

## Lake-level changes since 50,000 years ago in Lake Biwa, central Japan

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Lake level change of Lake Biwa is discussed based on acoustic records that were obtained across the northern basin, around river mouth of Echigawa and sedimentary facies and sand content of Echigawa-oki drilling sediment. Sedimentary structures that were formed during the lake level changes are observed. Sedimentary facies are divided into 7 units based on reflection pattern and depth profile of sand content. Sequence stratigraphic study was carried out on these units. The results show that lake level rose twice and descended three times during the last 50 thousand years. Lake level changes variation synchronized with ascended variation of insolation of 35N at summer solstice. East Asian monsoon synchronized with that of Variation of insolation (An et al., 2000).