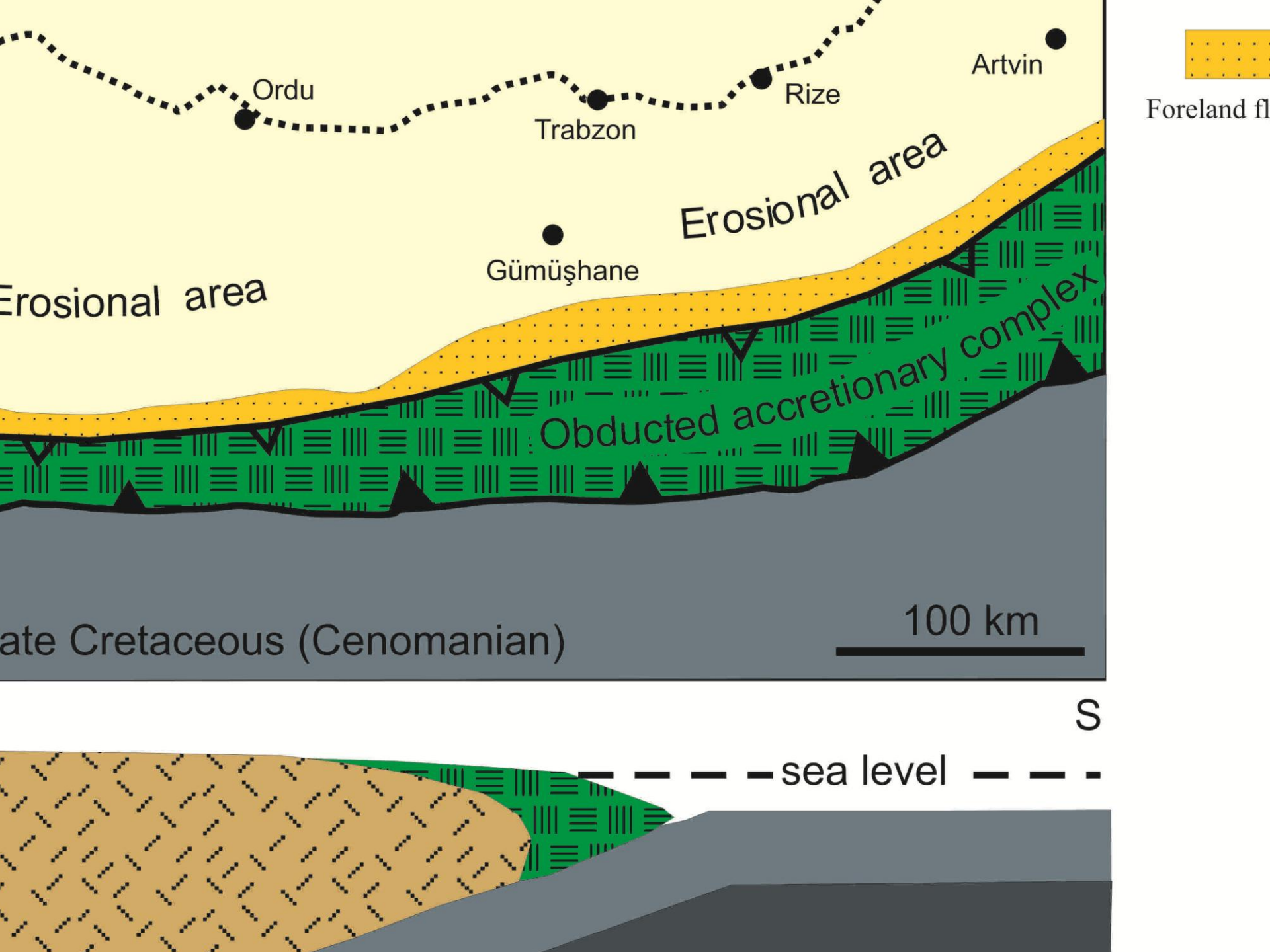
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TRIASSIC	Hettangian
	Nor.-Rhae.



SENOMANİYEN-TURONİYEN

**KUZEYE DOĞRU OFİYOLİT
YERLEŞMESİ VE BUNA BAĞLI
OLARAK GELİŞEN YÜKSELME VE
AŞINMA**











PONTIDES

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