

Investigate the causes of the formation of the range of movements and effects on the residential area in the catchment area Tanian

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Abstract Landslide is seamless and suddenly mobility of a volume of soil and domains surface material which transported downstream slopes. In recent years, the occurrence of landslides in the northern parts of the country due to land use change, deforestation and road construction has increased. Landslide and rock fallout are examples of the land mass movements. Landslide in forest roads caused directly or indirectly damage in many aspects and is involved in damage including restrictions on the management and utilization of forest, destruction and degradation of habitat. In addition to the casualties, landslide is associated with major financial losses, loss of livestock and damage to rural infrastructure and agricultural lands. So with the knowledge of the landslide can prevented it and consolidate the landslide This study was carried out using descriptive-analytical method and using field observations and documentary and paperwork. The study of the causes of formation of slopes in the Tienian watershed and its effects on the residential area have been investigated. According to geological map, faults, topography, slope In order to slope, land use and its changes in past years, landslides susceptible to landslides have been zoned on the basis of the Anbalagan model in 15 units of work and fully identified sensitive areas, with areas with a high risk area with an area of 714 hectares, 17.1%, areas With an average risk of 3241.58 hectares, equivalent to 77.46%, and areas with a low risk of 219.34 hectares and 5.44% respectively. At the same time, it provides necessary and necessary solutions to reduce damages and injuries, which can be used by planners and decision makers in various areas such as soil and natural resource conservation, environmental management, route designation

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