

Tephrochronological age estimate of the Koune Landslide and the Higashiohkubo Landslide in Kamiyama Town, Tokushima, Japan

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In this study, tephrochronological ages of the Koune Landslide and the Higashiohkubo Landslide in Kamiyama Town, Tokushima Prefecture, are estimated. The Koune Landslide is divided into two landslides; the Primary Koune Landslide and the Secondary Koune Landslide. The Primary Koune Landslide is cut by main scarp and moving mass of the Secondary Landslide. The Secondary Koune Landslide is overlain by the Kikai-Akahoya Tephra and re-sedimentation of the Aira-Tanzawa Tephra. Taking account of the thickness of tephric loess, the landslide occurred primarily between 7.3 ka and 16 ka. Therefore, the Primary landslide is older than the Secondary one. The Higashiohkubo Landslide is not overlain by the Aira-Tanzawa Tephra, but the Kikai-Akahoya Tephra, suggesting that the landslide occurred primarily between 7.3 ka and 26-29 ka.