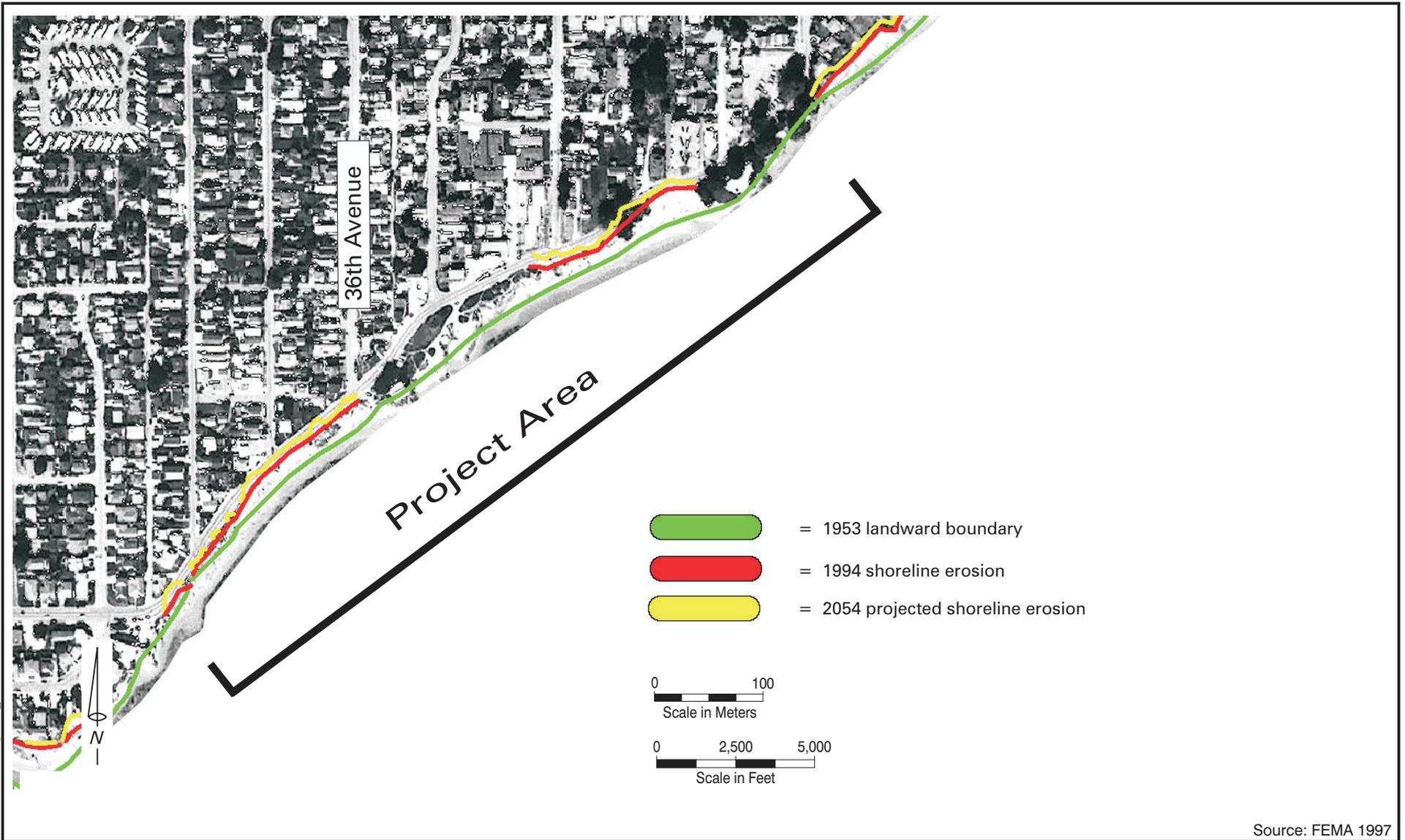


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Source: FEMA 1997

A state-of-the-art soft copy photogrammetry system was used to determine shoreline erosion rates, using aerial photographs spanning 41 years in Santa Cruz County. While some areas of wide sandy beaches have advanced and retreated as a function of storm frequency and nourishment, the bluffs have been eroding at long-term average rates ranging from 6 to 60 centimeters per year.

Projected Erosion Rates for East Cliff Drive Project Area

Santa Cruz, California

Figure 1-2