

Ata tephra layer in the Osaka-wan fault drill cores and sedimentary environment during late Pleistocene

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We studied 2 drill cores(OB-1, OB-2) around Kobe bay area using by microfossils and tephra analysis. There are no less than 2 beds of marine sediments between the Last interglacial stage deposits(Ma12 bed) to Holocene sediment(Ma13 bed) in the cores. There is no date of marine sediment around Osaka Bay area between Last interglacial stage to Holocene stage. These 2 Marine beds may deposit small-scale transgression period of oxygen isotope stage 5.1 and 5.3. Upper marine bed contains Ata tephra layer. It shows the possibility that Ata Tephra erupted the period of oxygen isotope stage 5.1.

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