

Recent surface faulting events of the Nishiyama fault zone, Fukuoka Pref.: a preliminary report of trenching surveys

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The Nishiyama fault zone is NW-SE trending left-lateral strike-slip fault located on North Kyushu. We performed geomorphological and geological surveys along the whole of the fault zone and its extending area to obtain the paleoseismological parameters for evaluating earthquake potential caused by the fault zone. The most valuable information was come from the Uruno trench site in Iizuka City. It revealed that the surface rupturing events of the fault occurred more than five or six times in recent several ten thousands years on the basis of the trench wall observation and preliminary radiocarbon dating.

Keywords: Nishiyama fault zone, trench excavation survey, active faults, paleoseismology, Fukuoka Prefecture