



**CALIFORNIA DEPARTMENT OF CONSERVATION  
CALIFORNIA GEOLOGICAL SURVEY**

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**PUBLICATION RELEASE  
LANDSLIDE INVENTORY MAP SERIES  
December 2011**

**LANDSLIDE INVENTORY MAP OF THE LICK OBSERVATORY 7.5-MINUTE QUADRANGLE, SANTA CLARA COUNTY, CALIFORNIA**

by

W.D. Haydon

**AND**

**LANDSLIDE INVENTORY MAP OF THE MURRIETA 7.5-MINUTE QUADRANGLE, RIVERSIDE COUNTY, CALIFORNIA**

By

J.L. Hernandez and S.S. Tan

These maps present inventories of existing landslides originally prepared as essential data layers for the delineation of earthquake-induced landslide hazard zones as mandated by the Seismic Hazards Mapping Act. The inventory maps were prepared primarily by geomorphic analysis of stereo aerial photographs, and secondarily by field reconnaissance, interpretation of topographic map contours and review of previous mapping. Landslides identified by these methods were digitally compiled on a Geographic Information System (GIS), typically at a scale of 1:24,000 on a U.S. Geological Survey topographic base map, or, in the case of the Lick Observatory Quadrangle, on digital stereo imagery. These inventory maps also show several significant characteristics of each mapped landslide. These are the type of landsliding and the type of material that moved, the direction of landslide movement, the "activity" or relative recency of movement, and the "confidence" that the geomorphic features observed are the result of landsliding and not some other geologic process. These landslide inventory maps are intended to provide users with basic information regarding past occurrences of landslides within the mapped areas. The geologic, terrain and climatic conditions that led to past landsliding can provide insights to the locations of future slope failures, and it is anticipated that these maps will provide useful information to planners, property owners, developers, and geotechnical consultants.

These new inventory maps are currently available as free download or printed copies can be purchased from the locations below. (Download from: [http://www.consrv.ca.gov/cgs/information/publications/Pages/lsim\\_index.aspx](http://www.consrv.ca.gov/cgs/information/publications/Pages/lsim_index.aspx))

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