

Paleoenvironmental Analysis of Benthic Foraminifera and Radiolarians in Middle Eocene Tabyin Formation, Mindon-Taing Da area, Magway Region, Myanmar

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ABSTRACT

The study area is situated about 8 km north of Mindon, Mindon Township, Thayet District, Magway Region. It lies between North Latitude 19°25' and 19°35' and East longitude 94°37' and 94°45'. The study area regionally lies on the southern part of the Salin Sub-Basin in the Central lowland of Myanmar. It is situated near the eastern foot hills of Rakhine Yoma where the entire area is covered by the Eocene rocks. The stratigraphic succession of Eocene formations, Paunggyi Formation, Longshe Formation, Tilin Formation and Tabyin Formation, are well exposed from the eastern foot hills of Rakhine Yoma to the Pathine – Monywa highway. The western part of the study area is bounded by highlands, where arenaceous formations of the Paunggyi Formation and Tilin Formation are well exposed in the form of highlands and cliffs. The argillaceous formations, Longshe Formation and Tabyin Formation, are well exposed in the form of rough plain. Lithologically these formations are made up of conglomerate, sandstone, muddy sandstone, shale and claystone.