

Landforms associated with strike-slip faulting in the epicentral area of the 2000 Western Tottori earthquake

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To evaluate the fault activity associated with the 2000 Western Tottori earthquake, we performed literature survey, airphoto-interpretations of fault landforms, and reconnaissance in the epicentral area. As the results of the airphoto-interpretations of fault landforms, we found the northwest-trending lineaments with sinistral offsets of valleys and ridges. The lineaments were traced for approximately 20 km. Hence it was possible to estimate the magnitude on this area at 7 before the 2000 Western Tottori earthquake using the lineament length of 20km.