

## Fault trace investigation of the blind segment of the Sanyi fault, Central Taiwan

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Sanyi Fault, the reversal active fault, which is extending about 30 km along the foothill and Taichung Basin in central Taiwan. The fault trace of the Sanyi Fault has been covered by the Holocene deposits along the lower river terrace and Taichung basin, which is a blind segment of the fault without displaced landform. In this study, we investigated subsurface fault trace by using boring data and Resistivity Image Profiling Method, and established the subsurface geological profiles cross to the fault trace. According to the subsurface geological profiles, the fault zone character and distribution in the subsurface of the blind segment of the Sanyi Fault are interpreted.

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