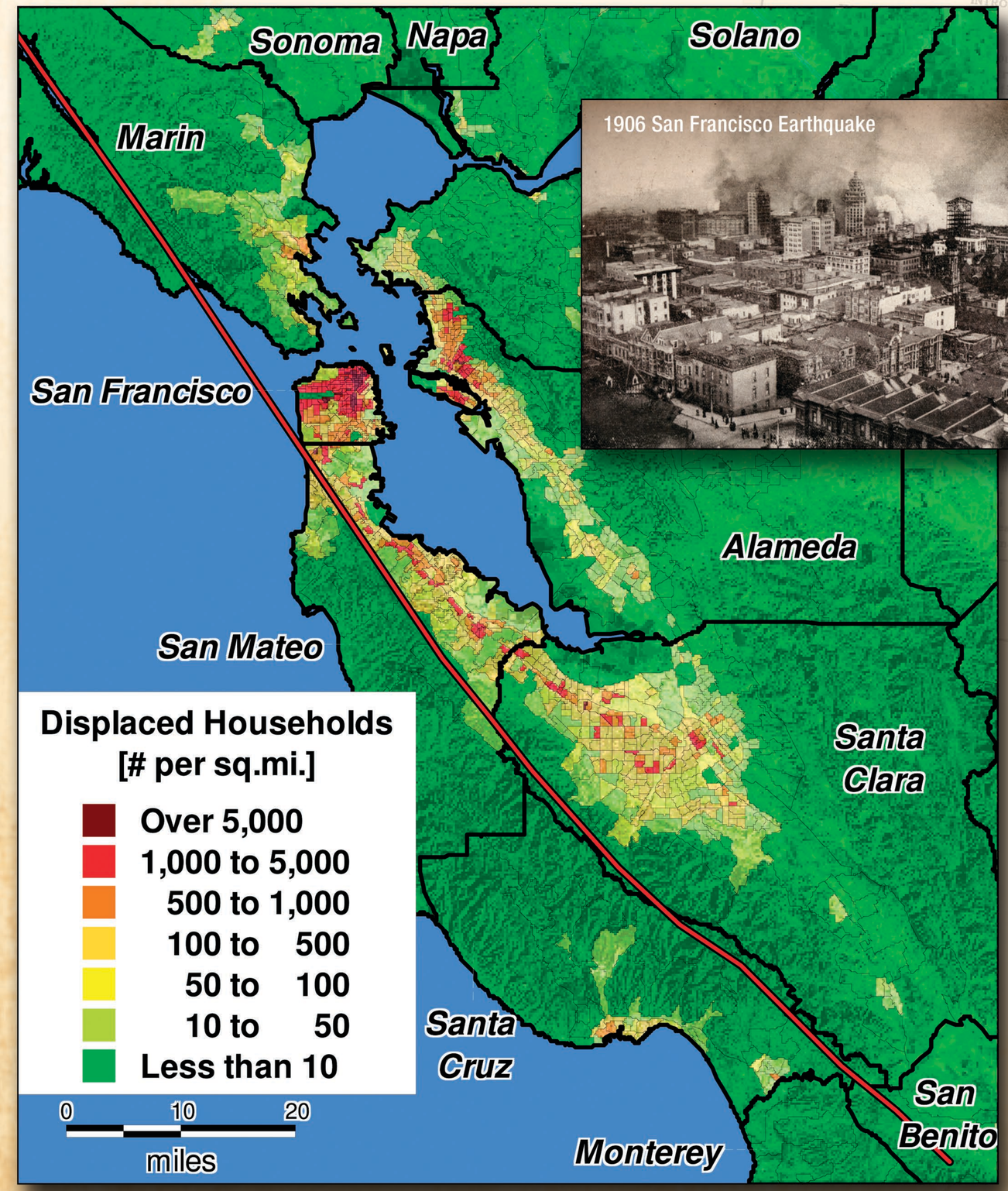
HAZUS Evaluation of 1906 magnitude earthquake in today's environment –

Displaced Households



HAZUS MH
EARTHQUAKE • WIND • FLOOD

Data and Analysis Displayed:

FEMA's multi-hazard loss estimation methodology and software application, HAZUS-MH, was used in the preparation of a study of building damage and losses likely to occur due to a repeat of the 1906 San Francisco earthquake. The map shows estimates of Displaced Households from a repeat of the 1906 event, which is a function of the number of residences in the 19 county study region that would experience either extensive or complete structural damage. HAZUS-MH also estimates short-term shelter requirements, taking into account the income levels of the impacted population. These HAZUS-MH products are very useful in assessing potential short-term shelter and long-term housing requirements following a major earthquake.

HAZUS-MH: FEMA's Software Program for Estimating Potential Losses from Disasters

HAZUS-MH is a powerful risk assessment software program for analyzing potential losses from floods, hurricane winds and earthquakes. In HAZUS-MH, current scientific and engineering knowledge is coupled with the latest geographic information systems (GIS) technology to produce estimates of hazard related damage before, or after, a disaster occurs. As part of the on-going HAZUS-MH model development process, FEMA conducts model validation studies following flood, hurricane and earthquake events to compare the predicted losses and actual losses.

For more information about HAZUS and HAZUS User Groups in your area:
www.fema.gov/plan/prevent/hazus/

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