

Formation mechanism of bulge of slope that is sign of large-scale collapse

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The fracture is distributed around main scarp and side cliff in slope failure. The formation of landslide mass results from dividing into parts by fracture. "Landslide mass formation model by dividing into fracture" was verified in large-scale landslide. The thick debris is distributed in the center part of the landslide mass. Bulge of slope is admitted before collapses. Bulge of slope is caused by seismic motion and the thick debris.

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