
UCAP UTAMA I

**KUNDASANG (SABAH) AT THE INTERSECTION OF REGIONAL FAULT
ZONES
OF QUATERNARY AGE**

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ABSTRACT

The Crocker fault zone (CFZ) is more than 170 km long and several kilometres wide. It contains the Quaternary structural valleys Tenom, Keningau, and Tambunan which are aligned in a northerly to N20°E trend. Its most northern segment, Lobou-Lobou, displaced a tarred road for 15 cm left-laterally. In addition to normal faulting, as the association with valley-fill deposits suggests, tributaries of the Pegalan River that cross the CFZ boundary also display abrupt sinistral course shifts of several hundred metres. The Mensaban fault zone (MFZ) strikes WNW and is traceable over a distance of 110 km from Tuaran toward east into the interior of Sabah. Facetted ridge spurs indicate Quaternary activity of normal faulting with individual downthrows up to 50 m high. Along a Mensaban fault strand in the vicinity of Kundasang, the sudden course change of the Liwagu River suggests recent and sustained sinistral slip. In this area the MFZ is 12 km wide and intersects the CFZ. Continued activity on these two regional faults is one of the root causes of widespread mass movements in the Kundasang area.