
General--Statewide

- ***1:100,000 Scale Metric Planimetric Maps*** (California Department of Forestry and Fire Protection) (G 4360 S100 C4) Series of maps at a scale of 1:100,000 on a planimetric base covering all of California.
- ***Atlas of California*** (Donley) 1979 (atlas G 1525 A84) The major thematic atlas for California containing maps on a wide variety of physical, demographic, cultural, and economic topics.
- ***Atlas of California*** (Humboldt State University and California Geographic Alliance) Initial collection of interactive physical, cultural and historical maps of California being developed for a new edition of a statewide California atlas.
- ***California Atlas: A Geographic Journey*** (California Geographic Associates) 2000 (atlas G 1525 C35 2000)
- ***California Digital Conservation Atlas*** (California Resources Agency) Interactive mapper brings together natural resource and planning data from a variety of local, state, and national sources, and allows users to mix and match those layers of information at different scales for creating custom maps. Included are over 70 data sets in five broad areas--terrestrial biodiversity; aquatic biodiversity and watersheds; urban openspace and rural recreation; working landscapes; and environmental stressors. Specific layers cover natural vegetation; land cover; fire history; wetlands; important farmlands; soils; impaired water; conservation plans; public land ownership; county land use plans; urban areas and projected growth; rivers, lakes and dams; roads; floodplains; watersheds and endangered species. The Atlas is designed to provide natural resource information in a regional and statewide context. The data sets are not appropriate for viewing at map scales finer than 1:24,000. One can zoom by county or zipcode or use the interactive mapper to navigate to a specific location. Maps created can be printed and the associated data can be downloaded for use in a gis system.
- ***California (Northern)*** (Perry-Castaneda Map Library) Image of the 1990 USGS 1:2,500,000 Map of California.
- ***California: Patterns on the Land*** (Durrenberger) 1976 (atlas G 1525 D8 1976)
- ***California Patterns: A Geographical and Historical Atlas*** (Hornbeck) 1983 (atlas G 1525 H6 1983)
- ***California (Southern)*** (Perry-Castaneda Map Library) Image of the 1990 USGS 1:2,500,000 map of California.
- ***California Spatial Information Library Interactive Mapping*** (California Spatial Information Library) Interactive mapper utilizes 53 data layers to map the political, cultural and physical characteristics of the state.
- ***City Lights*** (California Dept. of Forestry and Fire Protection, Fire and Resource Assessment Program) Show distribution of nighttime lights over California generated from a mosaic of Defense Meteorological Satellite Program Operational Linescan System imagery.
- ***Color Landform Atlas: California*** Contains small scale shaded relief maps and satellite images of California.
- ***Counting California*** (California Digital Library) Contains current and historical statistics from California and United States government sources, frequently at the county level. For some statistical categories one can also generate choropleth maps.
- ***ICEMAPS2*** (Interactive California Environmental Management, Assessment, and Planning System) (International Center for the Environment) Interactive mapper that allows users to pan and zoom to a specific geographic area and display one or more layers from 30 datasets. One can also query the database and display information about all currently displayed map layers.
- ***Infoplease Atlas - California*** (Infoplease) Includes a statewide map.

- Map of the State of California (Cool Fire Technology)
 - National Highway System: Northern California (US Federal Highway Administration)
 - National Highway System: Southern California (US Federal Highway Administration)
 - ***Northern California Atlas and Gazetteer*** (DeLorme) 1998 (atlas G 1525 D42 1998) Series of 1:150,000 scale maps that show topography, roads, cultural features, recreation and historical sites and trails.
 - Official State Map (California Division of Tourism) This is a statewide map in pdf format. The California Tourism site also includes 13 regional maps in .pdf format.
 - Shaded Relief with Color as Height, California Mosaic (NASA) Combines shading and color coding of topographical height. Image can be viewed or downloaded in several formats.
 - Shaded Relief Map of California (US Geological Survey) Includes both a small and large gif image.
 - Shaded Relief of California (California Gap Analysis Project)
 - ***State of California : Shaded Relief*** (US Geological Survey) 1971 (map G4361.C1 1971 .G4) Scale 1:1,000,000
 - State Topography Image: California (US National Geophysical Data Center) Color shaded relief image with county boundaries generated from 30 arc-second digital elevation model (DEM) data. For additional information see [US State Images from 30 Second Topographic Data](#).
 - Thematic Mapper Mosaic of California (California Gap Analysis Project)
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General--Regional

- ABAG Geographic Information Systems (Association of Bay Area Governments) Interactive mapper covers the San Francisco Bay area
- Atlas of Social and Economic Conditions and Change in Southern California (Raettig, Elmer and Christensen) 2001 (USFS General Technical Report PNW-GTR-516) (Print copy available in Docs A 13.88: PNW-516) Choropleth maps and accompanying text document the current status and changes during the 1987-1998 period in social and economic conditions of 26 southern California counties.
- Mojave Desert Ecosystem Program Interactive Atlas
- SANDAG Maps and GIS (San Diego Association of Governments) Includes several interactive mappers and downloadable geospatial data.
- San Diego Geographic Information Source (SanGIS) (City and County of San Diego) Geographic data warehouse that includes a map gallery, an interactive mapper and downloadable geospatial data.

- San Francisco Bay Area EcoAtlas (San Francisco Estuary Institute) Environmental data and information about the San Francisco Estuary and its watersheds.
- Southern California Association of Governments (SCAG)Interactive Atlas - Interactive atlas allows one to create, view, and print maps using demographic and economic data layers; and city, county, and zip code boundary files.

Agriculture & Forestry

- Distribution of California's Forestlands (CERES)
 - ***Distribution of Forest Trees in California*** (Griffin and Critchfield) 1976 (US Forest Service Research Paper PSW-82) (Docs A 13.88:PSW-82) Shows distribution of 86 trees in California. Accompanying notes give elevational limits, geographic relationships of species, and ecological and historical factors.
 - Important Farmland in California, 2000 (California Department of Conservation) 2002 (map G4361 J1 2000 C3)
 - ***Important Farmland Maps*** (California Department of Conservation) 1994 - (map G 4361 G4 1994 C35) Series of maps for selected counties in California issued at scales of 1:100,000 or 1:120,000 that classify agricultural land resources. For additional information see Farmland Mapping and Monitoring Program. Animated Time Series Maps are also available for selected counties showing land use changes from 1984 to 1998.
 - ***Timber-Stand--Vegetation Cover Maps*** (California Cooperative Soil Vegetation Survey) (map G 4361 K2 s31 U5) Series of 467 maps produced between 1948 and 1962 at a scale of 1:31,680 which map timber characteristics in northern California.
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Culture & Community

- California Indian Pre-contact Tribal Territories (California Indian Library Collections)
- California Indian Tribal Groups (California Indian Library Collections)
- California Tribal Linguistic Groups (California Indian Library Collections)
- City Lights (California Dept. of Forestry and Fire Protection, Fire and Resource Assessment Program) Show distribution of nighttime lights over California generated from a mosaic of Defense Meteorological Satellite Program Operational Linescan System imagery.
- Federally Recognized California Tribes (California Indian Library Collections)
- First Five California Geographic Information System (California Children and Families Commission--First 5 California) Interactive mapper available at state and county levels. One can display the location of, and information about, a variety of local conditions that are relevant to First 5 eligible children in the following three areas. Much of the data is displayed by census tract.

- Risk factors--inadequate prenatal care "hot spots", teenage birth hot spots, and the location of First 5's School Readiness Initiative, High Priority elementary schools.
 - Community resources--the location of Healthy Start elementary schools, Early Start Family Resource Centers, WIC service sites, and location of thousands of American Medical Association affiliated obstetricians, gynecologists, pediatricians, and general or family practitioners.
 - Community information--school district boundaries, elementary school sites, the number of children aged 0-5, the percent of mothers with inadequate education, low income, or four or more children, and the percent of births to mothers of varying race/ethnic backgrounds.
 - Indian Lands in California (US Bureau of Indian Affairs) 1990
 - ***Tribal Areas of California*** (Pacific Western Traders) 1996 (map G 4361 E1 1996 T7)
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Demography

- American Fact Finder: Thematic Maps: California (US Census Bureau) Interactive mapper allows one to create choropleth maps using approximately 250 variables from the 2000 Census of Population and Housing. Available geographies within California include, county, census tract, metropolitan area, congressional district and zip code. One can change the number of shading classes or change the method by which the geography is assigned to a shading class. Thematic maps can be created with existing summary data or custom tabulations. Use the navigation links near the top of the page to change themes and geographies.
- Digital Atlas of California (California Geographical Survey) Contains demographic and social maps for the entire state and major metropolitan areas..
- Ethnic Distributions (Maps.com)
- Los Angeles County Population Density 1930-2000 (Ralph & Goldy Lewis Center for Regional Policy Studies, UCLA)
- Los Angeles County Racial/Ethnic Diversity 1940-2000 (Ralph & Goldy Lewis Center for Regional Policy Studies, UCLA)
- Neighborhood Knowledge California (NKCA) (UCLA School of Public Policy and Social Research) User-friendly site that produces maps, charts, and graphs from a database of California social, demographic and lending data that can be used in neighborhood research. Its aim is to promote greater equity in housing and banking policy. Geographies that can be displayed include county, zip code, city, census tract, senate or assembly district, congressional district, or your own defined neighborhood. You can also upload your own spreadsheet information into NKCA's mapping system and analyse that information in conjunction with NKCA's datasets.
- ***Population History Maps of California Places, 1770 to 2000*** (Berlo) 2000 (ref HB 3525 C2 B471 2000) Consists of approximately 1,000 maps that show the location and size of populated places in California at 10-year intervals from 1770 through 2000. A companion work is ***Population History of California Places*** (Berlo) 2000 (ref HB 3525 C2 B47 2000) that includes population figures for California places at 10-year intervals from 1846 to 2000; yearly intervals for early California places 1769 to 1850; and other population tables. Also includes a set of 50 maps showing all included place names.

- San Diego Tijuana Interactive Atlas (San Diego Association of Governments) Will generate custom choropleth maps using 27 demographic variables.
 - Southern California Association of Governments Interactive Atlas - Interactive atlas allows one to create, view, and print maps using demographic and economic data layers; and city, county, and zip code boundary files.
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Ecology

See also Research Tools for Forestry Literature Searching - Geospatial Resources; Research Tools for Wildlife Literature Searching - Geospatial Resources; Research Tools for Fisheries Literature Searching - Geospatial Resources; and Research Tools for Rangeland Resource Science Literature Searching - Geospatial Resources.

- **Indexes**

- California Environmental Information Catalog (CERES) Catalog of information (metadata) about environmental data sources in California. Contributors include cities, counties, utilities, state and federal agencies, private businesses, and academic institutions. Searchable by organization, resource type, geographic region, or keyword. Under "Resource Type" there approximately 350 maps listed.

- **Maps & Atlases**

- ***Areas of Special Biological Importance*** (California Department of Fish and Game) 1979 (map G 4361 D1 s250 C2) Series of 56 1:250,000 scale county maps that show key wildlife areas, limited habitats and rare or endangered species habitat. The areas delineated concern terrestrial mammals, birds, reptiles, and amphibians.
- ***Atlas of California Coastal Marine Resources*** (California Department of Fish and Game) 1980 (atlas G 1526 L1 C35 1980; also Cal Doc F 650 C52) Set of 134 mostly 1:24,000 scale maps of California's nearshore and intertidal environment which indicate presence of biological resources (shellfish, marine mammals and birds, pelagic and bottomfish, kelp beds, spawning areas), human resources (piers, artificial fishing reefs, sewer outfalls and power plant sites), and land use (refuges, areas of special biological significance, fishing and recreational areas).
- ***Atlas of the Biodiversity of California*** (California Department of Fish and Game) 2003 (ref QH 76.5 C2) Atlas depicts California's great diversity of terrestrial and aquatic animals, plants, and habitats. It explains the state's unique geography, shows how biodiversity is measured, contains a series of species richness maps and provides examples of the complexity and uniqueness of California's wildlife habitats.
- Biodiversity Maps of Fishes in California (Information Center for the Environment) Series of maps that show species richness.
- Bioregions (California Dept. of Forestry and Fire Protection, Fire and Resource Assessment Program) Statewide map of bioregion boundaries.
- CalFish Interactive Mapper (California Department of Fish and Game) Interactive mapper that includes base map data layers,

species- related data layers and physical data. Pan and zoom, use a measuring tool for distance and area, add labels, and print a custom map.

- ***California, An Environmental Atlas & Guide*** (Kreissman) 1991 (ref F 859 K74 1991) Collection of mostly state base maps that show boundaries, management areas, and facilities for federal and state agencies, universities, private organizations, and major physiographic and ecological features. Also has a directory of federal, state, and major private environmental agencies.
- California Department of Fish and Game Ecological Reserves (California Department of Fish and Game) 2004
- California Department of Fish and Game Properties (California Department of Fish and Game) Interactive mapper allows one to zoom to a specific location in California and identify CDF facilities and properties.
- California Department of Fish and Game Wildlife Areas (California Department of Fish & Game) 2003
- California Digital Conservation Atlas (California Resources Agency) Interactive mapper brings together natural resource and planning data from a variety of local, state, and national sources, and allows users to mix and match those layers of information at different scales for creating custom maps. Included are over 70 data sets in five broad areas--terrestrial biodiversity; aquatic biodiversity and watersheds; urban openspace and rural recreation; working landscapes; and environmental stressors. Specific layers cover natural vegetation; land cover; fire history; wetlands; important farmlands; soils; impaired water; conservation plans; public land ownership; county land use plans; urban areas and projected growth; rivers, lakes and dams; roads; floodplains; watersheds and endangered species. The Atlas is designed to provide natural resource information in a regional and statewide context. The data sets are not appropriate for viewing at map scales finer than 1:24,000. One can zoom by county or zipcode or use the interactive mapper to navigate to a specific location. Maps created can be printed and the associated data can be downloaded for use in a gis system.
- California Environmental Resources Evaluation System (CERES) (California Resources Agency) "Environmental Information by Geographic Area" includes links to "Maps and Spatial Data" by bioregion, watershed, or county.
- California Natural Diversity Database (CNDDB) Quad Viewer (California Department of Fish and Game) Interactive mapper that lists all CNDDB species or natural communities that have been documented by the CNDDB to occur within a USGS 1:24,000 topographic quad. This list may include both recent and historical records.
- California's Fish Hatcheries (California Department of Fish and Game)
- ***Catalog of California Seabird Colonies*** (FWS/OBS-80/37) (Sowls) 1980 (Docs I 49.2:SE1/4) Contains species accounts of 17 California seabirds followed by a series of 1:24,000 scale maps of seabird colonies giving species present and number of breeding birds.
- Department of Fish and Game Trout Planting Sites (International Center for the Environment) State-wide map of California.
- Distribution Maps of Fishes in California (Information Center for the Environment) Series of 110 maps that show probable and potential distribution of native and non-native fish species.
- Ecological Subregions of California (US Forest Service) Includes maps and descriptions of 19 ecological sections and each of their subsections. A separate print map is also available-- ***Ecological Units of California: Subsections*** (U.S. Forest Service) 1994 (map G 4361 D1 1994 U55)
- Fishery Restoration Sites (In-Field Projects) (International Center for the Environment) State-wide map of California.

- ***GAP Analysis of Mainland California: An Interactive Atlas of Terrestrial Biodiversity and Land Management*** (California GAP Analysis Project) 1995 (Atlas QH 76.5 C2 C34 1995) Provides an assessment of the conservation status of native vertebrate species and natural land cover types in California. Uses medium-scale distribution maps to show 300 dominant plant species, 200 plant communities, predicted distribution of 455 terrestrial wildlife species, 58 wildlife habitat types, and land ownership and management status. Will also display a list of rare or endangered species in a selected 1:24,000 USGS quadrangle. The interactive atlas allows one to make queries, displays, and analyses. Data can be downloaded in Arc/Info export format for use in a local GIS system. Data is available in statewide datasets or in subsets by ecological region. For additional information or to download GIS coverages directly from the Internet see the California GAP Analysis Home Page.
 - ***Initial Assessment of the Health and Condition of California's Lands and Natural Resources*** (California Resources Agency) Includes an extensive collection of supporting maps.
 - ***Inland Trout of California: Historic Ranges, Designated Wild Trout Waters, and Trout Planting Locations*** (California Department of Fish and Game)
 - ***Jepson Regions of California*** (California Gap Analysis Project)
 - ***Maps, Metadata, and Spatial Data*** (California Watershed Information Technical System) Series of statewide environmental maps grouped under biological, habitat, physical, and administrative categories.
 - ***Southern Oregon - Northern California Bioregional Domain Wildlife Habitat Map & Database*** (Humboldt State University. Spatial Information Systems Institute)
 - ***Wildlife Habitats - California Wildlife Habitat Relationships System*** (California Department of Fish and Game) Distribution maps of the 59 wildlife habitat types used in the California Wildlife Habitat Relationships System.
 - ***Wildlife Habitats: Multi-Source Land Cover Data*** (California Department of Forestry and Fire Protection) 2004. Compiled for the Forest and Range 2002 Assessment using California Wildlife Habitat Relationships System habitats.
 - ***Wildlife Habitats: Gap Analysis Program*** (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) 2001. Statewide map of California at a scale of 1:1 million that classifies wildlife habitats using the California Wildlife Habitat Relationships classification system.
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Energy & Mineral Resources

- ***California On-Line Energy Maps*** (California Energy Commission) Series of maps concerning energy production and distribution within California.
- ***California Wind Atlas*** (California Energy Commission and California Department of Water Resources) 1985 (Cal Docs E 2015 W55) Available wind data is summarized using charts, maps, and graphs.
- ***California Principal Mineral Producing Localities*** (US Geological Survey & California Division of Mines & Geology) From ***Minerals Yearbook***

- ***Energy Map of California*** (California Division of Oil, Gas, and Geothermal Resources) 2000 (map G4361.N3 2000 C2) 1:1,000,000 scale map shows sedimentary basins, oil, gas and geothermal fields, pipelines, shipping lanes, tanker terminals, refineries, and power plants.
 - **Renewable Energy Atlas of the West: California** (Land and Water Fund of the Rockies) The basic atlas profiles and maps wind, solar, geothermal and biomass power in the 11 Western states, including availability, current status, and government policies. Includes a regional overview and profiles for each state. The basic site contains both a collection of pre-drawn maps and an interactive mapper.
 - ***Geothermal Resources of California*** (California Division of Mines and Geology) 1980 (California Geologic Data Map #4) (map G 4361 N32 1980 C35; also Cal Doc C 810 G4d #4)
 - ***Mines and Mineral Producers Active in California*** (California Division of Mines and Geology) 1996 (Special Publication # 103) (Cal Docs C 810 s59 #103) Map is part of a report of the same title that contains a directory of mines; and an listing by mines by commodity that is subdivided by county.
 - **Oil, Gas and Geothermal Fields in California** (California Department of Conservation. Division of Oil, Gas and Geothermal Resources) 2001. Shows California oil, gas and geothermal fields;and sedimentary basins with oil and gas production.
 - ***Technical Map of the Geothermal Resources of California*** (Majmundar) 1983 (Cal Docs C 810 G4d #5) (California Geologic Data Map #5) More detailed and technical 1:750,000 scale map than the original ***Geothermal Resources of California*** map that shows relationships between geothermal resources, faults, and Quaternary volcanic rocks. The text also provides technical information on the chemistry of individual geothermal waters and interpretations of subsurface temperatures.
 - **USGS Mineral Resources Data: Western U.S. View** (U.S. Geological Survey) Interactive mapper allows one to display data layers showing geology, lithology, geochemical and geophysical parameters, and mineral resources. Part of the larger Mineral Resources On-Line Spatial Data
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Environmental Pollution

- **AQMIS (Air Quality and Meteorological Information System)** (California Air Resources Board) Interactive mapper allows one to display current and historical air quality data--ozone and particulate matter--for California.
- **CHAPIS: Community Health Air Pollution Information System** (California Air Resources Board) Interactive mapper allows one to identify sources of air pollution emissions within a specified geographic location. Select a county, region, or zip code; or use the interactive mapper to zoom to an area. The combined contribution of cars, trucks, industrial and commercial facilities, and other air pollution sources are mapped. Tools are provided that summarize statistics for an area of interest. From the CHAPIS map there are also links to other data sources, such as tools to query the statewide emission inventory database and the network of air monitoring stations.
- **GeoTracker** (California State Water Resources Control Board) Interactive mapper that emphasizes data layers for Leaking Underground Fuel Tanks (LUFTs) and public drinking water wells. Other available data layers include Underground Storage Tanks (USTs), roads, topography and watersheds.

- Petroleum Related Pollution (Energy Independence Now) Statewide map shows superfund sites, leaking underground storage tanks, major oil spills and air basin status for ozone
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Geology

- Indexes

- California Geological Survey (formerly California Division of Mines and Geology)
 - **Consolidated Index of Publications, Division of Mines and State Mining Bureau, 1880-1943** (Bradley) 1945 (Cal Docs C 810 B9 #131) (California Division of Mines Bulletin #131) Detailed index to bureau publications that includes entries by author, county, mine and mining district.
 - **Publications of the California Division of Mines to July 1, 1961** (Egenhoff and Rice) 1962 (Cal Docs C 810 P9 1961) Includes detailed table of contents by series, author index , and subject index.
 - Publications Catalog (California Geological Survey) Annual (print copy available in Cal Docs C 810 P9) Lists currently available publications by series.
- California Geotour: an Online Index to Geological Field Trip Guides of California (California Geological Survey)
- **Geologic Map Index for California** (Fuller) 1987 (Docs I 19.86:C12/986) Lists 1366 California geological maps, excluding those published in theses, dissertations and state open file reports. Accompanying index maps are arranged by scale range and show the area of geologic mapping covered by each map. This print index has been incorporated into the continuously updated National Geologic Map Database that includes over 4500 geologic maps for California.
- Index to Geologic Mapping in California (California Geological Survey) Selective bibliography to geologic mapping of California that is arranged into 27 1:250,000 scale quadrangles corresponding to the **Regional Geologic Map Series**. The ongoing bibliography is maintained to support the series. Each completed quadrangle in the **Regional Geologic Map Series** includes a more detailed *Index to Geologic Maps Used in Compilation of the ... Quadrangle*.
- **Index to Geologic Maps of California** (California Division of Mines and Geology) Subdivided into the same 27-sheet sequence as the 1:250,000 **Geologic Map of California**. Updated at periodic intervals, it was originally compiled for the production of the statewide **Geologic Map of California**. Plotted on each index sheet are published and open-file maps issued by the US Geological Survey or California Division of Mines and Geology, and maps published in geologic guidebooks, geologic journals, and conference proceedings:
 - maps to 1956 **CDMG Special Report 52** (Abstr Cal Docs C 810 S6)
 - 1957-1960 **CDMG Special Report 52A** (Abstr Cal Docs C 810 S6)
 - 1961-1964 **CDMG Special Report 52B** (Abstr Cal Docs C 810 S6)
 - 1965-1968 **CDMG Special Report 102** (Abstr Cal Docs C 810 S6)
 - 1969-1975 **CDMG Special Report 130** (Abstr Cal Docs C 810 S6)

1976 *California Geology* 34(4): 80-84, Apr. 1981 (Cal Docs C 810 S6)

1977-1978 *California Geology* 36(1): 6-13, Jan. 1983 (Cal Docs C 810 S6)

- *Index to Graduate Theses on California Geology* (California Division of Mines and Geology) Companion index to *Index to Geologic Maps of California* that indexes masters theses and doctoral dissertations:
 - theses to 1961 *CDMG Special Report 74* (Cal Docs C 810 S6)
 - 1962-1972 *CDMG Special Report 115* (Cal Docs C 810 S6)
 - 1973-1974 *California Geology* 31(2): 33-40, Feb. 1978 (Cal Docs C 810 M5)
 - 1975-1976 *California Geology* 31(4): 90-94, Apr. 1978 (Cal Docs C 810 M5)
 - 1977-1978 *California Geology* 33(7): 158-164, Jul. 1980 (Cal Docs C 810 M5)
 - 1979-1982 *California Geology* 37(5): 99-110, May 1984 (Cal Docs C 810 M5)
 - 1983-1984 *California Geology* 42(9): 201-213, Aug. 1989 (Cal Docs C 810 M5)
 - 1985-1986 *California Geology* 42(12): 271-280, Dec. 1989 (Cal Docs C 810 M5)
 - 1987-1989 *California Geology* 43(12): 272-283, Dec. 1990 (Cal Docs C 810 M5)
 - 1990-1997 *CDMG Special Report 174* (Cal Docs C810 S6)
- Index to Published Landslide Maps, California Coast Ranges, Monterey County and North for Use in Timber Harvest Plan Preparation on Non-Federal Land. (California Division of Mines and Geology) 1999 (Special Publication #120) (print copy available in Cal Docs C 810 S59 1999 #120) For each of 269 USGS topographic quadrangles lists geologic and landslide map coverage from two major CDMG mapping efforts listed below.
- National Geologic Map Index (US Geological Survey) - Catalog of paper and digital geologic maps. Searchable by geologic theme, geographic area (clickable map, county, 1:100,000 quad, geographic coordinate), author, title, map scale, publisher, and map number. When complete, the database will contain information about geologic maps produced by the USGS, other federal agencies, tribal governments, state geological surveys, local governments, academic institutions, and the private sector.
- Geologic Map Index to United States Geological Survey 7.5' and 15' Quadrangles of California (Crofts) Covers geologic maps of California included in 14 map and monograph series published by the US Geological Survey. Arranged by topographic quadrangle name.
- "Source Data Index" IN *An Explanatory Text to Accompany the 1:750,000 Scale Fault and Geologic Maps of California* (Jennings) 1985, pp. 125-197 (CDMG Bulletin #201) (Cal Doc C 810 B9 #201) Set of 1:250,000 scale indexes corresponding to the 27 quadrangles of the *Geologic Map of California*. The index for each quadrangle shows geologic mapping published between the date of the issuance of the original geologic quadrangle and 1985. For earlier mapping one should refer to the *Index to Geologic Mapping* issued with the original quadrangle.
- **Maps & Atlases**
 - *Assessment and Atlas of Shoreline Erosion Along the California Coast* (California Department of Navigation and Ocean Development) 1977 (Cal Docs N 540 S36) Includes an atlas section of 129 maps at a scale of 1:40,000 which classifies California's shoreline into six shoreline conditions.
 - *California Continental Margin Geologic Map Series* (California Division of Mines and Geology) 1986-1989 (Cal Docs C 810 C66) Series of seven folios at a scale of 1:250,000 covering the California continental margin. Each folio includes four sheets:

- "Geologic Map," "Bouguer Gravity and Magnetic Anomaly," "Earthquake Epicenters and Selected Fault Plane Solutions," and "Well Location, Geophysical Trackline and Data Source Map." ***Geology of the California Continental Margin*** (CDMG Bulletin 207) (Cal Doc C 810 B9 #207) contains an explanation of the map series along with a 37-page bibliography.
- California Earth Science Digital Publications and Datasets (US Geological Survey Western Region) Lists digital maps and reports in digital format for California prepared by the US Geological Survey. Listed by USGS publication series.
 - California Geomorphic Provinces (California Geological Survey) (CGS Note 36) Contains maps and descriptions of California's 11 geomorphic provinces.
 - Generalized Geologic Map of California (California Geological Survey) (CGS Note 17)
 - ***Geologic-Landslide Maps*** (California Department of Forestry) 1979 (map G 4361 C5 s62 C2) Series of maps published on a USGS 15' quadrangle base at a scale of 1:62,500 that map the geology and land form stability of coastal northern California. Originally prepared for use in timber harvest plan preparation they have been superseded in part by the more recent ***Geology and Geomorphic Features Related to Landsliding*** series. The Index to Published Landslide Maps, California Coast Ranges, Monterey County and North for Use in Timber Harvest Plan Preparation on Non-Federal Land (Print copy available in Cal Docs C 810 S59 #120) can be used as a guide to the series.
 - Geologic Map of California (U.S. Geological Survey) 1974 (USGS Miscellaneous Geologic Investigations Map I-512) (Print copy available in Docs I 19.91: I512) Online image available in four resolutions of geologic map originally published at a scale of 1:2.5 million.
 - ***Geologic Map of California*** (California Division of Mines and Geology) 1959-1968 (Cal Docs C 810 G4) Older 27-sheet series at a scale of 1:250,000 that shows the regional distribution and interrelationships of rock units and major geologic structures in California. Accompanying each sheet is an *Index to Geologic Mapping* used in compilation of the sheet, a *Stratigraphic Nomenclature* chart, and a list of *Topographic Quadrangles* used as a base for the sheet. The individual sheets are also collectively published as the ***Geologic Atlas of California*** (Atlas G 1526 C5 C25 1968 folio; also Cal Docs C 810 G4 folio)
 - ***Geologic Map of California*** (Jennings) 1977 (California Geologic Data Map #2) (map G 4361 C5 1977 C1; also Cal Doc C 810 G4d #2) 1:750,000 scale geologic map of California. ***An Explanatory Text to Accompany the 1:750,000 Fault and Geologic Maps of California*** (Cal Doc C 810 B9 #201) gives background information, geologic formation, and literature sources used in compilation of the map.
 - ***Geology and Geomorphic Features Related to Landsliding*** (California Division of Mines and Geology and California Department of Forestry and Fire Protection) 1982-1985 (Cal Docs C 810 O63 various numbers and Humboldt County Collection map files) Series of 60 1:24,000 quadrangles that provide detailed mapping of the geology and geomorphic features affecting landslide potential, soil erosion, and streambank erosion in sensitive watersheds of Mendocino, Humboldt, and Del Norte Counties of California. Watersheds Mapping includes a description and index to these maps and Download Watershed Maps provides .pdf versions of each quadrangle in two layers--"Geologic Features Map" and "Geomorphic Features Map". (A cd-rom version containing the same .pdf files is available in Cal Docs C 810 W39). Geological, landslide and landslide potential mapping of additional quadrangles is available at THP Maps and Publications.
 - ***Gravity Map of California and Its Continental Margin*** (Oliver) 1980 (California Geologic Data Map #3)(map G 4361 C95 1980 C34; also Cal Doc C 810 G4d #3) 1:750,000 scale Bouguer gravity map of California. Explanatory text is ***Interpretation of the***

Gravity Map of California... (CDMG Bulletin 205) (Cal Doc C 810 B7 #205). More detailed mapping at 1:250,000 is found in the **Bouguer Gravity Map of California Series** (Cal Doc C 810 B6).

- **Isostatic Residual Gravity Map of California and Offshore Southern California** (Roberts, Jachens and Oliver) 1990 (Cal Doc C 810 G4d #7) (California Geologic Data Map #7) Overlaid on the 1:750,000 scale geologic map of California are lines of equal isostatic residual gravity in millgals.
- **Map Showing Areas of Estimated Relative Amounts of Landslides in California** (Radbruch and Crowther) 1973 (USGS Miscellaneous Geologic Investigations Map I-747) (Docs I 19.91: 747) 1:1 million scale map showing the estimated relative proportion of area covered by landslides within delineated bedrock and surficial units.
- **Offshore Surficial Geology of California** (California Division of Mines and Geology) 1975 (Map Sheet 26) (Cal Docs C810 M32 #26) 1:500,000 scale map shows the distribution of rock and bottom sediments.
- **Quaternary Faults and Fold Database of the United States: California** (US Geological Survey) Contains information on faults and associated folds in California that are believed to be sources of M>6 earthquakes during the Quaternary (the past 1,600,000 years). Maps of these geologic structures are linked to individual descriptions and references for each structure. Search using a map-based interface that breaks the state into 1 x 2 degree quadrangles .
- **Regional Geologic Map Series** (California Division of Mines and Geology) 1982- (Cal Docs C 810 R43) Intermediate scale geological map series at a scale of 1:250,000 that is slowly replacing the older **Geologic Map of California** series. Each folio includes 4 sheets: *Geologic Map*, *Geologic Map Explanation*, *Index to Geologic Maps Used in Compilation*, and *Location Map of Rock Samples Dated by Radiometric Methods*.
- **Tapestry of Time and Terrain: California** (US Geological Survey) Combines geology and relief on one map. Ages of rocks are linked to distribution maps for each geologic time period.

Historical

- **California 1895** (Rand McNalley & Co.) (Johns Hopkins University Applied Physics Laboratory) Includes inset of Central California.
- **California 49: Forty-nine Maps of California from the Sixteenth Century to the Present** (Heckrotte & Sweetkind) 1999 (Case GA 413 C35 1999)
- **California County Boundary Historical Maps** (Berlo) 2002 (Atlas G 1526 F7 B47 2002) Contains two sets of maps that show the development of California's county boundaries from 1850-2000. The first set consists of 45 maps of the entire state that show each year when a county boundary was changed. The second set subdivides the state into 18 regional sheets, each of which shows every line that has ever been a county boundary, the boundary date, and the associated county.
- **California as an Island** - Louis Hennepin - 1699 (University of Minnesota Libraries)
- **California Digital Maps** (UC Berkeley Earth Sciences and Map Library) Includes almost 4001 scanned maps, most of which are pre-20th Century.

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details and city improvements, including lot lines, street widths, fire hydrants, and other fire-fighting facilities. A key to map notations provided by the Sanborn Map Company is available.

These maps frequently represent the most detailed information on historical urban land use and are used by scholars and professionals in history, geography, architecture, and environmental engineering. For additional background information on fire insurance maps see:

- Sanborn Fire Insurance Maps (UC Berkeley Map Library) This is the introduction found in ***Fire Insurance Maps in the Library of Congress: A Checklist*** (Library of Congress. Geography and Map Division) 1981 (Docs LC 5.2:F51) that lists fire insurance maps found in the Library of Congress.
- ***Fire Insurance Maps: Their History and Applications*** (Oswald) 1997 (HG 9771 O89 1997)

The following California libraries contain extensive collections of microform, print, or digital Sanborn fire insurance maps that supplement HSU Library holdings for northwestern California. Indexes are available at each library to their California holdings.

- Los Angeles Public Library
- University of California, Berkeley Earth Sciences and Map Library
- University of California, Davis Government Information and Maps Department
- California State University, Northridge Geography Map Library
- Stanford University. Branner Earth Sciences Library and Map Collections

Land Use

- ***California Federal Public Lands Responsibility Map*** (US Bureau of Land Management) 1978 (map G 4361 G5 1978 U51; also Docs I 53.11:C12/4) 1:750,000 scale map showing federal, state, and private land ownership in California. For 1:100,000 scale mapping of land ownership in California, see the ***Surface Management Status*** series (map G 3701 G5 3100 U5) and the map index to California maps.
- **California Rivers Assessment (CARA)** (International Center for the Environment and California Resources Agency) For each of the 120 river basins in California five static, predefined maps are available: hydrologic, vegetation, shaded relief, land ownership, and 1:24,000 quad grid. Other nongraphic watershed statistics and information is also available.
- ***Comprehensive Ocean Area Plan General Inventory*** (California Department of Navigation and Ocean Development) 1971 (Cal Doc N 540 C6p Pt.1 & Pt.2 folio) First major inventory of California's coastal zone prepared in support of the Comprehensive Ocean Area Plan. Two series, each with 127 maps at a scale of 1"=2,000 ft., map and classify California's coastal zone. Part I: "Land Use/Site Characteristic Inventory" categorizes developed areas into 66 categories and undeveloped areas into 25 categories. Part II: "Land Ownership Inventory" delineates 30 categories of land ownership.
- **Land Ownership** (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) Series of five

regional maps that show land ownership. Part of the California Land Cover Mapping and Monitoring Program (LCMMP) that is a collaborative effort of the US Forest Service and CDF.

- **Land Ownership in California** (California Farm Bureau Federation) Series of three maps--one for the entire state and two regional maps-- that show land ownership based upon data from the Conservation Biology Institute.
 - **Management Landscape** (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) Statewide map at a scale of 1:1 million classifies lands into eight predominant land uses.
 - **Progression of Development** (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) 2000. Statewide map at a scale of 1:1 million that shows the historical progression of urban and suburban development by decade.
 - **Public Ownership** (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) 2000. Statewide map at a scale of 1:1 million has shows public land ownership by agency.
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Marine

- ***Assessment and Atlas of Shoreline Erosion Along the California Coast*** (California Department of Navigation and Ocean Development) 1977 (Cal Docs N 540 S36) Includes an atlas section of 129 maps at a scale of 1:40,000 which classifies California's shoreline into six shoreline conditions.
 - ***Atlas of California Coastal Marine Resources*** (California Department of Fish and Game) 1980 (atlas G 1526 L1 C35 1980; also Cal Doc F 650 C52) Set of 134 mostly 1:24,000 scale maps of California's nearshore and intertidal environment which indicate presence of biological resources (shellfish, marine mammals and birds, pelagic and bottomfish, kelp beds, spawning areas), human resources (piers, artificial fishing reefs, sewer outfalls and power plant sites), and land use (refuges, areas of special biological significance, fishing and recreational areas).
 - **Historical Map and Chart Collection** (US NOAA. Office of Coast Survey) Contains over 20,000 maps and charts from the late 1700s to present day. The Collection includes some of the earliest US nautical charts, hydrographic surveys, topographic surveys, bathymetric maps, geodetic surveys, city plans and Civil War battle maps. Search by keyword, geographic area, type of map, date, or chart number.
 - **Major Harbor Areas** (California Department of Fish and Game) Taken from the Survey of Non-Indigenous Aquatic Species in the Coastal and Estuarine Water of California.
 - **Minor Ports** (California Department of Fish and Game) Taken from the Survey of Non-Indigenous Aquatic Species in the Coastal and Estuarine Water of California.
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Natural Hazards

Includes earthquake, fire, and flood maps.

- California Volcanics-Maps and Graphics, etc. (USGS Cascades Volcano Observatory) Collection of maps showing distribution of volcanoes in the Cascade Range and in California.
- California/Nevada Seismic Hazard Maps (US Geological Survey. National Seismic Hazard Mapping Project) Series of 12 maps (gif, pdf, and ps format) that show probabilities of exceedance for peak ground accelerations and spectral acceleration.
- **Earthquake Fault Zone Maps** (formerly **Special Studies Zone Maps**) (California Division of Mines and Geology) (print maps for northwestern California are located in the Humboldt County Collection Map Case; for the rest of California see **Digital Images of Official Maps of Alquist-Priolo Earthquake Fault Zones of California**, a series of three cd-roms that contain Earthquake Fault Zone Maps for the entire state (Cal Docs C 810 A57)) Series of maps at a scale of 1:24,000 showing regulatory zones around surface traces of active faults in California. Produced under the authority of the Alquist-Priolo Earthquake Fault Zoning Act, they are used in planning and controlling of construction in these zones.. **Fault-Rupture Hazard Zones in California** (CDMG Special Publication #42) (print copy available in Cal Docs C 810 S59) contains a detailed description of the mapping program and an index to available maps. The Alquist-Priolo Earthquake Fault Zones also provides background material and an Index to Official Maps of Earthquake Fault Zones.
- **Earthquake Shaking Potential in California** (California Geological Survey) 2003. Shows the relative intensity of ground shaking and damage in California from anticipated future earthquakes.
- **Earthquakes in California and Nevada** (Goter) 1994 (USGS Open-file Report #94-647) (map G 4361 C55 1994 G6) 1:1 million scale map showing earthquake epicenters from 1836 to 1994 on a Raven base map.
- **Epicenters of and Areas Damaged by M>5 California Earthquakes, 1800-1999** (California Geological Survey) 2000 (Map Sheet 49) (Print copy available in Cal Docs C 810 M32 #49)
- **Fault Activity Map of California and Adjacent Areas, with Locations and Ages of Recent Volcanic Eruptions** (Jennings) 1994 (California Geologic Data Map #6) (Cal Docs C810 G4d #6) 1:750,000-scale map of faulting in California classified and color-coded in a six-fold system. **An Explanatory Text to Accompany the 1:750,000 Fault and Geologic Maps of California** (Cal Doc C 810 B9 #201) gives background information, list of faults, list of thermal springs and wells, and literature used in compilation of the map. Updates the **Fault Map of California, with Locations of Volcanoes, Thermal Springs and Thermal Wells** (Jennings) 1975 (California Geologic Data Map #1) (map G 4361 C55 1975 C1; also Cal Doc C 810 G4d #1).
- **Faults of Southern California** (Southern California Earthquake Data Center) Clickable map of southern California that will take you to an enlarged relief map of six different regions with local faults highlighted in a variety of colors, and linked to pages detailing information about these faults.
- **Fire Hazard Severity Zones** (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) 2001. Statewide map at a scale of 1:1 million that shows fire hazard severity zones for State Responsibility Area (SRA) lands.
- **Fire Threat** (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) 2003. Statewide map of fire threat that uses a four-class rating system that is derived from a combination of fire frequency (how often an area burns), and expected fire behavior under severe weather conditions. Fire frequency is derived from 50 years of fire history data. Fire behavior is derived from fuels and terrain data.

- ***Geology and Geomorphic Features Related to Landsliding*** (California Division of Mines and Geology and California Department of Forestry and Fire Protection) 1982-1985 (Cal Docs C 810 O63 various numbers and Humboldt County Collection map files) Series of 60 1:24,000 quadrangles that provide detailed mapping of the geology and geomorphic features affecting landsliding in sensitive watersheds in Mendocino, Humboldt, and Del Norte Counties of California. Watersheds Mapping includes a description and index to these maps and Download Watershed Maps provides .pdf versions of each quadrangle in two layers--"Geologic Features Map" and "Geomorphic Features Map".
- **Historic Earthquakes in Southern California** (Southern California Earthquake Data Center) Clickable map of southern California, with epicenters of historic earthquakes as far back as 1812. Earthquakes are plotted over the background topography. Contains reports for each earthquake.
- **Index Map of Recent Earthquakes in California and Nevada** (US Geological Survey) Maps earthquakes occurring in California during the last hour, last day, and last week. Clickable map allows one to zoom for more detail. Includes links to special maps for Long Valley, Los Angeles, and San Francisco.
- ***Major Earthquakes and Fault Zones of California*** (Masse and Dewey) 1996 (map G 4361 C55 1996 M3)
- ***Map Showing Areas of Estimated Relative Amounts of Landslides in California*** (Radbruch and Crowther) 1973 (USGS Miscellaneous Geologic Investigations Map I-747) (Docs I 19.91: 747) 1:1 million scale map showing the estimated relative proportion of area covered by landslides within delineated bedrock and surficial units.
- ***Maps of Known Active Fault Near-Source Zones in California and Adjacent Portions of Nevada to be Used with the 1997 Uniform Building Code*** (California Division of Mines and Geology) 1998 (atlas G 1526 C55 M3 1998) Maps identify the locations of known active fault near-source zones in California that are used in the implementation of the UBC.
- **Natural Hazard Disclosure Maps** (California Department of Forestry and Fire Protection) Series of California county maps that show the two types of fire hazard areas referenced in California legislation as disclosure items in real estate transactions. This includes *Very High Fire Hazard Severity Zones* (VHFHSZ) in Local Responsibility Areas (LRA) and *Wildland Areas That May Contain Substantial Forest Fire Risks and Hazards* in State Responsibility Areas (SRA). County map images can be viewed online as .pdf files or downloaded as ArcView shapefiles.
- **Patterns on the Land: Geology** (Golden State Museum) Series of maps that show locations from California earthquakes from 1769 to 2000.
- **Probabilistic Seismic Hazard Map of California** (California Geological Survey) Series of maps for every 1 degree by 2 degree quadrangle in California showing contours of probabilistic ground shaking (Peak Ground Acceleration [PGA], 10% probability of being exceeded in 50 years, assuming a uniform soft rock site condition).
- **Quaternary Faults and Fold Database of the United States: California** (US Geological Survey) Contains information on faults and associated folds in California that are believed to be sources of M>6 earthquakes during the Quaternary (the past 1,600,000 years). Maps of these geologic structures are linked to individual descriptions and references for each structure. Search using a map-based interface that breaks the state into 1 x 2 degree quadrangles .
- **River Stage Maps from National Weather Service/California Nevada River Forecast Center** (California Department of Water Resources - California Data Exchange Center) Contains regional maps showing river stages and discharge levels at selected gaging sites during

three time intervals: current hour, 1 hour ago, and 2 hours ago.

- **Seismic Hazard Zone Maps** (California Division of Mines and Geology) Series of maps at a scale of 1:24,000 covering urban areas of California that chart areas prone to liquefaction (failure of water saturated soil) and earthquake-induced landslides . Prepared under the authority of the Seismic Hazards Act of 1990, they are used by cities and counties to regulate development. The Seismic Hazard Mapping Program Home Page includes information about the program, an interactive mapper, accompanying evaluation reports and downloadable gis files.
- ***Seismic Shaking Hazard Maps of California*** (Petersen, et al) 1999 (Cal Doc C810 M32 #48) (Map Sheet #48) Includes seven maps on a single sheet: Historic earthquakes (1800-1994) with magnitudes 5 or greater -- Spectral acceleration for 0.3-second period (high frequency) -- Areas damaged by historic earthquakes (1800-1998) -- Spectral acceleration for 1.0-second period (low frequency) -- Slip rates of major active faults -- Preliminary surface geologic materials--Peak ground acceleration 10% probability of being exceeded in a 50 year period.
- **ShakeMap** (TriNet ShakeMap Working Group) Representations of ground shaking produced by moderate and large California earthquakes. Automatically generated maps show instrumental intensity, peak ground acceleration, peak ground velocity, and spectral response.
- ***Simplified Fault Activity Map of California*** (Jennings and Saucedo) 2002 (Cal Doc C810 M32 #54 (Map Sheet #54) Significant earthquakes and fault reputures plotted on map.
- **WaterWatch--Current Water Resources Conditions: California** (US Geological Survey) Sereis of maps that graphically show streamflow conditions in California. Maps are updated daily or more frequently. Individual maps show real-time streamflow compared to historical streamflow, flood and high flow conditions, daily streamflow compared to historical streamflow, 7-day average streamflow compared to historical streamflow, below normal 7-day average streamflow compared to historical streamflow, and drought watch. Mouse-over any of the 200+ recording sites to get detailed site information.
- **Weekly Seismicity Maps** (Berkeley Seismological Lab) Contains general seismicity maps for Northern California and more detailed maps for seismically active locations in California. Includes annual maps from 1998 to the present; and, for the current year, maps for the current week, month, and year-to-date. Maps are updated every Friday.

Outline

- **California County Map** (Berkeley Digital Library)
- **California** (Maps.com) Outline map showing major cities and rivers.
- ***California Patterns: A Geographical and Historical Atlas*** (Hornbeck) 1983 (atlas G 1525 H6 1983) Appendices contain several reproducible outline maps of California.
- **California's Regions** (Houghton Mifflin)
- **Counties** (Perry-Castaneda Map Library) Image of US Bureau of the Census 1990 County Outline Map.

- [Free Blank Outline Map of California](#) (About.com Guide to Geography)
 - [ICEMAPS2](#) (Interactive California Environmental Management, Assessment, and Planning System) (International Center for the Environment) Interactive mapper that allows users to pan and zoom to a specific geographic area and display one or more layers from 30 datasets. One can also query the database and display information about all currently displayed map layers.
 - [National Digital Map Library](#) (University of Virginia Geospatial and Statistical Data Center) For California (and other states) includes the following outline pdf maps--state boundary, county boundary, major cities, hydrography, and national parks and forests.
 - [National Geographic Xpeditions Atlas: California](#) (National Geographic Society)
 - [Statewide Map of California Counties](#) (California Voter Foundation)
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Political

- [Assembly Redistricting Plan Detailed PDF Maps](#) (California State Assembly) Maps of 2001 Assembly districts.
 - *[Atlas of California Presidential Elections by County, 1932-1992](#)* (Miller) 1995 (Atlas G 1526 F9 M6 1995) For each presidential election presents tables and maps for election results by county and political party.
 - [California Counties](#) (California Indian Library Collections)
 - [California Map Series](#) (California Voter Foundation) Contains statewide and individual maps for each Congressional, Assembly, and Senate district for both 1991 and 2002.
 - [California District Maps](#) (University of California, Berkeley, Institute of Governmental Studies) Contains maps reflecting 1991 Senate, Assembly, and Congressional districts.
 - [California State Senate Districts](#) (California Senate) 1992 court ordered districts
 - [Counties of California](#) (California Gap Analysis Project)
 - [New California Senate Districts](#) (California State Senate) Maps of Senate districts as of 2002
 - [New Congressional Districts](#) (California State Senate) Maps of Congressional Districts as of 2002
 - [Statewide Database](#) (University of California, Berkeley, Institute of Governmental Studies) This is the official redistricting database for the state of California that includes both data and maps. Maps include 2002 Democratic and Republican registration by county; 1992 Presidential voting patterns at the census tract level; 2001 Assembly, Senate and Congressional district maps and 1991 Assembly, Senate and Congressional district maps.
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Public Health

- **California Nutrition Network - GIS Map Viewer** (California Department of Health Services) Interactive mapper allows users to view and query mapped nutrition data at many geographic levels. Data layers that can be displayed include nutrition and other health related data, including CNN Nutrition grantees: LIAs and Special Projects, such as Food Security and African-American 5 a Day projects; lead agencies for CNN regions; identification of high-risk (50% F/RP) schools; retail outlets for grocery stores and eating out; Census 2000 demographics; and percent of individuals living < 130% and < 185% of the federal poverty level
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Recreation

- **California Creekin'--Relief Map: a Whitewater and Touring Guide to California** (Tuthill) Interactive map that includes 81 coastal and mountain whitewater runs. Each entry includes a description and log of the run, photos, and links to real-time water flow and associated topographic maps.
 - **California Road and Recreation Atlas** (Benchmark Maps) 1998 (Atlas G 1526 P2 B45 1998) Series of 37 maps showing parks, forests and wilderness areas; natural wonders, ski areas, boating and fishing areas; museums and other attractions; public campgrounds and RV parks.
 - **California State Park Maps**--print copies of individual park maps and guides are available in Cal Docs P 155 P4 and selected maps are available online at the [California State Parks website](#) .
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Soil

- **Indexes and Guides**
 - **Index to Soil Surveys in California** (California Department of Conservation) 1982 (Ref S 599 C2 T76 1986) Lists availability of soil surveys by county and by agency.
 - **Index to Forest and Range Soil Series in California** (Stangenberger & Mallory) 1981 (ref SD 390.3 U6 C37) Master list of all soil series mapped by the California Cooperative Soil-Vegetation Survey.
 - **Listing of Soil Surveys: California** (U.S. Natural Resources Conservation Service) Includes both print and online surveys completed by the NRCS. Print soil suveys are available in Docs A57.38.
 - **Soil and Vegetation Maps of California with an Emphasis on Northwestern California.** HSU Library handout available in the Map and Atlas Collection that discusses the major vegetation surveys that cover California.
- **Maps and Atlases**
 - **Online Soil Surveys: California** (U.S. Natural Resources Conservation Service)

- ***Soil-Vegetation Maps*** (California Cooperative Soil Vegetation Survey) (G 4361 J3 s62 U5) Ongoing series at a scale of 1:31,680 or 1:24,000 that maps soil and vegetation characteristics in units as small as 10 acres. Geographic coverage is mostly northern California. See index on Map Display Panel in the Atlas and Map Collection in the Library for extent of coverage.
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Street & Road

- ***California Road Atlas & Driver's Guide*** (Thomas Brothers Maps) 1994 (atlas G 1526 P2 T483 1994)
 - ***California Road and Recreation Atlas*** (Benchmark Maps) 1998 (atlas G 1526 P2 B45 1998)
 - **Folded Road Maps and City Plans** - The Map Vertical Filing Cabinet in the Atlas and Map Collection contains folded road maps of California organized in three subdivisions - county, city, and region.
 - **Major Roads of California** (California Gap Analysis Project)
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Topography

- ***USGS Topographic Maps***--The HSU Map Collection contains the most recent edition of 1:24,000 scale (7 1/2 minute) topographic quadrangles and all older 1:62,500 scale (15 minute) topographic quadrangles for California. Also integrated alphabetically into the collection are 1:50,000 scale maps produced by the National Imagery and Mapping Agency. The California Topographic Map Index is displayed on the Map Display Panel in the Map Collection. For online indexes see the general guide to Topographic Maps.
- **California Historic Topographic Map Collection** (California State University, Chico) Contain images of over 900 historic US Geological Survey topographic quadrangles at scales ranging from 1:250,000 to 1:31,680 and ranging in date from the late 1800's to the mid-1940's. All placenames on the maps are indexed and searchable. One can also search by lat/long, township/range, county and historical or current quadrangle names. Presently there is no image map to select an area of interest. The ***Map Index to Topographic Quadrangles of the United States, 1882-1940*** (ref GA 405 M64 1985) can be used to identify some of these maps geographically.
- **High Sierra Topo Maps** (TheHighSierra.com) Includes 7.5 minute topo maps of Eastern High Sierra peaks and 15 minute US Forest Service maps of the eastern High Sierra.
- **Historic Topographic Maps of California** (UC Berkeley, Earth Sciences & Map Library) When completed will contain images of historic 7 1/2' and 15' topographic quadrangles of California produced by the US Geological Survey from 1895 to the present. Currently includes maps covering the greater San Francisco Bay. Use an image map to select the area of interest; or search by quad name or place name.
- **Historic Topographic Maps of Nevada and Its Borders** (University of Nevada, Reno) Contains images of topographic maps published through 1940.

- Los Angeles County Historical Topographic Maps (California Geographic Survey) Contains very detailed .gif images of 39 1:24,000 scale topographic maps produced between 1924 and 1939 which document the cultural landscape of the period.
 - Spatial Locator (California Department of Fish and Game) Seamless collection of USGS 7.5' (1:24,000) topographic quadrangles for California. Search by placename using the Geographic Names Information System (GNIS); township, range and section; geographic coordinate or UTM coordinates. Pan and zoom, use a measuring tool for distance and area, add labels, and print a custom map.
 - **3-D Topo Quads: California, North; California, South** (Delorme) 1999 (Atlas G 1526 C28 D45 & D46 1999--filed at geospatial computers near the HSU Map Collection) CD-ROM contains a seamless collection of USGS 7.5' (1:24,000) topographic quadrangles that includes street-level data updated through 1999. Find any place by place name, geographic feature, quad name, or latitude/longitude. Maps can be printed or saved in 2-D or 3-D formats. Use multiple viewing levels to view a selected area. View selected area in 2-D or 3-D perspective; trace a route and show its cross-sectional profile and distance traveled; or customize the map by adding your own symbols.
 - **Terrain Navigator** (MapTech) 2002 (Atlas G 1526 C28 M28 2002--filed at geospatial computers near the HSU Map Collection) CD-ROM includes all 1:24,000 and 1:100,000 USGS topographic maps for California. One can calculate distances and land areas to the nearest foot or meter, trace a route and see its elevation profile; annotate a map with symbols, and find out the terrain visible from a specific point using line of sight.
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Vegetation

- **Guides**
 - "The History of Vegetation Classification in California" IN *Manual of California Vegetation* (Sawyer and Keeler-Wolf) 1995, pp. 14-18. (Ref QK 149 S28 1995)
 - *International Bibliography of Vegetation Maps, Vol 1. Vegetation Maps of North America* (Kuchler) 1965 (Ref Qk 101 D83 vol. 1) The California section lists vegetation maps which have appeared in periodicals, books and government documents through 1965.
 - "The Status of Vegetation Mapping in California Today" (Colwell) IN *Terrestrial Vegetation of California* (Barbour and Major) 1988, pp. 195-220 (Ref QK 149 T44 1988)
- **Maps and Atlases**
 - California Land Cover and Vegetation (California Department of Fish and Game) Map based upon gap analysis data.
 - California Rivers Assessment (CARA) (International Center for the Environment and California Resources Agency) For each of the 120 river basins in California five static, predefined maps are available: hydrologic, vegetation, shaded relief, land ownership, and 1:24,000 quad grid. Other watershed statistics and information are also available.
 - **CALVEG: Mosaic of Existing Vegetation of California** (US Forest Service) 1979 (map G 4361 D2 1979 U5) Map of existing vegetation at a scale of 1:1,000,000; includes accompanying descriptive booklet. See also *CALVEG: A Classification of*

California Vegetation (QK 911 C34 1981)

- Generalized Land Cover of California (California Gap Analysis Project)
- Land Cover Change (California Department of Forestry and Fire Protection Fire and Resource Assessment Program) Series of county maps that map and assess changes in California's vegetation during a five year period. The five regional areas of the state are updated on a five year cycle. Part of the California Land Cover Mapping & Monitoring Program (LCMMP) that is a collaborative effort of the US Forest Service and CDF.
- ***Natural Vegetation of California*** (Kuchler) 1977 (map G 4361 D2 1977 K9) 1:1,000,000 scale map, with accompanying booklet, of the potential natural vegetation of California; depicts 54 plant communities. Prepared in conjunction with ***Terrestrial Vegetation of California*** (ref QK 149 T44 1988).
- Patterns on the Land: Landscape (Golden State Museum) Series of four maps that show natural vegetation, summer climate, winter climate, and topography.
- ***Soil-Vegetation Maps*** (California Cooperative Soil Vegetation Survey) (map G 4361 J3 s62 U5) Ongoing series at a scale of 1:31,680 or 1:24,000 which maps soil and vegetation characteristics in units as small as 10 acres. Geographic coverage is mostly northern California. See index on Map Display Panel in the Atlas and Map Collection in the Library.
- ***Timber-Stand--Vegetation Cover Maps*** (California Cooperative Soil Vegetation Survey) (map G 4361 K2 s31 U5) Series of 467 maps produced between 1948 and 1962 at a scale of 1:31,680 which map timber characteristics in northern California.
- Vegetation Maps (University of California, Davis. California Rangelands Research and Information Center) Includes four maps: California Rangelands, Intermountain Rangelands, Mediterranean Rangelands, and Desert Rangelands.
- ***Vegetation-Type Maps*** (US Forest Service) (map G 4361 D2 s62 U5) Series of 266 maps at a scale of 1:62,500 produced between 1928 and 1940 showing the vegetation of central and southern California. 23 plant associations are identified in units of at least 20 acres in size; accompanying booklet explains map symbols.

Water Resources & Quality

- California Dams (Berkeley Digital Library Project) Map of dams in California includes links to descriptive information about each of the 1,395 dams. Derived from Dams in the Jurisdiction of the State of California (California Department of Water Resources Bulletin #17).
- ***California Ground Water*** (Water Education Foundation) 1999 (map G 4361 C34 1999 W38)
- California Rivers Assessment (CARA) (International Center for the Environment and California Resources Agency) For each of the 120 river basins in California five static, predefined maps are available: hydrologic, vegetation, shaded relief, land ownership, and 1:24,000 quad grid. Other nongraphic watershed statistics and information is also available.
- ***California State Water Project Atlas*** (California Department of Water Resources) 1999 (atlas TC 424 C2 C3 1999)
- ***California Water Atlas*** (California. Office of Planning and Research) 1979 (atlas folio G 1526 C3 C3 1979; also Cal Docs P 580 W 38)

folio)

- **California Water Map** (Water Education Foundation) 1986 (map G 4361 N44 1986 W4)
- California 1998 303(d) Impaired/Threatened Waters (U.S. Environmental Protection Agency) State map showing waters that do not meet standards for total maximum daily load. Part of the Atlas of America's Polluted Waters.
- CALWATER: a Standardized Set of Watersheds (California Dept. of Forestry and Fire Protection, Fire and Resource Assessment Program) Generated from the CalWater 2.2 dataset.
- Ground Water Atlas of the United States: California, Nevada (US Geological Survey) 1995. Describes the location, extent, geologic and hydrologic characteristics of important aquifers in California. (Print copy available in Docs I 19.89:730B)
- **Hydrologic Unit Map--1978, State of California** (U.S. Geological Survey) 1978 (Docs I 19.89/1 C12) 1:500,000 scale map of USGS hydrologic units.
- Major Rivers and Hydrologic Basins of California (Trust for Public Land) Part of the *State of California Rivers* report prepared in 2001.
- Map of Real-time Streamflow Compared to Historical Streamflow for the Day of the Year (California) (US Geological Survey) "Real-time streamflow" map tracks short-term changes (over several hours) in streamflow conditions at USGS gaging stations. The colors represent real-time streamflow compared to percentiles of historical daily streamflow for the same day of the year. Part of WaterWatch -- Current Water Resources Conditions.
- Pacific Coastal Watersheds (US National Oceans Service. Special Projects Office) Maps watersheds included in the Coastal Assessment and Data Synthesis System (CA&DS).
- River Stage Maps from National Weather Service/California Nevada River Forecast Center (California Department of Water Resources - California Data Exchange Center) Contains regional maps showing river stages and discharge levels at selected gaging sites during three time intervals: current hour, 1 hour ago, and 2 hours ago.
- Rivers and Water Projects Maps (California Department of Water Resources) Contains relief maps of California showing major rivers and federal, state and local water projects that comprise the water delivery system for California.
- WaterWatch--Current Water Resources Conditions: California (US Geological Survey) Series of maps that graphically show streamflow conditions in California. Maps are updated daily or more frequently. Individual maps show real-time streamflow compared to historical streamflow, flood and high flow conditions, daily streamflow compared to historical streamflow, 7-day average streamflow compared to historical streamflow, below normal 7-day average streamflow compared to historical streamflow, and drought watch. Mouse-over any of the 200+ recording sites to get detailed site information.

Weather & Climate

- Average Annual Precipitation (Inches), California, 1961-1990 (Oregon Climate Service) 1995
- Average Temperature for January/July (Maps.com)



Maps and Atlases: California Maps

[Gazetteers](#) | [General-Statewide](#) | [General-Regional](#) | [Agriculture & Forestry](#) | [Culture & Community](#) | [Demography](#) | [Ecology](#) | [Energy & Mineral Resources](#) | [Environmental Pollution](#) | [Geology](#) | [Historical](#) | [Land Use](#) | [Marine](#) | [Natural Hazards](#) | [Outline](#) | [Political](#) | [Public Health](#) | [Recreation](#) | [Soil](#) | [Street & Road](#) | [Topography](#) | [Vegetation](#) | [Water Resources & Quality](#) | [Weather & Climate](#)

For California GIS data sources see [Digital Spatial Data--HSU Library--California](#) and [Digital Spatial Data--Internet--California](#).

Gazetteers

- ***California Geographic Names Information System: Alphabetical List*** (US Geological Survey) 1987 (ref F 859 G46 1987) Printout of California section of the [Geographic Names Information System](#) for the entire United States.
- ***California Place Names: The Origin and Etymology of Current Geographical Names*** (Godde) 1998 (ref F 859 G79 1998)
- ***California's Geographic Names: A Gazetteer of Historic and Modern Names of the State*** (Durham) 1998 (ref F 859 D87 1998)
- **[Geographical Locator](#)** (Gustafson) Use a clickable map of California to identify the following location specific information: latitude/longitude; legal description, including township and range; elevation; gradient and aspect; state, county and FIPS code; hydrologic unit name and code; nearby named places from the Geographic Names Information System; 7.5 minute USGS topographic maps for the area; and links to online 1:100,000 scale maps and other online maps for the area.
- **[Jepson Place Name Index](#)** (Jepson Herbarium) Contains approximately 41,000 place names found on Jepson Herbarium botanical collection labels. Over a period of approximately 50 years, staff and associates of the Jepson Herbarium have reserched these place names using maps in libraries and archives at Berkeley and elsewhere.
- **[Whipple Well: A Database for Mining, Prospecting, Metal Detecting, And Treasure Hunting in California](#)** (CalSign) Database of current and historical places names derived from various sources, organized by county. For each entry gives information on type of feature, geographic coordinates and U.S.G.S 7.5 minute topographic quadrangle.

- ***California Annual Precipitation*** (US Natural Resources Conservation Service) 1999 (map G4361.C883 1998 .U5) Scale 1:1,850,000
- ***California Average Annual Precipitation*** (Maps.com)
- ***California Climate Zones Map*** (California Energy Commission) Shows 16 climate zones that are based on energy use, temperature, weather and other factors.
- ***California Reference Evapo Transpiration (ETO) Zones*** (California Irrigation Management Information System) Shows 16 reference ETO zones.
- ***California Wind Atlas*** (California Energy Commission and California Department of Water Resources) 1985 (Cal Docs E 2015 W55) Available wind data is summarized using charts, maps, and graphs.
- ***California Average Annual Precipitation Zones, 1900-60*** (California Dept. of Forestry and Fire Protection, Fire and Resource Assessment Program) Isohyetal map of California at a scale of 1:1,000,000 showing mean annual precipitation during the period 1900-1960. Created from the map ***Mean Annual Precipitation in the California Region*** (Rantz) 1969/reprinted 1972 (Docs I 19.2 P92 1972).
- ***Patterns on the Land: Landscape*** (Golden State Museum) Series of four maps that show natural vegetation, summer climate, winter climate, and topography.
- ***USDA Plant Hardiness Zone Map: South-West US*** (USDA Agricultural Research Service) 1990 (print copy available in Docs A 1:38:1475) (USDA Miscellaneous Publication # 1475) Shows the lowest temperatures that can be expected each year in the United States, Canada, and Mexico. Each of the 11 zones represent 10 degree F (5.6 degree C) differences in average annual minimum temperature.
- ***Precipitation Frequency Atlas of the Western United States. Vol. 11. California*** (US National Weather Service) 1973 (Docs C 55.22 folio) Contains series of precipitation-frequency maps at a scale of 1:2 million for 6 and 24-hour durations for return periods from 2 to 100 years. Northern California and Southern California sectional maps are also available at ***Western U.S. Precipitation Frequency Maps*** (Western Regional Climate Center)
- ***Rainfall Data*** (U.S. National Weather Service. California-Nevada River Forecast Center) Real-time maps of precipitation during the most recent 1-hour, 6-hour, and 24-hour periods. A complementary ***Rainfall Maps*** site is maintained by the California Department of Water Resources.
- ***Thousand-Year Rainstorms in California 1850-1998*** (DuBay) Plots the location of 46 thousand-year California rainstorms based upon James Goodridge's *Historic Rainstorms in California*.

Send comments and suggestions about this page to: [Robert Sathrum](#)

Last Updated: November 10, 2004