

Deformation of Holocene alluvial terraces on the west margin of Toyama Plain

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Toyama Plain, central Japan, is a depression along the northward-flowing Jintu river and Jogannji river. Northwestern margin of Toyama plain is bounded by NNE-trending Kurehayama fault and Toyama City, a prefectural capital of Toyama prefecture, is in the northern part of Toyama plain. A previous study of seismic reflection survey implied that the Kurehayama fault lurked under the Toyama Plain. The author newly acknowledged the alluvial terraces related with faulting and fault scarps on the alluvial terraces. The author noticed that the Kurehayama fault continues to Yatuo area because of following three reasons. First, surface fault traces continued smoothly from Kurehayama to Yatuo area. Second, fault scarps in Yatuo area didn't look like an independent earthquake fault. Last, vertical average slip rate at lower terrace was larger as northward in Yatuo area.