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Middle Oligocene microfossils from the Polish lowlands: their stratigraphical and paleogeographical significance

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Middle Oligocene foraminifer assemblage was found in core material from several drillings made in the north-western Poland. This assemblage, consisting of 74 species of both benthic and planktonic foraminifers, resembles that from the stratotype of septarian clays from FRG and GDR. Its Middle Oligocene age is confirmed by calcareous nannoplankton dating (NP 24). The foraminifer assemblage was related to that of the Middle Oligocene sea of the North-European furrow which transgressed Poland as far as the Mid-Polish Anticlinorium which became its eastern margin. Deposits of this age are represented by septarian clays in the Szczecin area and quartz-glauconitic sands in the south-western (Fore-Sudetic Monocline) and central Poland (Kujawy). The temperature of water this basin was relatively low.

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