

THE GEOLOGY OF THE ANKARA MELANGE IN THE BEYNAM AREA

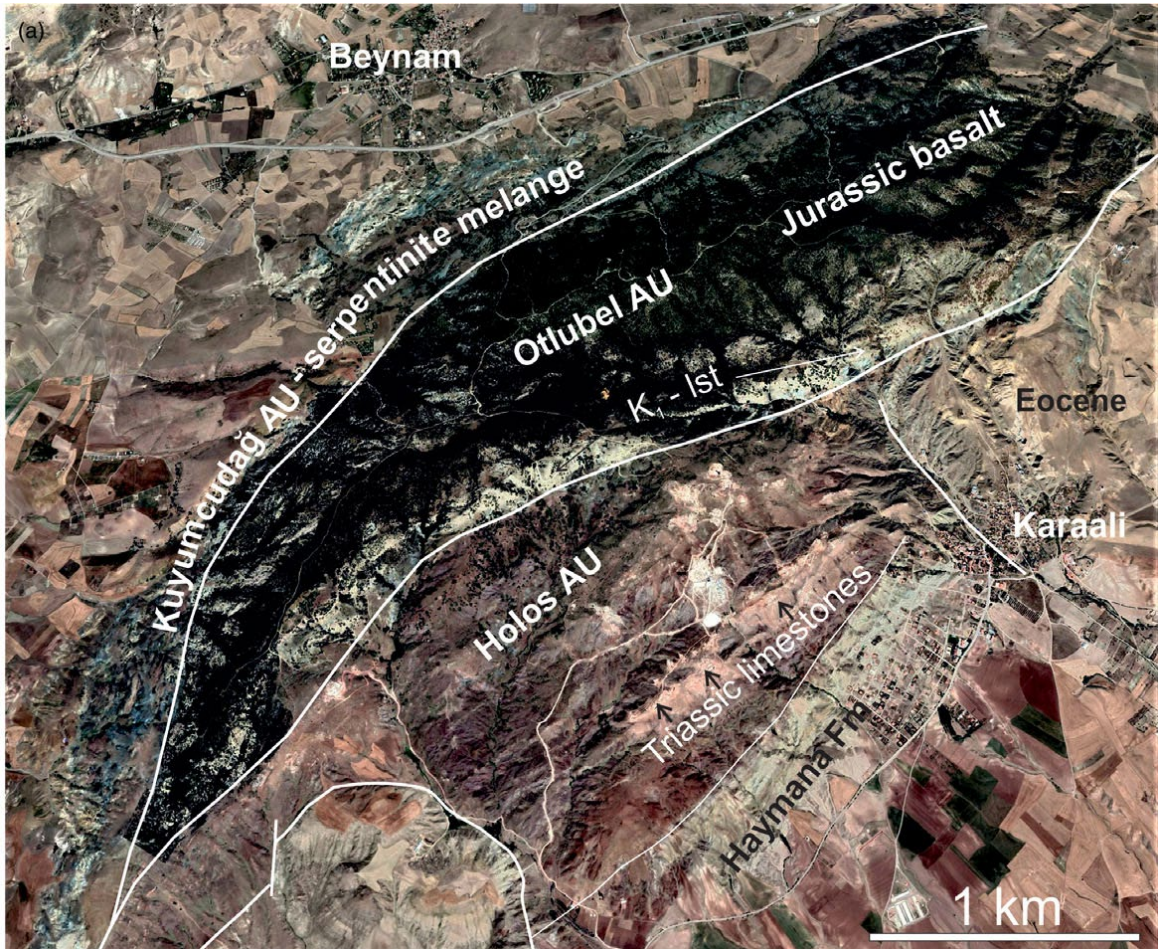
One-day geological field trip

15th April 2023 Saturday, 08.30-17.00

The participation is limited to 40 people, picnic lunch in the field, price: xx TL

Field trip leader: Aral Okay

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Geological units of the Ankara Melange in the Beynam region on Google Earth image (Okay et al., 2022).

Ankara Melange was one of the first melanges described in the World. In the Beynam region the Ankara Melange provides good outcrops allowing a detailed examination of different units, which make up the melange. The tectonic units of the Ankara Melange in the Beynam

area include from base upwards, a serpentinite melange (Kuyumcudag Accretionary Unit), an incomplete Jurassic ophiolite with a boninitic geochemistry (Otlubel AU) and alkali basalt and Jurassic radiolarian cherts with Triassic shallow marine limestone blocks (Holos AU). The Holos Accretionary Unit is stratigraphically overlain by Upper Cretaceous fore-arc turbidites of the Haymana Formation. During the field trip the geological units of the Ankara Melange and the stratigraphic basal contact of the fore-arc turbidites will be shown and discussed. The field trip will involve up to one hour walks, and the lunch will be taken in the field.

Okay, A.I., Altiner, D., Danelian, T., Topuz, G., Özcan, E., Kylander-Clark, A.R.C., 2022, Subduction-accretion complex with supra-subduction-zone ophiolite slices: Ankara Mélange, central Anatolia. *Geological Magazine* **159**, 1699–1726.