

Subsurface structure around Wakayama plain

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In Wakayama Plain, Pliocene to Quaternary sediment and terrace sediment are deposited. These are covered with Holocene deposit at the lower plain and around Osaka bay area. There are less information of surface structure. The Geo-database Information Committee of Kansai Area has developed a geotechnical database for the Kansai area. The geo-database was developed with a focus on the urban area because of its social and economic importance. Data of more than 40,000 boreholes were collected and digitized (Fig.3). Essentially, the data consist of information on soil classification, N values, and some data from soil tests. However, sedimentary facies and N-values (one of the indices that indicate soil property from the viewpoint of soil engineering) are regarded as important indices of subdivision and continuity of a formation. Since the geo-database includes results of soil investigation such as physical properties and mechanical properties of soil, it is easy to compare the data of this geo-database with data of the sedimental environment and soil properties.

In this committee, we study about Wakayama plain and correct the borehole data for two years. All cores boring were carried out at the Wakagawa area. The sedimentary environment indicates two marine layers.

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