

Prediction of the location of the E-W strike earthquake fault that appeared around Shirkang at 1999 Taiwan Chi-Chi earthquake.

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We have investigated geomorphological and geological features around the north part of Chelungpu earthquake fault that destroyed the Shigang Dam at 1999 Taiwan Chi-Chi Earthquake to examine whether we could predict the location of the earthquake faults before Chi-Chi earthquake or not. Following results were obtained: We can identify earthquake faults which appeared at 1999 Chi-Chi earthquake as linearments with tectonic relief by air-photograph survey. We discovered some fault outcrops and tectonic relief along earthquake faults, which have accumulative displacement. These suggest that we could predict the locations that the earthquake faults appeared by geomorphological and geological surveys.