

Examination of hills map considered to utilize for residential hazard map

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The guideline of investigation of movement calculation in large residential hill area by the MLIT is recommending residential hazard mapping for local governments. A purpose of residential hazard map is increase of inhabitants understanding about disaster caused by development of residential sites and enforcing a necessary regulation of disaster prevention. In hazard maps, it is essential to display residential hill area and useful information of disaster prevention or consciousness edification of inhabitants considered by local governments. Residential hill area is separated from subtraction data from old and new Digital Elevation Model (DEM). A method of displaying them simply as useful hills map of residential hazard map is not considered sufficiently.

We considered that how to display old and new contour map and iso-thickness map or gradually color map on a base map. Moreover, we considered display accommodated the color universal design. We introduce the displaying examples.