

Paleoseismological studies on the Futagawa-Hinagu fault zone, central Kyushu, western Japan

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The Futagawa-Hinagu fault zone is distributed from the Aso volcano to Yatsushiro Bay in central Kyushu trending NE-SW to NNE-SSW. Trenches at one site on the Futagawa fault and two sites on the Hinagu fault were excavated to reveal the paleoseismic activity and the rupture probability in the future of this fault zone. A fault was exposed at the Tanaka site on the Futagawa fault cutting sand and gravel layers. On the Hinagu fault, a fault cutting the Aso-4 pyrocrastic flow deposit was observed on the trench wall at the Wanise site, and tilting strata were observed on the trench wall at the Minamibeta site.