

Environmental change from diatom analysis since MIS7~MIS8 in the Omoikawa lowland, the Kanto plain

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Omoikawa core(N36°14' 51.19" E139°41' 59.4" , 14.75m above sea level) was taken from the Omoikawa lowland ,located just the northern side of Watarase Basin.

The core, 60 m long, is composed of 3 sand and mud layers (A,C,E) and 3 gravel layers (B,D,F), as A to F from the top to the bottom.

From Unit A, two ¹⁴C ages in Holocene were obtained. Diatom analysis for Unit A indicated freshwater environment.

Diatom analyses for Unit C showed mainly inner bay environment, along with marine to brackish tidal environments. It is supported by sulfur analysis. Unit C is probably correlated to MIS5e.

Unit D, gravel layer below Unit C, may be MIS6.

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