

## The evaluation of denudation form in the mountain streams, use of the analyze shallow landslide susceptibility

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In this study, we applied the analyze shallow landslide susceptibility (called C-SLIDER) to Hofu city and we examined the validity of a C-SLIDER result and an actual shallow landslides area, and verified about the applicability of the C-SLIDER.

At result, does not progressed denudation areas which were soil layer is thick area were validity of the analysis result by the C-SLIDER and an actual shallow landslide area is high. In other words, the degree of risk shallow landslide by the C-SLIDER method is applicable. On the other hand, progressed denudation areas which were soil layer is thin were validity of the analysis result by the C-SLIDER and an actual shallow landslide area is low, in other words, the degree of risk shallow landslide by the C-SLIDER method is inapplicable.

Keywords: debris flow, Shallow landslide, C-SLIDER method, Slope form of denudation grade