

Median Tectonic Line in basement rocks of the northeastern part of the Kanto Plain

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The Edosaki observatory well was bored at Edosaki, Ibaragi Prefecture to install a seismograph. The stratigraphy observed at this well is the Shimosa Group, the Kazusa Group and the pre-Neogene in descending order. In this study, we revealed that the pre-Neogene could be correlated to the Upper Cretaceous Atokura Formation by means of the modal analysis of sandstones. The Atokura Formation is recognized as a Nappe which was overthrust on the Mikabu green rocks in the Sanbagawa Belt in the Kanto Mountains. Thus it is proved that the Edosaki sandstone belongs to the Sanbagawa Belt. Following this result, we can infer that the Median Tectonic Line runs to north of Edosaki with the NE or ENE trending direction.