

Probable northern and southern extensions of the Nishiyama fault zone and reevaluation of its seismic hazard

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The Nishiyama fault zone is a NW-trending, 24-km-long, left-lateral strike-slip fault in northern Kyushu Island. We found probable northern and southern extensions of the fault zone based on aerial photograph interpretation and field observations. The total length of the fault zone could be as large as 80 km. The fault zone, however, may be divided into the northern and southern segments separated by a 15-km-long section where geomorphic expression of the fault is weaker than the other sections. Nonetheless, our new mapping demonstrates the need for reevaluation of seismic hazard from the Nishiyama fault zone.