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SCG063-P05 Room:Convention Hall Time:May 26 10:30-13:00

Crustal movement in the past 100,000 years in Ise Bay and Ohmi Basin, based on geomorphology and subsurface geology

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I estimated tectonic movement in the past 100,000 years around the Yoro-Kuwana-Yokkaichi fault zone. I carried out aerial photograph interpretation to classify and correlate terrace surfaces and identify tectonic geomorphology. Additionally, I conducted cryptotephra analysis to constrain the ages of terrace surfaces in the northern part of the Kinki Triangle. Vertical displacement is estimated based on terrace surfaces and subsurface geology. Vertical slip rates are estimated as the Yoro fault: >1.2 mm/yr (only subsidence rate), the Kuwana fault: >1.0-1.1 mm/yr, the Yokkaichi fault: 0.4-0.5 mm/yr.

Keywords: Ise Bay, Ohmi Basin, crustal movement