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SOIL SURVEY

VENTURA AREA, CALIFORNIA



UNITED STATES DEPARTMENT OF AGRIC
Soil Conservation Service
in cooperation with
UNIVERSITY OF CALIFORNIA
Agricultural Experiment Station
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Major fieldwork for this soil survey was done in the period 1961-68. Soil names and descriptions were approved in 1968. Unless otherwise indicated, statements in the publication refer to conditions in the county in 1969. This survey was made cooperatively by the Soil Conservation Service, the Calleguas, Simi Valley, and Ojai Soil Conservation Districts, Ventura County, and the University of California Agricultural Experiment Station. It is part of the technical assistance furnished to the Calleguas, Simi Valley, and Ojai Soil Conservation Districts.

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Either enlarged or reduced copies of the soil map in this publication can be made by commercial photographers, or they can be purchased, on individual order, from the Cartographic Division, Soil Conservation Service, U.S. Department of Agriculture, Washington, D.C. 20250.

HOW TO USE THIS SOIL SURVEY

THIS SOIL SURVEY contains information that can be applied in managing farms and ranches; in selecting sites for roads, ponds, buildings, or other structures; and in determining the suitability of tracts of land for farming, industry, or recreation.

Locating Soils

All of the soils of the Ventura Area are shown on the detailed map at the back of this survey. This map consists of many sheets that are made from aerial photographs. Each sheet is numbered to correspond with a number shown on the Index to Map Sheets.

On each sheet of the detailed map, soil areas are outlined and are identified by symbol. All areas marked with the same symbol are the same kind of soil. The soil symbol is inside the area if there is enough room; otherwise, it is outside and a pointer shows where the symbol belongs.

Finding and Using Information

The "Guide to Mapping Units" can be used to find information in this publication. This guide lists all of the soils of the Area in alphabetic order by map symbol. It shows the page where each kind of soil is described, the capability classification and the page where the capability unit is described, and the designation for the hydrologic group in which the soil has been placed.

Many kinds of interpretative maps can be made by using information in the text and coloring the detailed soil map to show different degrees of suitability or limitation. Five sample maps of this kind have been included in this survey, following

page 104. All of these maps were prepared on sheet 27 of the detailed soil map. They show shrink-swell potential, hydrologic soil groups, avocado root rot, suitability for farming, and soil erosion hazard.

Assistance in interpreting the maps or text of this soil survey can be obtained at the nearest office of the Soil Conservation Service, the office of the Soil Conservation District, or the Public Works Department of Ventura County.

Farmers and ranchers and those who work with them can learn about use and management of the soils from the soil descriptions and from the discussions of the capability groups. The capability grouping is in the section "Farm and Nonfarm Interpretations."

Community planners and others concerned with non-farm development can read about the soil properties that affect the choice of homesites, industrial sites, schools, and parks in the section "Farm and Nonfarm Interpretations."

Engineers and builders can find under "Use of the Soils in Engineering" tables that describe soil properties that affect engineering and show the relative suitability of the soils for specified engineering purposes.

Scientists and others can read about how the soils formed and how they are classified in the section "Formation and Classification of the Soils."

Newcomers in the Ventura Area may be especially interested in the section "General Soil Map," where broad patterns of soils are described. They may also be interested in the section "Additional Facts About the Area."

Cover picture: City of Camarillo in 1967. Urban and industrial development is encroaching on farmland. Camarillo Hills, Las Posas Valley, and South Mountain are in the background. Anacapa, Pico, and Sorrento soils are dominant in the valleys. Rincon and Huerhuero soils are on terraces and old alluvial fans. San Benito and Nacimiento are major soils of the upland.

Photograph by Mark Hurd Aerial Surveys, Goleta, California

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