

Diatom 2: 175-186 (英文)

窪田英夫：長野県小諸市大杭の化石珪藻群集

Hideo Kubota : Fossil diatom assemblage from Ohkui diatomite in Komoro city, Nagano Prefecture

Abstract

Fossil diatoms found in three samples, upper, middle, and lower stratum from Ohkui diatomite, Komoro city, Nagano Prefecture were investigated. In three samples, 73 taxa belonging to the 23 genera and 8 families including unidentified 6 taxa were found.

Species of the Genus *Fragilaria* (middle part, 5% ; upper part, 64%), Genus *Melosira* (lower part, 62% ; middle part, 56% ; upper part, 4%) and Genus *Stephanodiscus* (lower part, 13% ; middle parts, 24% ; upper part, 18%) appeared to be dominant.

The accumulation environment of this diatomite was assumed to be a lake or a marsh with stagnant water, based on the species component and dominant species of each part.

Key index words

dominant species ; *Fragilaria*, *Melosira* and *Stephanodiscus* ; fossil diatoms ; Ohkui diatomite in Komoro city