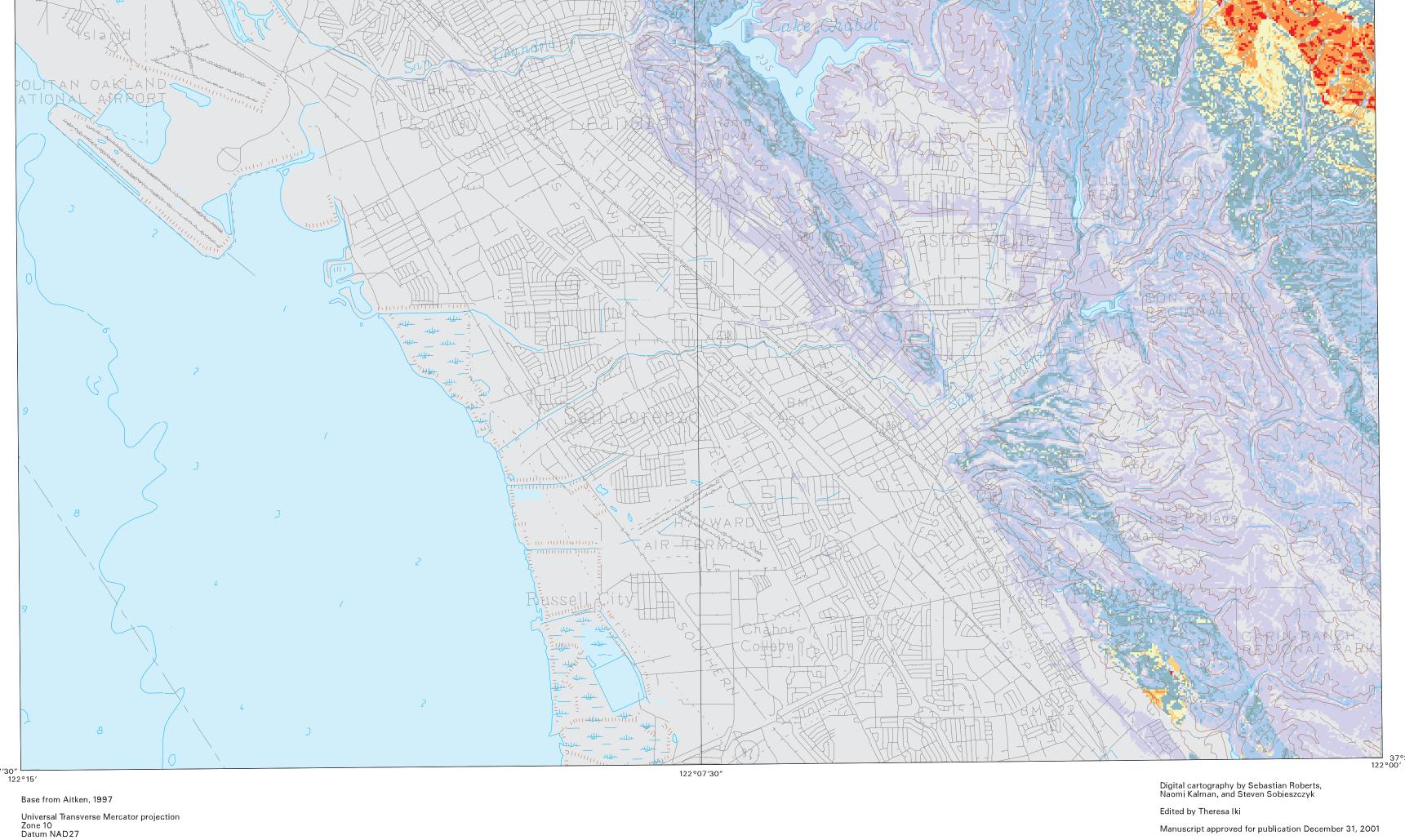


Figure 1. The seven 7.5' quadrangles in this report. Red outline is Oakland city limit. (Uncolored area within Oakland East quadrangle is city of Piedmont.) Rectangle within Oakland East quadrangle is area shown in figures 2 4. describe natural, unmodified terrain. These levels must be interpreted cautiously in urban or suburban areas, where grading of slopes for construction can alter the natural state of the terrain and the actual likelihood of landsliding may not correspond to the levels shown on this map. The true likelihood of landsliding in any developed area can range from lowest to highest depending on soil, slope, drainage, roads, buildings, and other local factors. This map indicates only the broad scale landslide hazard; a detailed site investigation should precede any development.

Digital data and cartography using Arc/Info 8.0.2 running under Solaris 2.6 on a UNIX workstation. This map was printed on an electronic plotter directly from digital files. Dimensional calibration may vary between electronic plotters and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

For sale by U.S. Geological Survey, Information Services, Box 25286, Federal Center, Denver, CO 80225, 1-888-ASK-USGS Digital files available on the World Wide Web at http://geopubs.wr.usgs.gov/map-mf/mf2385 Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.



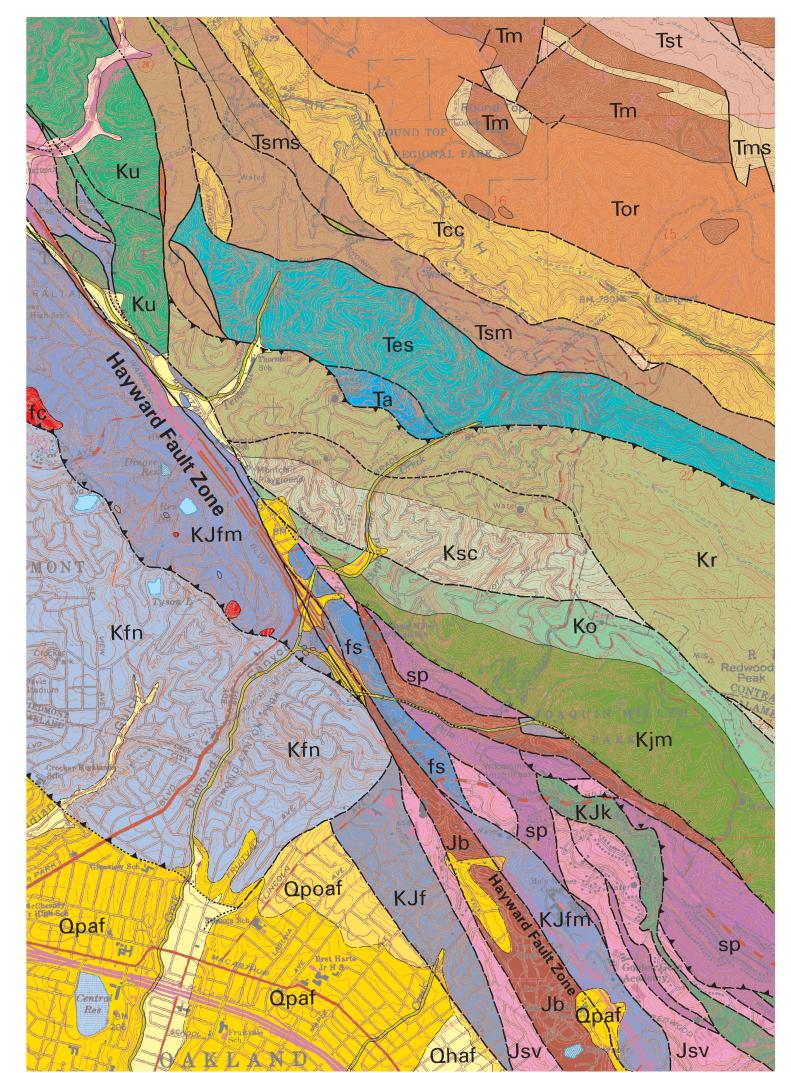


Figure 2. Geologic map, one of the three ingredients of the susceptibility map. The various colors show the extent of different types of bedrock and unconsolidated (loose) materials. This area within the Oakland East quadrangle (see fig. 1) shows the NNW striking Hayward Fault Zone and the geologic complexity of metropolitan Oakland. Geology compiled and mapped by Graymer (2000). Symbols identify geologic units named in table 1. Map area represented is 5.35 km across.

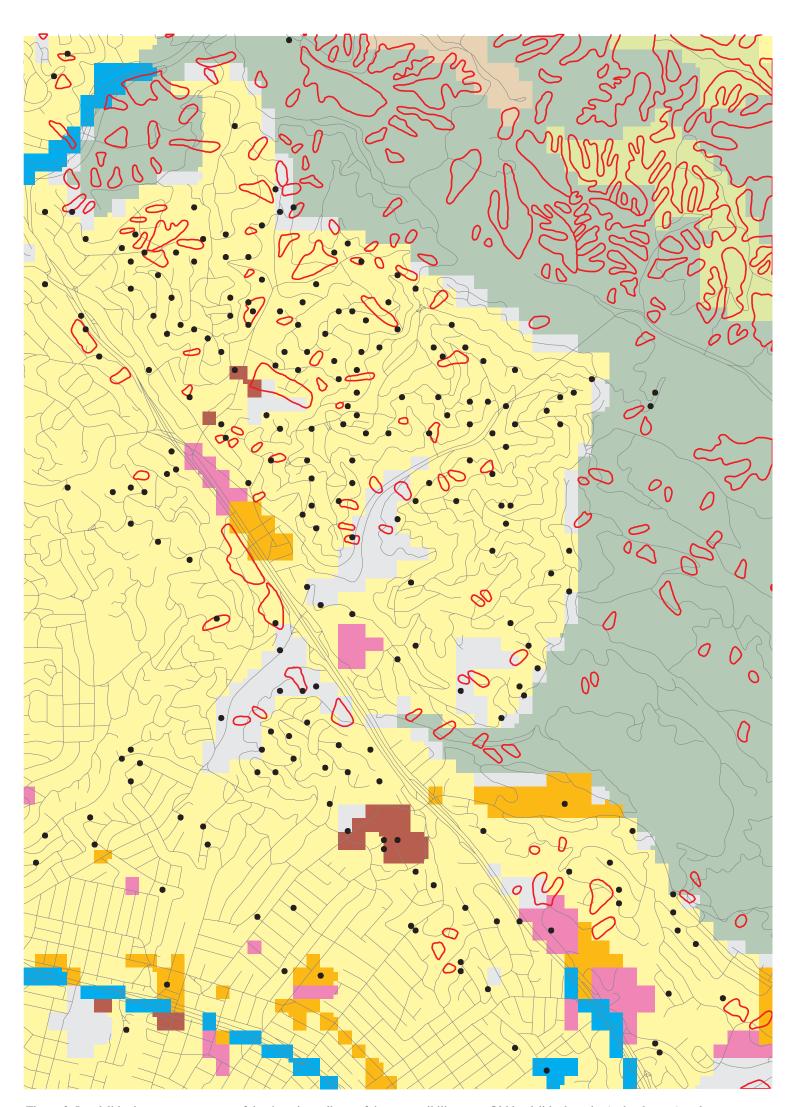
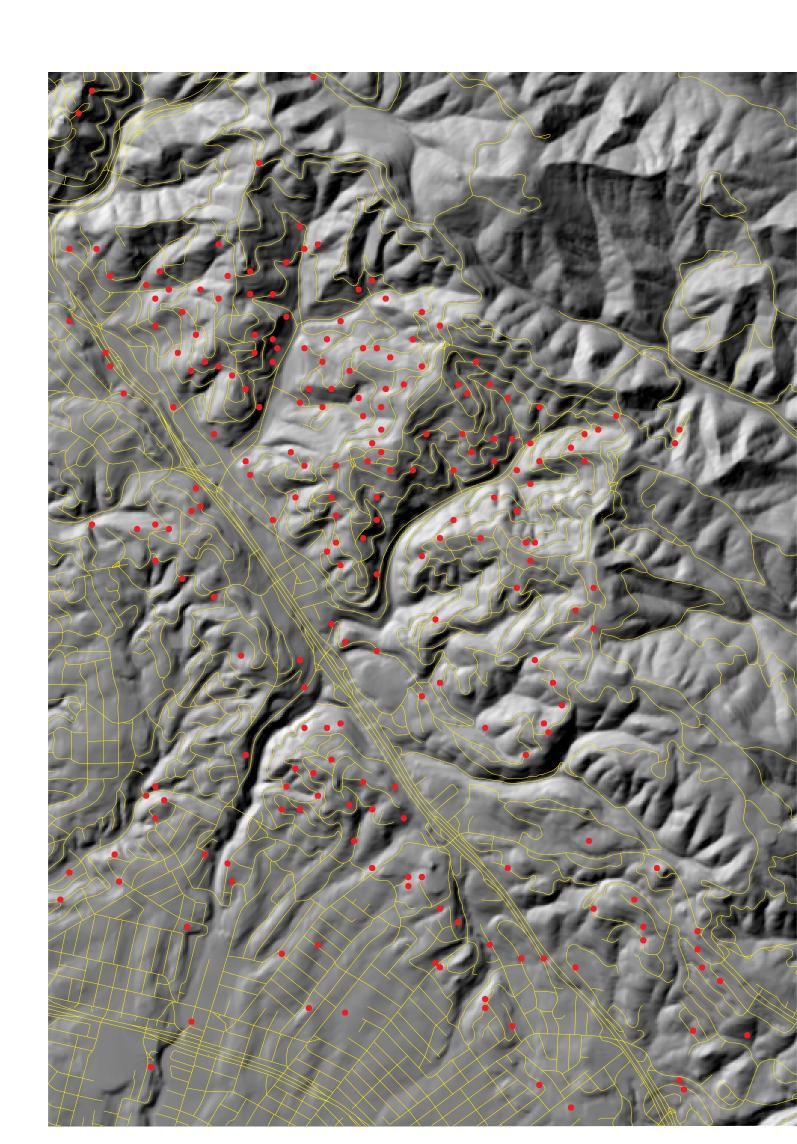


Figure 3. Landslide inventory map, one of the three ingredients of the susceptibility map. Old landslide deposits (red polygons) and locations of post 1970 damaging landslides (black dots) are shown on a colored land use base (100 m squares; ABAG, 1996). Green, forest; light green, rangeland; tan, scrub; yellow, residential; orange, commercial; pink, schools; blue, major infrastructure; brown, public institutions; light gray, mixed urban uses and open space. Road network in dark gray. This area is within the Oakland East quadrangle (see fig. 1).



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Figure 4. Shape of the land surface, one of the three ingredients of the susceptibility map (the specific measure used in the calculations is slope angle). Shaded relief map (created from 10 m digital elevation model) of topography surveyed in 1947 (revised 1958), showing hilly uplands east of the Hayward Fault Zone and the low hills and gentler terrain to the west. Red dots are the locations of post 1970 damaging landslides shown in fig. 3, on map. Road network in yellow. This area is within the Oakland East quadrangle (see fig. 1).