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## Active fault traces along the Hanawa higashi fault zone, northeastern Japan

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Hanawa higashi fault zone is a NS-trending, 19-km-long fault and is located along the eastern margin of the Hanawa Basin, northeastern area of the Akita prefecture. Based on detailed interpretation of air photographs, we mapped fault traces in the northern part of the Hanawa Basin where no active faults have been mapped, despite existence of clear topographic boundary between the Hanawa Basin and the Ou Backbone Range. As a result, length of the fault zone changed from 19 km to 26 km. This fact indicates that reevaluation of seismic hazard from the Hanawa higashi fault zone is needed.

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Keywords: active fault, inland earthquake, Hanawa Basin, Hanawa higashi fault zone, air photograph interpretation