

Problem and Current State on the Hazard Map of Sediment Disasters

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The Hazard Map of Sediment Disasters are concerning debris flows, landslides, cliff failures. A remarkable number of sediment disasters occurred in newly constructed housing areas developed at the foot of mountainous areas. In recent years, these kinds of disasters have been increasing. For these reasons, the importance of improved warning and evacuation systems development in risky areas has increased considerably.

Under the circumstances, the Japanese Government enforced in 2001 a law to promote software measures such as the establishment of warning and evacuation systems. This Sediment Disaster Prevention Law was enacted to cover areas where sediment disaster risk was judged to be high. In this law, dangerous land such as the foot of a cliff, the downstream basin of a torrent, and the surrounding areas of a landslide area can be designated as sediment disaster hazard areas.

However, upon establishing special sediment disaster hazard areas, Generation danger point of sediment disasters according to the topography, geology and the amount of sediment will be forecast to hazard map.