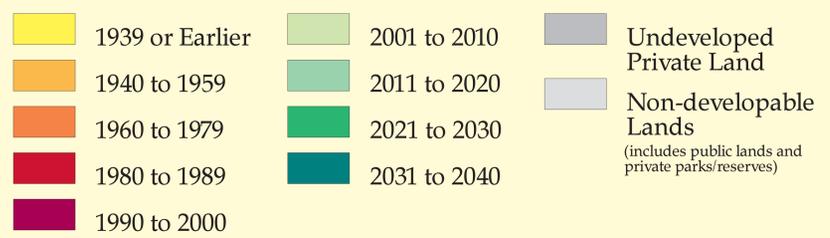


HISTORICAL AND PROJECTED DEVELOPMENT

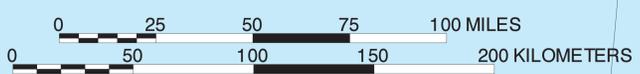
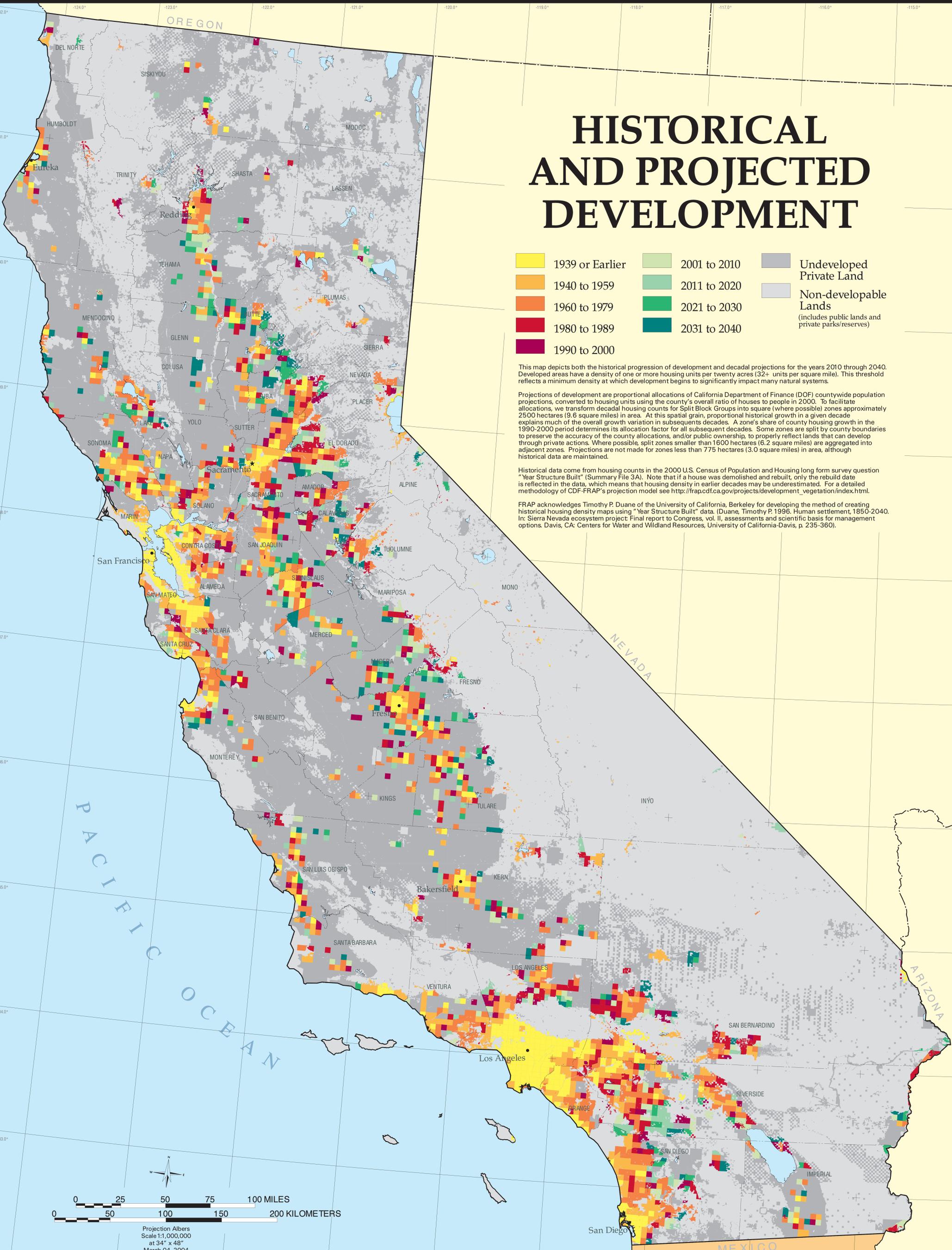


This map depicts both the historical progression of development and decadal projections for the years 2010 through 2040. Developed areas have a density of one or more housing units per twenty acres (32+ units per square mile). This threshold reflects a minimum density at which development begins to significantly impact many natural systems.

Projections of development are proportional allocations of California Department of Finance (DOF) countywide population projections, converted to housing units using the county's overall ratio of houses to people in 2000. To facilitate allocations, we transform decadal housing counts for Split Block Groups into square (where possible) zones approximately 2500 hectares (9.6 square miles) in area. At this spatial grain, proportional historical growth in a given decade explains much of the overall growth variation in subsequent decades. A zone's share of county housing growth in the 1990-2000 period determines its allocation factor for all subsequent decades. Some zones are split by county boundaries to preserve the accuracy of the county allocations, and/or public ownership, to properly reflect lands that can develop through private actions. Where possible, split zones smaller than 1600 hectares (6.2 square miles) are aggregated into adjacent zones. Projections are not made for zones less than 775 hectares (3.0 square miles) in area, although historical data are maintained.

Historical data come from housing counts in the 2000 U.S. Census of Population and Housing long form survey question "Year Structure Built" (Summary File 3A). Note that if a house was demolished and rebuilt, only the rebuild date is reflected in the data, which means that housing density in earlier decades may be underestimated. For a detailed methodology of CDF-FRAP's projection model see http://frap.cdf.ca.gov/projects/development_vegetation/index.html.

FRAP acknowledges Timothy P. Duane of the University of California, Berkeley for developing the method of creating historical housing density maps using "Year Structure Built" data. (Duane, Timothy P. 1996. Human settlement, 1850-2040. In: Sierra Nevada ecosystem project: Final report to Congress, vol. II, assessments and scientific basis for management options. Davis, CA: Centers for Water and Wildland Resources, University of California-Davis, p. 235-360).



Projection Albers
Scale 1:1,000,000
at 34" x 48"
March 04, 2004

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