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The coral banks of the Danian of Denmark

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Danish Danian (Lower Tertiary) octocorals are not uncommon, but bank construction is unknown. Scleractinians (ahermatypic) mostly rare and represented by solitary species. In a few places coral limestone was formed by species of *Dendrophyllia*, *Faksephyllia* and *Oculina*. Parts of this coral limestone from the classic locality, Fakse Quarry, show the only certainly recognized banks. Together with bryozoan banks they are known to have formed a large complex more than 90 m in thickness. The coral rocks and structures of the complex are considered and palaeoecologieal features are summarized. Initiation and features of development of this Lower-Middle Danian bank complex are considered. Comparison with Cretaceous-Quaternary structures demonstrates that the complex at Fakse is unusual.

Key words: Corals, Scleractinia, Octocorallia, palaeoenvironment, Danian, Lower Tertiary, Denmark.