

PETROLOGICAL COMPARISON OF THE UPPER CRETACEOUS - LOWER TERTIARY BASINS OF THE
"ANKARA VIRGATION"

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ABSTRACT. - In the present work, the Upper Cretaceous-Lower Tertiary sequence in the zone named as Ankara Virgation, covering Haymana-Polath, Northern Tuz Gölü, and Kırıkkale-Yahşihan regions in SW-NE direction has been studied from the sedimentary - geological point of view, and the sedimentological and sedimentary petrological properties of those three basins have been correlated. It has been determined that detritic sequences in all three basins have similar petrographical properties with the exception of certain micro - mineralogical differences, and that the arenites and other detritic materials in the region have been derived from the magmatic and metamorphic rocks situated roughly in the North and the South. Petrographic study of the elastics carried out on sandstones (Dickinson, 1982) have shown that these rocks had a "recycled orogen provenance", and that the sequences in the region had been deposited during the Upper Cretaceous-Lower Tertiary around an active collision zone of plates in relation with a subduction facies.