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BASELINE SOCIOECONOMIC PROFILES OF COASTAL COUNTIES IN THE SOUTHERN CALIFORNIA PLANNING AREA

U.S. Department of the Interior
Minerals Management Service
Pacific OCS Region

BASELINE SOCIOECONOMIC PROFILES OF COASTAL COUNTIES IN THE SOUTHERN CALIFORNIA PLANNING AREA

FINAL

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DISCLAIMER

This report has been reviewed by the Pacific Outer Continental Shelf Region, Minerals Management Service, U.S. Department of the Interior and approved for publication. The opinions, findings, conclusions, or recommendations expressed in the report are those of the authors, and do not necessarily reflect the views of the Minerals Management Service. Mention of trade names or commercial products does not constitute endorsement or recommendation for use. This report has not been edited for conformity with Minerals Management Service editorial standards.

PREFACE

This report presents baseline socioeconomic profiles of Los Angeles, Orange, and San Diego counties in southern California. It is one of six reports prepared by Kearney/Centaur Division, A.T. Kearney, Inc. for the Pacific Outer Continental Shelf (OCS) Region of the Minerals Management Service (MMS), U.S. Department of the Interior under Contract No. 14-12-0001-30315. These reports present baseline socioeconomic profiles of coastal counties in California, Oregon, and Washington. This report covers the counties in the Southern California Planning Area. San Luis Obispo, Santa Barbara, and Ventura counties are also part of the Southern California Planning Area. Profiles of these counties, however, were prepared previously under separate contracts. The profiles of Santa Barbara and Ventura counties are presented in the study, "Cumulative Socioeconomic Impacts of Oil and Gas Development in the Santa Barbara Channel Region: A Case Study" (prepared by Centaur Associates, Inc. in 1984 under MMS Contract No. 14-12-0001-30026). The profile of San Luis Obispo County is presented in the report, "Economic and Demographic Profile of San Luis Obispo County, California" (prepared by ECOS Management Criteria, Inc. in 1985 under MMS Contract No. 14-12-0001-30164). The profiles of Del Norte, Humboldt, and Mendocino counties are presented in the report "Baseline Socioeconomic Profiles of Coastal Counties in the Northern California Planning Area." Profiles of six counties -- Sonoma, Marin, San Francisco, San Mateo, Santa Cruz and Monterey -- are presented in the report, "Baseline Socioeconomic Profiles of Coastal Counties in the Central California Planning Area."

Socioeconomic profiles of 15 Washington counties will be included in two reports. The profiles of Whatcom, Skagit, Snohomish, King, Pierce, Thurston, Mason, and Kitsap counties will be presented in the report "Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Puget Sound Area, Washington)." Profiles of Jefferson, Clallam, Island, San Juan, Grays Harbor, Pacific, and Wahkiakum counties will be in the report "Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Coastal Washington)." Seven Oregon counties will be profiled in the report, "Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Coastal Oregon)" -- Clatsop, Tillamook, Lincoln, Lane, Douglas, Coos, and Curry counties.

Kearney/Centaur project staff included Garry Brown, Kathleen Drazek, Laurie Kerns, Paul Kolp, and Barbara Wallace. The project was carried out under the direction of Neville Chow of the Pacific Outer Continental Shelf Region of the Minerals Management Service. Further guidance was provided by Jose Fernandez and Steve Rynas, also of the Pacific Outer Continental Shelf Region of the Minerals Management Service.

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ABSTRACT

This report presents baseline socioeconomic profiles of Los Angeles, Orange, and San Diego counties in southern California. It is one of six reports prepared under this contract to develop baseline socioeconomic profiles of coastal counties in California, Oregon, and Washington. The profiles cover socioeconomic characteristics in the following eight areas: demographics, economics, housing, public services and facilities, public finance, energy consumption, land use, and other characteristics including port capacity, marine traffic, and fishing. The profiles were developed using secondary data sources from federal, state, and local government agencies, associations, and private organizations. The focus of the profiles is 1980, but the time period 1970 to 2020 is covered, to the extent possible with existing data, to provide a historical context and an understanding of expected trends.

EXECUTIVE SUMMARY

This report presents socioeconomic profiles of three counties in the Southern California Planning Area of the Minerals Management Service (MMS) which extends from the Monterey County/San Luis Obispo County boundary to the California/Mexico boundary. While the Southern California Planning Area includes six counties, this report includes only three counties -- Los Angeles, Orange, and San Diego counties in California. Socioeconomic profiles of the three other counties in the Southern California Planning Area (San Luis Obispo, Santa Barbara, and Ventura) were prepared previously. This is one of six reports which presents baseline socioeconomic profiles of coastal counties in California, Oregon, and Washington which potentially may be affected by offshore oil and gas development.

Each profile includes socioeconomic characteristics organized under the following eight headings: demographics, economics, housing, public services and facilities, public finance, energy consumption, land use, and other characteristics. The focus of the socioeconomic profile is 1980, but the time period 1970 to 2020 is covered, to the extent possible with existing data, to provide a historical context and an understanding of expected trends. Each county's socioeconomic profile was prepared using time series data from secondary sources obtained primarily from federal, state, and local government agencies. For the most part, a single source was used for the same characteristic for each county profiled.

LOS ANGELES COUNTY

Los Angeles County is the 3rd most southern county in the planning area. In terms of area, it is the 2nd largest county in the planning area and the 2nd largest among the 15 California coastal counties. The following points highlight and summarize the socioeconomic characteristics of Los Angeles County from 1970 to 2020.

- Demographics

  Los Angeles County population in July 1980 was 7,493,900, an increase of 6.2 percent from 1970. The compound annual growth rate between 1970 and 1980 in the nation was 1.1 percent compared to 1.7 percent in California and 0.6 percent in the county. The estimated 1986 population of the county was 8,292,800. Between 1970 and 1980, a net out-migration occurred since natural increase was larger than net migration. Between 1980 and 1986, however, 36.8 percent of the population growth was a result of net migration. In 1980 the population density was 709.3 persons per square kilometer (1,837.1 persons per square mile).

  Los Angeles, the county seat and the county's oldest city, is the largest city. In January 1980, the city's population was 2,954,100, an increase of 5.1 percent from 1970. The city's residents accounted for about 39.7 percent of the county's population. The estimated January 1986 population was 3,215,500.

The county's population is projected to be 10,119,300 in 2020, an increase of 35.0 percent from 1980. The compound annual rate of growth over the 40-year period is projected to be 0.8 percent, compared to the projected 1.3 percent per year growth for California.

- Economics

In 1980, the labor force was 3,545,000 with an unemployment rate of 6.6 percent. Unemployment in 1975 and 1983 reached 9.7 percent. The decline in the unemployment rate in the county from 1983 (9.7 percent) through 1985 (7.0 percent) followed the trend in the state and the nation, although the county unemployment rate remained slightly lower than that of the state and the nation during this time.

Personal income (in 1986 dollars) by place of residence was $110,664.4 million for the county in 1980. This amounted to $14,767 per person living in the county, or 95.8 percent of the per capita income for California and 112.0 percent of that of the U.S. in 1980.

Earnings (in 1986 dollars) by place of employment was $93,704.0 million in 1980. In 1980, the predominant contributors to earnings were manufacturing with 27.2 percent of the county total, service industries with 23.0 percent, government with 12.1 percent, and retail trade with 9.4 percent. By 1984, the primary contributors to earnings were again manufacturing (26.0 percent), service industries (25.6 percent), and government (11.8 percent).

In 1980, employment (excluding farms and timber harvesting) in the county was 3,667,478, including 26.3 percent in manufacturing, 22.2 percent in service industries, 14.5 percent in retail trade, and 13.2 percent in government. In 1984, service industries was the predominant sector providing employment (24.8 percent), followed by manufacturing (23.7 percent) and retail trade (14.9 percent).

In 1980, there were an estimated 2,142 farms with 9,308 part-time, seasonal, and full-time employees. Primary agricultural commodities in terms of 1984 sales were, in rank order, ornamental trees and shrubs, bedding plants, indoor foliage plants, and horses.

- Housing

The housing stock in Los Angeles County grew 12.5 percent between 1970 and 1980, from 2,537,578 units to 2,855,555. Single family units accounted for 56.2 percent of the units in 1980, and owner occupied units accounted for 48.5 percent of the units.

In 1986, there were over 2,200 campsites in 69 campgrounds in the county. The number of hotel/motel rooms in the county in 1985 was estimated at about 48,925.

- Public Services and Facilities

Police protection (2.30 sworn officers per 1,000 residents in 1985) in the county is provided by the Sheriff's Department in 36 cities and the unincorporated areas, and 47 city police departments. Fire protection (1.06 fire fighters per 1,000 residents in 1986) is provided by 56 fire departments and/or districts and community service districts.

There are 118 water systems in Los Angeles County each with more than 200 connections. In 1986, over 94 percent of the population was served by these water systems. The remainder of the population is served by water systems each having fewer than 200 connections. Imported, ground, and surface water are the sources of water in the county.

Three of the 27 existing sewage treatment facilities in the county in 1986 were operating at 100 percent or more of capacity. Expansion of six sewage treatment facilities and the opening of a new facility are planned by 2000.

There are 16 municipal landfills in the county. Current landfill capacity is projected to be exceeded by 1994 unless expansion of facilities occurs or new landfills are built.

There are 84 school districts in the county. Enrollment in the 1980-81 school year was 1,189,729. Public school enrollment is projected to be 1,581,573 in the 1995-96 school year, or 32.9 percent more than in 1980-81.

- Public Finance

Total city (81 cities in 1980) and county revenue was approximately $7,104.9 million in 1980, while total city and county expenditures were approximately $7,060.6 million (both in 1986 dollars). The county and the cities of Avalon, Bell Gardens, Compton, Hawaiian Gardens, Hidden Hills, Inglewood, La Verne, Los Angeles, Lynwood, Pico Rivera, Rosemead, and San Dimas experienced a negative fiscal balance in 1980.

- Energy Consumption

Electricity in Los Angeles County is provided by the cities of Azusa, Burbank, Glendale, Pasadena, and Vernon, the Los Angeles Department of Water and Power, Southern California Edison, and the Metropolitan Water District (for the agriculture sector only). Natural gas is provided by the city of Long Beach and Southern California Gas.

- Land Use

  About 46 percent of the coastal portion of Los Angeles County is classified as native (native vegetation, water surface, barren and wasteland, and unsegregated). The federal government owns or leases 26.5 percent of the county's land area.

- Other Characteristics

  Port facilities for deep-draft, ocean going vessels are found at Long Beach Harbor and Los Angeles Harbor. In 1980, commodities passing through Long Beach Harbor totaled almost 38.8 million short tons, while commodities passing through Los Angeles Harbor were approximately 30.2 million short tons. Commercial fish landings by weight, in 1980, for Terminal Island, San Pedro, Wilmington, and all other ports were about 330.1 million pounds, 36.0 million pounds, 15.8 million pounds, and 1.6 million pounds, respectively. Total value of landings, (in 1986 dollars) in 1980, for Terminal Island, San Pedro, and Wilmington were $152.7 million, $10.9 million, and $2.1 million. Value of landings for all other ports is not available.

ORANGE COUNTY

Orange County is the 2nd most southern county in the Southern California Planning Area. It is the smallest county in this planning area and the 5th smallest of the 15 coastal counties in terms of area. The following points highlight and summarize the socioeconomic characteristics of Orange County from 1970 to 2020.

- Demographics

  Orange County population in July 1980 was 1,942,200, an increase of 35.6 percent from 1970. The compound annual growth rate between 1970 and 1980 in the nation was 1.1 percent compared to 1.7 percent in California and 3.1 percent in the county. The estimated 1986 population of the county was 2,171,200. A net in-migration accounted for 69.6 percent of population growth between 1970 and 1980 and 43.3 percent of population growth between 1980 and 1986. In 1980 the population density was 955.1 persons per square kilometer (2,473.8 persons per square mile).

  Santa Ana is the county seat. In January 1980, Santa Ana's population was estimated at 201,700, an increase of 29.5 percent from 1970. The city's residents accounted for about 10.5 percent of the county's population in 1980. The estimated 1986 population of Santa Ana was 225,800. Anaheim is the county's largest city, with an estimated 1980 population of 217,400 (11.3 percent of the county's population).

  The county's population is projected to be 3,044,000 in 2020, an increase of 56.7 percent from 1980. The compound annual

rate of growth over this 40-year period is projected to be 1.1 percent, compared to a projected 1.3 percent for California.

- Economics

In 1980, the labor force was 1,115,100 with an unemployment rate of 4.3 percent. Unemployment in 1975 reached 9.3 percent. The decline in the unemployment rate in the county from 1983 (7.1 percent) through 1985 (4.4 percent) followed the trend in the state and the nation, although the county unemployment rate remained lower than that of the state and the nation during this time.

Personal income (in 1986 dollars) by place of residence was $32,367.1 million for the county in 1980. This amounted to $16,665 per person living in the county, or 108.1 percent of the per capita income for California and 126.4 percent of that of the U.S. in 1980.

Earnings (in 1986 dollars) by place of employment was $20,413.9 million in 1980. In 1980, the predominant contributors to earnings were manufacturing with 29.2 percent of the county total, service industries with 20.5 percent, retail trade with 11.7 percent, and government with 11.6 percent. By 1984, the primary contributors to earnings were again manufacturing (28.3 percent), service industries (23.7 percent), and retail trade (11.3 percent).

In 1980, employment (excluding farms and timber harvesting) in the county was 892,414, including 25.6 percent in manufacturing, 19.3 percent in service industries, 18.6 percent in retail trade, and 11.8 percent in government. In 1984, manufacturing was again the predominant sector providing employment (24.4 percent), followed by service industries (22.1 percent) and retail trade (17.8 percent).

In 1980, there were an estimated 579 farms with 12,079 part-time, seasonal, and full-time employees. Primary agricultural commodities in terms of 1985 sales were, in rank order, nursery stock and cut flowers, strawberries, and Valencia oranges.

- Housing

The housing stock in Orange County grew 55.9 percent between 1970 and 1980, from 462,777 units to 721,570. Single family units accounted for 61.7 percent of the units in 1980, and owner occupied units accounted for 60.5 percent of the units.

In 1986, there were about 2,740 campsites in 19 campgrounds in the county. The number of hotel/motel rooms in the county in 1985 was estimated at about 21,845.

- Public Services and Facilities

  Police protection (1.60 sworn officers per 1,000 residents in 1985) in the county is provided by the Sheriff's Department and the city Police Departments. Fire protection (1.21 fire fighters per 1,000 residents in 1986) is provided by 25 fire departments and/or districts and community service districts.

  There are 41 water systems in the county each with 200 or more connections. In 1986, over 96 percent of the population was served by these water systems. The remainder of the population is served by water systems each having fewer than 200 connections. Imported and ground water are the sources of water used.

  Four of the 12 existing sewage treatment facilities were operating in 1986 at 100 percent or more of capacity. Expansion of three of these four facilities as well as three others is planned by 2000. One additional facility is also planned to be operational by 2000.

  There are five municipal landfills in the county. Current landfill capacity is projected to be exceeded in 1996 unless expansion of the existing facilities occurs or a new landfill is built.

  There are 30 school districts in the county. Enrollment in the 1980-81 school year was 344,371. Public school enrollment is projected to be 387,241 in the 1995-96 school year, or 12.4 percent more than in 1980-81.

- Public Finance

  Total city and county revenue totaled $1,205.9 million (in 1986 dollars) in fiscal year 1980, while total city and county expenditures were $1,178.3 million. The cities of Anaheim, Fountain Valley, Fullerton, Garden Grove, Huntington Beach, Placentia, San Clemente, Seal Beach, and Stanton experienced fiscal shortfalls during fiscal year 1980.

- Energy Consumption

  Electricity in Orange County is provided by the city of Anaheim, Southern California Edison, and San Diego Gas and Electric. Southern California Gas provides natural gas in Orange County.

- Land Use

  About 47.5 percent of the county's area is in the incorporated area and 52.5 percent is in the unincorporated area. Within the unincorporated area, 34.1 percent of the total area of the county is open space. The federal government owns or leases about 15.9 percent of the county's land area.

- Other Characteristics

  There are several small harbors along the coastline of Orange County which provide port facilities for commercial fishing vessels and recreational boat owners. In 1980 commercial fish landings for all ports totaled approximately 0.5 million pounds. The value of landings for all ports in Orange County in 1980 is not available.

SAN DIEGO COUNTY

San Diego County is the southern most county in the Southern California Planning Area. It is the largest county in this planning area and the largest among the 15 California coastal counties in terms of area. The following points highlight and summarize the socioeconomic characteristics of San Diego County from 1970 to 2020.

- Demographics

  San Diego County population in 1980 was 1,873,800, an increase of 37.1 percent from 1970. The compound annual growth rate between 1970 and 1980 in the nation was 1.1 percent compared to 1.7 percent in California and 3.2 percent in the county. The estimated 1986 population of the county was 2,205,900. A net in-migration accounted for about 66.5 percent of the county's population growth between 1970 and 1980 and 63.5 percent of the population growth between 1980 and 1986. In 1980 the population density was 169.0 persons per square kilometer (453.7 persons per square mile).

  San Diego, the county seat and the county's oldest city, is the largest city. In January 1980, the city's population was 865,000, an increase of 24.0 percent from 1970. The city's residents accounted for about 46.7 percent of the county's population in 1980. The estimated 1986 population was 1,002,900.

  The county's population is projected to be 3,644,700 in 2020, an increase of 94.5 percent from 1980. The compound annual rate of growth over the 40-year period is projected to be 1.6 percent, compared to a projected 1.3 percent for California.

- Economics

  In 1980, the labor force was 775,300 with an unemployment rate of 6.8 percent. Unemployment in 1975 reached 10.4 percent. The decline in the unemployment rate in the county from 1983 (8.2 percent) through 1985 (5.3 percent) followed the trend in the state and the nation, although the county unemployment rate remained lower than that of the state and the nation during this time.

  Personal income (in 1986 dollars) by place of residence was $25,139.1 million for the county in 1980. This amounted to $13,416 per person living in the county, or 87.0 percent of the

per capita income for California and 101.7 percent of that of the U.S. in 1980.

Earnings (in 1986 dollars) by place of employment was $17,330.6 million in 1980. In 1980, the predominant contributors to earnings were government with 30.5 percent of the county total, service industries with 18.6 percent, manufacturing with 16.9 percent, and retail trade with 10.2 percent. By 1984, the primary contributors to earnings were government (28.7 percent), service industries (20.8 percent), and manufacturing (17.0 percent).

In 1980, employment (excluding farms and timber harvesting) in the county was 674,227, including 22.2 percent in service industries, 20.9 percent in government, 18.9 percent in retail trade, and 15.9 percent in manufacturing. In 1984, service industries was the predominant sector providing employment (24.1 percent), followed by retail trade (19.1 percent), government (19.0 percent), and manufacturing (15.5 percent).

In 1980, there were an estimated 5,633 farms with 26,297 part-time, seasonal, and full-time employees. Primary agricultural commodities in terms of 1984 sales were, in rank order, indoor decoratives, eggs, avocados, and tomatoes.

- Housing

The housing stock in San Diego County grew 60.1 percent between 1970 and 1980, from 449,989 units to 720,346. Single family units accounted for 60.9 percent of the units in 1980, and owner occupied units accounted for 55.1 percent of the units.

In 1986, there were about 5,175 campsites in 59 campgrounds in the county. The number of hotel/motel rooms in the county in 1985 was estimated at about 23,120.

- Public Services and Facilities

Police protection (1.54 sworn officers per 1,000 residents in 1985) in the county is provided by the Sheriff's Department and nine city police departments. Fire protection (1.01 fire fighters per 1,000 residents in 1984) is provided by 62 fire departments and/or districts and community service districts.

There are 29 water systems in San Diego County, each with 200 or more connections. In 1986, almost all of the population was served by these water systems. The remainder of the population is served by water systems each having fewer than 200 connections. Imported and local groundwater are the sources of water used in the county.

There were 25 sewage treatment facilities operating in 1986. Seven of these were operating at 99.0 percent or more of capacity. By 2000, five sewage treatment facilities are projected to have increased capacity from their 1986 level and

four are projected to have decreased their capacity. One additional facility is also planned by 2000.

The county has seven municipal landfills. Current landfill capacity is projected to be sufficient to handle the increase in solid waste disposal requirements in the county only up to 1996.

There are 44 school districts in the county. Enrollment in the 1980-81 school year was 299,324. Public school enrollment is projected to be 434,683 in the 1995-96 school year, or 45.2 percent more than in 1980-81.

- Public Finance

Total city (14 cities in 1980) and county revenue were slightly less than $1,189.2 million (in 1986 dollars) in fiscal year 1980, compared to expenditures of $1,214.1 million. Local government entities showing a negative fiscal balance in fiscal year 1980 were the county and the cities of Coronado, Del Mar, La Mesa, National City, Oceanside, San Marcos, and Vista.

- Energy Consumption

Electricity in San Diego County is provided by the city of Escondido, and San Diego Gas and Electric which also provides natural gas in the county.

- Land Use

The federal government owns or leases 26.8 percent of the county's land area and 86.2 percent of the county's area is classified as native (native vegetation, water area, barren wasteland, and unsegregated native classes).

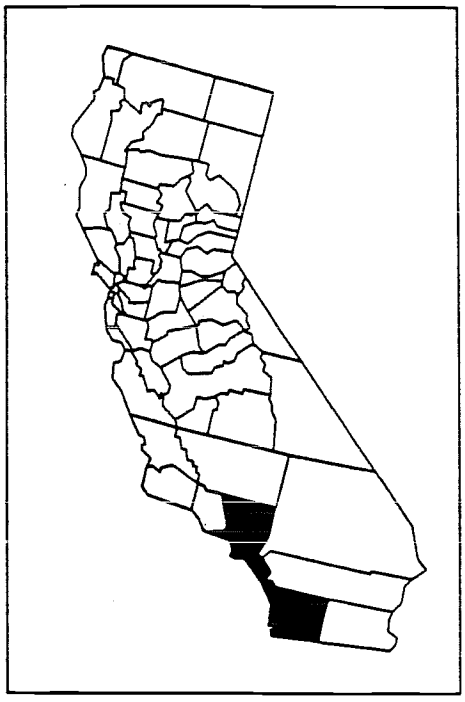
- Other Characteristics

The major port facilities in San Diego County are located in San Diego Harbor. In 1980, the total amount of international and intracontinental freight shipped through San Diego Harbor was 2.2 million tons. The major commodity shipped was residual fuel oil. The harbor is also the major port for commercial fishing in the county. In 1980, landings by weight for the county totaled 201.8 million pounds. Total value of landings, available only for the port of San Diego, were $146.9 million (in 1986 dollars) in 1980.

INTRODUCTION

1.0 INTRODUCTION

This is one of six reports which presents socioeconomic profiles of California, Washington, and Oregon coastal counties. It contains the profiles of three counties in the Southern California Planning Area of the Minerals Management Service (MMS) -- Los Angeles, Orange, and San Diego counties in California.



1.1 Purpose and Organization of the Study

Federal government control over sub-sea oil and gas resources seaward of the 4.8 kilometer (3 mile) state jurisdiction was formally established by the Outer Continental Shelf (OCS) Lands Act and subsequent amendments. MMS is the agency with direct OCS regulatory and enforcement authority. This includes the responsibility to offer OCS areas for leasing, conduct lease sales, execute leases, and monitor lease operations. Potential expansion of leasing activities to new areas has created a need for baseline socioeconomic data for California, Oregon, and Washington coastal counties. These profiles are to be used by MMS in managing the OCS leasing and development process, including the preparation of environmental impact statements and environmental assessments. The purpose of this study, therefore, is to provide MMS with baseline socioeconomic profiles of coastal counties in California, Oregon, and Washington which potentially may be affected by offshore oil and gas development.

The study is presented in six reports. Socioeconomic profiles of 12 California coastal counties are included in three reports which correspond to the MMS planning areas -- Del Norte, Humboldt, and Mendocino counties in the Northern California Planning Area; Sonoma, Marin, San Francisco, San Mateo, Santa Cruz, and Monterey in the Central California Planning Area; and Los Angeles, Orange, and San Diego counties in the Southern California Planning Area. Socioeconomic profiles of San Luis Obispo, Santa Barbara, and Ventura counties were completed under previous contracts. Although these counties are part of the Southern California Planning Area, they are not included in this study. The names of the studies which contain the socioeconomic profiles of these three counties are included in the Preface. Socioeconomic profiles of 15 Washington counties will be included in two reports -- Whatcom, Skagit, Snohomish, King, Pierce, Thurston, Mason, and Kitsap in one report; and Jefferson, Clallan, Island, San Juan, Grays Harbor, Pacific, and Wahkiakum in the second. Seven Oregon counties will be profiled in one report -- Clatsop, Tillamook, Lincoln, Lane, Douglas, Coos, and Curry.

A separate socioeconomic profile was prepared for each county. Each profile appears as a section in the report and is organized and presented in the same format for all counties. Each profile includes socioeconomic

characteristics organized under the following eight headings: demographics, economics, housing, public services and facilities, public finance, energy consumption, land use, and other characteristics. The focus of the socioeconomic profile is 1980, but the time period 1970 to 2020 is covered, to the extent possible with existing data, to provide a historical context and an understanding of expected trends.

Over half of the characteristics are summarized in a single table called the county socioeconomic profile. This table is presented as the first table in each of the profile sections. In this report, the socioeconomic profile tables are Table 2-1 for Los Angeles County, Table 3-1 for Orange County, and Table 4-1 for San Diego County. In each of the socioeconomic profile tables, the characteristics are presented, when data are available, by 5-year intervals from 1970 to 1980 and 1990 to 2020 and annually from 1981 to 1986. The percentage change in each characteristic, when available, is presented by 5-year interval from 1970 to 2020. Data on characteristics measured in dollars were collected in current dollar terms and then converted to mid-1986 (July) dollars using the Gross National Product (GNP) Implicit Price Deflator. They are published monthly in the Survey of Current Business, Revised Estimates of the National Income and Product Accounts. These indices are presented in line 1 of Table 7.1, GNP Implicit Price Deflators and Price I for Gross national Product. (The GNP Implicit Price Deflators used in this document are included in the last table of the data supplement for each profile.)

The implicit price deflator for GNP is a weighted average of the detailed price indexes used in the deflation of each of the GNP accounts. In each period, the weights are based on the composition of constant-dollar output in the period. The index is the most comprehensive index for adjusting current dollar values to account for the general changes in relative prices and reflect the relative prices of all goods and services contributing to GNP.

The socioeconomic characteristics not included in the profile table are presented in other parts of the profile section. They are presented for the years 1970 to 2020 to the extent the data are available from secondary sources. A data supplement for each county containing time series data and other information not presented in the body of each profile is included at the end of each profile section. Table 1-1 is a list of the characteristics presented in each profile and the table number or section where each characteristic is presented.

Each county's socioeconomic profile table was prepared using time series data from secondary sources. For some characteristics, data for only selected years are available. For the historical years, estimates for the missing years were made using straight line projections when comparable data for other years were available. Otherwise, no attempt was made to estimate the characteristic for the missing years. Projections are provided in the profile table for those characteristics for which this information is available and for the time period covered by those projections. No attempt was made to make independent projections for those characteristics for which projections did not already exist from a secondary source or for those characteristics for

Table 1-1

Data Locator for Socioeconomic Characteristics in the Profiles

Profile Characteristic	Los Angeles County	Orange County	San Diego County
Demographics			
Population			
Total County	Tables 2-1, 2-2, and DS 2-2	Tables 3-1, 3-2, and DS 3-2	Tables 4-1, 4-2, and DS 4-2
Cities	Tables 2-1, 2-2, and DS 2-2	Tables 3-1, 3-2, and DS 3-2	Tables 4-1, 4-2, and DS 4-2
Unincorporated Area	Tables 2-1 and DS 2-2	Tables 3-1 and DS 3-2	Tables 4-1 and DS 4-2
Urban	Table 2-1	Table 3-1	Table 4-1
Rural	Table 2-1	Table 3-1	Table 4-1
Civilian	Table 2-1	Table 3-1	Table 4-1
Density	Table 2-1	Table 3-1	Table 4-1
Ethnic Composition	Table 2-3	Table 3-3	Table 4-3
Age			
Under 18	Tables 2-1, 2-2, and DS 2-3	Tables 3-1, 3-2, and DS 3-3	Tables 4-1, 4-2, and DS 4-3
65 and Over	Tables 2-1, 2-2, and DS 2-3	Tables 3-1, 3-2, and DS 3-3	Tables 4-1, 4-2, and DS 4-3
Median	Tables 2-1, 2-2, and DS 2-3	Tables 3-1, 3-2, and DS 3-3	Tables 4-1, 4-2, and DS 4-3
Median Head of Household	Table 2-1	Table 3-1	Table 4-1
Household			
Number	Table 2-1	Table 3-1	Table 4-1
Median Size	Table 2-1	Table 3-1	Table 4-1
Migration			
Components of Change	Table 2-4	Table 3-4	Table 4-4
Education			
Median School Years Completed	Table 2-1	Table 3-1	Table 4-1

Table 1-1 (Cont.)

Data Locator for Socioeconomic Characteristics in the Profiles

Profile Characteristic	Los Angeles County	Orange County	San Diego County
Economics			
Labor Force			
Total Employment	Table 2-1	Table 3-1	Table 4-1
Employment Rate	Table 2-1	Table 3-1	Table 4-1
Unemployment Rate	Table 2-1	Table 3-1	Table 4-1
Actual Labor Force	Table 2-1	Table 3-1	Table 4-1
Place of Employment			
Inside County	Table 2-1	Table 3-1	Table 4-1
Outside County	Table 2-1	Table 3-1	Table 4-1
Employment Participation	Table 2-1	Table 3-1	Table 4-1
Composition of Employment by Occupation	Tables 2-5 and DS 2-4	Table 3-5	Tables 4-5 and DS 4-4
Income			
Total Personal	Table 2-1	Table 3-1	Table 4-1
Per Capita	Table 2-1	Table 3-1	Table 4-1
Median Household	Table 2-1	Table 3-1	Table 4-1
Business Economics			
Value of Product by Industry	Table DS 2-7	Table DS 3-6	Table DS 4-7
Capital Expenditures by Industry	Table DS 2-7	Table DS 3-6	Table DS 4-7
Value Added by Manufacturers	Table DS 2-7	Table DS 3-6	Table DS 4-7
Total Income by Industry	Table DS 2-5	Table DS 3-4	Table DS 4-5
Total Employment by Industry	Table DS 2-8	Table DS 3-7	Table DS 4-8
Number of Establishments by Industry	Table DS 2-9	Table DS 3-8	Table DS 4-9
Payroll by Industry	Table DS 2-6	Table DS 3-5	Table DS 4-6
Farming Activity	Table DS 2-10	Table DS 3-9	Table DS 4-10

Table 1-1 (Cont.)

Data Locator for Socioeconomic Characteristics in the Profiles

Profile Characteristic	Los Angeles County	Orange County	San Diego County
Housing			
Total Units	Tables 2-1 and DS 2-11	Tables 3-1 and DS 3-10	Tables 4-1 and DS 4-11
Year Round Units	Table 2-1	Table 3-1	Table 4-1
Owner Occupied	Table 2-1	Table 3-1	Table 4-1
Renter Occupied	Table 2-1	Table 3-1	Table 4-1
Vacancy Rate	Table DS 2-11	Table DS 3-10	Table DS 4-10
Seasonal Units	Table 2-1	Table 3-1	Table 4-1
Temporary Accommodations	Section 2.5 and for campgrounds only, Table DS 2-12	Section 3.5 and for campgrounds only, Table DS 3-11	Section 4.5 and for campgrounds only, Table DS 4-12
Public Service and Facilities			
Police Protection	Tables 2-6 and DS 2-13	Tables 3-6 and DS 3-12	Tables 4-6 and DS 4-13
Fire Protection	Tables 2-7 and DS 2-13	Tables 3-7 and DS 3-12	Tables 4-7, 4-8, and DS 4-13
Water	Tables 2-8 and DS 2-14	Tables 3-8 and DS 3-13	Tables 4-9, DS 4-14, and DS 4-15
Sewage Treatment	Table 2-9	Table 3-9	Table 4-10
Solid Waste Disposal	Table 2-10	Table 3-10	Table 4-11
Schools	Tables 2-11, 2-12, and DS 2-15	Tables 3-11, 3-12, and DS 3-14	Tables 4-12, 4-13, and DS 4-16
Transportation			
Land	Table 2-13	Table 3-13	Table 4-14
Marine	Section 2.6.7	Section 3.6.7	Section 4.6.7
Air	Tables 2-14, 2-15, and DS 2-16	Tables 3-14 and DS 3-15	Tables 4-15, 4-16, and DS 4-17
Public Finance			
General Revenues	Tables 2-16 and DS 2-17	Tables 3-15 and DS 3-16	Tables 4-17 and DS 4-18
Intergovernmental Taxes	Table DS 2-17	Table DS 3-16	Table DS 4-18
General Expenditures	Tables 2-16, DS 2-17, and DS 2-18	Tables 3-15, DS 3-16, and DS 2-17	Tables 4-17, DS 4-18, and DS 4-19
Outstanding Debt	Table 2-16	Table 3-15	Table 4-17
Per Capita Tax Rate	Table 2-16	Table 3-15	Table 4-17
Energy Use By Industry	Tables 2-17 and 2-18	Tables 3-16 and 3-17	Tables 4-18 and 4-19

Table 1-1 (Cont.)

Data Locator for Socioeconomic Characteristics in the Profiles

Profile Characteristic	Los Angeles County	Orange County	San Diego County
Land Use			
Total Area	Section 2.1 and Table 2-19	Section 3.1 and Table 3-18	Section 4.1 and Table 4-20
Water Area	Section 2.1	Section 3.1	Section 4.1 and Table 4-23
Park/Recreation	Tables 2-19 and 2-21	Tables 3-18, 3-19, and 3-20	Table 4-20
Agriculture	Tables 2-19, 2-21, and 2-22	Tables 3-18 and 3-22	Tables 4-20 and 4-22
Commercial	Tables 2-19 and 2-21	Tables 3-18 and 3-19	Table 4-20
Residential	Tables 2-19 and 2-21	Tables 3-18 and 3-19	Table 4-20
Industrial	Tables 2-19 and 2-21	Table 3-18	Table 4-20
Military	Table 2-20	Table 3-21	Table 4-21
Vacant	Tables 2-19 and 2-21	Table 3-18	Table 4-20
Federal	Table 2-20	Table 3-21	Table 4-21
Miles of Public Roads	Table 2-1	Table 3-1	Table 4-1
Other Characteristics			
Port Capacity	Section 2.10	Section 3.10	Section 4.10
Marine Traffic	Tables 2-23 and 2-24	Section 3.10	Table 4-24
Fishing Activity			
Commercial	Tables 2-25, 2-26, 2-27, 2-28, 2-29, 2-30, 2-31, 2-32, and DS 2-19	Tables 3-23, 3-24, and DS 3-18	Tables 4-25, 4-26, 4-27, 4-28 and DS 4-20
Sport	Tables 2-33, 2-34, 2-35, 2-36, and 2-37	Tables 3-25, 3-26, 3-27, 3-28, 3-29 and 3-30	Tables 4-29, 4-30, 4-31, 4-32, 4-33, and 4-34

Source: Tables 2-1 through DS 4-20.

Note: Tables with the prefix DS are found in the data supplement at the end of each profile section.

which the available projections do not extend to 2020, the outer limit of this study's time period.

Each data element in the profile table is documented in a numbered list of references. A table which uses a similar format as the profile table is used as a key to the references. Each data cell in the profile table has a corresponding cell in the key to the references table which is used exclusively for indicating the number of the source for that data element. The numbered data sources appear in the list of references to the socioeconomic profile. The key to the references table precedes the list of references at the end of each socioeconomic profile section.

To the extent possible, the data included in the profile tables are from a consistent source and use comparable definitions over time. Explanatory notes about each data element are included, as necessary, with the list of references to the profile table at the end of each profile section. A bibliography covering the sources used in preparing the socioeconomic profiles of the counties covered in each report is included at the end of each report.

1.2 General Description of the Southern California Planning Area

The Southern California Planning Area extends from the Monterey County/San Luis Obispo County boundary to the California/Mexico boundary. It includes six counties -- San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego.. As mentioned previously, only three of the six counties, Los Angeles, Orange, and San Diego, are considered in this study. Profiles of the three other counties in the Southern California Planning Area were completed under separate contracts.

Los Angeles County is the 3rd most southern county in the planning area. It is the 2nd largest in terms of geographic area among the counties in the planning area. It is the largest county in the state in terms of population size. In 1980, the county had 81 cities. Three more cities were incorporated by 1984. (The date of incorporation of the cities is shown in Table DS 2-1 in the data supplement section at the end of the Los Angeles County profile.) Almost all of the county's population resides in the incorporated area. Los Angeles is the largest city in terms of population, and serves as the county seat. Eleven cities are part of the Local Coastal Program under the state's coastal zone management program: Avalon, El Segundo, Hermosa Beach, Long Beach, Los Angeles, Manhattan Beach, Palos Verdes Estates, Rancho Palos Verdes, Redondo Beach, Santa Monica, and Torrance. Under the Local Coastal Program, local governments prepare a land use plan, a zoning ordinance and related map, and other implementing tools applicable to the coastal zone.

Orange County is the 2nd southern most county in the planning area. It is the smallest of the counties in the planning area in terms of geographic area and population size. The county has 26 cities. (The date of incorporation of the cities is shown in Table DS 3-1 in the data supplement section at the end of the Orange County profile.) Most of the county's population lives in the incorporated area. Santa Ana is the county seat, while Anaheim is the most populous city. The cities of Costa Mesa, Huntington Beach, Irvine, Laguna Beach, Newport Beach, San

Clemente, and Seal Beach are part of the Local Coastal Program of the state's coastal zone management program.

San Diego County is the southern most county in the planning area. It is the largest of the counties in the planning area in terms of geographic area and the 2nd largest in the state in terms of population. The county had 14 cities in January 1980. Four more cities were incorporated from 1980 to 1986. (The date of incorporation of the cities is shown in Table DS 4-1 in the data supplement section at the end of the San Diego County profile.) Almost all of the county's population resides in the incorporated area of the county. San Diego is the largest city in terms of population and also serves as the county seat. The cities of Carlsbad, Chula Vista, Coronado, Del Mar, Imperial Beach, National City, Oceanside, and San Diego are part of the Local Coastal Program of the state's coastal zone management program.

1.3 Sources of Socioeconomic Data

The socioeconomic profiles of California coastal counties were prepared using secondary sources obtained primarily from federal, state, and local government agencies. For the most part, a single source was used for the same characteristic for each county profiled. Table 1-2 presents a summary of the socioeconomic characteristics included in the profile, the unit of measure used to define each characteristic, and the major source used for each characteristic. The major source cited refers to the organizational unit which prepared the data used in the profiles and not to the specific source by title of publication. The purpose of listing the major sources is to indicate the governmental agencies and private organizations which provided information used in preparing the profiles. A complete list of the sources used in preparing the profiles is included in the bibliography. In addition, each table and figure in the report is sourced. The following subsections highlight the governmental agencies and private organizations which provided information.

Federal Government Sources

Data from the federal government came primarily from the Bureau of the Census and the Bureau of Economic Analysis (BEA) in the Department of Commerce. Data series from the Bureau of the Census included: the Census of Population, Census of Housing, Census of Manufactures, Census of Construction, Census of Mineral Industries, Census of Wholesale Trade, Census of Retail Trade, Census of Service Industries, Census of Transportation, Census of Agriculture, and County Business Patterns. Data series from BEA included: Local Area Personal Income and OBERS Regional Projections.

Another federal source was the needs survey of wastewater treatment plants conducted by the U.S. Environmental Protection Agency, which was used as the inventory of sewage treatment facilities in each county.

State Government Sources

The following departments of the California state government provided time series data used in preparing the socioeconomic profiles: Controller's Office, Education, Employment Development, Energy, Finance

Table 1-2

Unit Of Measure and Major Sources for Characteristics in the Socioeconomic Profiles

Socioeconomic Characteristic	Unit of Measure	Major Data Source
Demographics		
Population		
Total County	Number of persons	California Department of Finance
Cities	Number of persons	California Department of Finance
Unincorporated Area	Number of persons	California Department of Finance
Urban	Number of persons	California Department of Finance
Rural	Number of persons	California Department of Finance
Civilian	Number of persons	California Department of Finance
Density	Persons per square kilometer	California Department of Finance
Ethnic Composition	Number of persons by ethnic group	U.S. Bureau of the Census
Age		
Under 18	Number of persons	California Department of Finance and U.S. Bureau of the Census
65 and Over	Number of persons	California Department of Finance and U.S. Bureau of the Census
Median	Midpoint in the range of ages	California Department of Finance and U.S. Bureau of the Census
Median Head of Household	Midpoint in the range of ages for head of household	U.S. Bureau of the Census
Household		
Number	Number of households or number of occupied housing units. A household includes all persons who occupy a housing unit as their usual place of residence.	California Department of Finance and U.S. Bureau of the Census
Median Size	Persons per household	California Department of Finance and U.S. Bureau of the Census
Migration	Net increase in population	California Department of Finance
Education		
Median School Years Completed	Midpoint in the range of years of school completed	U.S. Bureau of the Census
Economics		
Labor Force		
Employment	Number of employed residents	California Economic Development Department and U.S. Bureau of the Census
Employment Rate	Percent of labor force employed	California Economic Development Department and U.S. Bureau of the Census

Table 1-2 (Cont.)

Unit Of Measure and Major Sources for Characteristics in the Socioeconomic Profiles

Socioeconomic Characteristic	Unit of Measure	Major Data Source
Unemployment	Number of unemployed residents	California Economic Development Department and U.S. Bureau of the Census
Unemployment Rate	Percent of labor force unemployed	California Economic Development Department and U.S. Bureau of the Census
Labor Force	Number of civilian employed and unemployed persons	California Economic Development Department and U.S. Bureau of the Census
Place of Employment	Persons by location of job	U.S. Bureau of the Census
Employment Participation	Employed civilian labor force age 16 and over, as a percent of the civilian noninstitutional population, age 16 and over	U.S. Bureau of the Census
Composition of Employment by Occupation	Number of persons	U.S. Bureau of the Census
Income		
Total Personal	Dollars	California Department of Finance and U.S. Bureau of Economic Analysis
Per Capita	Dollars per person	California Department of Finance and U.S. Bureau of Economic Analysis
Total Payroll by Industry	Dollars; Payroll includes all forms of compensation which are subject to income tax withholding	U.S. Bureau of the Census
Median Household	Dollars	California Department of Finance
Business Economics		
Value of Product by Industry	Annual dollars of revenue	U.S. Bureau of the Census
Capital Expenditures by Industry	Annual expenditures in dollars	U.S. Bureau of the Census and Estimations
Value Added by Manufacturers	Annual value added in dollars. Value added is the difference between the value of the goods and the cost of materials or supplies used in producing them.	U.S. Bureau of the Census and Estimations
Total Income by Industry	Annual wages, salaries, and income	U.S. Bureau of Economic Analysis
Total Employment by Industry	Full time equivalent number of employees	U.S. Bureau of the Census, California Economic Development Department, and Railroad Retirement Board
Number of Establishments by Industry	Number of single physical locations where business is conducted, or where services or industrial operations are performed	U.S. Bureau of the Census
Payroll by Industry	Annual dollars	U.S. Bureau of the Census

Table 1-2 (Cont.)

Unit Of Measure and Major Sources for Characteristics in the Socioeconomic Profiles

Socioeconomic Characteristic	Unit of Measure	Major Data Source
Housing		
Total Units	Number of units	California Department of Finance and U.S. Bureau of the Census
Year Round Units	All occupied housing units plus vacant housing units which are intended for year-round use	California Department of Finance and U.S. Bureau of the Census
Owner Occupied	Number of units in which the householder owns the housing units, or has a mortgage for the housing unit which is his/her primary residence	U.S. Bureau of the Census
Renter Occupied	Number of units in which the householder pays cash rent, or equivalent, for the housing unit which is his/her primary residence	U.S. Bureau of the Census
Vacancy Rate	Percent of units in which no one is living at the time of enumeration, unless occupants are temporarily absent	California Department of Finance
Seasonal Units	Number of units intended for occupancy during certain seasons of the year	U.S. Bureau of the Census
Temporary Accommodations	Number of campsites and hotel/motel rooms	Automobile Club of Southern California, Parnell Forster Kerr, and various local guides
Public Finance		
General Revenues	Dollars	California Controller's Office
Intergovernmental Transfers	Dollars	California Controller's Office
General Expenditures	Dollars	California Controller's Office
Outstanding Debt	Dollars	California Controller's Office
Per Capita Tax Rate	Dollars per person	California Controller's Office
Energy Use By Industry	Kilowatt hours and therms	California Energy Commission
Land Use		
Total Area	Acres	California Department of Water Resources
Water Area	Acres	California Department of Water Resources
Park/Recreation	Acres	California Department of Water Resources and county General Plans
Agriculture	Acres	California Department of Water Resources and U.S. Bureau of the Census

Table 1-2 (Cont.)

Unit Of Measure and Major Sources for Characteristics in the Socioeconomic Profiles

Socioeconomic Characteristic	Unit of Measure	Major Data Source
Commercial	Acres	California Department of Water Resources and county General Plans
Residential	Acres	California Department of Water Resources and county General Plans
Industrial	Acres	California Department of Water Resources and county General Plans
Military	Acres	U.S. General Services Administration
Vacant	Acres	California Department of Water Resources and county General Plans
Miles of Public Roads	Miles	California Department of Finance and California Department of Transportation
Public Service and Facilities		
Police Protection	Number of sworn officers	California Department of Justice
Fire Protection	Number of fire fighters	California Office of Emergency Services and California Department of Forestry
Water	Acre-feet per year	California Department of Health Services
Sewage Treatment	Million of gallons per day	U.S. Environmental Protection Agency
Solid Waste Disposal	Tons per year	California Waste Management Board
Schools	Enrollment	California Department of Education
Transportation		
Land	Public roads and railroads	California Department of Transportation and county General Plans
Marine	Ports	California Department of Boating and Waterways, U.S. Army Corps of Engineers, county General Plans, and Pacific Boating Almanac
Air	Number of public usage airports	Federal Aviation Administration and Aircraft Owners and Pilots Association
Other Characteristics		
Port Capacity	Facilities and usage	California Department of Boating and Waterways, U.S. Army Corps of Engineers, county General Plans, Pacific Boating Almanac, Centaur Associates, Inc., and U.S. Department of Commerce
Marine Traffic	Tonnage	U.S. Army Corps of Engineers
Fishing Activity		
Commercial	Landings and value of landings	California Department of Fish and Game
Sport	Landings, number of boats, and number of anglers	California Department of Fish and Game and U.S. Department of Commerce

Source: Tables 2-1 through DS 4-21.

(particularly the Population Research Unit), Health Services, Justice, Tourism, Water Resources, and Waste Management Board. An important source used in developing the profiles was the California Statistical Abstract, prepared by the California Department of Finance, which is an annual compilation of data obtained from various federal, state, and local agencies on social, economic, and physical aspects of the state.

Local Government Sources

Local government sources included the General Plan prepared by the planning department in each county and the annual crop report prepared by the county agriculture commission. As necessary, telephone contact was made with local officials to verify or clarify data obtained from other sources. A list of significant contacts used in preparing each profile is included at the end of each report.

Other Sources of Information

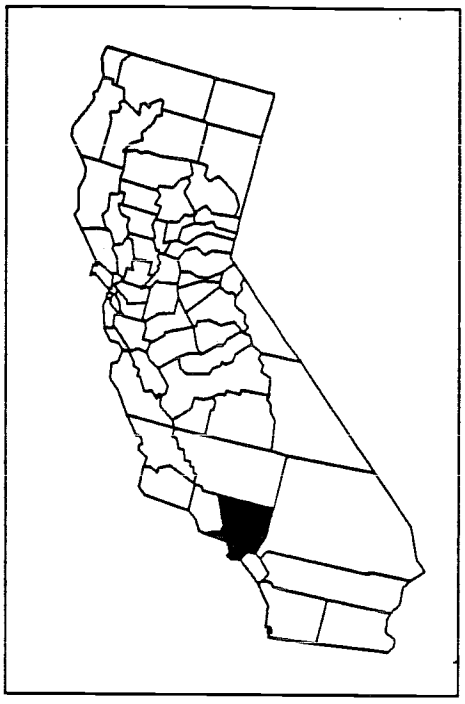
Local chambers of commerce provided information on the general characteristics of communities and hotel/motel and camping facilities in their areas. While the descriptive statistics and general information were not always used explicitly in the profiles, the data were useful in developing a general understanding of the characteristics of the counties and their subareas. The Automobile Club of Southern California provided its inventory of campgrounds in the state. An inventory of hotels/motels prepared by the accounting firm Pannell Kerr Forster for the state Office of Tourism was used along with inventories of hotel/motel rooms from guides to lodging to develop estimates of hotel/motel rooms in each county.

LOS ANGELES COUNTY

2.0 SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, CALIFORNIA

2.1 Regional Location

Los Angeles County is the middle county in the Southern California Planning Area. It is bordered by Kern County to the north, San Bernardino County to the east, Orange County to the south, and Ventura County and the Pacific Ocean to the west. Ventura and Orange counties are part of the Southern California Planning Area. Orange County is included in this study; Ventura County is not.



Los Angeles County has about 10,565 square kilometers (4,079 square miles) of land and water area. The county's land area covers 10,515 square kilometers (4,060 square miles), and the water area covers 50 square kilometers (19 square miles). The county accounts for about 2.6 percent of the total area in California and ranks 11th in size among the 58 counties in the state in terms of area. It is the 2nd largest county in the Southern California Planning Area and the 2nd largest coastal county in terms of area among the 15 coastal counties. See Figure 2-1 for a map of the county.

2.2 Summary of the Socioeconomic Profile

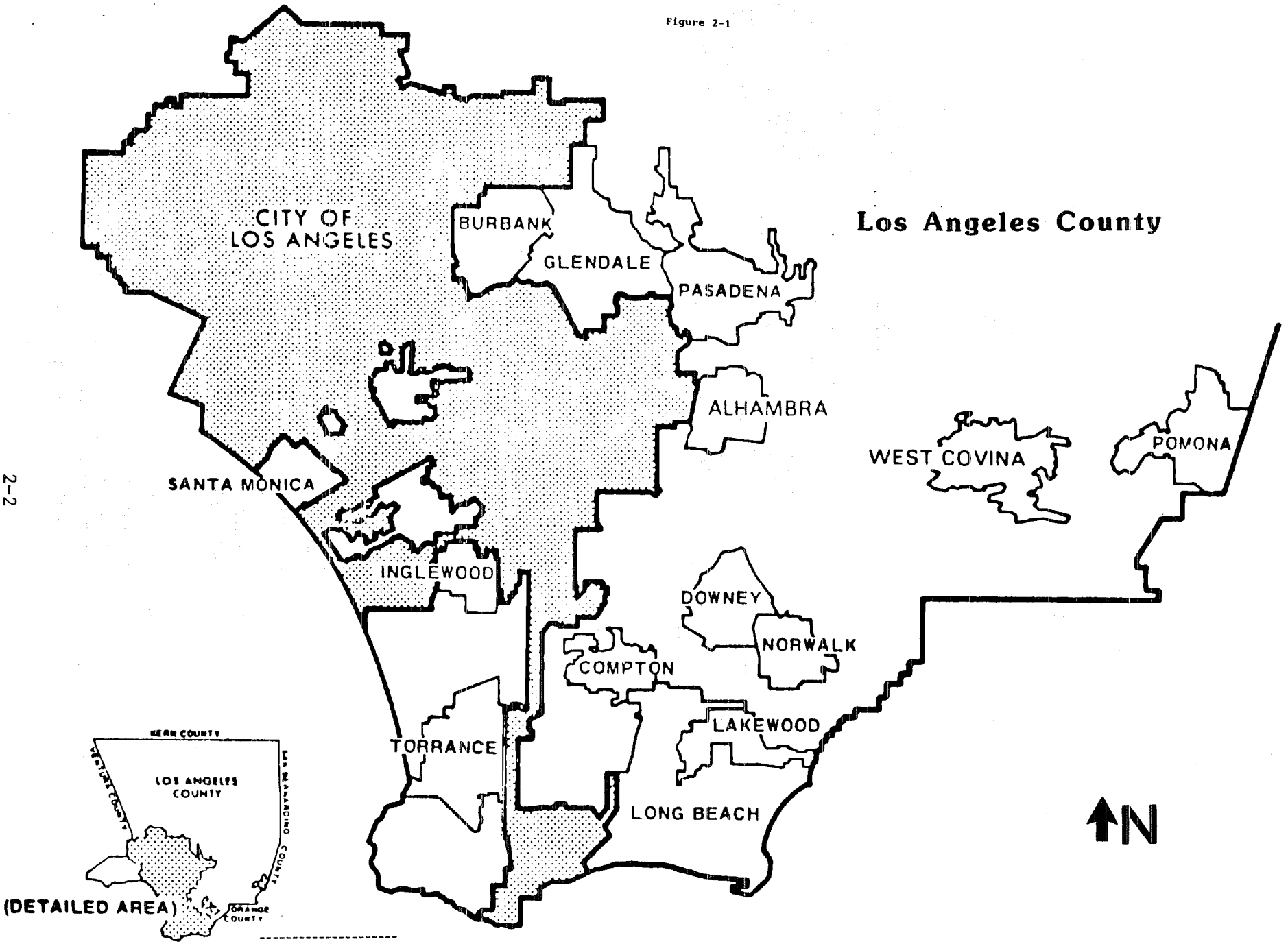
The following points highlight and summarize information presented in the remainder of this section describing the historical (since 1970) and projected (to 2020) socioeconomic characteristics of Los Angeles County.

- Demographics

  Los Angeles County population in July 1980 was 7,493,900, an increase of 6.2 percent from 1970. The compound annual growth rate between 1970 and 1980 in the nation was 1.1 percent compared to 1.7 percent in California and 0.6 percent in the county. The estimated 1986 population of the county was 8,292,800. Between 1970 and 1980, a net out-migration occurred since natural increase was larger than net migration. Between 1980 and 1986, however, 36.8 percent of the population growth was a result of net migration. In 1980 the population density was 709.3 persons per square kilometer (1,837.1 persons per square mile).

  Los Angeles, the county seat and the county's oldest city, is the largest city. In January 1980, the city's population was 2,954,100, an increase of 5.1 percent from 1970. The city's residents accounted for about 39.7 percent of the county's population. The estimated January 1986 population was 3,215,500.

Figure 2-1



Source: Employment Development Department, Annual Planning Information: Los Angeles-Long Beach 1986-1987 (Los Angeles: 1986).

The county's population is projected to be 10,119,300 in 2020, an increase of 35.0 percent from 1980. The compound annual rate of growth over the 40-year period is projected to be 0.8 percent, compared to the projected 1.3 percent per year growth for California.

- Economics

In 1980, the labor force was 3,545,000 with an unemployment rate of 6.6 percent. Unemployment in 1975 and 1983 reached 9.7 percent. The decline in the unemployment rate in the county from 1983 (9.7 percent) through 1985 (7.0 percent) followed the trend in the state and the nation, although the county unemployment rate remained slightly lower than that of the state and the nation during this time.

Personal income (in 1986 dollars) by place of residence was $110,664.4 million for the county in 1980. This amounted to $14,767 per person living in the county, or 95.8 percent of the per capita income for California and 112.0 percent of that of the U.S. in 1980.

Earnings (in 1986 dollars) by place of employment was $93,704.0 million in 1980. In 1980, the predominant contributors to earnings were manufacturing with 27.2 percent of the county total, service industries with 23.0 percent, government with 12.1 percent, and retail trade with 9.4 percent. By 1984, the primary contributors to earnings were again manufacturing (26.0 percent), service industries (25.6 percent), and government (11.8 percent).

In 1980, employment (excluding farms and timber harvesting) in the county was 3,667,478, including 26.3 percent in manufacturing, 22.2 percent in service industries, 14.5 percent in retail trade, and 13.2 percent in government. In 1984, service industries was the predominant sector providing employment (24.8 percent), followed by manufacturing (23.7 percent) and retail trade (14.9 percent).

In 1980, there were an estimated 2,142 farms with 9,308 part-time, seasonal, and full-time employees. Primary agricultural commodities in terms of 1984 sales were, in rank order, ornamental trees and shrubs, bedding plants, indoor foliage plants, and horses.

- Housing

The housing stock in Los Angeles County grew 12.5 percent between 1970 and 1980, from 2,537,578 units to 2,855,555. Single family units accounted for 56.2 percent of the units in 1980, and owner occupied units accounted for 48.5 percent of the units.

In 1986, there were over 2,200 campsites in 69 campgrounds in the county. The number of hotel/motel rooms in the county in 1985 was estimated at about 48,925.

- Public Services and Facilities

Police protection (2.30 sworn officers per 1,000 residents in 1985) in the county is provided by the Sheriff's Department in 36 cities and the unincorporated areas, and 47 city police departments. Fire protection (1.06 fire fighters per 1,000 residents in 1986) is provided by 56 fire departments and/or districts and community service districts.

There are 118 water systems in Los Angeles County each with more than 200 connections. In 1986, over 94 percent of the population was served by these water systems. The remainder of the population is served by water systems each having fewer than 200 connections. Imported, ground, and surface water are the sources of water in the county.

Three of the 27 existing sewage treatment facilities in the county in 1986 were operating at 100 percent or more of capacity. Expansion of six sewage treatment facilities and the opening of a new facility are planned by 2000.

There are 16 municipal landfills in the county. Current landfill capacity is projected to be exceeded by 1994 unless expansion of facilities occurs or new landfills are built.

There are 84 school districts in the county. Enrollment in the 1980-81 school year was 1,189,729. Public school enrollment is projected to be 1,581,573 in the 1995-96 school year, or 32.9 percent more than in 1980-81.

- Public Finance

Total city (81 cities in 1980) and county revenue was approximately $7,104.9 million in 1980, while total city and county expenditures were approximately $7,060.6 million (both in 1986 dollars). The county and the cities of Avalon, Bell Gardens, Compton, Hawaiian Gardens, Hidden Hills, Inglewood, La Verne, Los Angeles, Lynwood, Pico Rivera, Rosemead, and San Dimas experienced a negative fiscal balance in 1980.

- Energy Consumption

Electricity in Los Angeles County is provided by the cities of Azusa, Burbank, Glendale, Pasadena, and Vernon, the Los Angeles Department of Water and Power, Southern California Edison, and the Metropolitan Water District (for the agriculture sector only). Natural gas is provided by the city of Long Beach and Southern California Gas.

- Land Use

  About 46 percent of the coastal portion of Los Angeles County is classified as native (native vegetation, water surface, barren and wasteland, and unsegregated). The federal government owns or leases 26.5 percent of the county's land area.

- Other Characteristics

  Port facilities for deep-draft, ocean going vessels are found at Long Beach Harbor and Los Angeles Harbor. In 1980, commodities passing through Long Beach Harbor totaled almost 38.8 million short tons, while commodities passing through Los Angeles Harbor were approximately 30.2 million short tons. Commercial fish landings by weight, in 1980, for Terminal Island, San Pedro, Wilmington, and all other ports were about 330.1 million pounds, 36.0 million pounds, 15.8 million pounds, and 1.6 million pounds, respectively. Total value of landings, (in 1986 dollars) in 1980, for Terminal Island, San Pedro, and Wilmington were $152.7 million, $10.9 million, and $2.1 million. Value of landings for all other ports is not available.

2.3 Demographic Profile

2.3.1 Population

In July 1980, the population of Los Angeles County was estimated at 7,493,900 (see Table 2-1). The county accounted for about 31.5 percent of California population in 1980, compared to 35.2 percent in 1970 and 30.9 percent in 1985. In terms of population, Los Angeles County was the largest county among the 58 counties in 1970, 1980, and 1985.

Population in Los Angeles County increased 6.2 percent between 1970 and 1980. The percentage change in county population was greater between 1975 and 1980 (4.2 percent) than between 1970 and 1975 (1.9 percent). The compound rate of annual growth between 1970 and 1980 was 1.1 percent in the nation compared to 1.7 percent during the same time in the state and 0.6 percent in the county. Between 1970 and 1980, Los Angeles County had the lowest population growth rate of the counties in the Southern California Planning Area.

County population increased 8.5 percent between 1980 and 1985, with population estimated at 8,133,200 in 1985. The county's 1986 population was estimated at 8,292,800 (see Table 2-1). The compound rate of annual growth between 1980 and 1986 was 1.7 percent. Again, this was the lowest compound annual growth rate of population during this period for a county in the Southern California Planning Area. Annual population estimates from 1970 to 1986 are provided in Table DS 2-2 of the data supplement. (Note: Tables numbered with the prefix DS are found in the data supplement at the end of this section.)

Percentage changes in population for 5-year intervals between 1970 and 1985 for the United States, California, and Los Angeles County are shown

Table 2-1

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Population												
Total - July 1 for 1970-2020	7,055,800	7,190,300	1.9	7,493,900	4.2	7,595,100	7,742,700	7,888,200	7,999,000	8,133,200	8.5	8,292,800
Total - January 1 for 1975-2020, and April 1 for 1970	7,041,980	7,153,200	1.6	7,441,700	4.0	7,522,400	7,630,500	7,761,100	7,861,300	8,027,800	7.9	8,155,300
Agoura Hills	NA	NA	NA	NA	NA	NA	NA	14,250	15,550	16,150	NA	17,400
Alhambra	62,125	63,200	1.7	64,300	1.7	65,700	66,800	68,300	69,100	70,300	9.3	71,300
Arcadia	45,138	46,000	1.9	45,800	-0.4	46,050	46,500	47,000	47,500	48,000	4.8	48,100
Artesia	14,757	14,650	-0.7	14,350	-2.0	14,250	14,250	14,300	14,400	14,700	2.4	14,750
Avalon (a)	1,520	1,590	4.6	1,990	25.2	2,060	2,130	2,180	2,310	2,340	17.6	2,360
Azusa	25,217	26,450	4.9	28,900	9.3	30,350	30,850	31,350	32,850	34,750	20.2	35,900
Baldwin Park	47,285	45,800	-3.1	49,650	8.4	52,100	53,100	54,800	56,300	58,000	16.8	59,900
Bell	21,836	23,550	7.8	25,300	7.4	25,750	26,150	26,650	27,000	27,350	8.1	27,450
Bellflower	52,334	52,000	-0.6	53,300	2.5	53,900	54,700	55,700	56,100	57,000	6.9	57,800
Bell Gardens	29,308	30,100	2.7	33,600	11.6	34,850	35,150	35,550	36,250	36,550	8.8	36,950
Beverly Hills	33,416	32,750	-2.0	32,600	-0.5	32,300	32,150	32,750	33,450	33,650	3.2	33,800
Bradbury	838	840	0.2	860	2.4	810	820	850	850	880	2.3	880
Burbank	88,871	87,700	-1.3	84,600	-3.5	84,500	86,200	87,000	87,600	88,200	4.3	88,800
Carson	71,153	78,400	10.2	81,300	3.7	81,100	82,400	83,600	84,500	86,100	5.9	86,500
Cerritos	15,856	43,350	173.4	52,800	21.8	53,100	54,000	54,700	55,300	56,200	6.4	56,800
Claremont	24,776	25,200	1.7	30,300	20.2	32,950	33,250	33,600	34,200	34,700	14.5	35,050
Commerce	10,635	10,150	-4.6	10,400	2.5	10,800	11,350	11,750	11,850	12,000	15.4	12,200
Compton	78,547	73,100	-6.9	80,800	10.5	83,600	84,600	85,400	87,300	88,200	9.2	90,300
Covina	30,395	32,600	7.3	32,500	-0.3	39,100	38,450	38,950	39,250	40,150	23.5	40,600
Cudahy	16,998	17,050	0.3	18,100	6.2	18,050	18,600	19,000	19,400	19,700	8.8	20,000
Culver City	34,451	37,600	9.1	38,150	1.5	38,150	38,450	38,700	38,850	39,250	2.9	40,000

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

haracteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Downey	88,573	85,300	-3.7	82,500	-3.3	82,400	82,600	83,200	83,400	84,400	2.3	85,000
Duarte	14,981	15,150	1.1	16,250	7.3	17,750	18,600	19,250	19,600	19,950	22.8	20,450
El Monte	69,892	72,600	3.9	78,400	8.0	81,800	84,600	86,900	88,800	90,400	15.3	91,500
El Segundo (a)	15,620	14,650	-6.2	13,750	-6.1	13,850	13,850	14,100	14,350	14,700	6.9	15,150
Gardena	41,021	44,400	8.2	44,950	1.2	45,400	46,150	46,900	47,550	48,500	7.9	49,050
Glendale	132,664	132,300	-0.3	137,900	4.2	139,800	142,500	145,700	146,900	150,200	8.9	152,500
Glendora	31,380	33,950	8.2	38,350	13.0	39,450	39,550	39,650	40,050	40,700	6.1	41,600
Hawaiian Gardens	9,052	9,900	9.4	10,450	5.6	10,800	11,050	11,400	11,450	11,500	10.0	11,800
Hawthorne	53,304	57,900	8.6	56,000	-3.3	57,200	57,400	57,700	58,100	59,200	5.7	60,400
Hermosa Beach (a)	17,412	18,600	6.8	18,000	-3.2	17,950	18,200	18,400	18,550	18,750	4.2	18,950
Hidden Hills	1,529	1,540	0.7	1,740	13.0	1,770	1,790	1,830	1,840	1,870	7.5	1,920
Huntington Park	33,744	36,600	8.5	44,850	22.5	47,000	47,650	48,450	48,850	50,200	11.9	50,800
Industry	712	690	-3.1	660	-4.3	660	670	690	710	720	9.1	620
Inglewood	89,985	89,900	-0.1	94,100	4.7	94,700	96,300	97,500	98,400	99,800	6.1	100,500
Irwindale	784	870	11.0	1,030	18.4	1,020	1,040	1,050	1,050	1,050	1.9	1,060
La Canada Flintridge	NA	NA	NA	20,200	NA	20,000	20,050	20,100	20,150	20,350	0.7	20,450
La Habra Heights	NA	NA	NA	4,770	NA	4,920	4,900	4,960	5,025	5,100	6.9	5,175
Lakewood	83,025	77,500	-6.7	74,400	-4.0	74,300	74,100	74,400	74,600	75,700	1.7	75,500
La Mirada	30,808	37,850	22.9	41,000	8.3	40,500	40,650	40,850	41,000	41,550	1.3	42,000
Lancaster	NA	NA	NA	47,850	NA	48,700	50,800	51,900	53,700	56,200	17.5	60,200
La Puente	31,092	30,500	-1.9	30,850	1.1	30,750	30,850	31,450	31,800	32,600	5.7	32,850
La Verne	12,965	16,450	26.9	23,250	41.3	24,400	24,800	25,350	25,850	26,800	15.3	27,550
Lawndale	24,825	23,950	-3.5	23,400	-2.3	23,650	24,000	24,500	24,950	25,500	9.0	26,200
Lomita	19,784	18,600	-6.0	18,650	0.3	17,300	19,200	19,300	19,400	19,550	4.8	19,800
Long Beach (a)	358,879	353,600	-1.5	360,500	2.0	361,800	368,300	373,200	376,000	385,300	6.9	392,300
Los Angeles (a)	2,811,801	2,842,900	1.1	2,954,100	3.9	2,979,500	3,011,300	3,064,300	3,105,300	3,173,000	7.4	3,215,500
Lynwood	43,354	43,050	-0.7	48,000	11.5	49,150	50,000	51,000	51,800	52,400	9.2	53,000

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Manhattan Beach (a)	35,352	33,000	-6.7	31,350	-5.0	33,050	33,050	33,350	33,450	34,200	9.1	34,400
Maywood	16,996	18,900	11.2	21,650	14.6	22,050	22,600	23,100	23,350	23,650	9.2	23,850
Monrovia	30,562	29,400	-3.8	30,350	3.2	30,700	30,900	31,450	31,950	32,350	6.6	32,650
Montbello	42,807	45,850	7.1	52,500	14.5	53,500	54,300	55,400	56,200	57,400	9.3	58,000
Monterey Park	49,166	50,000	1.7	54,000	8.0	54,900	56,300	57,700	58,500	59,800	10.7	60,200
Norwalk	90,164	86,600	-4.0	84,700	-2.2	85,200	85,500	85,400	86,000	87,100	2.8	87,500
Palmdale	8,511	10,800	26.9	12,250	13.4	12,700	14,300	15,400	17,150	20,200	64.9	23,350
Palos Verdes Estates (a)	13,631	13,800	1.2	14,350	4.0	14,350	14,450	14,500	14,550	14,700	2.4	14,750
Paramount	34,734	33,450	-3.7	36,000	7.6	37,050	38,100	39,300	39,550	40,100	11.4	40,550
Pasadena	112,951	108,300	-4.1	117,200	8.2	120,500	120,900	123,200	125,000	127,800	9.0	128,500
Pico Rivera	54,170	51,700	-4.6	53,300	3.1	54,000	55,100	55,800	56,300	57,400	7.7	58,500
Pomona	87,384	84,900	-2.8	91,500	7.8	95,900	99,800	102,000	104,900	109,200	19.3	112,800
Rancho Palos Verdes (a)	NA	36,000	NA	35,350	-1.8	34,650	36,400	36,500	44,300	44,850	26.9	45,200
Redondo Beach (a)	57,451	61,200	6.5	57,300	-6.4	58,400	58,700	60,900	61,700	62,500	9.1	63,200
Rolling Hills	2,050	2,020	-1.5	2,050	1.5	2,050	2,060	2,060	2,070	2,090	2.0	2,080
Rolling Hills Estates	6,735	7,750	15.1	7,925	2.3	9,325	7,675	7,675	7,675	7,775	-1.9	7,775
Rosemead	40,972	41,200	0.6	42,450	3.0	42,850	43,700	44,500	45,150	45,850	8.0	46,100
San Dimas	15,692	17,000	8.3	23,500	38.2	24,750	26,100	26,300	26,650	27,650	17.7	28,550
San Fernando	16,571	16,800	1.4	17,600	4.8	17,850	18,250	18,550	18,850	19,250	9.4	19,550
San Gabriel	29,336	29,500	0.6	29,950	1.5	30,200	30,800	31,350	31,600	32,050	7.0	32,400
San Marino	14,177	13,700	-3.4	13,300	-2.9	13,300	13,350	13,450	13,600	13,700	3.0	13,750
Santa Fe Springs	14,750	15,600	5.8	14,550	-6.7	14,500	14,600	14,650	14,850	15,050	3.4	15,100
Santa Monica (a)	88,289	91,700	3.9	88,100	-3.9	88,400	89,900	91,900	93,000	94,000	6.7	94,100
Sierra Madre	12,140	11,400	-6.1	10,800	-5.3	10,700	10,750	10,750	10,750	10,900	0.9	10,950
Signal Hill	5,588	5,450	-2.5	5,750	5.5	5,850	6,200	6,975	7,350	7,625	32.6	7,900
South El Monte	13,443	15,700	16.8	15,900	1.3	17,350	17,750	17,850	18,150	18,450	16.0	18,900
South Gate	56,909	58,000	1.9	65,900	13.6	68,100	70,200	72,600	74,100	75,500	14.6	76,600

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

haracteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
South Pasadena	22,979	23,050	0.3	22,700	-1.5	22,750	22,950	23,250	23,500	23,750	4.6	23,950
Temple City	31,034	30,050	-3.2	28,950	-3.7	29,500	29,850	30,300	30,600	31,000	7.1	31,150
Torrance (a)	134,968	132,200	-2.1	131,100	-0.8	131,400	131,400	133,300	134,500	136,300	4.0	137,200
Vernon	261	150	-42.5	85	-43.3	90	85	90	85	80	-5.9	85
Walnut	5,992	6,500	8.5	12,400	90.8	10,000	13,050	13,650	15,150	17,950	44.8	20,700
West Covina	68,034	70,900	4.2	78,800	11.1	82,800	87,700	87,900	88,500	89,900	14.1	91,000
West Hollywood	NA	NA	NA	NA	NA	NA	NA	NA	NA	37,600	NA	37,750
Westlake Village	NA	NA	NA	NA	NA	NA	6,200	6,275	6,325	6,875	NA	6,925
Whittier	72,863	70,600	-3.1	68,600	-2.8	68,500	68,900	69,600	70,200	71,100	3.6	71,900
City Total	6,010,509	6,124,000	1.9	6,437,710	5.1	6,523,205	6,622,670	6,747,385	6,844,640	7,025,855	9.1	7,126,530
Unincorporated	1,031,471	1,029,200	-0.2	1,003,990	-2.4	999,195	1,007,830	1,013,715	1,016,660	1,001,945	-0.2	1,028,770
Urban *	6,938,453	7,165,314	3.3	7,392,175	3.2	NA	NA	NA	NA	NA	NA	NA
Rural *	93,622	89,475	-4.4	85,328	-4.6	NA	NA	NA	NA	NA	NA	NA
Civilian	7,017,300	6,944,300	-1.0	7,485,900	7.8	7,582,600	7,729,000	7,872,200	7,979,200	8,114,700	8.4	8,271,400
Density/Sq. Km.	667.8	680.6	1.9	709.3	4.2	718.9	732.8	746.6	757.1	769.8	8.5	784.9
(Density/Sq. Mi.)	(1,729.7)	(1,762.6)	(1.9)	(1,837.1)	(4.2)	(1,861.9)	(1,898.1)	(1,933.7)	(1,960.9)	(1,993.8)	(8.5)	(2,032.9)
ge												
Under 18 *	2,260,018	2,146,860	-5.0	2,033,702	-5.3	2,048,437	2,063,173	2,077,908	2,092,644	2,107,379	3.6	2,113,441
65 and Over *	652,399	698,424	7.1	744,449	6.6	761,599	778,750	795,900	813,051	830,201	11.5	847,971
Median *	29.2	29.5	1.0	29.8	1.0	30.0	30.3	30.5	30.7	31.0	3.9	31.2
Median Head of Household *	45.5	44.4	-2.5	43.2	-2.6	NA	NA	NA	NA	NA	NA	NA
ouseholds												
Number *	2,431,981	2,582,741	6.2	2,733,500	5.8	2,749,300	2,765,100	2,780,900	2,796,700	2,812,500	2.9	2,842,760
Median Size *	2.83	2.76	-2.5	2.69	-2.5	2.70	2.71	2.73	2.74	2.75	2.2	2.74

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Education												
Median School Years Completed *	12.4	12.6	1.2	12.7	1.2	NA	NA	NA	NA	NA	NA	NA
Civilian Labor Force												
Employment	2,826,565	3,012,000	NA	3,545,000	17.7	3,493,000	3,465,000	3,440,000	3,571,000	3,721,000	5.0	NA
Employment Rate	93.8	90.3	NA	93.4	3.4	93.1	90.7	90.3	92.1	93.0	-0.4	NA
Unemployment	187,551	324,000	NA	249,000	-23.1	259,000	355,000	369,000	306,000	282,000	13.3	NA
Unemployment Rate	6.2	9.7	NA	6.6	-32.0	6.9	9.3	9.7	7.9	7.0	6.1	NA
Labor Force	3,014,116	3,336,000	NA	3,794,000	13.7	3,752,000	3,820,000	3,810,000	3,877,000	4,003,000	5.5	NA
Place of Employment												
Inside County *	2,482,941	2,703,893	8.9	2,924,845	8.2	NA	NA	NA	NA	NA	NA	NA
Outside County *	78,951	101,897	29.1	124,843	22.5	NA	NA	NA	NA	NA	NA	NA
Employment Participation Ratio *	60.1	62.4	3.8	64.7	3.7	NA	NA	NA	NA	NA	NA	NA
Income												
Total Personal	$87,445,294,800	$91,212,240,800	4.3	$110,664,379,000	21.3	$112,697,177,600	$112,573,232,600	$114,374,412,300	$121,655,776,000	NA	NA	NA
Per Capita	$12,393	$12,685	2.4	$14,767	16.4	$14,838	$14,539	$14,499	$15,209	NA	NA	NA
Median Household	NA	$18,345	NA	$17,044	-7.1	$17,043	$17,336	$17,366	$17,589	NA	NA	NA

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

racteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
sing												
otal Units	2,537,578	2,705,622	6.6	2,855,555	5.5	2,875,226	2,894,886	2,908,058	2,923,766	2,944,513	3.1	2,976,097
ear Round *	2,536,975	2,695,214	6.2	2,853,453	5.9	NA	NA	NA	NA	NA	NA	NA
easonal *	603	1,364	126.2	2,125	55.8	NA	NA	NA	NA	NA	NA	NA
ccupied *	2,430,822	2,580,646	6.2	2,730,469	5.8	NA	NA	NA	NA	NA	NA	NA
Owner *	1,179,415	1,251,406	6.1	1,323,397	5.8	NA	NA	NA	NA	NA	NA	NA
% Owner *	48.5	48	-0.1	48.5	-0.1	NA	NA	NA	NA	NA	NA	NA
Renter *	1,251,407	1,329,240	6.2	1,407,072	5.9	NA	NA	NA	NA	NA	NA	NA
% Renter *	51.5	51.5	0.0	51.5	0.0	NA	NA	NA	NA	NA	NA	NA
acancy Rate	4.2	6.0	43.4	4.4	-26.7	4.2	4.1	3.9	3.8	3.6	-18.2	3.5
			NA									
es of Public Roads	21,022	20,381	-3.0	21,012	3.1	21,068	21,028	21,313	21,375	21,164	0.7	NA

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Population													
Total - July 1 for 1970-2020	8,543,700	5.0	8,885,800	4.0	9,132,600	2.8	9,362,600	2.5	9,621,700	2.8	9,885,600	2.7	10,119,300
Total - January 1 for 1975-2020, and April 1 for 1970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agoura Hills	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alhambra	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arcadia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Artesia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Avalon (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azusa	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Baldwin Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bell	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bellflower	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bell Gardens	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beverly Hills	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bradbury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Burbank	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carson	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cerritos	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Claremont	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Commerce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Compton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Covina	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cudahy	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Culver City	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Downey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Duarte	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
El Monte	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
El Segundo (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gardena	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glendale	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glendora	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hawaiian Gardens	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hawthorne	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hermosa Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hidden Hills	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Huntington Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Industry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inglewood	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Irwindale	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Canada Flintridge	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Habra Heights	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lakewood	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Mirada	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lancaster	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Puente	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Verne	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lawndale	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lomita	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Long Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Los Angeles (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lynwood	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Manhattan Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Maywood	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Monrovia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Montbello	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Monterey Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Norwalk	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Palmdale	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Palos Verdes Estates (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paramount	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pasadena	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pico Rivera	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pomona	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rancho Palos Verdes (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Redondo Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rolling Hills	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rolling Hills Estates	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rosemead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Dimas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Fernando	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Gabriel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Marino	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Santa Fe Springs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Santa Monica (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sierra Madre	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Signal Hill	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
South El Monte	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Gate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

haracteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
South Pasadena	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Temple City	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Torrance (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vernon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Walnut	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
West Covina	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
West Hollywood	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Westlake Village	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Whittier	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
City Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unincorporated	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Urban *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Civilian	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Density/Sq. Km.	808.6	5.0	841.0	4.0	864.4	2.8	886.2	2.5	910.7	2.8	935.7	2.7	957.8
(Density/Sq. Mi.)	(2,094.4)	(5.0)	(2,178.3)	(4.0)	(2,238.8)	(2.8)	(2,295.1)	(2.5)	(2,358.7)	(2.8)	(2,423.4)	(2.7)	(2,480.6)
ge													
Under 18 *	2,137,687	1.4	2,234,043	4.5	2,178,114	-2.5	2,164,485	-0.6	2,150,857	-0.6	2,137,228	-0.6	2,123,599
65 and Over *	919,052	10.7	978,317	6.4	988,881	1.1	1,072,731	8.5	1,156,581	7.8	1,240,431	7.2	1,324,281
Median *	32.3	4.3	33.6	4.1	34.8	3.5	35.2	1.1	35.5	1.1	35.9	1.1	36.3
Median Head of Household *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ouseholds													
Number *	2,963,800	5.4	3,074,000	3.7	3,177,500	3.4	NA	NA	NA	NA	NA	NA	NA
Median Size *	2.69	-2.2	2.66	-1.1	2.62	-1.5	NA	NA	NA	NA	NA	NA	NA

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Education													
Median School Years Completed *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Civilian Labor Force													
Employment	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Employment Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Labor Force	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Place of Employment													
Inside County *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Outside County *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Employment Participation Ratio *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Income													
Total Personal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Per Capita	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Median Household	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-1 (Cont.)

Socioeconomic Profile of Los Angeles County, 1970-2020

(Income data in 1986 dollars)

aracteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
using													
Total Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Year Round *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Seasonal *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Occupied *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Owner *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% Owner *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Renter *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% Renter *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vacancy Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
lies of Public Roads	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ource: See Table 2-39, Key to the References, and References at the end of the profile.

a) - Indicates a city which is subject to the Coastal Zone Management Program, is the county seat, and/or the county's largest city.

- One or more data points estimated using a straight line projection. See Key to the References and References at the end of the profile to locate specific estimated data points.

A - Not available.

in Figure 2-2. For each of the 5-year intervals shown in Figure 2-2 the percentage change in population in Los Angeles County was below that of California and the United States.

The population in the county is primarily civilian. Except for 1975, for each year shown in Table 2-1, less than 1 percent of the population was counted as military (see Table 2-1). In 1975, 3.4 percent of the population was counted as military.

Most of the county's population lives in cities. (It should be noted that the 1975 to 1986 population data for cities shown in Table 2-1 are estimates as of January 1, the only period for which the California Department of Finance makes city population estimates. The 1970 city population data are U.S. Bureau of the Census estimates and represent population as of April 1.) The proportion of the county's population living in cities increased from 85.5 percent in 1970 to 87.4 percent in 1986. In 1980, 86.5 percent of the population lived in the county's cities. Seven cities have been incorporated since 1970. The population in cities and the unincorporated area of the county from 1970 to 1986 is shown in Figure 2-3. Los Angeles is the county's largest city, the county seat and the county's oldest city. In January 1980, its population was estimated at 2,954,100 (see Table 2-1).

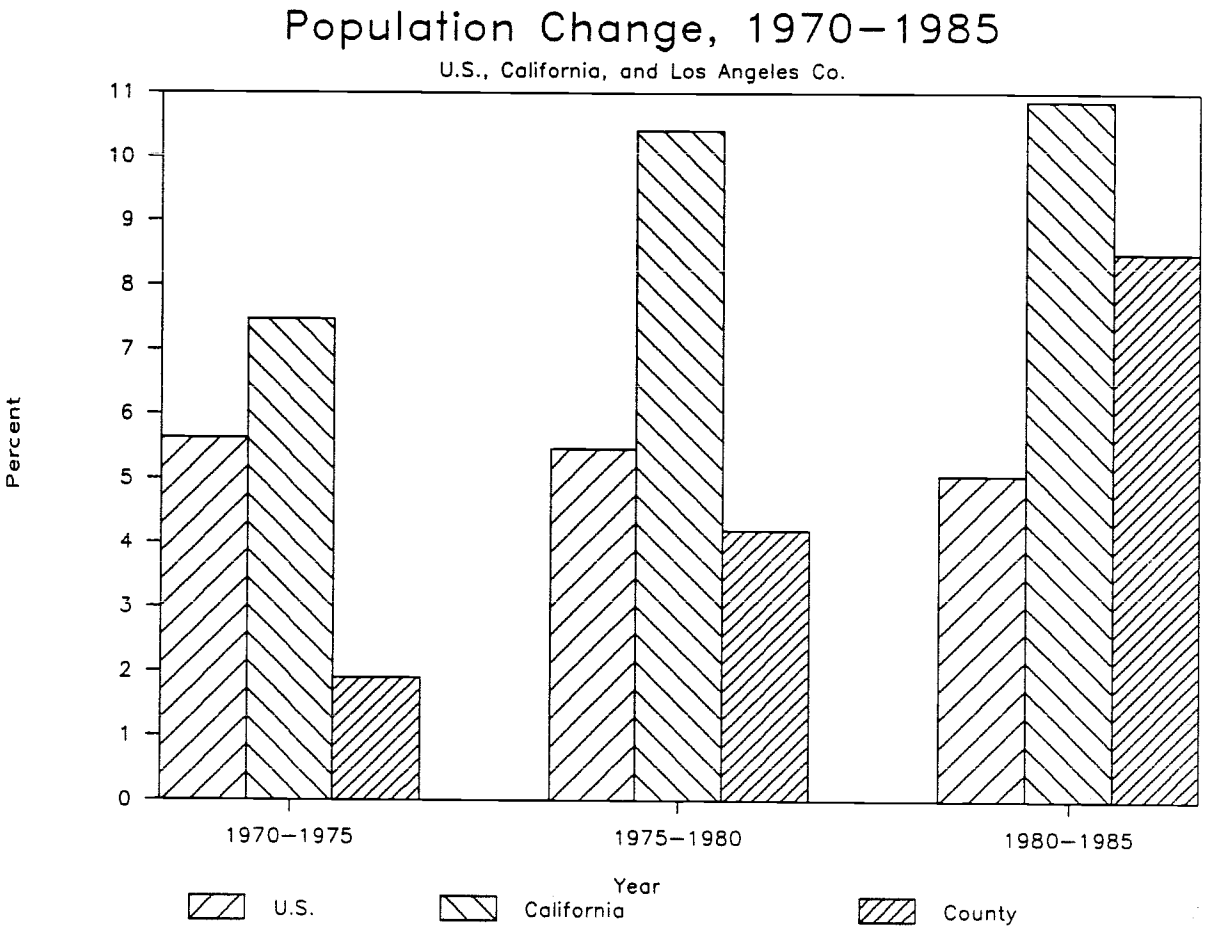
Table 2-2 compares 1970 and 1980 information on selected population characteristics for Los Angeles County cities. The largest absolute increase in population between 1970 and 1980 occurred in the city of Los Angeles, 155,049 people. Between 1970 and 1980, 25 of the 77 cities (almost 33 percent) in existence in 1970 lost population.

Virtually all of the population in the county lives in urban areas--over 98 percent in both 1970 and 1980. Urban population is a designation used by the Bureau of the Census to identify population in incorporated places with 2,500 or more inhabitants, the Bureau of the Census designated urbanized areas, and delineated unincorporated areas. The urban area is essentially the densely settled area in and around cities.

The racial/ethnic composition of the population in Los Angeles County in 1970 and 1980 is shown in Table 2-3. The county's population in both years was predominantly white, but the proportion of the population declined from 85.4 percent white in 1970 to 68.7 percent white in 1980. Blacks accounted for the next largest racial/ethnic group in the county in both 1970 and 1980, 10.8 percent in 1970 and 12.6 percent in 1980. In 1980, however, 11.9 percent of the population was classified as "other not elsewhere classified." In 1980, 27.6 percent of the population was of Spanish/Hispanic origin.

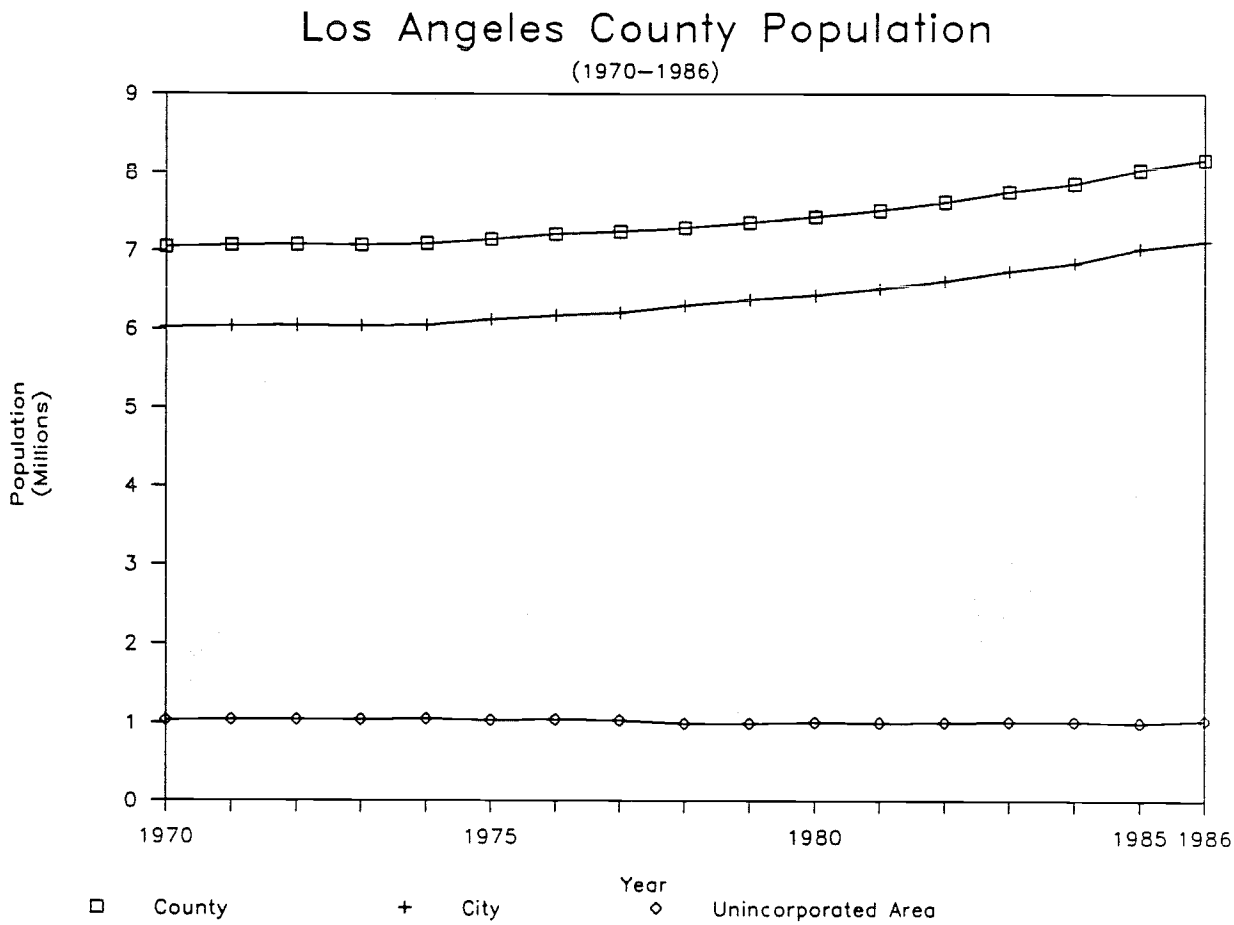
Table 2-1 includes the most recent population projection (1986) for the county in 5-year intervals to the year 2020. Population growth in the county between 1975 and 2020 is also shown in Figure 2-4. In 2020, the county's population is projected to be 10,119,300. This represents a 35.0 percent increase from 1980 and a compound annual growth rate of 0.8 percent between 1980 and 2020. The population in California is projected to increase by 66.6 percent during the same time, for a compound growth rate of 1.3 percent per year. Based on these projections, Los Angeles

Figure 2-2



Source: California Department of Finance, California Statistical Abstract (Sacramento: 1986).

Figure 2-3



Source: California Department of Finance, State and County Population Estimates to July 1, 1986 (Sacramento: 1987).

California Department of Finance, Population Estimates for California Cities and Counties 1970 through 1980 (Sacramento: 1984).

California Department of Finance, California Statistical Abstract (Sacrmaneto: 1981-1986).

Table 2-2

Summary of Population Characteristics of Los Angeles County Cities, 1970 and 1980

City/County	Total Population 1970	Total Population 1980	Total Population Absolute Change 1970-1980	% Under 18 Years 1970	% Under 18 Years 1980	% Under 18 Years Absolute Change 1970-1980	% 18 to 64 Years 1970	% 18 to 64 Years 1980	% 18 to 64 Years Absolute Change 1970-1980
Agoura Hills	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alhambra	62,125	64,615	2,490	23.4	22.9	(0.5)	60.2	61.2	1.0
Arcadia	45,138	45,994	856	29.5	23.3	(6.2)	59.1	61.9	2.8
Artesia	14,757	14,301	(456)	41.5	30.4	(11.1)	51.1	59.8	8.7
Avalon	1,520	2,022	502	NA	22.1	NA	NA	62.6	NA
Azusa	25,217	29,380	4,163	37.4	30.3	(7.1)	55.7	62.0	6.3
Baldwin Park	47,285	50,554	3,269	41.3	37.9	(3.4)	52.1	55.9	3.8
Bell	21,836	25,450	3,614	28.8	32.5	3.7	60.3	57.3	(3.0)
Bellflower	52,334	53,441	1,107	29.6	24.0	(5.6)	61.8	65.0	3.2
Bell Gardens	29,308	34,117	4,809	40.5	42.2	1.7	53.0	52.2	(0.8)
Beverly Hills	33,416	32,367	(1,049)	19.4	18.1	(1.3)	60.7	60.6	(0.1)
Bradbury	838	846	8	NA	NA	NA	NA	NA	NA
Burbank	88,871	84,625	(4,246)	26.1	21.5	(4.6)	63.4	63.5	0.1
Carson	71,150	81,221	10,071	45.1	34.2	(10.9)	51.9	60.4	8.5
Cerritos	15,856	53,020	37,164	41.8	36.4	(5.4)	56.3	60.9	4.6
Claremont	24,776	30,950	6,174	32.0	24.7	(7.3)	57.5	65.4	7.9
Commerce	10,635	10,509	(126)	40.8	37.0	(3.8)	54.1	56.2	2.1
Compton	78,547	81,286	2,739	45.9	39.9	(6.0)	50.0	56.1	6.1
Covina	30,395	33,751	3,356	36.3	26.5	(9.8)	56.1	64.1	8.0
Cudahy	16,998	17,984	986	42.7	43.2	0.5	52.3	52.0	(0.3)
Culver City	34,451	38,139	3,688	28.5	20.3	(8.2)	63.4	69.2	5.8
Downey	88,573	82,602	(5,971)	29.5	22.6	(6.9)	64.1	66.4	2.3
Duarte	14,981	16,766	1,785	37.6	30.5	(7.1)	54.0	58.6	4.6
El Monte	69,892	79,494	9,602	35.9	35.2	(0.7)	56.1	56.8	0.7
El Segundo	15,620	13,752	(1,868)	30.2	21.4	(8.8)	64.0	70.6	6.6
Gardena	41,021	45,165	4,144	30.2	25.2	(5.0)	61.5	65.4	3.9
Glendale	132,664	139,060	6,396	24.6	20.8	(3.8)	59.8	62.9	3.1
Glendora	31,380	38,654	7,274	38.4	28.6	(9.8)	54.5	62.5	8.0
Hawaiian Gardens	9,052	10,548	1,496	46.1	39.4	(6.7)	49.4	55.0	5.6
Hawthorne	53,304	56,447	3,143	31.5	24.9	(6.6)	62.2	67.0	4.8
Hermosa Beach	17,412	18,070	658	22.9	13.3	(9.6)	69.2	80.7	11.5
Hidden Hills	1,529	1,760	231	NA	34.8	NA	NA	62.4	NA
Huntington Park	33,744	46,223	12,479	23.9	34.0	10.1	61.0	57.3	(3.7)
Industry	712	664	(48)	NA	NA	NA	NA	NA	NA
Inglewood	89,985	94,245	4,260	24.3	28.7	4.4	64.1	62.9	(1.2)
Irwindale	784	1,030	246	NA	37.8	NA	NA	56.7	NA
La Canada Flintridge	NA	20,153	NA	NA	27.9	NA	NA	62.8	NA
La Habra Heights	NA	4,786	NA	NA	27.2	NA	NA	65.2	NA
Lakewood	83,025	74,654	(8,371)	37.6	27.4	(10.2)	58.0	65.1	7.1
La Mirada	30,808	40,986	10,178	41.1	28.5	(12.6)	56.3	66.0	9.7
Lancaster	NA	48,027	NA	NA	29.9	NA	NA	61.4	NA
La Puente	31,092	30,882	(210)	47.2	36.8	(10.4)	49.9	58.7	8.8
La Verne	12,965	23,508	10,543	33.6	27.9	(5.7)	52.9	59.9	7.0
Lawndale	24,825	23,460	(1,365)	38.9	30.5	(8.4)	56.3	63.5	7.2

Table 2-2 (Cont.)

Summary of Population Characteristics of Los Angeles County Cities, 1970 and 1980

City/County	Total Population 1970	Total Population 1980	Total Population Absolute Change 1970-1980	% Under 18 Years 1970	% Under 18 Years 1980	% Under 18 Years Absolute Change 1970-1980	% 18 to 64 Years 1970	% 18 to 64 Years 1980	% 18 to 64 Years Absolute Change 1970-1980
Lomita	19,784	18,807	(977)	31.7	24.6	(7.1)	58.9	64.9	6.0
Long Beach	358,879	361,334	2,455	24.5	22.9	(1.6)	61.5	63.1	1.6
Los Angeles	2,811,801	2,966,850	155,049	30.2	25.1	(5.1)	59.8	64.3	4.5
Lynwood	43,354	48,548	5,194	30.8	38.6	7.8	58.9	54.5	(4.4)
Manhattan Beach	35,352	31,542	(3,810)	29.3	21.1	(8.2)	66.0	73.2	7.2
Maywood	16,996	21,810	4,814	31.3	38.1	6.8	59.0	54.9	(4.1)
Monrovia	30,562	30,531	(31)	30.2	26.4	(3.8)	57.1	61.1	4.0
Montebello	42,807	52,929	10,122	30.9	27.5	(3.4)	60.2	61.8	1.6
Monterey Park	49,166	54,338	5,172	32.2	25.7	(6.5)	60.3	64.9	4.6
Norwalk	90,164	85,286	(4,878)	41.2	32.7	(8.5)	55.1	61.2	6.1
Palmdale	8,511	12,277	3,766	37.3	29.4	(7.9)	55.5	61.6	6.1
Palos Verdes Estates	13,631	14,376	745	37.2	28.5	(8.7)	58.1	64.3	6.2
Paramont	34,734	36,407	1,673	36.8	35.5	(1.3)	56.4	56.9	0.5
Pasadena	112,951	118,550	5,599	25.6	23.1	(2.5)	57.3	62.0	4.7
Pico Rivera	54,170	53,459	(711)	40.8	33.7	(7.1)	54.0	59.4	5.4
Pomona	87,384	92,742	5,358	36.6	32.6	(4.0)	54.5	58.5	4.0
Rancho Palos Verdes	NA	36,577	NA	NA	29.2	NA	NA	66.2	NA
Redondo Beach	57,451	57,102	(349)	34.8	20.6	(14.2)	59.1	72.7	13.6
Rolling Hills	2,050	2,049	(1)	NA	30.0	NA	NA	62.9	NA
Rolling Hills Estates	6,735	7,701	966	42.1	26.8	(15.3)	55.1	68.0	12.9
Rosemead	40,972	42,604	1,632	36.0	33.1	(2.9)	54.7	57.0	2.3
San Dimas	15,692	24,014	8,322	41.1	30.0	(11.1)	52.2	63.4	11.2
San Fernando	16,571	17,731	1,160	33.8	32.7	(1.1)	54.8	57.7	2.9
San Gabriel	29,336	30,072	736	28.5	25.1	(3.4)	57.7	58.4	0.7
San Marino	14,177	13,307	(870)	31.2	28.5	(2.7)	55.5	57.3	1.8
Santa Fe Springs	14,750	14,520	(230)	42.0	33.1	(8.9)	54.9	61.0	6.1
Santa Monica	88,289	88,314	25	19.6	15.6	(4.0)	64.0	68.0	4.0
Sierra Madre	12,140	10,837	(1,303)	31.3	20.1	(11.2)	57.2	67.0	9.8
Signal Hill	5,588	5,734	146	23.5	20.7	(2.8)	62.7	68.2	5.5
South El Monte	13,443	16,623	3,180	43.8	38.2	(5.6)	51.1	56.2	5.1
South Gate	56,909	66,784	9,875	26.2	32.5	6.3	61.4	56.7	(4.7)
South Pasadena	22,979	22,681	(298)	25.6	21.5	(4.1)	59.7	64.3	4.6
Temple City	31,034	28,972	(2,062)	30.6	25.9	(4.7)	56.4	59.8	3.4
Torrance	134,968	129,881	(5,087)	34.4	23.8	(10.6)	60.6	67.7	7.1
Vernon	261	90	(171)	NA	NA	NA	NA	NA	NA
Walnut	5,992	12,478	6,486	44.2	38.8	(5.4)	53.6	59.0	5.4
West Covina	68,034	80,291	12,257	40.0	28.8	(11.2)	56.2	65.6	9.4
West Hollywood	NA	NA	NA	NA	NA	NA	NA	NA	NA
Westlake Village	NA	NA	NA	NA	NA	NA	NA	NA	NA
Whittier	72,863	69,717	(3,146)	29.2	23.5	(5.7)	59.6	63.3	3.7
County	7,041,980	7,477,503	435,523	32.1	27.2	(4.9)	58.6	62.9	4.3

Table 2-2 (Cont.)

Summary of Population Characteristics of Los Angeles County Cities, 1970 and 1980

City/County	% 65 Years and Over 1970	% 65 Years and Over 1980	% 65 Years and Over Absolute Change 1970-1980	Median Age 1970	Median Age 1980	Median Age Absolute Change 1970-1980	Persons Per Household 1970	Persons Per Household 1980	Persons Per Household Absolute Change 1970-1980
Agoura Hills	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alhambra	16.4	15.8	(0.6)	36.7	31.7	(5.00)	2.43	2.45	0.0
Arcadia	11.4	14.8	3.4	36.7	38.6	1.90	2.82	2.55	(0.3)
Artesia	7.4	9.8	2.4	23.5	27.9	4.40	3.75	3.20	(0.5)
Avalon	NA	15.3	NA	39.5	36.2	NA	NA	2.21	NA
Azusa	6.9	7.7	0.8	24.0	26.2	2.20	3.19	2.89	(0.3)
Baldwin Park	6.5	6.2	(0.3)	23.6	24.1	0.50	3.51	3.58	0.1
Bell	11.0	10.2	(0.8)	30.6	26.8	(3.80)	2.52	2.86	0.3
Bellflower	8.5	10.9	2.4	27.5	29.7	2.20	2.72	2.44	(0.3)
Bell Gardens	6.4	5.6	(0.8)	23.4	22.1	(1.30)	3.19	3.61	0.4
Beverly Hills	19.9	21.3	1.4	46.9	43.9	(3.00)	2.28	2.18	(0.1)
Bradbury	NA	NA	NA	NA	NA	NA	NA	NA	NA
Burbank	10.4	15.1	4.7	35.1	35.6	0.50	2.55	2.33	(0.2)
Carson	2.9	5.4	2.5	21.9	27.3	5.40	3.94	3.56	(0.4)
Cerritos	1.8	2.7	0.9	24.0	29.3	5.30	3.73	3.60	(0.1)
Claremont	10.5	9.9	(0.6)	25.6	29.4	3.80	3.11	2.84	(0.3)
Commerce	5.2	6.8	1.6	23.3	24.1	0.80	3.49	3.59	0.1
Compton	4.0	4.0	0.0	20.3	22.4	2.10	3.77	3.75	(0.0)
Covina	7.7	9.4	1.7	27.4	30.7	3.30	3.15	2.72	(0.4)
Cudahy	5.0	4.8	(0.2)	22.5	22.0	(0.50)	3.30	3.55	0.3
Culver City	8.1	10.5	2.4	32.9	33.6	0.70	2.75	2.36	(0.4)
Downey	6.3	11.1	4.8	30.0	33.9	3.90	2.85	2.49	(0.4)
Duarte	8.4	10.8	2.4	27.1	29.1	2.00	3.34	2.96	(0.4)
El Monte	8.0	8.0	0.0	25.6	24.7	(0.90)	3.01	3.22	0.2
El Segundo	5.8	8.1	2.3	28.5	32.6	4.10	2.71	2.29	(0.4)
Gardena	8.3	9.4	1.1	31.1	31.0	(0.10)	2.85	2.62	(0.2)
Glendale	15.6	16.3	0.7	37.0	35.7	(1.30)	2.40	2.30	(0.1)
Glendora	7.1	8.9	1.8	27.0	30.9	3.90	3.37	2.93	(0.4)
Hawaiian Gardens	4.5	5.5	1.0	19.9	23.2	3.30	3.74	3.52	(0.2)
Hawthorne	6.3	8.0	1.7	28.2	29.7	1.50	2.78	2.42	(0.4)
Hermosa Beach	7.9	6.0	(1.9)	28.1	29.8	1.70	2.31	1.97	(0.3)
Hidden Hills	NA	2.8	NA	24.5	32.2	NA	NA	3.81	NA
Huntington Park	15.1	8.8	(6.3)	36.9	25.1	(11.80)	2.25	3.07	0.8
Industry	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inglewood	11.7	8.3	(3.4)	32.6	27.8	(4.80)	2.41	2.50	0.1
Irwindale	NA	5.5	NA	NA	23.4	NA	NA	4.00	NA
La Canada Flintridge	NA	9.3	NA	32.7	37.1	NA	NA	3.00	NA
La Habra Heights	NA	7.6	NA	NA	36.0	NA	NA	3.22	NA
Lakewood	4.4	7.6	3.2	27.0	31.0	4.00	3.47	2.89	(0.6)
La Mirada	2.7	5.5	2.8	23.6	29.1	5.50	3.84	3.27	(0.6)
Lancaster	6.2	8.7	NA	26.7	30.0	NA	NA	2.75	NA
La Puente	2.9	4.5	1.6	19.5	23.9	4.40	4.14	3.69	(0.4)
La Verne	13.5	12.2	(1.3)	28.9	30.7	1.80	3.12	2.74	(0.4)
Lawndale	4.8	6.0	1.2	23.8	26.2	2.40	3.22	2.88	(0.3)

Table 2-2 (Cont.)

Summary of Population Characteristics of Los Angeles County Cities, 1970 and 1980

City/County	% 65 Years and Over 1970	% 65 Years and Over 1980	% 65 Years and Over Absolute Change 1970-1980	Median Age 1970	Median Age 1980	Median Age Absolute Change 1970-1980	Persons Per Household 1970	Persons Per Household 1980	Persons Per Household Absolute Change 1970-1980
Lomita	9.5	10.5	1.0	27.9	29.9	2.00	2.73	2.42	(0.3)
Long Beach	14.0	14.0	0.0	32.7	31.0	(1.70)	2.40	2.31	(0.1)
Los Angeles	10.1	10.6	0.5	30.1	30.2	0.10	2.68	2.55	(0.1)
Lynwood	10.3	7.0	(3.3)	30.2	24.1	(6.10)	2.78	3.39	0.6
Manhattan Beach	4.7	5.7	1.0	28.5	32.5	4.00	2.76	2.41	(0.3)
Maywood	9.7	7.0	(2.7)	28.9	23.8	(5.10)	2.59	3.33	0.7
Monrovia	12.7	12.5	(0.2)	29.9	29.6	(0.30)	2.70	2.54	(0.2)
Montebello	9.0	10.8	1.8	30.2	29.4	(0.80)	3.00	2.92	(0.1)
Monterey Park	7.5	9.4	1.9	29.9	31.0	1.10	3.05	2.89	(0.2)
Norwalk	3.6	6.1	2.5	23.4	26.6	3.20	3.74	3.31	(0.4)
Palmdale	7.2	9.1	1.9	NA	28.7	28.70	3.24	2.63	(0.6)
Palos Verdes Estates	4.7	7.3	2.6	34.3	38.9	4.60	3.48	3.01	(0.5)
Paramont	6.8	7.6	0.8	25.2	25.1	(0.10)	3.09	3.20	0.1
Pasadena	17.1	14.9	(2.2)	34.7	31.5	(3.20)	2.45	2.42	(0.0)
Pico Rivera	5.1	6.9	1.8	24.2	26.6	2.40	3.74	3.45	(0.3)
Pomona	8.9	8.9	0.0	25.3	25.9	0.60	3.04	2.96	(0.1)
Rancho Palos Verdes	NA	4.6	NA	NA	36.3	NA	NA	3.06	NA
Redondo Beach	6.1	6.7	0.6	26.3	29.8	3.50	2.98	2.31	(0.7)
Rolling Hills	NA	7.2	NA	35.4	38.9	NA	NA	3.26	NA
Rolling Hills Estates	2.8	5.2	2.4	27.3	38.9	11.60	3.91	3.02	(0.9)
Rosemead	9.3	9.9	0.6	27.1	26.9	(0.20)	3.10	3.19	0.1
San Dimas	6.8	6.7	(0.1)	25.8	29.4	3.60	3.57	2.95	(0.6)
San Fernando	11.4	9.6	(1.8)	28.5	26.7	(1.80)	3.02	3.27	0.3
San Gabriel	13.8	16.5	2.7	34.2	33.1	(1.10)	2.74	2.64	(0.1)
San Marino	13.3	14.3	1.0	39.0	39.3	0.30	3.11	3.02	(0.1)
Santa Fe Springs	3.1	5.9	2.8	22.6	26.8	4.20	3.97	3.39	(0.6)
Santa Monica	16.4	16.4	0.0	37.9	34.1	(3.80)	2.14	1.97	(0.2)
Sierra Madre	11.4	12.9	1.5	31.2	33.7	2.50	2.79	2.34	(0.5)
Signal Hill	13.9	11.1	(2.8)	28.7	29.7	1.00	2.33	2.19	(0.1)
South El Monte	5.1	5.5	0.4	22.3	23.5	1.20	3.70	3.76	0.1
South Gate	12.3	10.8	(1.5)	34.4	27.5	(6.90)	2.50	2.91	0.4
South Pasadena	14.7	14.3	(0.4)	35.0	33.6	(1.40)	2.39	2.24	(0.1)
Temple City	12.9	14.3	1.4	32.6	34.2	1.60	2.87	2.67	(0.2)
Torrance	5.0	8.5	3.5	36.6	33.2	(3.40)	3.05	2.60	(0.4)
Vernon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Walnut	2.3	2.2	(0.1)	21.9	26.6	4.70	3.87	3.69	(0.2)
West Covina	3.8	5.6	1.8	25.3	28.8	3.50	3.62	3.02	(0.6)
West Hollywood	NA	NA	NA	NA	NA	NA	NA	NA	NA
Westlake Village	NA	NA	NA	NA	NA	NA	NA	NA	NA
Whittier	11.2	13.2	2.0	32.0	32.1	0.10	2.81	2.52	(0.3)
County	9.3	9.9	0.6	29.2	29.8	0.60	2.83	2.69	(0.1)

Table 2-2 (Cont.)

Summary of Population Characteristics of Los Angeles County Cities, 1970 and 1980

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol 1, General Population Characteristics, part 6.

U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol 1, General Population Characteristics, part 6.

U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol 1, Characteristics of the Population, Chapter A, Number of Inhabitants.

NA - Not available.

Note: Negative numbers are expressed in parentheses.

Table 2-3

Racial/Ethnic Composition, Los Angeles County
1970 and 1980

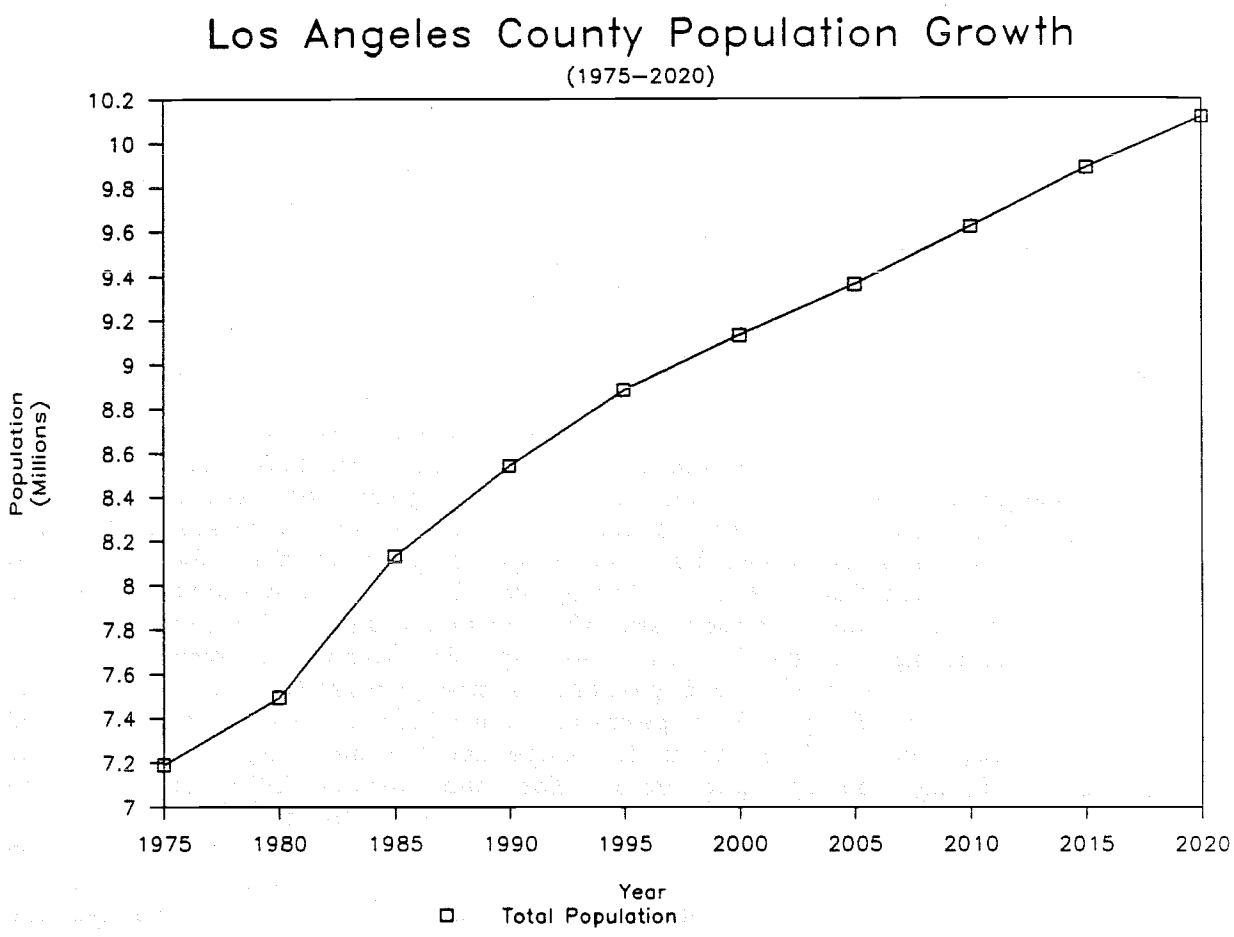
Racial/Ethnic Group	1970 Number	1970 Percent	1980 Number	1980 Percent
White	6,006,499	85.4	5,135,540	68.7
Black	762,844	10.8	943,124	12.6
American Indian	24,509	0.3	52,809	0.7
Eskimo	(a)	(a)	733	0.0
Aleut	(a)	(a)	1,027	0.0
Japanese	104,078	1.5	117,190	1.6
Chinese	40,798	0.6	94,521	1.3
Filipino	33,459	0.5	100,894	1.3
Korean	(a)	(a)	60,339	0.8
Asian Indian	(a)	(a)	18,770	0.3
Vietnamese	(a)	(a)	27,252	0.4
Hawaiian	(a)	(a)	6,126	0.1
Guamanian	(a)	(a)	3,596	0.0
Samoan	(a)	(a)	7,440	0.1
Other, Not Elsewhere Classified	59,888	0.9	20,565	0.3
	(a)	(a)	887,577	11.9
Total	7,032,075	100.0	7,477,503	100.0

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.
U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, General Population Characteristics, part 6.

(a) - Not identified as a separate category in 1970.

Note: In Los Angeles County, 27.6 percent of the population was of Spanish/Hispanic origin in 1980. Persons of Spanish/Hispanic origin are those who identified themselves as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other hispanic origin or descent. They may be of any race, and thus, are included in both black and white population groups. The 1980 data on Spanish/Hispanic origin are not directly comparable to the 1970 data on Spanish/Hispanic origin due to changes in the format and coverage of the 1980 Census.

Figure 2-4



Source: California Department of Finance, Projected Total Population of California Counties July 1, 1985 to July 1 2020 (Sacramento: 1986).
California Department of Finance, California Statistical Abstract (Sacramento: 1985).

County will account for 25.5 percent of the state's population and will remain 1st among the 58 counties in terms of population size in 2020.

An increase in population will result in an increase in the population density (i.e., the number of persons per square kilometer). In 1980, population density in the county was an estimated 709.3 persons per square kilometer (1,837.1 persons per square mile). In 2020, density in the county is projected to increase to 957.8 persons per square kilometer (2,480.6 persons per square mile).

2.3.2 Age

The age structure for Los Angeles County at 5-year intervals for the period 1970 to 2020 is shown in Figure 2-5. In 1980, 27.2 percent of the population was under age 18 years, while 62.9 percent was 18 to 64 years old and 9.9 percent was 65 years old and over. Within the cities, in 1980 Cudahy had the highest percent under 18 years old (43.2 percent), Hermosa Beach had the highest percent of age 18 to 64 years old (80.7 percent), and Beverly Hills had the highest percent over 64 years old (21.3 percent, see Table 2-2). During the 1970's the proportion of the population in the county under age 18 decreased while the proportion of the population age 18 to 64 years and age 65 years and over increased (see Table 2-1). In 2020, 23.6 percent of the population is projected to be under 18 years of age, 61.7 percent is projected to be between 18 and 64 years old, and 14.7 percent is projected to be over 64 years old. Estimates of age by grouped years for the period 1970 to 2020 are included in the data supplement, Table DS 2-3. The county percentages discussed above are based on this table. (Note: The population projections shown in Table 2-1 and the population projections associated with the age projections in Table 2-1 and also shown in Table DS 2-3 are from different source documents prepared by the California Department of Finance. The population projections published in 1986 and the age projections published in 1983 represent the most recent available information from the State of California.)

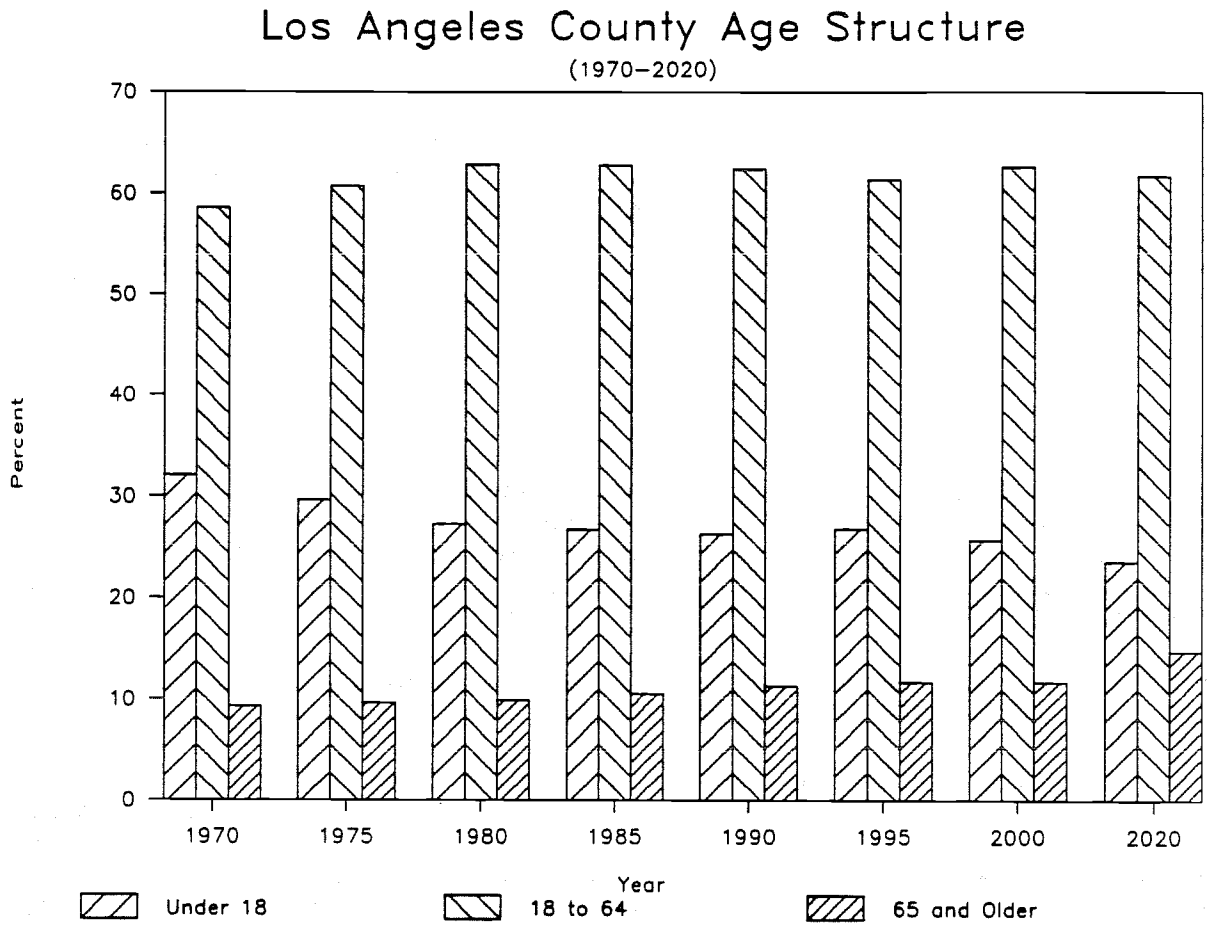
Median age in the county in 1980 was estimated at 29.8 years (see Table 2-1). This is about the same as it was in 1970 (29.2 years). By 2020, however, median age in the county is projected to increase to 36.3 years. The median age in California is projected to increase from 29.9 years in 1980 to 38.1 years in 2020. Among the cities, Beverly Hills had the highest median age in 1980, 43.9 years (see Table 2-2).

Information on the median age of household heads is limited to 1970 and 1980 and is computed from data provided in the decennial census. Based on this information, the median age of household heads decreased 5.1 percent, from 45.5 years in 1970 to 43.2 years in 1980.

2.3.3 Households

There were an estimated 2,733,500 households in Los Angeles County in 1980 (see Table 2-1). The number of households in the county increased 12.4 percent between 1970 and 1980 compared to a 6.2 percent increase in population. Although the number of households increased during the 1970's, the median size (i.e., the number of persons per household) decreased from 2.83 persons in 1970 to 2.69 in 1980. This is consistent

Figure 2-5



Source: California Department of Finance, Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83 (Sacramento: 1983).

U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population, General Population Characteristics (Washington, D.C.).

with the higher rate of change for households than for population during this period. Smaller households result from such things as fewer children per household, and more single person and single parent households.

Table 2-1 also includes estimates of the number of households and the median household size to the year 2000. Between 1980 and 2000, the number of households in Los Angeles County is projected to increase 16.2 percent (to 3,177,500) compared to a 21.9 percent increase in population. During this same period, the median household size is projected to decrease 2.6 percent, to 2.62 persons in the year 2000.

2.3.4 Migration

Annual net migration (i.e., the excess of in-migration over out-migration) for the period 1970 to 1986 is shown in Table 2-4. Between 1970 and 1980, a net out-migration occurred since natural increase was larger than net migration. Between 1980 and 1986, however, 36.8 percent of the population growth was a result of net migration. The remainder of the population growth was due to natural increase (i.e., the excess of births over deaths).

Further details on in-migration and out-migration are limited to records on changes in driver license addresses. These are used by the California Department of Finance to estimate the population between the ages of 18 and 64 years. While the records on changes in driver license addresses are useful in describing the general migration trends between California and other states and between California counties, they are subject to misinterpretation. Actual moves could be substantially different from the record processing of the address change for drivers licenses. The information represents driver license movers only, not total population. For these reasons, the information has not been included as part of the profile. The information can be obtained, however, from the Department of Finance.

2.3.5 Education

The information on median school years completed shown in Table 2-1 for 1970 and 1980 is from the decennial censuses. These data show an increase in median school years completed in Los Angeles County from 12.4 years in 1970 to 12.7 years in 1980. This information is for persons age 25 years and older.

2.4 Economic Profile

2.4.1 Labor Force

There is no consistent historical data series for civilian labor force. The data shown in Table 2-1 are from the decennial census for 1970 and the California Employment Development Department for 1975 and 1980 through 1985. Both of these sources report employment by place of residence, but use different methodologies and represent different time periods, and therefore are not directly comparable. For this reason, the percent change in civilian employment between 1970 and 1975 was not

Table 2-4

Components of Change in the Population
Los Angeles County, 1970 to 1986

Year	Population		Components of Change			
	Total	Change	Births	Deaths	Natural Increase	Net Migration
1970	7,055,800					
1971	7,092,000	36,200	126,447	62,683	63,764	(27,564)
1972	7,072,100	(19,900)	108,510	62,158	46,352	(66,252)
1973	7,083,800	11,700	105,403	62,019	43,384	(31,684)
1974	7,123,500	39,700	105,151	60,391	44,760	(5,060)
1975	7,190,300	66,800	111,004	60,312	50,692	16,108
1976	7,242,400	52,100	112,720	59,054	53,666	(1,566)
1977	7,256,200	13,800	117,405	57,443	59,962	(46,162)
1978	7,341,600	85,400	118,611	58,424	60,187	25,213
1979	7,387,600	46,000	122,929	59,076	63,853	(17,853)
1980	7,498,200	110,600	129,019	59,264	69,755	40,845
Sources use different figures for 1980						
1980	7,498,800					
1981	7,595,100	96,300	136,270	61,514	74,756	21,544
1982	7,742,700	147,600	138,985	59,369	79,616	67,984
1983	7,888,200	145,500	140,881	59,452	81,429	64,071
1984	7,999,000	110,800	141,560	59,640	81,920	28,880
1985	8,133,200	134,200	151,511	61,843	89,668	44,532
1986	8,292,800	159,600	157,443	62,800	94,643	64,957

Source: California Department of Finance, Estimates of Population of California Counties with Components of Change 1970 to 1980, Report CC 70-80-#2 (Sacramento: July 1986).
California Department of Finance, Total, Military and Civilian Population and Crude Rates, Report E-6A (Sacramento: January 21, 1987).

Note: Negative numbers are expressed in parentheses.

calculated. The data for 1975 and 1980 through 1985 are the average annual figures.

In 1980, the labor force in Los Angeles County was 3,545,000, with an employment rate of 93.4 percent, or an unemployment rate of 6.6 percent (see Table 2-1). For the years shown in Table 2-1, employment in the county was at its highest level (3,721,000) in 1985, the employment rate was highest in 1970 (93.8 percent), and the unemployment rate was highest (9.7 percent) in 1975 and 1983. The decline in the annual unemployment rate in the county from 1983 through 1985 followed the trend in the state and the nation, although the rate remained slightly below the state and the nation during this time (see Figure 2-6).

The employment participation ratio is the employed civilian population age 16 and over as a percent of the civilian noninstitutional population age 16 and over. The 1970 and 1980 employment participation ratios were calculated using data from the decennial censuses. (The 1980 employment data in Table 2-1 are from the California Economic Development Department and not from the decennial census. Thus calculating the employment participation ratio using the data in Table 2-1 will yield a different ratio than the one presented.) The 1975 ratio was estimated as the midpoint between the census years. The employment participation ratio increased from 60.1 percent in 1970 to 64.7 percent in 1980. The 1980 employment participation ratio was higher in the county than in the state (61.0 percent) and the nation (63.8 percent) during the same year.

Information on employment by occupation in Los Angeles County is presented for 1970 and 1980 in Table 2-5 and Figures 2-7 and 2-8. Of the 3,471,764 employed persons in the county in 1980, 32.8 percent were in technical, sales and administrative occupations, 24.6 percent were classified as managers and professionals, 17.4 percent were operators, fabricators and laborers, 12.2 percent were involved in precision production, craft or repair operations, 11.8 percent were in service occupations, and 1.1 percent were classified as farming, forestry, and fishing occupations. The total number of employed persons in the county reported in Table 2-5 differs from the total number of employed persons presented in Table 2-1. These data come from different tables in the Census of Population.

Employment by occupation classifications was only collected for the decennial census years of 1970 and 1980. The 1970 and 1980 data are presented using different occupational classifications and are not comparable. During this period significant revisions were made by the Bureau of the Census in the occupational classifications used. Occupation descriptions for both years are included in the Table 2-5.

Projections of employment by occupation for 1990 are presented in Table DS 2-4. These projections, as well as the 1980 employment by occupation shown in Table DS 2-4, were prepared by the California Economic Development Department. The 1970 and 1980 employment by occupation shown in Table 2-5 is from the decennial censuses prepared by the Bureau of the Census. Because the information presented in the two tables comes from different sources, the data are not comparable. The anticipated growth rate between 1980 and 1990 for all occupations taken together is 15.3 percent.

Figure 2-6

Source: California Employment Development Department, Annual Planning Information 1986-1987 (Sacramento: 1986).

U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States (Washington, D.C.: 1987).

Table 2-5

Employment by Occupation in Los Angeles County: 1970 and 1980

1970

Occupation	Number	Percent
Total Employed, 16 Years Old and Older	2,826,565	100.0
Professional, Technical, Kindred Workers	481,963	17.1
Engineers	71,068	2.5
Physicians, Dentists, Related Practitioners	22,356	0.8
Health Workers, Except Practitioners	46,206	1.6
Teachers, Elementary and Secondary Schools	77,527	2.7
Technicians, Except Health	40,537	1.4
Other Professional Workers	224,269	7.9
Managers and Administrators, Except Farm	259,663	9.2
Salaried: Manufacturing	49,650	1.8
Salaried: Retail Trade	42,445	1.5
Salaried: Other Industries	102,895	3.6
Self-employed: Retail Trade	18,575	0.7
Self-employed: Other Industries	28,098	1.0
Sales Workers	220,587	7.8
Retail Trade	112,548	4.0
Other Than Retail Trade	108,039	3.8
Clerical and Kindred Workers	599,373	21.2
Craftsmen, Foremen, Kindred Workers	362,744	12.8
Automobile Mechanics, Body Repairmen	31,985	1.1
Mechanics and Repairmen, Except Automobile	54,411	1.9
Metal Craftsmen, Except Mechanics	44,759	1.6
Construction Craftsmen	76,705	2.7
Other Craftsmen	154,884	5.5

1980

Occupation	Number	Percent
Employed Persons 16 Years and Older	3,471,764	100.0
Managerial and Professional Specialty Occupations	854,826	24.6
Executive, Administrative, Managerial	408,969	11.8
Officials and Administrators, Public Administration	6,139	0.2
Management Related Occupations	112,476	3.2
Professional Specialty Occupations	445,857	12.8
Engineers and Natural Scientists	93,757	2.7
Engineers	67,633	1.9
Health Diagnosing Occupations	27,435	0.8
Health Assessment and Treating Occupations	54,799	1.6
Teachers, Librarians, Counselors	129,895	3.7
Teachers, Elementary and Secondary Schools	88,301	2.5
Technical, Sales, Administrative Support Occupations	1,140,099	32.8
Health Technologists and Technicians	32,540	0.9
Technologists and Technicians, Except Health	74,962	2.2
Sales Occupations	347,100	10.0
Supervisors and Proprietors	50,437	1.5
Sales Representatives, Commodities and Finance	124,732	3.6
Other Sales Occupations	171,931	5.0
Cashiers	55,554	1.6
Administrative Support, Including Clerical	685,497	19.7
Computer Equipment Operators	18,207	0.5
Secretaries, Stenographers, Typists	167,148	4.8
Financial Records Processing Occupations	84,367	2.4
Mail and Message Distributing Occupations	29,807	0.9
Service Occupations	410,560	11.8

Table 2-5 (Cont.)

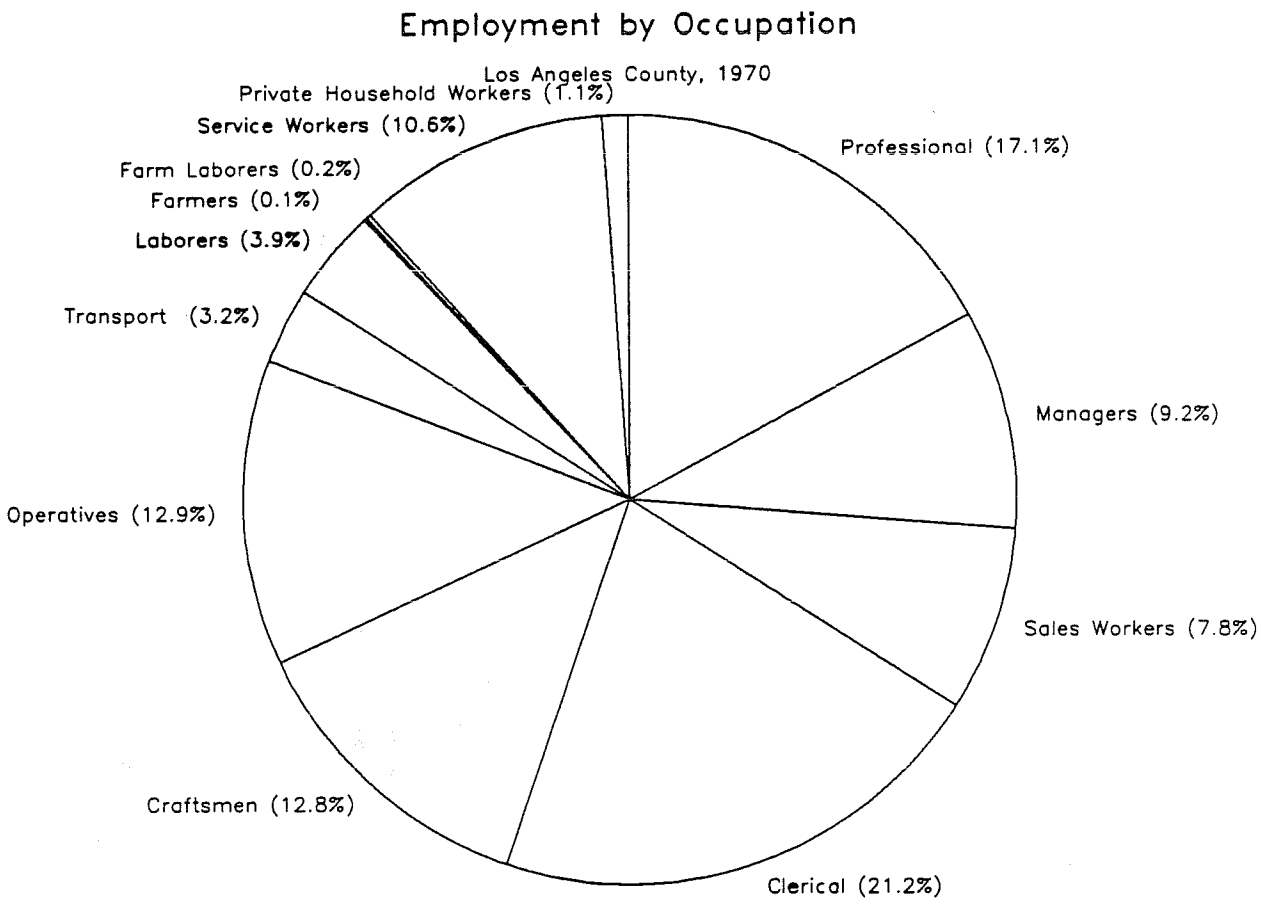
Employment by Occupation in Los Angeles County: 1970 and 1980

1970 Occupation	Number	Percent
Operatives, Except Transport	363,815	12.9
Durable Goods Manufacturing	182,074	6.4
Nondurable Goods Manufacturing	91,900	3.3
Nonmanufacturing Industries	89,841	3.2
Transport Equipment Operatives	89,805	3.2
Laborers, Except Farm	110,209	3.9
Construction Laborers	15,005	0.5
Freight, Stock, Material Handlers	48,265	1.7
Other Laborers, Except Farm	46,939	1.7
Farmers and Farm Managers	2,614	0.1
Farm Laborers and Farm Foremen	5,546	0.2
Service Workers, Except Private Household	298,518	10.6
Cleaning Service Workers	55,822	2.0
Food Service Workers	96,193	3.4
Health Service Workers	39,900	1.4
Personal Service Workers	47,254	1.7
Protective Service Workers	35,359	1.3
Private Household Workers	31,728	1.1

1980 Occupation	Number	Percent
Private Household Occupations	26,679	0.8
Protective Service Occupations	44,667	1.3
Police and Firefighters	15,542	0.4
Service Occupations, Except Protective and Household	339,214	9.8
Food Service Occupations	138,902	4.0
Cleaning and Building Service Occupations	80,920	2.3
Farming, Forestry, Fishing Occupations	38,002	1.1
Farm Operators and Managers	2,744	0.1
Farm Workers and Related Occupations	33,706	1.0
Precision Production, Craft, Repair Occupations	423,665	12.2
Mechanics and Repairers	119,449	3.4
Construction Trades	122,054	3.5
Precision Production Occupations	180,667	5.2
Operators, Fabricators, Laborers	604,612	17.4
Machine Operators and Tenders, Except Precision	223,430	6.4
Fabricators, Assemblers, Inspectors, Samplers	117,541	3.4
Transportation Occupations	98,673	2.8
Motor Vehicle Operators	95,170	2.7
Material Moving Equipment Operators	21,739	0.6
Handlers, Equipment Cleaners, Helpers, Laborers	143,229	4.1
Construction Laborers	18,511	0.5
Freight, Stock, Material Handlers	40,706	1.2

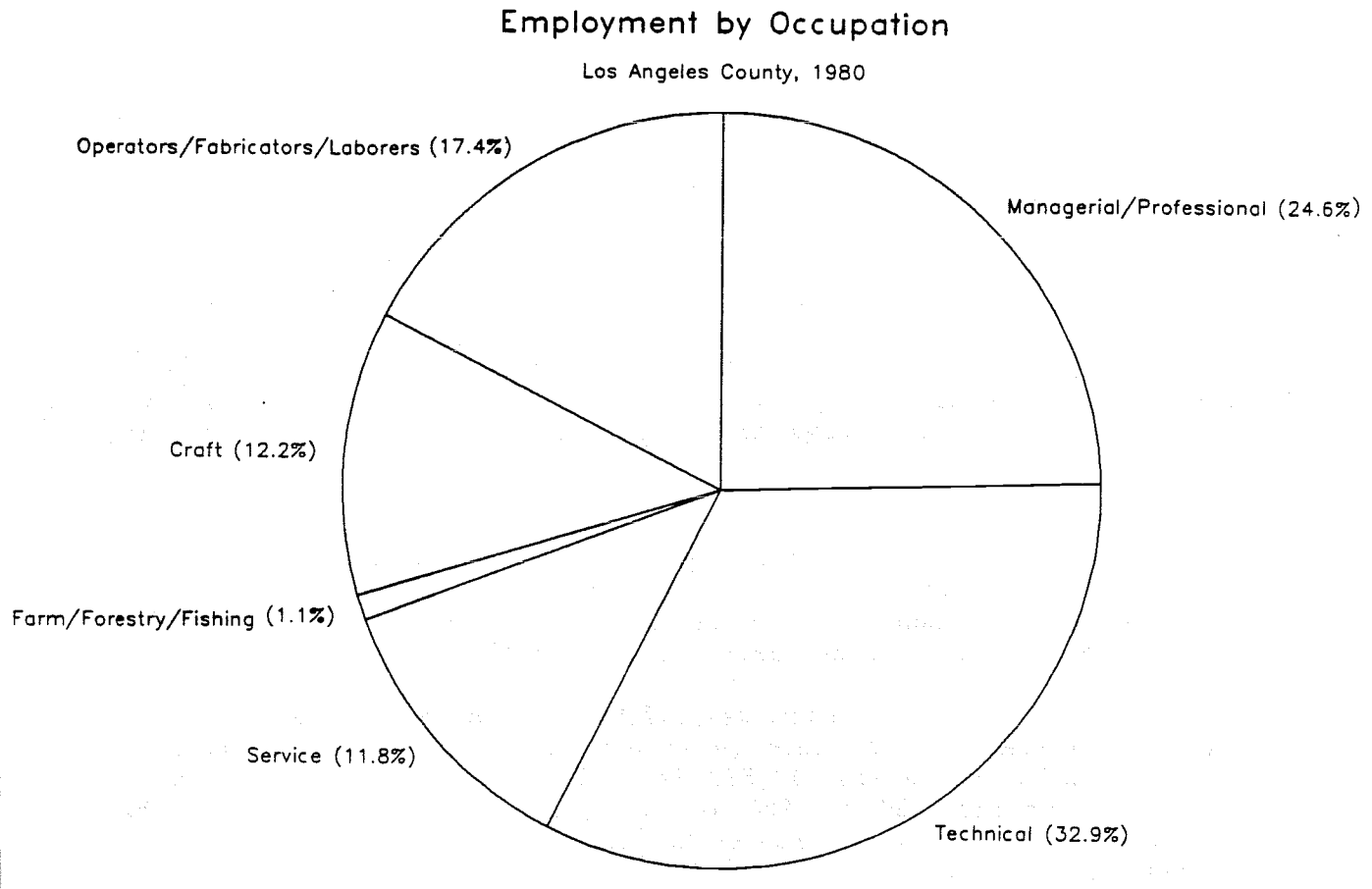
Source: U.S. Deparment of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, Characteristics of the Population, part 6.
U.S. Deparment of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, Characteristics of the Population, part 6.

Figure 2-7



Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol 1, General Population Charactersitics, part 6.

Figure 2-8



Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol 1, General Population Charactersitics, part 6.

2.4.2 Income

Total personal income is presented in Table 2-1 for 1970, 1975, and 1980 through 1984. Total personal income includes all income received by residents of the county and consists of wages and salaries, other labor income, government transfer payments, dividends, interest and rent, and proprietor's income. These data are specifically adjusted to reflect wages and salaries by place of residence rather than place of employment.

Total personal income in 1980 was $110,664.4 million or $14,767 per capita. (The GNP Implicit Price Deflator was used to inflate all dollar figures in this report, including all tables, to 1986 dollars.) This was 95.8 percent of per capita income in California and 112.0 percent of the national per capita income in 1980. Total personal income in the county increased 9.9 percent to $121,655.8 million in 1984, with a concomitant increase in per capita income to $15,209 (or 3.0 percent more than in 1980).

In 1980, total earnings (consisting of wages and salaries, other labor income, and proprietor's income) by place of residence was $78,316.4 million in Los Angeles County (see Table DS 2-5). This amounted to 70.8 percent of total personal income in the county, compared to a ratio of 69.5 percent for the state and 69.8 percent for the nation.

In 1980, median household income was $17,044 in Los Angeles County. This is less than that of the state (93.2 percent of state median income). Median household income was $17,589 in 1984. This was 3.2 percent more than 1980. For the 1980 to 1984 period, median household income in the state grew by 0.02 percent. Median household income for the years 1975, and 1980 through 1984 are presented in Table 2-1.

2.4.3 Industry Characteristics

The industry characteristics of the county are assessed by Standard Industrial Classification (SIC) in terms of (1) total income and earnings, (2) payroll by industry, (3) value of product, capital expenditure, and value added by manufacturer, (4) employment by industry, and (5) number of establishments by industry. Except for earnings, farming activity is not included in this analysis. However, some farming data are presented separately. All data relating to industry characteristics are presented in the data supplement (Tables DS 2-5, DS 2-6, DS 2-7, DS 2-8, DS 2-9, and DS 2-10). These data are all organized by two digit SIC code. Industry characteristics are provided by three and four digit SIC for the following oil and gas related economic sectors: SIC 131 (crude petroleum and natural gas extraction), SIC 132 (natural gas liquids extraction), SIC 138 (oil and gas field services), SIC 1381 (drilling oil and gas wells), SIC 1382 (oil and gas field exploration), SIC 291 (petroleum refining), SIC 295 (paving and roofing materials), and SIC 299 (miscellaneous oil and gas products). Because these data are presented by SIC, they are extremely lengthy and have, therefore, been placed in the data supplement.

The industry characteristics are designed to provide an overview of the public and private activities which make up the economy of Los Angeles

County. All of these data reflect local economic activity by place of work or location of establishment.

Total earnings (which includes wages and salaries, other labor income, and proprietor's income) in the county by place of employment was $93,704.0 million in 1980. The residence adjustment to earnings by place of work used to derive earnings by place of residence is positive, indicating a net inflow of earnings due to workers commuting outside the county to their place of work.

In 1980, farm earnings comprised 0.2 percent of total earnings in the county and in 1984 it was 0.2 percent of total earnings. In 1980, the largest economic sector in terms of generating earnings in the county was manufacturing which contributed $25,452.1 million in earnings (or 27.2 percent of total earnings) to the county's economy. Other major sectors in terms of generating earnings in 1980 were service industries ($21,578.5 million, or 23.0 percent), government ($11,322.3 million, or 12.1 percent), retail trade ($8,813.2 million, or 9.4 percent), and the wholesale trade sector ($7,843.1 million, or 8.4 percent). No other business sector provided more than 8 percent of total local earnings in 1980. In 1984, the manufacturing sector again generated the most earnings (26.0 percent of the county total), followed by service industries (25.6 percent) and government (11.8 percent). By 2015, it is projected that service industries will contribute the most earnings in the county (29.8 percent), followed by manufacturing (26.6 percent) and government (10.3 percent). Total earnings by industry data are presented in Table DS 2-5 for 1970, 1975, and 1980 through 1984, with projections to 2015.

Payroll in the county by two digit SIC code is presented for the years 1970, 1975, and 1980 through 1984 in Table DS 2-6. Payroll data are from the Bureau of the Census' County Business Patterns while earnings and income data are from the Bureau of Economic Analysis. Thus the information in Tables DS 2-5 and DS 2-6 is not directly comparable. Also, no information is shown for the government and railroad sectors since no consistent source is available. In 1980, the total payroll income in the county for the industrial sectors shown was $66,054.0 million. The major generator of payroll income was the manufacturing sector ($22,077.8 million, or 33.4 percent). Other sectors with relatively large payrolls in Los Angeles County were service industries ($15,623.1 million, or 23.7 percent), retail trade ($6,918.1 million, or 10.5 percent), and wholesale trade ($6,125.1 million, or 9.3 percent). No other sector provided more than 9 percent of payroll in the county. In 1984, manufacturing was again the largest contributor to payroll (30.9 percent of the county), followed by service industries (26.7 percent) and retail trade (10.5 percent). For the industries shown, total annual payroll for the county fluctuated throughout the period 1980 to 1984, rising to $70,740.2 million in 1984, which was 7.1 percent more than in 1980.

Data for the value of products, capital expenditures and value added are only available from the individual business censuses. These data exclude government and businesses involved in the transportation and public utilities, farming, and finance sectors of the economy. Farming is the only one of these three omitted sectors for which the foregoing data can

be obtained from an alternative source. A summary table of these measures for farming activity is presented in Table DS 2-10 and is discussed separately below. The data for all other sectors can be found in Table DS 2-7. The appearance of an "NA" in this table signifies that the level of activity in that sector of the county's economy fell below the cut off established by the Bureau of the Census for reporting information. Data for 1980 are not available. Consequently, the 1980 data shown in Table DS 2-7 are estimated by interpolation from the 1977 and 1982 economic censuses.

For the industrial sectors shown, the wholesale trade sector had the highest value of product (i.e., sales) in the county in 1980 which totaled $107,550.9 million (see Table DS 2-7). Capital expenditures by the wholesale trade sector in 1980 totaled $1,240.0 million. In 1982, wholesale trade sales were $113,931.1 million, with capital expenditures of $1,367.2 million.

The manufacturing sector also demonstrated substantial economic activity, with a 1980 value of product of $94,463.8 million and capital expenditures of $2,767.2 million. In 1982, manufacturing sales amounted to $98,364.3 million, and capital expenditures were $3,565.5 million.

The retail trade sector experienced sales of $42,662.1 million in 1980. Its capital expenditures totaled $853.4 million. By 1982, retail trade sales totaled $42,820.9 million and capital expenditures were $899.2 million.

The service sector added $26,083.1 million in sales to the county's economy in 1980. Its capital expenditures totaled $1,915.7 million. By 1982, service industries sales reached $33,333.0 million, with capital expenditures of $2,400.0 million.

Contract construction had a value of product of $9,340.7 million in 1980, with capital expenditures of $256.3 million. In 1982, construction sales totaled $8,218.4 million, and capital expenditures were $183.5 million.

Mining industries had sales of $1,632.9 million in 1980, with capital expenditures of $256.7 million. By 1982, sales by mining industries in the county totaled $2,295.7 million, with capital expenditures of $345.5 million.

Total employment by industry (excluding farms and timber harvesting) is presented in Table DS 2-8 by two digit SIC code for the years 1970, 1975, and 1980 through 1984. These data were derived primarily from the Bureau of the Census' County Business Patterns and supplemented, when necessary, by several additional sources. These data differ from total employment figures collected in the 1980 Census of Population. Employment by industry is organized by place of work in County Business Patterns while the 1980 Census is compiled by place of residence. The number of employees by SIC group should be used primarily for establishing the relative significance of various business sectors in the county and not for determining aggregate employment of county residents. While total county employment reflects the number of jobs in the county's economy, employment by SIC code are not available for some segments as this could cause disclosure of the operations of individual establishments.

Therefore, the most meaningful comparisons are made at the one digit SIC level.

Excluding farms and timber harvesting, a total of 3,667,478 employees are shown in Los Angeles County for 1980. The major sectors providing employment in 1980 were manufacturing with a total of 964,761 employees (26.3 percent), service industries with 815,283 employees (22.2 percent), retail trade with 532,703 employees (14.5 percent), and government with 482,900 employees (13.2 percent). No other sector provided more than 7 percent of total employment. In 1984, 3,733,479 employees are shown, or an increase of 1.8 percent over 1980. Service industries was the largest employer in 1984 (24.8 percent of the county total), followed by manufacturing (23.7 percent) and retail trade (14.9 percent).

In 1980, there were a total of 165,362 private business establishments (excluding farms) in Los Angeles County. Of these, 53,651 (32.4 percent) were service industry establishments, 36,433 (22.0 percent) retail trade establishments, 18,509 (11.2 percent) manufacturing establishments, and 16,359 (9.9 percent) finance, insurance, and real estate establishments. No other sector provided more than 9 percent of establishments in the county. Data on the number of establishments are presented for Los Angeles County for the years 1970, 1975, and 1980 through 1984 in Table DS 2-9.

Mining represented only a small portion of the economic activity in the county. In 1980, employment in the mining sector was 9,207 (or 0.3 percent of the county total) and in 1984 equalled 22,890 (or had increased to 0.6 percent of county employment). There were 264 mining establishments in the county in 1980, representing 0.2 percent of total county establishments. In 1984, the number of mining establishments rose to 317 (still 0.2 percent of the county total). Payroll generated by mining industries equalled $315.9 million in 1980 and $320.3 million in 1984 (0.5 percent of county payroll in both years).

The previous industry profiles excluded agricultural statistics relating to individual farms. These enterprises represent an important level of activity and are presented in the data supplement. Agricultural statistics are presented in Table DS 2-10 for 1978, 1980, and 1982 and consist of the number of farms, hired farm workers, and farm payroll. Value of product information is included for these years as well as 1984 and 1985. Data for 1978 and 1982 are from agricultural censuses. Data for 1980, however, are unavailable and have been estimated by averaging the 1978 and 1982 data for each indicator shown in Table DS 2-10.

In 1980, there were an estimated 2,142 farms in the county. These farms employed 9,308 (seasonal, part-time, and full-time) hired farm workers, generating a payroll of $59.7 million. In 1980, the sales of these farms totaled $274.6 million. Farm sales of $136.1 million were classified as horticulture specialties, and $36.2 million in livestock. Primary commodities are itemized in the data supplement for crops with at least $10 million in sales for 1984 or 1985. These data are taken from the County Crop Report. The major commodity in Los Angeles County is ornamental trees and shrubs, with 1984 sales of $136.2 million in 1986 dollars. Other major crops include bedding plants (with 1984 sales of

$20.7 million), indoor foliage plants ($15.7 million), and horses ($12.4 million).

2.5 Housing Profile

In 1980, there were an estimated 2,855,555 housing units in Los Angeles County (see Table 2-1). This is an increase of 12.5 percent from the estimated 1970 housing stock of 2,537,578 units. The composition of the housing stock in 1980 was as follows: 56.2 percent single family units, 42.2 percent multi-family units, and 1.6 percent mobile homes. The vacancy rate in 1980 was 4.4 percent (see Table DS 2-11). It should be noted that the number of vacant units may include some units held for occasional use. About 48.5 percent of the occupied units in both 1970 and 1980 were owner occupied (see Table 2-1). Characteristics of the Los Angeles County housing stock from 1975 to 1986 are included in Table DS 2-11 of the data supplement.

The number of seasonal housing units increased from 603 to 2,125 (252.4 percent) between 1970 and 1980 (the only years for which these data are available). The large increase in seasonal units may be partially due to a change in the Bureau of the Census definition of seasonal units rather than such a large increase in the number of units involved. Seasonal units are intended for use only during certain times of the year and include units intended for recreational use such as beach houses and hunting cabins. In 1980, units offered to vacationers in the summer or winter in connection with seasonal sports were included in the definition. These units were not included in the 1970 definition of seasonal housing.

Temporary accommodations include campsites and hotel/motel rooms. According to an inventory of camping facilities in California prepared by the Automobile Club of Southern California, in 1986 there were over 2,200 campsites in 69 campgrounds in the county. The campgrounds are operated by the National Forest Service and by private groups. Twenty-two of the campgrounds which include about 60.0 percent of the campsites are open on a year-round basis. The inventory of facilities in the county is included in Table DS 2-12 of the data supplement. The number of hotel/motel rooms in the county in 1985 was estimated at about 48,925. This is based on a study of hotel/motel facilities prepared by the accounting firm Pannell Kerr Forster for the California Office of Tourism.

2.6 Public Services and Facilities Profile

2.6.1 Police Protection

Police protection in Los Angeles County is provided by the county Sheriff's Department in 36 cities and in the unincorporated area, and by 47 city police departments. The number of sworn officers serving each city and the unincorporated area of the county in 1985 is shown in Table 2-6. The number of sworn officers per 1,000 residents in the county in 1985 was 2.30, compared to 2.29 sworn officers per 1,000 residents for the state. A list of agencies providing police protection in Los Angeles County is provided in the data supplement (see Table DS 2-13).

Table 2-6

Sworn Police Officers and Sheriff's Deputies
Los Angeles County, 1985

City/Area	Population	Number of Sworn Officers: Police or Public Safety	Number of Sworn Officers: County Sheriff	Number of Sworn Officers: Per 1,000 Residents
Agoura Hills	16,150		15.64 (a)	0.97
Alhambra	70,300	92		1.31
Arcadia	48,000	71		1.48
Artesia	14,700		6.88 (a)	0.47
Avalon	2,340		4.30 (a)	1.84
Azusa	34,750	55		1.58
Baldwin Park	58,000	63		1.09
Bell	27,350	42		1.54
Bellflower	57,000		31.31 (a)	0.55
Bell Gardens	36,550	41		1.12
Beverly Hills	33,650	123		3.66
Bradbury	880		0.58 (a)	0.66
Burbank	88,200	133		1.51
Carson	86,100		62.07 (a)	0.72
Cerritos	56,200		37.66 (a)	0.67
Claremont	34,700	40		1.15
Commerce	12,000		32.08 (a)	2.67
Compton	88,200	141		1.60
Covina	40,150	53		1.32
Cudahy	19,700	(b)		0.00
Culver City	39,250	102		2.60
Downey	84,400	107		1.27
Duarte	19,950		14.12 (a)	0.71
El Monte	90,400	106		1.17
El Segundo	14,700	61		4.15
Gardena	48,500	86		1.77
Glendale	150,200	177		1.18
Glendora	40,700	47		1.15
Hawaiian Gardens	11,500		7.62 (a)	0.66
Hawthorne	59,200	78		1.32
Hermosa Beach	18,750	34		1.81
Hidden Hills	1,870		0.88 (a)	0.47
Huntington Park	50,200	60		1.20
Industry	720		22.45 (a)	31.18
Inglewood	99,800	185		1.85
Irwindale	1,050	16		15.24
La Canada Flintridge	20,350		14.49 (a)	0.71
La Habra Heights	5,100		4.97 (a)	0.97
Lakewood	75,700		38.20 (a)	0.50
La Mirada	41,550		30.95 (a)	0.74
Lancaster	56,200		39.38 (a)	0.70
La Puente	32,600		21.40 (a)	0.66
La Verne	26,800	35		1.31

Table 2-6 (Cont.)

Sworn Police Officers and Sheriff's Deputies
Los Angeles County, 1985

City/Area	Population	Number of Sworn Officers: Police or Public Safety	Number of Sworn Officers: County Sheriff	Number of Sworn Officers: Per 1,000 Residents
Lawndale	25,500		16.69 (a)	0.65
Lomita	19,550		12.59 (a)	0.64
Long Beach	385,300	633		1.64
Los Angeles	3,173,000	7,000		2.21
Lynwood	52,400		40.81 (a)	0.78
Manahattan Beach	34,200	58		1.70
Maywood	23,650	22		0.93
Monrovia	32,350	49		1.51
Montebello	57,400	75		1.31
Monterey Park	59,800	72		1.20
Norwalk	87,100		55.49 (a)	0.64
Palmdale	20,200		23.08 (a)	1.14
Palos Verdes Estates	14,700	22		1.50
Paramount	40,100		28.66 (a)	0.71
Pasadena	127,800	200		1.56
Pico Rivera	57,400		37.33 (a)	0.65
Pomona	109,200	149		1.36
Rancho Palos Verdes	44,850		18.47 (a)	0.41
Redondo Beach	62,500	99		1.58
Rolling Hills	2,090		1.04 (a)	0.50
Rolling Hills Estates	7,775		7.62 (a)	0.98
Rosemead	45,850		37.01 (a)	0.81
San Dimas	27,650		21.64 (a)	0.78
San Fernando	19,250	32		1.66
San Gabriel	32,050	49		1.53
San Marino	13,700	27		1.97
Sante Fe Springs	15,050		34.81 (a)	2.31
Santa Monica	94,000	152		1.62
Sierra Madre	10,900	13		1.19
Signal Hill	7,625	28		3.67
South El Monte	18,450		21.36 (a)	1.16
South Gate	75,500	91		1.21
South Pasadena	23,750	30		1.26
Temple City	31,000		15.17 (a)	0.49
Torrance	136,300	234		1.72
Vernon	80	47		587.50
Walnut	17,950		12.15 (a)	0.68
West Covina	89,900	109		1.21
West Hollywood	37,600		97.39 (a)	2.59
Westlake Village	6,875		8.96 (a)	1.30
Whittier	71,100	85		1.20
Unincorporated	1,001,945		6368.00	6.36

Table 2-6 (Cont.)

Sworn Police Officers and Sheriff's Deputies
Los Angeles County, 1985

City/Area	Population	Number of Sworn Officers: Police or Public Safety	Number of Sworn Officers: County Sheriff	Number of Sworn Officers: Per 1,000 Residents
Total	8,027,800	11,224	7243.25	2.30

Source: Commission on Peace Officer Standards and Training, Employment Data for California Law Enforcement (Sacramento: 1986). Personal communication with the Los Angeles County Sheriff's Department, 1987.

(a) - These 36 cities contract with the Los Angeles County Sheriff's Department for police services. These numbers represent direct labor positions accounted for in police service minutes.

(b) - The city of Cudahy contracts with the Bell Police Department for one full-time officer 60 percent of the time and two full-time officers 40 percent of the time.

2.6.2 Fire Protection

Fire protection in Los Angeles County is provided by 56 fire departments and/or districts, and other community service districts. A list of these agencies is included in the data supplement (see Table DS 2-13). The number of fire fighters in Los Angeles County in 1986 is shown in Table 2-7. The number of fire fighters per 1,000 residents was 1.06. Similar information on fire fighters per 1,000 residents for the state is not available.

2.6.3 Water Supply

Imported water and groundwater are the sources of water in Los Angeles County. About one-third of the water used in the Los Angeles Basin (the coastal plain and the San Gabriel and San Fernando Valleys) comes from local ground water and runoff from the Angeles National Forest. The remainder of county water is imported by three public agencies: the Los Angeles Department of Water and Power, the Metropolitan Water District of Southern California (MWD), and the California Department of Water Resources.

The Los Angeles City Department of Water and Power imports water from the Owens Valley and Mono Basin. The water imported through the Owens-Mono aqueducts originates primarily from the snowpack on the eastern slopes of the Sierra Nevada mountains. This project serves the city of Los Angeles with an average of 470,000 acre-feet (af) of water per year. An acre-foot is the volume of water needed to cover 1 acre to the depth of 1 foot. No major increases from this system are expected since the city is attempting to protect its existing rights to the Owens-Mono supplies from legal challenges over environmental concerns (Orange County Environmental Management Agency, 1985).

MWD imports water from the Colorado River Project. (The counties of San Diego and Orange also import water through MWD). The project begins at Lake Havasu on the Colorado River and ends at its terminal reservoir, Lake Mathews in Riverside County. From there, water enters MWD's distribution system and is delivered throughout much of the coastal plain. MWD's entitlement to water from the river was reduced under the 1963 U.S. Supreme Court decision in Arizona v. California, and subsequent legal claims from Indian tribes along the Colorado River. When the Central Arizona Project (a major water system to serve the Phoenix-Tucson area) becomes fully operational (expected by 1990), MWD will lose more than 50 percent of its current entitlement. This entitlement will change from 1.2 million af per year to 550,000 af per year. Four California authorities hold claims to Colorado River water -- MWD and three irrigation districts -- but because of the system of priorities developed by the state Department of Water Resources, MWD took the full reduction in California's entitlement. However, because of surplus flows on the river, MWD has been able to take 1.2 million af of water annually since 1963, and foresees the same amount in both 1987 and 1988 (Bob Gomperz, Metropolitan Water District of Southern California, personal communication, 1987).

Water authorities in seven states have entitlement to Colorado River water. Rights to the water are oversubscribed based on historical water

Table 2-7

Fire Fighters, Los Angeles County, 1986

Rank	Paid	Part-Paid	Volunteer(a)	Auxiliary(b)	Total	Per 1,000 Residents
Fire Chief	48	0	1	0	49	0.01
Chief Fire Officers	325	0	5	0	330	0.04
Fire Officers (Captains-Lieutenants)	1,641	0	23	28	1,692	0.21
Fire Apparatus Engineers	1,877	0	21		1,898	0.24
Fire Fighters	4,074	32	74	521	4,701	0.59
Total	7,965	32	124	549	8,670	1.06 (c)

Source: State of California, Office of Emergency Services, Fire and Rescue Division, Operational Area Inventory (Sacramento: 1986).

(a) - Volunteer fire fighters respond only to fires.

(b) - Auxiliary fire fighters respond only to disasters.

(c) - Based on Department of Finance estimate of county population (8,155,300) as of January 1, 1986.

flow. Not all projects, however, are currently fully on-line. MWD expects to continue taking its current level of water indefinitely unless lower than normal volumes of water occur on the river for several consecutive years. Should this dry period happen, MWD foresees several possible options:

- Increased dependence on State Water Project facilities. The State Water Project authorized the development and diversion of water from the Feather River complex (Lake Oronville in northern California) through a Sacramento-San Joaquin Delta facility and southern delivery aqueduct. Designed to be completed in stages, the project is currently capable of delivering only about half of planned capacity. (The completion date of this project is uncertain due to construction and funding delays.)

- Negotiations with the three California irrigation agencies with entitlement to Colorado River water. One suggestion is to finance conservation efforts in their aging aqueduct system in return for use of any "saved" water.

- Compensation of farmers for not planting crops in dry years in return for the use of water no longer needed for irrigation.

- Petition the Secretary of the Interior for excess extraction of water from the river (Bob Gomperz, Metropolitan Water District of Southern California, personal communication, 1987).

The California Department of Water Resources also imports water from northern California into Los Angeles County. In addition to the 3 primary water importers, there are 13 other minor public and private wholesalers supplying Los Angeles, distributing water to 228 retail agencies (Los Angeles County Department of Regional Planning, 1982).

MWD projects an adequate water supply in Los Angeles County through the year 2000. This assumes that water will continue to be imported from the Owens-Mono system, the Colorado River will continue to provide water although at less than half the rate now available, surface and ground water remain at their present levels, the State Water Project meets its contractual obligations to MWD, and conservation, reclamation, and aquifer storage expand. However, MWD foresees possible water supply shortages due to uncertainties in the timing and quantity of deliveries from the State Water Project, possible decreases in the allowable import from the Owens-Mono system, uncertainty of the final allocation of Colorado River entitlement, and possible increased costs of pumping and transporting imported water (Los Angeles County Department of Regional Planning, 1982).

The water usage profile for the county focuses on the "large" water systems with the relative role of "small" and "other" water systems noted in the text. Limiting the discussion to large water systems is appropriate for use in socioeconomic impact analysis since it is primarily these systems which directly constrain or are affected by induced development.

The 118 large water systems serving Los Angeles County as well as the geographic area and population served, ownership of the system, sources of water, and number of service connections are shown in Table 2-8. Large water systems are systems which have more than 200 service connections. These water systems are regulated by the California Department of Health Services. In 1986 in Los Angeles County, over 94.0 percent of the population and all population in the cities were served by local large water systems. (This is based on the July 1986 population estimate shown in Table 2-1 and the estimate of population served by the large water systems in the county at the end of 1986. The population served figure listed in Table 2-8 is different from the county population estimate given in Table 2-1. This is due to different sources of information, different methods of estimation, or double counting of residents and transients.)

In addition to the large water systems which serve settled areas, there are state large water systems which serve state parks and campgrounds. A list of these is provided in Table DS 2-14 in the data supplement.

Small water systems are systems which have between 5 and 199 service connections and are regulated by the county health department. Other water systems are those which have fewer than five service connections, and non-community water systems are those systems which serve primarily transients. These systems are not regulated by either the state or county health departments. In Los Angeles County less than 6 percent of the population was served by small and other water systems in 1986. These systems, of which there are approximately 375, are located in the rural portions of the county and obtain water from ground water sources (Cal Miller, Los Angeles County Department of Environmental Health, personal communication, 1987).

2.6.4 Sewage Treatment

Sewage treatment facilities in operation in Los Angeles County in 1984 and 1986 and planned for the year 2000 are shown in Table 2-9. Current flow through, design capacity, and planned capacity in 2000 are also shown in this table. Flow through refers to the amount of sewage which is processed by the facility and is measured in million gallons per day (MGD). It should be noted that excess sewage treatment capacity in one area is usually not available for use by other areas. The inventory of facilities shown in Table 2-9 is from the U.S. Environmental Protection Agency's survey of publicly owned municipal wastewater treatment plants. In addition to sewage treatment facilities, private onsite facilities such as septic tanks and leach field systems are used in some parts, generally in the non-urban areas, of the county (Los Angeles County Planning and Building Services Department, 1986).

According to the EPA survey, there are 27 sewage treatment facilities serving Los Angeles County. Of the 27 existing sewage treatment facilities included in the EPA 1986 survey, 3 were operating at 100 percent or more of capacity. One of these facilities shows plans to increase capacity by 2000, while another of these facilities shows plans to decrease capacity by 2000. Five additional facilities show plans to increase capacity by 2000, and one additional facility shows plans to decrease capacity by 2000. There is one sewage treatment facility which

Table 2-8

Local Large Water Systems, Los Angeles County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Service Connections
Alhambra City	Alhambra	Municipal	Wells and Purchased	69,500	15,775
Amarillo Municipal Water Co	Rosemead	Mutual	Wells	3,000	559
Antelope Valley E. Kern Water Association	Antelope Valley-East Kern	District	Purchased	0 (b)	39
Antelope Valley Water Company	Lake Hughes	Private	Wells	600	190
Antelope Valley Water Company	Lancaster	Private	Wells	1,000	394
Antelope Valley Water Company	Leona Valley	Private	Wells, Spring and Purchased	1,000	340
Arcadia-City Water Division	Arcadia	Municipal	Wells and Purchased	48,120	12,908
Averydale Mutual Water Company	Lancaster Northeast	Mutual	Wells	750	219
Azusa Valley Water Company	Azusa	Private	Wells	50,000	14,234
Azusa Water Department	Azusa	Municipal	Wells	30,000	5,819
Bellflower City	Bellflower	District	Purchased	0 (b)	16,064
Bellflower Home Garden Water Co	Bellflower	Mutual	Wells	4,000	278
Bellflower Water Company	Bellflower	Mutual	Wells and Purchased	12,040	2,408
Beverly Hills City	Beverly Hills	Municipal	Purchased	41,539	10,510
Brierwood Mobile Home Estates	Brierwood Mobile Home Pk			600	290
Burbank Public Service Dept	Burbank	Municipal	Wells and Purchased	85,000	26,097
California Domestic Water Co	Whittier & Wholesale	Mutual	Wells	2,180 (b)	657
California Water Service Co	Palos Verdes	Private	Purchased	94,300	22,605
California Water Service Co	East Los Angeles	Private	Wells and Purchased	86,800	25,626
California Water Service Co	City of Commerce	Private	Wells and Purchased	1,885	877
California Water Service Co	Hermosa Redondo	Private	Wells and Purchased	114,500	23,265
California-American Water Co	Duarte	Private	Wells and Spring	23,337	6,814
California-American Water Co	San Marino	Private	Wells and Purchased	47,780	13,697
California-American Water Co	Baldwin Hills	Private	Wells and Purchased	25,593	6,101
Castaic Water Agency	Santa Clarita Valley	District	Purchased	0 (b)	3
Cerritos MWD	Cerritos	Municipal	Wells and Purchased	55,650	14,445
City of Industry Waterworks	La Puente	Municipal	Wells and Purchased	1,700	1,601
Compton MWD	Compton City	Municipal	Wells	61,000	14,751

Table 2-8 (Cont.)

Local Large Water Systems, Los Angeles County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Service Connections
County Water Company	Norwalk, No Art System	Private	Wells	4,845	1,615
County Water Company	Artesia, So Sub System	Private	Wells and Purchased	864	288
County Water Company	Bellflower/Bellflower So	Private	Wells and Purchased	2,240	748
Covina City Water Department	Covina	Municipal	Wells and Purchased	31,210	8,917
Covina Irrigating Company	Covina-Glendora	Mutual	Wells and Stream	0 (b)	10
Crescenta Valley CWD	La Crescenta	District	Wells and Spring	27,150	7,828
Dominguez Water Corporation	Carson, Torrance	Private	Wells and Purchased	120,000	29,669
Downey Water Division	Downey	Municipal	Wells and Purchased	83,000	23,000
East Pasadena Water Company	East Pasadena	Private	Wells	6,000	2,640
El Monte - City	El Monte	Municipal	Wells	9,000	3,244
El Segundo City	El Segundo	Municipal	Purchased	4,317	15,156
Foothill MWD	Altadena-Crescenta	District	Purchased	0 (b)	15
Glendale City	Glendale	Municipal	Wells, Purchased and Spring	139,500	31,517
Glendora City	Glendora	Municipal	Wells and Purchased	43,800	12,781
Green Valley CWD	Green Valley	District	Wells	800	401
Hawthorne City	Hawthorne	Municipal	Wells and Purchased	28,636	5,996
Hemlock Mutual Water Company	Northeast El Monte			700	204
Huntington Park	Huntington Park	Municipal	Wells and Purchased	40,000	6,000
Inglewood City	Inglewood City	Municipal	Wells and Purchased	75,000	14,500
Kinneloa ID	Pasadena Foothills	District	Wells and Spring	1,350	499
La Canada ID	La Canada Flintridge	District	Wells, Spring and Purchased	9,300	2,808
La Habra Heights CWD	La Habra Heights	District	Wells and Purchased	5,500	1,761
La Puente Valley CWD	La Puente	District	Wells	6,000	2,150
La Verne City	La Verne	Municipal	Wells and Purchased	28,580	7,348
Lake Elizabeth Mututal Water Co	Lake Elizabeth	Private	Wells and Purchased	1,376	400
Lakewood City	Lakewood City	Municipal	Wells and Purchased	60,000	20,191
Land Project Mutual Water Co	Antelope Acres	Mutual	Wells	802	361
Las Flores Water Company	Central Altadena	Mutual	Wells, Spring and	5,000	1,459

Table 2-8 (Cont.)

Local Large Water Systems, Los Angeles County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Service Connections
			Purchased		
Las Virgenes MWD	Calabasas Vicinity	District	Purchased	50,000	13,192
Leisure Lake Mobile Home Estates	Leisure Lake Mobile Park			420	211
Lincoln Avenue Water Company	Altadena	Mutual	Wells, Spring and Purchased	16,000	4,069
Littlerock Creek ID	Littlerock	District	Wells and Spring	2,800	618
Lockheed-California Company	USAF Plant 42, Site 2	Private			
Long Beach Water Department	Long Beach	Municipal	Wells and Purchased	381,800	86,955
Los Angeles City Water Department and PWR	Los Angeles	Municipal	Impounding Reservoir Wells, Spring and Purchased	3,131,369	631,962
Los Angeles Co WW Dist. 1	Athens-Woodcrest	District	Purchased	10,050	1,424
Los Angeles Co WW Dist. 10	Willowbrook	District	Wells and Purchased	8,330	1,183
Los Angeles Co WW Dist. 13	Lomita	District	Wells and Purchased	20,130	4,009
Los Angeles Co WW Dist. 16	Miramonte Park	District	Wells and Purchased	4,950	632
Los Angeles Co WW Dist. 21	Kagel Canyon	District	Wells and Purchased	800	229
Los Angeles Co WW Dist. 22	Hawthorne Vicinity	District	Wells and Purchased	11,050	2,862
Los Angeles Co WW Dist. 4 & 34	Lancaster-West Palmdale	District	Wells	76,386	17,065
Los Angeles County WW District 29-80	Malibu-Topanga-Marina Del Rey	District	Purchased	35,400	6,535
Los Angeles County WW District 24-27-33	Pearblossom-Littlerock-Sun Village	District	Wells	6,500	1,938
Los Angeles County WW Dist. 35	Hi Vista (NE Los Angeles)	District	Wells and Purchased	560	183
Los Angeles County WW Dist. 36	Val Verde	District	Wells and Purchased	1,836	389
Los Angeles County WW Dist. 37	Acton	District	Wells	1,956	494
Los Angeles County WW Dist. 38	Lake Los Angeles	District	Wells	4,470	2,159
Los Angeles County WW Dist. 39	Rock Creek	District	Wells	675	197
Lynwood City	Lynwood	Municipal	Wells and Purchased	49,000	8,600
Lynwood Park Mutual Water Co	Lynwood Park	Mutual	Wells	2,300	441

Table 2-8 (Cont.)

Local Large Water Systems, Los Angeles County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Service Connections
Manhattan Beach City	Manhattan Beach	Municipal	Wells and Purchased	35,000	12,350
Maywood Mutual Water Co. #1	Huntington Park	Mutual	Wells and Purchased	10,000	1,250
Maywood Mutual Water Co. #2	Maywood and Environs	Mutual	Wells and Purchased	8,000	1,833
Maywood Mutual Water Co. #3	Maywood-Vicinity	Mutual	Wells and Purchased	15,500	2,020
Mesa Crest Water Company	La Canada	Private	Purchased	1,950	672
Metropolitan Water District of Southern California	13 Cities, 7 MWD's, 1 CWA	District	Impounding Reservoir	0 (b)	314
Monrovia City	Monrovia	Municipal	Wells and Stream	32,000	9,075
Montebello City	Montebello	Municipal	Wells and Purchased	8,050	1,536
Montebello Land & Water Co	Montebello	Mutual	Wells	14,000	3,846
Monterey Park Water Department	Monterey Park	Municipal	Wells	50,582	11,933
Newhall CWD	Castaic	District	Wells	1,763	551
Newhall CWD	Newhall	District	Wells	9,421	2,944
Newhall CWD	Pinetree	District	Wells	5,245	1,639
Northrop Corp-Aircraft Div	Northrop Corporation	Private	Wells	500	363
Norwalk City	Norwalk	Municipal	Wells and Purchased	18,000	3,500
Orchard Dale WD	Whittier	District	Purchased	15,500	3,949
Palm Ranch ID	Quartz Hill	District	Wells and Purchased	5,000	1,422
Palmdale WD	Palmdale	District	Wells	35,000	11,640
Paradise Ranch Mobile Home Pk	Paradise Ranch	Private	Wells	225	129
Paramount City	Paramount	Municipal	Wells and Purchased	40,000	6,800
Park Water Company	Bell Gardens	Private	Wells	6,000	1,376
Park Water Company	Bellflower-Norwalk	Private	Wells and Purchased	60,000	16,062
Park Water Company Compton System	Compton	Private	Wells and Purchased	36,000	9,011
Pasadena City WPD	Pasadena	Municipal	Wells, Purchased and Stream	149,318	36,578
Peerless Water Company	Bellflower	Private	Wells and Purchased	9,000	1,995
Pico Rivera City	Pico Rivera	Municipal	Wells	36,000	9,525
Pico WD	Pico Rivera	District	Wells	5,100	5,163

Table 2-8 (Cont.)

Local Large Water Systems, Los Angeles County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Service Connections
Pomona Water Department	Pomona	Municipal	Wells, Purchased and Spring	107,220	26,535
Quartz Hill WD	Quartz Hill	District	Wells and Purchased	9,550	2,850
Richwood Mutual Water Company	El Monte	Mutual	Wells	800	204
Rockwell International-NAAO	PAAC Site/Plt 42 Sites 1,3,8	Private	Wells	3,000	
Rowland WD	Rowland Heights	District	Wells and Purchased	42,300	10,706
Rubio Canyon Land and Water Association	Altadena	Private	Impounding Reservoir Wells, Spring and Purchased	15,000	3,115
Rurban Homes Mutual Water Co	El Monte	Mutual	Wells	1,500	1,200
San Fernando City	San Fernando	Municipal	Wells	19,500	4,800
San Gabriel CWD	San Gabriel	District	Wells	45,000	8,272
San Gabriel Valley Water Co	Montebello	Private	Wells	5,523	1,579
San Gabriel Valley Water Co	El Monte San Gabriel Bas	Private	Wells	141,722	40,494
Santa Clarita Water Company	Saugus	Private	Wells	56,500	14,127
Santa Fe Springs City	Santa Fe Srpings	Municipal	Wells and Purchased	15,000	4,977
Santa Monica Water Division	Santa Monica	Municipal	Wells and Purchased	93,100	15,240
Sativa LA CWD	Compton	District	Wells	6,250	1,250
Sierra Madre City Water Department	Sierra Madre	Municipal	Wells and Spring	10,800	3,595
Signal Hill City	Signal Hill	Municipal	Wells	8,303	2,126
Somerset Mutual Water Company	Bellflower	Mutual	Wells and Purchased	15,000	2,971
South Gate Water Department	South Gate	Municipal	Wells and Purchased	75,100	14,233
South Montebello ID	Montebello	District	Wells	9,000	2,217
South Pasadena Water Department	South Pasadena	Municipal	Wells and Purchased	24,050	6,101
Southern California Edison Co	Santa Catalina Island	Private	Wells and Spring	2,000	1,501
Southern California Water Co	Florence Graham	Private	Wells and Purchased	34,700	8,668
Southern California Water Co	Norwalk	Private	Wells and Purchased	35,900	8,983
Southern California Water Co	San Dimas	Private	Wells and Purchased	51,384	12,846

Table 2-8 (Cont.)

Local Large Water Systems, Los Angeles County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Service Connections
Southern California Water Co	Claremont	Private	Wells and Purchased	37,600	9,404
Southern California Water Co	South San Gabriel	Private	Wells and Purchased	17,600	4,391
Southern California Water Co	Culver City	Private	Wells and Purchased	36,100	9,027
Southern California Water Co	Artesia Hawaiian Gardens	Private	Wells and Purchased	39,500	9,875
Southern California Water Co	Southwest	Private	Wells and Purchased	176,600	44,153
Southern California Water Co	South Arcadia, Temple	Private	Wells and Purchased	27,300	6,818
Southern California Water Co	Hollydale	Private	Wells and Purchased	6,500	1,630
Southern California Water Co	Bell-Bell Gardens	Private	Wells and Purchased	27,900	6,979
Sterling Mutual Water Company					
Suburban Water Systems	Glendora	Private	Purchased	6,000	1,854
Suburban Water Systems	La Mirada	Private	Wells and Purchased	43,667	13,125
Suburban Water Systems	San Jose-West Covina	Private	Wells and Purchased	105,846	32,524
Suburban Water Systems	Whittier Vicinity	Private	Wells and Purchased	51,996	17,024
Suburban Water Systems	Covina Knolls	Private	Purchased	2,000	478
Sunny Slope Water Company	Temple City Vicinity	Mutual	Wells	29,096	5,953
Three Valleys MWD	Claremont-La Verne-Walnut	District	Purchased	0 (b)	17
Torrance Municipal Water Department	Torrance	Municipal	Wells and Purchased	100,000	24,820
Tract 180 Mutual Water Company	Cudahy	Mutual	Wells	12,500	850
Tract 349 Mutual Water Company	Cudahy	Mutual	Wells	6,832	854
Uehling Water Company	Compton	Private	Wells and Purchased	6,000	1,441
Valencia Heights Water Company	Covina	Mutual	Wells and Purchased	2,200	985
Valencia Water Company	Valencia	Private	Wells	26,000	8,807
Valley CWD	Baldwin Park	District	Wells	27,900	10,345
Valley View Mutual Water Co	Baldwin Park	Mutual	Wells	7,000	1,285
Valley Water Company	La Canada Flintridge	Mutual	Wells and Purchased	13,000	3,415
Vernon Water Department	Vernon	Municipal	Wells and Purchased	90	1,640
Walnut Park Mutual Water Co	Walnut Park	Mutual	Wells	10,000	2,869
Walnut Valley WD	Walnut Valley	District	Purchased	90,000	20,133

Table 2-8 (Cont.)

Local Large Water Systems, Los Angeles County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Service Connections
West Covina Water Department	Woodside Village-NW Walnut	Municipal	Purchased	19,500	6,501
White Fence Farms Mutual Water Company	White Fence Farms	Mutual	Wells	1,550	381
Whittier City	Whittier	Municipal	Wells	46,339	11,276
Total				7,825,598 (c)	1,838,339

Source: State of California, Department of Health Services, Computer Printout (Sacramento: 1987).

(a) - Data presented for population served and number of service connections were current as of January 1, 1987. However, data on 30 percent of the local large water systems in the state had not been provided by water purveyors.

(b) - These systems are large water wholesalers. The population served is included under the retail system, except for the California Domestic Water Co. The figure listed for population served for the California Domestic Water Co. is for those customers who purchase water directly from the California Domestic Water Co., instead of through a retailer.

(c) - This population estimate is different from that given in Table 2-1. This difference may be due to different sources of information, different methods of estimation, or double counting of residents and transients.

Table 2-9

Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000

Los Angeles County

Authority	Facility Name	City	Flow Through (MGD) 1984	Flow Through (MGD) 1986	Design Capacity 1986 (MGD)	Flow Through as a Percent of Design Capacity	Planned Capacity 2000 (MGD)	Capacity Difference 1986 to 2000 (MGD)	Percentage Change 1986 to 2000
City of Avalon	Avalon WWRF	Avalon	0.310	0.310	0.500	62.0	0.500	0.000	0.0
City of Burbank	Burbank WWTF	Burbank	5.600	5.599	9.000	62.2	9.000	0.000	0.0
LA City Pub Wrks/Glendale	L.A. Glendale WWRP	Glendale	8.700	8.700	20.000	43.5	20.000	0.000	0.0
LA City Rec and Parks	L.A. Zoo WWTP	Los Angeles	0.640	NA (b)	NA	NA	NA	NA	NA
LA County-Eng Dept	Gorman WWTF	Gorman	0.020	0.020	0.060	33.2	0.060	0.000	0.0
LA County-Eng Dept	(a)Lake Hughes-Eliz Lake WWTF	Lake Hughes	NA	NA	NA	NA	0.080	NA	NA
LA County-Eng Dept	Lechuza Point WWTF	Lechuza Point	0.010	0.010	0.010	99.0	0.010	0.000	0.0
LA County-Eng Dept	Malibu WWTF	Malibu	0.020	0.020	0.040	49.8	0.040	0.000	0.0
LA County-Eng Dept	Trancas WWTF	Malibu-West	0.080	0.080	0.080	99.9	0.080	0.000	0.0
LA County-Mech Dept	Acton Rehab Cnt WWTF	Acton	0.040	0.040	0.150	26.6	0.150	0.000	0.0
LA County-Mech Dept	Miller-Kilpatrick WWTF	Malibu	0.030	0.030	0.040	74.8	0.040	0.000	0.0
LA County-Mech Dept	Muntz-Mendenhall WWTF	Lake Hughes	0.020	0.020	0.020	99.5	0.020	0.000	0.0
LA County-Mech Dept	Paige-Afflerbaugh WWTF	La Verne	0.030	0.030	0.030	99.7	0.030	0.000	0.0
LA County-Mech Dept	Sher Dept CP #13 WWTP	Malibu	0.010	0.010	0.010	99.0	0.010	0.000	0.0
LA County-Mech Dept	Warm Springs Rehab WWTF	Castaic	0.030	0.030	0.040	74.8	0.040	0.000	0.0
Las Virgenes Mun WD	Tapia WWTF	Calabasas	4.200	6.100	8.000	76.2	10.000	2.000	25.0
Los Angeles City Pub Wrks	D C Tillman	Los Angeles	25.000	25.000	40.000	62.5	80.000	40.000	100.0
Los Angeles City Pub Wrks	Hyperion WWTF	Los Angeles	365.000	365.000	420.000	86.9	380.000	-40.000	-9.5
Los Angeles City Pub Wrks	Terminal Island WWTF	Los Angeles	18.000	18.000	30.000	60.0	30.000	0.000	0.0
Los Angeles CSD	Joint WPCP	Carson	360.000	380.000	380.000	100.0	360.000	-20.000	-5.3
Los Angeles CSD	Long Beach WWTF	Long Beach	22.000	22.000	25.000	88.0	25.000	0.000	0.0
Los Angeles CSD	Los Coyotes WRP	Cerritos	35.000	35.000	37.500	93.3	62.500	25.000	66.7
Los Angeles CSD	Pomona WRP	Pomona	9.580	9.580	10.000	95.8	15.000	5.000	50.0
Los Angeles CSD	San Jose Creek WRP	Whittier	54.300	54.299	62.500	86.9	62.500	0.000	0.0
Los Angeles CSD	Whittier Narrows WRP	El Monte	13.610	13.610	15.000	90.7	15.000	0.000	0.0

Table 2-9 (Cont.)

Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000

Los Angeles County

Authority	Facility Name	City	Flow Through (MGD) 1984	Flow Through (MGD) 1986	Design Capacity 1986 (MGD)	Flow Through as a Percent of Design Capacity	Planned Capacity 2000 (MGD)	Capacity Difference 1986 to 2000 (MGD)	Percentage Change 1986 to 2000
Los Angeles CSD (Dist 14)	Lancaster WWTF	Lancaster	5.300	5.300	6.500	81.5	6.500	0.000	0.0
Los Angeles CSD (Dist 20)	Palmdale WWTF	Palmdale	2.380	2.380	2.100	113.3	5.970	3.870	184.3
Los Angeles CSD (Dist 26)	Saugus-Newhall WWTF	Saugus	5.340	5.340	5.000	106.8	5.000	0.000	0.0
Los Angeles CSD (Dist 28)	Flint Ridge WWTF	La Canada	0.160	NA (b)	NA	NA	NA	NA	NA
Los Angeles CSD (Dist 32)	Valencia WWTF	Valencia	3.060	3.060	4.500	68.0	6.000	1.500	33.3

Source: U.S. Environmental Protection Agency, Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000 - Report 3, California (computer printout, 1984 and 1986).

(a) - This facility is expected to come on-line some time between 1986 and the year 2000.

(b) - This facility closed after 1984.

MGD - Million gallons per day.

NA - Not available.

is planned to come on-line between 1986 and 2000. Decreases in sewage treatment facility capacity can be caused by changes in equipment used (Joyce Hudson, U.S. Environmental Protection Agency, personal communication, 1987).

2.6.5 Solid Waste Disposal

Los Angeles County has 16 landfills: Antelope Valley, Azusa Western, BKK, Bradley West, Burbank, Calabasas, Chiquita Canyon, Lancaster, Livingston-Graham, Lopez Canyon, Nuway Industries, Puente Hills, Scholl Canyon, Spadra, Sunshine Canyon, and Whittier.

A projection of county solid waste production between 1986 and 1996 and the capacity of the county's landfill operations are shown in Table 2-10 and Figures 2-9 and 2-10. The numbers in Table 2-10 were prepared by the California Waste Management Board (CWMB). (The projected annual growth rate in solid waste generation developed by the CWMB, 1.8 percent from 1986 to 1990, and 1.4 percent from 1991 to 1996, was applied by the CWMB to all counties.) Between 1986 and 1996, it is projected that the annual solid waste disposal requirements will increase by 17.2 percent. Based on this growth rate, landfill capacity is projected to be exceeded by 1994 unless expansion of facilities occurs or new landfills are built.

2.6.6 Public Schools

Los Angeles County is served by 84 school districts: 42 unified districts (includes both elementary and high school education); 26 elementary districts (includes kindergarten and grades 1-6 or 1-8); 6 union high school districts (includes two or more elementary school districts); 7 union elementary districts (formed from two or more elementary school districts) ; 1 high school district (includes grades 7 and above or grades 9 and above); the county special education schools, and the county operated regular schools. Enrollment by school district for the 1980-81 to 1985-86 school years is shown in Table 2-11. In 1980-81, enrollment was 1,189,729. Overall enrollment in public schools increased 7.8 percent between the 1980-81 school year and the 1985-86 school year -- 8.7 percent at the elementary school level and 5.7 percent at the high school level (see Table 2-11 and Figure 2-11). Enrollment by district and city served for the 1985-86 school year is shown in Table 2-12. Enrollment by school district, year, and grade for the 1980-81 to 1985-86 school years is presented in Table DS 2-15.

Public school enrollment in the county is projected to be 1,581,573 in the 1995-96 school year (California Department of Finance, 1986d). This represents a 32.9 percent increase in enrollment from the 1980-81 school year. Figure 2-12 shows public school enrollment in the county from the 1980-81 to 1995-96 school years.

2.6.7 Transportation

2.6.7.1 Land

There were 21,012 miles of public roads in Los Angeles County in 1980 (see Table 2-1). About 4.3 percent of these roads are state highways and 5.1 percent are federal roads which do not overlap state or local

Table 2-10

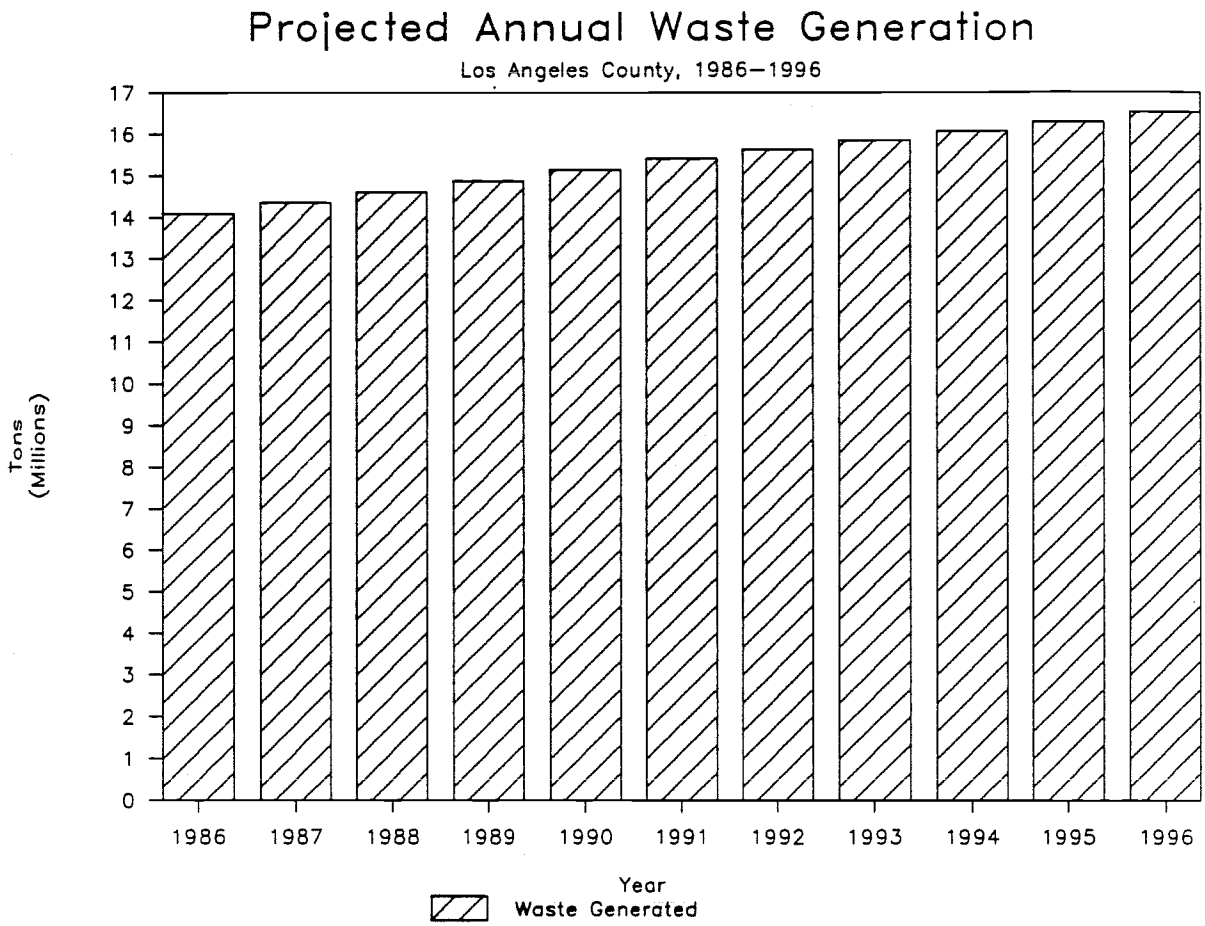
Projections of Annual Waste Disposed and Remaining Disposal Capacity, Los Angeles County, 1986-1996

Year	Annual Waste Disposed (Tons Per Year)	Remaining Disposal Capacity (Tons Per Year)
1986	14,100,000	106,100,000
1987	14,353,800	91,746,200
1988	14,612,168	77,134,032
1989	14,875,187	62,258,844
1990	15,142,941	47,115,903
1991	15,415,514	31,700,390
1992	15,631,331	16,069,059
1993	15,850,170	218,889
1994	16,072,072	-15,853,183 (a)
1995	16,297,081	-32,150,264 (a)
1996	16,525,240	-48,675,504 (a)

Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

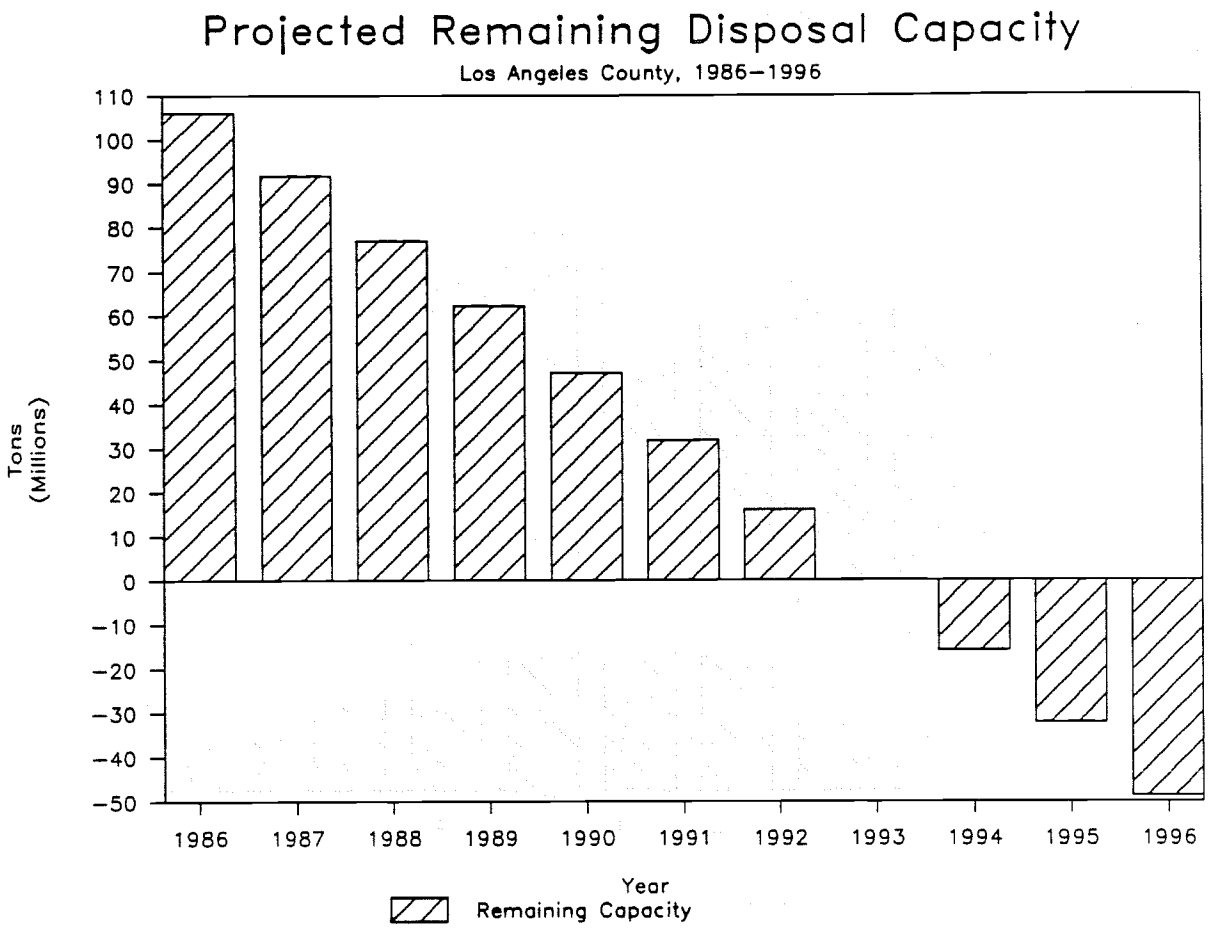
(a) - Remaining disposal capacity was calculated by subtracting the annual waste disposed figures from the base 1986 remaining disposal capacity figure. The negative values indicate that by the year 1994 Los Angeles County will have exceeded current permitted disposal capacity.

Figure 2-9



Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

Figure 2-10



Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

Table 2-11

Enrollment by School District, Los Angeles County, 1980-81 to 1985-86

School District	1980-81 Elementary	1980-81 High School	1980-81 Total	1981-82 Elementary	1981-82 High School	1981-82 Total	1982-83 Elementary	1982-83 High School	1982-83 Total
ABC Unified	15,298	6,837	22,135	15,287	7,294	22,581	15,011	7,172	22,183
Alhambra City Elementary	9,037	0	9,037	9,569	0	9,569	9,761	0	9,761
Alhambra City High	0	8,309	8,309	0	8,920	8,920	0	9,047	9,047
Antelope Valley Union High	0	6,623	6,623	0	6,663	6,663	0	6,605	6,605
Arcadia Unified	5,103	3,281	8,384	5,134	3,011	8,145	4,676	3,148	7,824
Azusa Unified	6,227	2,680	8,907	6,496	2,610	9,106	6,541	2,589	9,130
Baldwin Park Unified	8,774	3,086	11,860	9,352	3,196	12,548	9,621	3,262	12,883
Bassett Unified	3,566	1,557	5,123	3,575	1,704	5,279	3,611	1,589	5,200
Bellflower Unified	5,276	3,053	8,329	5,579	3,109	8,688	5,851	2,961	8,812
Beverly Hills Unified	3,029	2,542	5,571	2,949	2,526	5,475	2,799	2,538	5,337
Bonita Unified	5,742	2,719	8,461	5,913	2,826	8,739	5,798	2,847	8,645
Burbank Unified	7,525	3,984	11,509	7,568	3,997	11,565	7,605	3,791	11,396
Castaic Union Elementary	343	0	343	385	0	385	416	0	416
Centinela Valley Union High	0	6,272	6,272	0	6,225	6,225	0	6,131	6,131
Charter Oak Unified	3,797	2,271	6,068	3,701	2,235	5,936	3,610	2,164	5,774
Claremont Unified	3,451	1,951	5,402	3,519	2,030	5,549	3,476	2,028	5,504
Compton Unified	21,018	8,120	29,138	21,320	7,950	29,270	21,085	7,386	28,471
Covina-Valley Unified	6,596	3,812	10,408	7,158	3,931	11,089	7,237	3,821	11,058
Culver City Unified	3,247	1,901	5,148	3,155	1,936	5,091	3,042	1,993	5,035
Downey Unified	8,229	4,279	12,508	8,338	4,600	12,938	8,171	4,511	12,682
Duarte Unified	2,798	1,023	3,821	2,870	1,023	3,893	2,958	1,028	3,986
East Whittier City Elementary	5,883	0	5,883	5,849	29	5,878	6,040	30	6,070
Eastside Union Elementary	494	0	494	515	0	515	599	0	599
El Monte Elementary	8,948	0	8,948	9,600	0	9,600	9,716	0	9,716
El Monte Union High	0	6,943	6,943	0	6,920	6,920	0	7,244	7,244
El Rancho Unified	7,327	3,153	10,480	7,258	3,064	10,322	7,299	3,022	10,321
El Segundo Unified	1,230	884	2,114	1,194	793	1,987	1,088	784	1,872
Garvey Elementary	6,094	0	6,094	6,507	0	6,507	6,785	0	6,785
Glendale Unified	12,873	7,075	19,948	13,039	6,997	20,036	12,991	7,160	20,151
Glendora Unified	3,833	2,467	6,300	3,735	2,411	6,146	3,698	2,370	6,068
Gorman Elementary	44	0	44	47	0	47	55	0	55
Hacienda La Puente Unified	15,646	7,626	23,272	15,584	7,726	23,310	15,205	7,546	22,751

Table 2-11 (Cont.)

Enrollment by School District, Los Angeles County, 1980-81 to 1985-86

School District	1980-81 Elementary	1980-81 High School	1980-81 Total	1981-82 Elementary	1981-82 High School	1981-82 Total	1982-83 Elementary	1982-83 High School	1982-83 Total
Hawthorne Elementary	4,739	0	4,739	4,769	0	4,769	4,883	16	4,899
Hermosa Beach City Elementary	908	0	908	899	0	899	818	0	818
Hughes-Elizabeth Lakes Union Elementary	197	0	197	219	0	219	243	0	243
Inglewood Unified	10,064	3,534	13,598	10,145	3,687	13,832	10,581	3,583	14,164
Keppel Union Elementary	898	0	898	912	0	912	1,002	12	1,014
La Canada Unified	2,073	1,426	3,499	2,028	1,400	3,428	1,932	1,333	3,265
Lancaster Elementary	5,688	393	6,081	6,177	0	6,177	6,392	0	6,392
Las Virgenes Unified	4,961	3,064	8,025	4,785	2,969	7,754	4,545	3,019	7,564
Lawndale Elementary	3,939	0	3,939	4,083	0	4,083	4,036	0	4,036
Lennox Elementary	4,360	0	4,360	4,695	0	4,695	4,765	0	4,765
Little Lake City Elementary	4,113	0	4,113	4,164	0	4,164	4,106	0	4,106
Long Beach Unified	38,927	16,472	55,399	40,702	16,765	57,467	42,024	17,041	59,065
Los Angeles County Schools	232	2,633	2,865	214	2,764	2,978	296	3,474	3,770
Los Angeles Co. Spec. Ed. Schs	271	41	312	3,263	1,279	4,542	3,288	1,221	4,509
Los Angeles Unified	363,458	156,997	520,455	378,996	161,907	540,903	387,347	160,559	547,906
Los Nietos Elementary	1,887	0	1,887	1,849	0	1,849	1,792	0	1,792
Lowell Joint Elementary	2,620	0	2,620	2,527	65	2,592	2,479	0	2,479
Lynwood Unified	8,313	2,372	10,685	8,716	2,545	11,261	9,115	2,817	11,932
Manhattan Beach City Elementary	2,985	0	2,985	2,842	0	2,842	2,758	0	2,758
Monrovia Unified	3,684	1,743	5,427	3,695	1,722	5,417	3,757	1,661	5,418
Montebello Unified	19,075	7,313	26,388	19,948	7,642	27,590	20,324	7,686	28,010
Mountain View Elementary	6,545	0	6,545	6,902	0	6,902	7,206	0	7,206
Newhall Elementary	2,855	0	2,855	2,807	0	2,807	2,733	0	2,733
Norwalk-La Mirada Unified	12,876	6,154	19,030	12,867	6,037	18,904	12,985	5,581	18,566
Palmdale elementary	3,415	0	3,415	3,467	0	3,467	3,861	0	3,861
Palos Verdes Peninsula Unified	7,373	5,795	13,168	7,065	5,340	12,405	6,596	5,184	11,780
Paramount Unified	7,401	2,318	9,719	7,505	2,691	10,196	7,912	2,537	10,449
Pasadena Unified	14,974	6,879	21,853	15,122	7,298	22,420	15,309	7,199	22,508

Table 2-11 (Cont.)

Enrollment by School District, Los Angeles County, 1980-81 to 1985-86

School District	1980-81 Elementary	1980-81 High School	1980-81 Total	1981-82 Elementary	1981-82 High School	1981-82 Total	1982-83 Elementary	1982-83 High School	1982-83 Total
Pomona Unified	14,305	4,930	19,235	15,122	5,053	20,175	15,764	4,776	20,540
Redondo Beach City Elementary	4,447	212	4,659	4,531	0	4,531	4,427	0	4,427
Rosemead Elementary	2,327	0	2,327	2,393	0	2,393	2,465	0	2,465
Rowland Unified	12,034	5,051	17,085	12,030	5,119	17,149	12,250	5,067	17,317
San Gabriel Elementary	2,938	0	2,938	3,025	9	3,034	3,064	0	3,064
San Marino Unified	1,777	1,270	3,047	1,777	1,205	2,982	1,769	1,172	2,941
Santa Monica-Malibu Unified	7,319	4,225	11,544	7,014	4,134	11,148	6,781	4,109	10,890
Saugus Union Elementary	3,869	0	3,869	3,890	0	3,890	3,701	0	3,701
Soledad-Agua Dulce Union Elementary	742	0	742	797	0	797	738	0	738
South Bay Union High	0	4,967	4,967	0	5,098	5,098	0	4,728	4,728
South Pasadena Unified	2,092	1,388	3,480	1,983	1,368	3,351	1,960	1,413	3,373
South Whittier Elementary	3,214	0	3,214	3,287	0	3,287	3,285	0	3,285
Sulphur Springs Union Elementary	1,920	0	1,920	1,909	0	1,909	2,066	0	2,066
Temple City Unified	2,717	1,704	4,421	2,648	1,700	4,348	2,626	1,625	4,251
Torrance Unified	13,176	8,355	21,531	12,648	8,416	21,064	12,350	8,123	20,473
Valle Lindo Elementary	767	0	767	766	0	766	769	0	769
Walnut Valley Unified	5,492	2,842	8,334	5,491	2,901	8,392	5,358	2,882	8,240
West Covina Unified	5,176	3,212	8,388	5,083	3,028	8,111	5,231	3,011	8,242
Westside Union Elementary	1,909	0	1,909	1,924	0	1,924	1,885	0	1,885
Whittier City Elementary	5,042	0	5,042	5,254	0	5,254	5,331	0	5,331
Whittier Union High	0	10,015	10,015	0	9,520	9,520	0	9,137	9,137
William S. Hart Union High	2,873	5,850	8,723	3,042	5,947	8,989	3,144	5,971	9,115
Wilsona Elementary	474	0	474	507	0	507	532	0	532
Wiseburn Elementary	1,257	0	1,257	1,211	0	1,211	1,180	0	1,180
Total	816,126	373,603	1,189,729	842,891	381,335	1,224,226	854,506	377,704	1,232,210

Table 2-11 (Cont.)

Enrollment by School District, Los Angeles County, 1980-81 to 1985-86

School District	1983-84 Elementary	1983-84 High School	1983-84 Total	1984-85 Elementary	1984-85 High School	1984-85 Total	1985-86 Elementary	1985-86 High School	1985-86 Total
ABC Unified	14,739	7,371	22,110	14,381	7,689	22,070	14,314	7,648	21,962
Alhambra City Elementary	10,047	0	10,047	10,136	0	10,136	10,157	0	10,157
Alhambra City High	0	9,257	9,257	0	9,751	9,751	0	9,868	9,868
Antelope Valley Union High	0	7,010	7,010	0	7,362	7,362	0	7,765	7,765
Arcadia Unified	4,532	3,136	7,668	4,368	3,148	7,516	4,348	3,041	7,389
Azusa Unified	6,582	2,630	9,212	6,480	2,769	9,249	6,755	2,866	9,621
Baldwin Park Unified	9,851	3,409	13,260	10,134	3,370	13,504	10,297	3,672	13,969
Bassett Unified	3,560	1,439	4,999	3,494	1,474	4,968	3,488	1,490	4,978
Bellflower Unified	5,808	2,914	8,722	5,894	3,080	8,974	6,118	3,083	9,201
Beverly Hills Unified	2,616	2,542	5,158	2,488	2,545	5,033	2,474	2,482	4,956
Bonita Unified	5,752	2,876	8,628	5,877	2,958	8,835	5,964	3,088	9,052
Burbank Unified	7,389	4,099	11,488	7,228	4,157	11,385	7,214	4,266	11,480
Castaic Union Elementary	437	0	437	458	0	458	613	0	613
Centinela Valley Union High	0	5,936	5,936	0	5,877	5,877	0	5,956	5,956
Charter Oak Unified	4,078	2,161	6,239	3,384	2,073	5,457	3,388	2,029	5,417
Claremont Unified	3,421	2,060	5,481	3,355	2,117	5,472	3,579	2,100	5,679
Compton Unified	20,579	6,630	27,209	20,460	6,396	26,856	20,843	6,259	27,102
Covina-Valley Unified	7,107	3,765	10,872	6,920	3,776	10,696	7,024	3,745	10,769
Culver City Unified	2,837	1,949	4,786	2,721	1,960	4,681	2,738	1,992	4,730
Downey Unified	8,396	4,526	12,922	8,458	4,538	12,996	8,651	4,660	13,311
Duarte Unified	2,969	1,111	4,080	3,085	1,149	4,234	3,227	1,189	4,416
East Whittier City Elementary	6,094	26	6,120	6,142	30	6,172	6,171	28	6,199
Eastside Union Elementary	633	0	633	673	0	673	775	0	775
El Monte Elementary	9,958	0	9,958	9,968	0	9,968	10,358	0	10,358
El Monte Union High	0	7,435	7,435	0	7,604	7,604	0	7,875	7,875
El Rancho Unified	7,141	3,017	10,158	7,089	3,080	10,169	7,212	3,123	10,335
El Segundo Unified	1,109	752	1,861	1,083	819	1,902	1,104	802	1,906
Garvey Elementary	7,030	0	7,030	7,139	0	7,139	7,257	0	7,257
Glendale Unified	12,274	7,470	19,744	12,461	7,578	20,039	12,583	7,574	20,157
Glendora Unified	3,621	2,311	5,932	3,623	2,218	5,841	3,611	2,114	5,725
Gorman Elementary	49	0	49	54	0	54	48	0	48
Hacienda La Puente Unified	14,641	7,394	22,035	14,441	7,431	21,872	14,447	7,595	22,042

Table 2-11 (Cont.)

Enrollment by School District, Los Angeles County, 1980-81 to 1985-86

School District	1983-84 Elementary	1983-84 High School	1983-84 Total	1984-85 Elementary	1984-85 High School	1984-85 Total	1985-86 Elementary	1985-86 High School	1985-86 Total
Hawthorne Elementary	4,778	0	4,778	4,939	0	4,939	4,996	0	4,996
Hermosa Beach City Elementary	743	0	743	689	0	689	640	0	640
Hughes-Elizabeth Lakes Union Elementary	234	0	234	265	0	265	301	0	301
Inglewood Unified	10,749	3,757	14,506	11,113	3,789	14,902	11,371	3,989	15,360
Keppel Union Elementary	1,041	0	1,041	1,300	7	1,307	1,660	4	1,664
La Canada Unified	1,804	1,367	3,171	1,704	1,347	3,051	1,685	1,325	3,010
Lancaster Elementary	6,613	0	6,613	6,625	0	6,625	6,919	0	6,919
Las Virgenes Unified	4,489	3,150	7,639	4,505	3,122	7,627	4,726	3,140	7,866
Lawndale Elementary	3,974	0	3,974	3,977	0	3,977	4,039	0	4,039
Lennox Elementary	4,907	0	4,907	4,947	0	4,947	4,821	0	4,821
Little Lake City Elementary	3,983	0	3,983	3,923	0	3,923	3,873	0	3,873
Long Beach Unified	42,953	17,315	60,268	43,722	18,066	61,788	45,418	18,413	63,831
Los Angeles County Schools	277	3,521	3,798	299	3,608	3,907	328	4,178	4,506
Los Angeles Co. Spec. Ed. Schs	3,023	1,588	4,611	3,258	1,648	4,906	3,012	1,830	4,842
Los Angeles Unified	391,722	163,392	555,114	398,203	164,590	562,793	410,357	167,568	577,925
Los Nietos Elementary	1,811	0	1,811	1,786	0	1,786	1,922	0	1,922
Lowell Joint Elementary	2,342	64	2,406	2,271	53	2,324	2,273	0	2,273
Lynwood Unified	9,504	3,300	12,804	9,716	3,051	12,767	10,045	3,119	13,164
Manhattan Beach City Elementary	2,514	0	2,514	2,368	0	2,368	2,244	0	2,244
Monrovia Unified	3,736	1,592	5,328	3,612	1,675	5,287	3,671	1,697	5,368
Montebello Unified	20,865	8,148	29,013	21,346	8,290	29,636	21,704	8,642	30,346
Mountain View Elementary	7,501	0	7,501	7,732	39	7,771	7,928	0	7,928
Newhall Elementary	2,662	0	2,662	2,817	0	2,817	2,949	0	2,949
Norwalk-La Mirada Unified	12,652	5,591	18,243	12,282	5,753	18,035	12,605	5,892	18,497
Palmdale elementary	4,297	0	4,297	4,935	0	4,935	5,594	0	5,594
Palos Verdes Peninsula Unified	6,118	5,090	11,208	5,760	4,987	10,747	5,587	4,829	10,416
Paramount Unified	8,099	2,638	10,737	8,250	2,734	10,984	8,386	2,742	11,128
Pasadena Unified	15,275	7,135	22,410	15,254	7,084	22,338	15,228	7,240	22,468

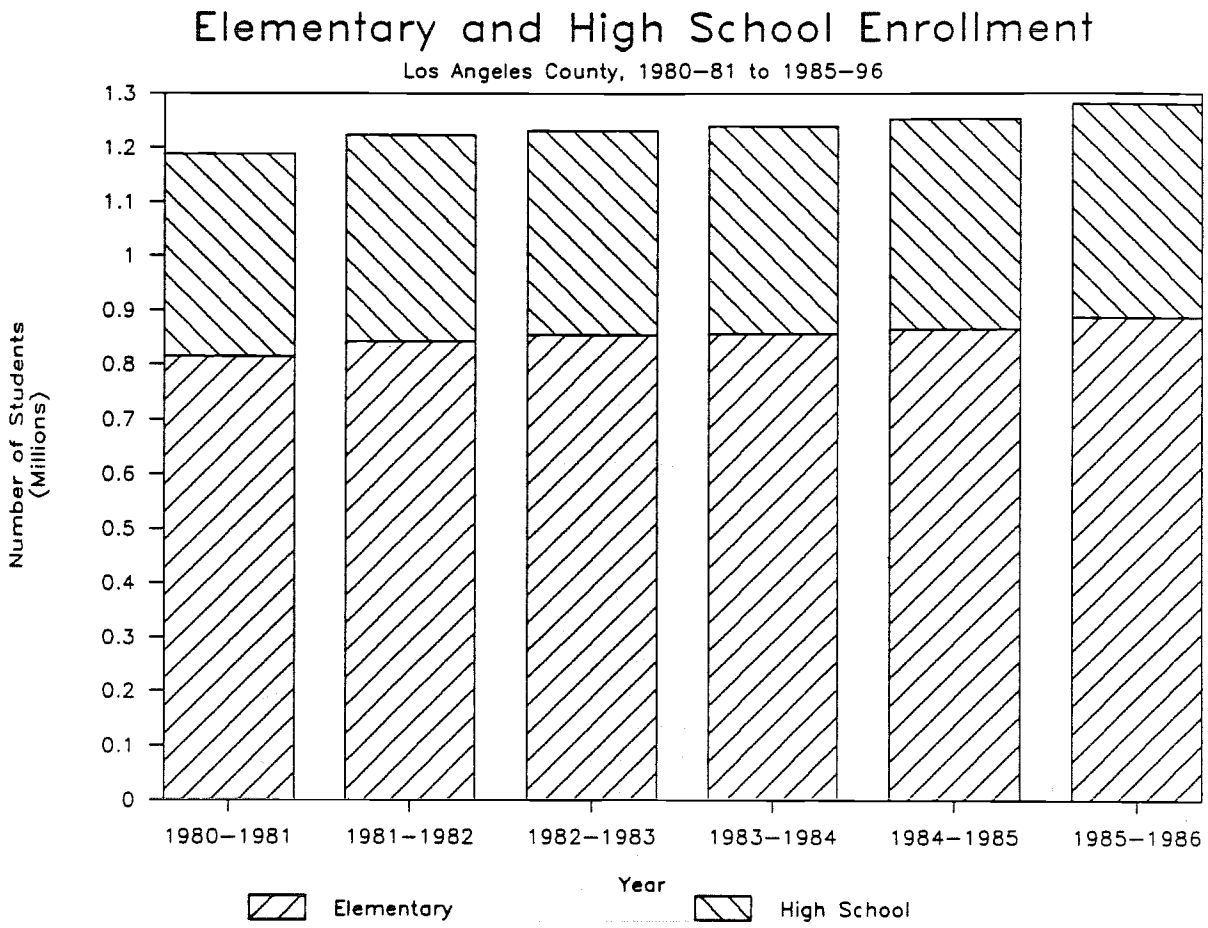
Table 2-11 (Cont.)

Enrollment by School District, Los Angeles County, 1980-81 to 1985-86

School District	1983-84 Elementary	1983-84 High School	1983-84 Total	1984-85 Elementary	1984-85 High School	1984-85 Total	1985-86 Elementary	1985-86 High School	1985-86 Total
Pomona Unified	16,014	4,874	20,888	16,742	4,911	21,653	17,511	5,037	22,548
Redondo Beach City Elementary	4,129	0	4,129	3,933	0	3,933	3,797	0	3,797
Rosemead Elementary	2,495	0	2,495	2,553	0	2,553	2,501	0	2,501
Rowland Unified	12,251	5,265	17,516	12,296	5,498	17,794	12,317	5,772	18,089
San Gabriel Elementary	3,008	0	3,008	3,050	0	3,050	3,023	0	3,023
San Marino Unified	1,710	1,162	2,872	1,597	1,145	2,742	1,589	1,147	2,736
Santa Monica-Malibu Unified	6,374	4,092	10,466	5,982	4,087	10,069	5,785	3,823	9,608
Saugus Union Elementary	3,723	0	3,723	3,725	0	3,725	4,138	0	4,138
Soledad-Agua Dulce Union Elementary	754	0	754	827	0	827	885	0	885
South Bay Union High	0	4,656	4,656	0	4,627	4,627	0	4,495	4,495
South Pasadena Unified	1,943	1,368	3,311	1,993	1,448	3,441	2,011	1,467	3,478
South Whittier Elementary	3,263	0	3,263	3,283	0	3,283	3,340	0	3,340
Sulphur Springs Union Elementary	2,108	0	2,108	2,188	0	2,188	2,401	0	2,401
Temple City Unified	2,631	1,629	4,260	2,512	1,633	4,145	2,581	1,653	4,234
Torrance Unified	11,901	7,977	19,878	11,545	8,027	19,572	11,460	8,118	19,578
Valle Lindo Elementary	808	0	808	834	10	844	883	0	883
Walnut Valley Unified	5,462	3,117	8,579	5,512	3,253	8,765	5,769	3,418	9,187
West Covina Unified	5,148	2,852	8,000	5,163	2,884	8,047	5,262	2,819	8,081
Westside Union Elementary	1,877	0	1,877	1,961	0	1,961	2,183	0	2,183
Whittier City Elementary	5,422	0	5,422	5,479	0	5,479	5,677	0	5,677
Whittier Union High	0	9,300	9,300	0	9,767	9,767	0	9,872	9,872
William S. Hart Union High	3,070	6,045	9,115	2,844	6,193	9,037	2,721	6,511	9,232
Wilsona Elementary	559	0	559	683	0	683	891	0	891
Wiseburn Elementary	1,173	0	1,173	1,145	0	1,145	1,122	0	1,122
Total	857,739	383,211	1,240,950	865,439	388,275	1,253,714	886,887	395,050	1,281,937

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: computer printout, 1980 to 1985).

Figure 2-11



Source: California Department of Education, CBEDS Data Collection (Sacramento: 1980 to 1985).

Table 2-12

Enrollment by School District by City, Los Angeles County, 1985-86

School District	City/Area Served	Enrollment City/Area	Enrollment District Total
ABC Unified	Artesia	2,624	21,962
	Cerritos	12,978	
	Hawaiian Gardens	1,907	
	Lakewood	4,453	
Alhambra City Elementary	Alhambra	6,653	10,157
	Monterey Park	3,504	
Alhambra City High	Alhambra	6,486	9,868
	San Gabriel	3,382	
Antelope Valley Union High	Lancaster	3,151	7,765
	Palmdale	2,656	
	Quartz Hill	1,958	
Arcadia Unified	Arcadia	7,389	7,389
Azusa Unified	Azusa	7,896	9,621
	Covina	1,709	
	Glendora	16	
Baldwin Park Unified	Baldwin Park	13,969	13,969
Bassett Unified	Industry	668	4,978
	La Puente	4,310	
Bellflower Unified	Bellflower	5,809	9,201
	Lakewood	3,392	
Beverly Hills Unified	Beverly Hills	4,956	4,956
Bonita Unified	La Verne	1,593	9,052
	San Dimas	7,459	
Burbank Unified	Burbank	11,480	11,480
Castaic Union Elementary	Castaic	613	613
Centinela Valley Union High	Hawthorne	2,890	5,956
	Lawndale	3,066	
Charter Oak Unified	Charter Oak	405	5,417
	Covina	5,012	
Claremont Unified	Claremont	5,679	5,679
Compton Unified	Carson	528	27,102
	Compton	24,020	
	Los Angeles	2,554	
Covina-Valley Unified	Covina	7,740	10,769
	Irwindale	391	
	West Covina	2,638	
Culver City Unified	Culver City	4,730	4,730
Downey Unified	Downey	13,311	13,311
Duarte Unified	Duarte	4,416	4,416
East Whittier City Elementary	Whittier	6,199	6,199
Eastside Union Elementary	Lancaster	775	775
El Monte Elementary	Arcadia	744	10,358
	El Monte	8,904	

Table 2-12 (Cont.)

Enrollment by School District by City, Los Angeles County, 1985-86

School District	City/Area Served	Enrollment City/Area	Enrollment District Total
	South El Monte	371	
	Temple City	339	
El Monte Union High	El Monte	5,854	7,875
	Rosemead	1,663	
	South El Monte	358	
El Rancho Unified	Pico Rivero	10,335	10,335
El Segundo Unified	El Segundo	1,906	1,906
Garvey Elementary	Monterey Park	1,143	7,257
	Rosemead	5,448	
	San Gabriel	666	
Glendale Unified	Glendale	15,394	20,157
	La Crescenta	4,763	
Glendora Unified	Glendora	5,725	5,725
Gorman Elementary	Gorman	48	48
Hacienda La Puente Unified	Industry	1,355	22,042
	Hacienda Heights	10,902	
	La Puente	7,741	
	Valinda	2,044	
Hawthorne Elementary	Hawthorne	4,996	4,996
Hermosa Beach City Elementary	Hermosa Beach	640	640
Hughes-Elizabeth Lakes Union Elementary	Lake Hughes	301	301
Inglewood Unified	Inglewood	14,715	15,360
	Los Angeles	645	
Keppel Union Elementary	Littlerock	1,664	1,664
La Canada Unified	La Canada	3,010	3,010
Lancaster Elementary	Lancaster	6,919	6,919
Las Virgenes Unified	Agoura	4,265	7,866
	Calabasas	2,837	
	Westlake Village	424	
	Woodland Hills	340	
Lawndale Elementary	Lawndale	4,039	4,039
Lennox Elementary	Lennox	4,821	4,821
Little Lake City Elementary	Norwalk	2,512	3,873
	Santa Fe Springs	1,361	
Long Beach Unified	Lakewood	8,650	63,831
	Long Beach	54,398	
	Los Alamitos (a)	375	
	Santa Catalina Island	408	
Los Angeles County Schools	Azusa	33	4,506
	Calabasas	117	
	Downey	484	
	El Monte	210	
	La Canada	91	

Table 2-12 (Cont.)

Enrollment by School District by City, Los Angeles County, 1985-86

School District	City/Area Served	Enrollment City/Area	Enrollment District Total
	La Verne	226	
	Lake Hughes	201	
	Lancaster	249	
	Lawndale	90	
	Long Beach	25	
	Los Angeles	1,446	
	Malibu	240	
	Monrovia	17	
	North Hollywood	28	
	Pomona	19	
	San Dimas	110	
	San Fernando	91	
	Santa Monica	21	
	Saugus	265	
	Sepulveda	40	
	Sylmar	431	
	Woodland Hills	72	
Los Angeles County Special Ed Schools	Bellflower	268	4,842
	Covina	664	
	Downey	632	
	El Monte	266	
	Hacienda Heights	81	
	Hawthorne	198	
	Lancaster	235	
	Lawndale	373	
	Los Angeles	64	
	Newhall	188	
	Norwalk	225	
	Pomona	194	
	Redondo Beach	268	
	San Gabriel	311	
	San Marino	149	
	Torrance	196	
	West Covina	530	
Los Angeles Unified	Arleta	487	577,925
	Bell	6,885	
	Canoga Park	10,927	
	Carson	13,647	
	Chatsworth	6,208	
	Cudahy	3,288	
	Culver City	1,473	
	Encino	1,206	
	Gardena	10,537	

Table 2-12 (Cont.)

Enrollment by School District by City, Los Angeles County, 1985-86

School District	City/Area Served	Enrollment: City/Area	Enrollment: District Total
	Granada Hills	11,778	
	Harbor City	4,133	
	Huntington Beach (a)	19	
	Huntington Park	15,252	
	Inglewood	681	
	Lakeview Terrace	1,006	
	Lomita	2,925	
	Long Beach	698	
	Los Angeles	303,107	
	Maywood	3,928	
	Mission Hills	738	
	Monterey Park	319	
	North Hollywood	17,185	
	Northridge	8,287	
	Pacific Palisades	3,101	
	Pacoima	11,886	
	Panorama City	1,615	
	Playa Del Rey	531	
	Reseda	8,926	
	San Fernando	8,891	
	San Pedro	13,302	
	Santa Monica	327	
	Sepulveda	9,359	
	Sherman Oaks	4,557	
	South Gate	16,386	
	Studio City	569	
	Sun Valley	8,257	
	Sunland	2,756	
	Sylmar	8,163	
	Tarzana	3,479	
	Topanga	223	
	Torrance	2,052	
	Tujunga	3,862	
	Van Nuys	20,836	
	Venice	1,913	
	West Hollywood	267	
	Wilmington	10,990	
	Woodland Hills	10,963	
Los Nietos Elementary	Los Nietos	583	1,922
	Sante Fe Springs	382	
	Whittier	957	
Lowell Joint Elementary	La Habra (a)	881	2,273
	Whittier	1,392	

Table 2-12 (Cont.)

Enrollment by School District by City, Los Angeles County, 1985-86

School District	City/Area Served	Enrollment City/Area	Enrollment District Total
Lynwood Unified	Lynwood	13,164	13,164
Manhattan Beach City Elementary	Manhattan Beach	2,244	2,244
Monrovia Unified	Monrovia	5,368	5,368
Montebello Unified	Bell Gardens	11,033	30,346
	Commerce	1,188	
	Los Angeles	2,270	
	Montebello	13,066	
	Monterey Park	1,947	
	Pico Rivera	324	
	South San Gabriel	518	
Mountain View Elementary	El Monte	7,928	7,928
Newhall Elementary	Newhall	1,698	2,949
	Valencia	1,251	
Norwalk-La Mirada Unified	La Mirada	6,322	18,497
	Norwalk	12,175	
Palmdale elementary	Palmdale	5,594	5,594
Palos Verdes Peninsula Unified	Palos Verdes Estates	3,603	10,416
	Rancho Palos Verdes	4,033	
	Rolling Hills Estates	2,780	
Paramount Unified	Long Beach	863	11,128
	Paramount	9,326	
	South Gate	939	
Pasadena Unified	Altadena	4,436	22,468
	Pasadena	17,400	
	Sierra Madre	632	
Pomona Unified	Diamond Bar	1,830	22,548
	Pomona	20,718	
Redondo Beach City Elementary	Redondo Beach	3,797	3,797
Rosemead Elementary	Rosemead	2,501	2,501
Rowland Unified	La Puente	7,970	18,089
	Rowland Heights	7,771	
	Walnut	765	
	West Covina	1,583	
San Gabriel Elementary	San Gabriel	3,023	3,023
San Marino Unified	San Marino	2,736	2,736
Santa Monica-Malibu Unified	Malibu	1,009	9,608
	Santa Monica	8,599	
Saugus Union Elementary	Canyon Country	1,686	4,138
	Saugus	2,452	
Soledad-Agua Dulce Union Elementary	Acton	632	885
	Agua Dulce	253	
South Bay Union High	Manhattan Beach	2,251	4,495
	Redondo Beach	2,244	

Table 2-12 (Cont.)

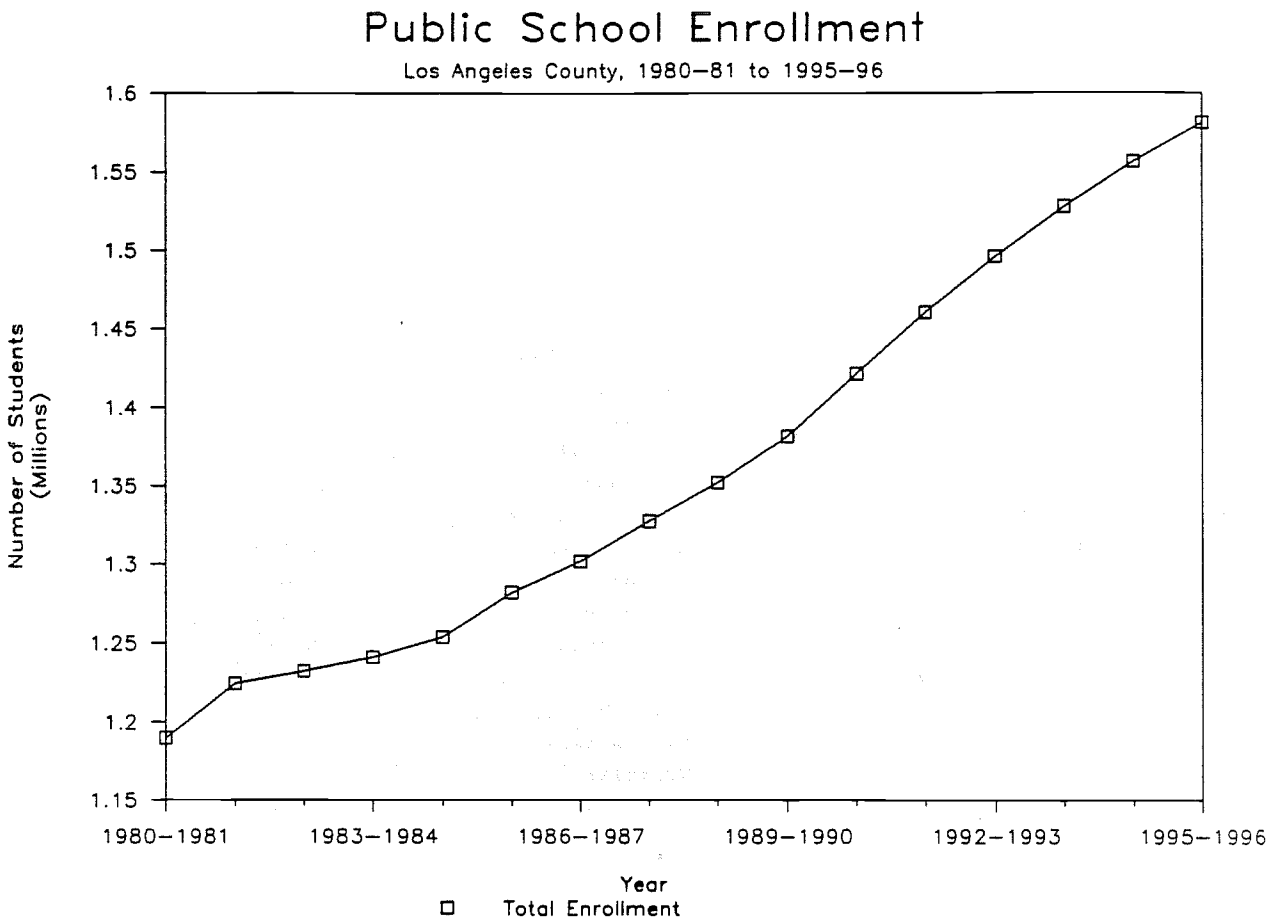
Enrollment by School District by City, Los Angeles County, 1985-86

School District	City/Area Served	Enrollment: City/Area	Enrollment: District Total
South Pasadena Unified	South Pasadena	3,478	3,478
South Whittier Elementary	Whittier	3,340	3,340
Sulphur Springs Union Elementary	Canyon Country	2,086	2,401
	Newhall	315	
Temple City Unified	San Gabriel	442	4,234
	Temple City	3,792	
Torrance Unified	Torrance	19,578	19,578
Valle Lindo Elementary	South El Monte	883	883
Walnut Valley Unified	Diamond Bar	4,810	9,187
	Walnut	4,067	
	Walnut Valley	310	
West Covina Unified	West Covina	8,081	8,081
Westside Union Elementary	Lancaster	595	2,183
	Leona Valley	107	
	Quartz Hill	1,481	
Whittier City Elementary	Whittier	5,677	5,677
Whittier Union High	Sante Fe Springs	1,794	9,872
	Whittier	8,078	
William S. Hart Union High	Canyon Country	2,365	9,232
	Newhall	3,052	
	Saugus	3,023	
	Valencia	792	
Wilsona Elementary	Lancaster	891	891
Wiseburn Elementary	Hawthorne	1,122	1,122
Total		1,281,937	1,281,937

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: 1985).

(a) - Long Beach Unified, Los Angeles Unified and Lowell Joint Elementary cover territory in Orange County and Los Angeles County.

Figure 2-12



Source: California Department of Finance, Projection Summary, K-12 Public School Enrollment, Total Graded Enrollment by County by School Year (Sacramento: 1986).

systems. Table 2-13 shows the number of vehicle miles of travel in the county between 1979 and 1985. Over 45 percent of the vehicle miles of travel in each of these years occurred on state highways.

The major north-south routes through Los Angeles County are the Golden State Freeway/Santa Ana Freeway (Route 5) and the San Diego Freeway (Route 405). There are three freeways which run north out of the Long Beach/Los Angeles harbors; the Harbor Freeway (Route 110), the Long Beach Freeway (Route 710), and the San Gabriel River Freeway (Route 605). The Ventura Freeway, Foothill Freeway, San Bernardino Freeway, Santa Monica Freeway, Pomona Freeway, and Aretsia Freeway are major routes which run east to west in Los Angeles County.

The three railroads which provide freight service in Los Angeles County are: the Atchison, Topeka, and Santa Fe Railroad, the Southern Pacific Railroad, and the Union Pacific Railroad.

2.6.7.2 Marine

Port facilities for deep-draft, ocean-going vessels, and for commercial fishing vessels and recreational boaters are found at Long Beach Harbor and Los Angeles Harbor. Additional facilities for smaller craft are found at King Harbor in Redondo Beach, Marina Del Rey, and various other locations along the coastline of the county. These facilities are discussed more fully in Section 2.10.1.

2.6.7.3 Air

There are 15 airports with landing facilities open to the public which serve Los Angeles County. These are mostly general aviation airports which serve primarily privately owned aircraft. Commercial service is available at the Burbank/Glendale/Pasadena Airport, Long Beach Municipal Airport (Daugherty Field), Los Angeles International Airport, and Van Nuys Airport. Of the 12 publicly owned airports, 5 are owned by Los Angeles County: Compton Airport, El Monte Airport, Brackett Field in La Verne, William J. Fox Airfield in Lancaster, and Whiteman Airport in Los Angeles. Five of the publicly owned airports are city owned: Hawthorne Municipal, Long Beach/Daugherty Field in Long Beach, Los Angeles International, Santa Monica Municipal, and Torrance Municipal. The Van Nuys Airport is owned by the Los Angeles Department of Airports, and the Burbank-Glendale-Pasadena Airport is owned by the Burbank-Glendale-Pasadena Airport. The Agua Dulce Airpark in Agua Dulce, the Catalina Airport on Catalina Island, and the Crystal Airport in Llano are privately owned and operated and are open to the general public. Table 2-14 provides information about some of the characteristics of these airports. In addition, there are nine other privately owned airports which are not regularly open to the public.

There is one military airport in Los Angeles County. This facility is owned by the U.S. Department of the Air Force and is located in the city of Palmdale. Characteristics describing this airport are presented in Table DS 2-16.

Los Angeles County has five heliport facilities which are open to the general public. Three of these facilities are privately owned: Haddicks

Table 2-13

Vehicle Miles of Travel, Los Angeles County, 1979-1985

Year	State Highways: Millions of Vehicle Miles of Travel	State Highways: Percent	All Other Roads: Millions of Vehicle Miles of Travel	All Other Roads: Percent	Total Millions of Vehicle Miles of Travel
1979	22,446	46.8	25,514	53.2	47,960
1980	22,769	49.0	23,685	51.0	46,454
1981	23,707	49.8	23,930	50.2	47,637
1982	23,789	46.8	27,023	53.2	50,812
1983	24,804	45.3	29,982	54.7	54,786
1984	25,436	47.2	28,473	52.8	53,909
1985	26,137	46.4	30,196	53.6	56,333

Source: California Department of Transportation, Vehicle Miles of Travel by County, 1979 through 1983 (Sacramento).
California Department of Transportation, Estimates of Annual Vehicle Miles of Travel on Public Roads by County, 1984 and 1985 (Sacramento).

Table 2-14

Airport Facilities, Los Angeles County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways	Longest Runways (in feet)	Number of Operations Per Year
Agua Dulce	Agua Dulce Airpark	Private	No	1	4,600	General Aviation - 8,600 (a)
Avalon	Catalina	Private	Yes	1	3,240	Air Taxi - 3,768 (a) General Aviation - 52,798 (a) Military - 20 (a)
Burbank	Burbank-Glendale-Pasadena	Burbank-Glendale-Pasadena Apt	Yes	2	6,902	Air Carrier - 48,637 (a) Air Taxi - 42,937 (a) General Aviation - 154,080 (a) Military - 1,176 (a)
Compton	Compton	Los Angeles County	No	2	3,670	Air Taxi - 300 (a) General Aviation - 110,000 (a)
El Monte	El Monte	Los Angeles County	Yes	1	3,995	Air Taxi - 1,930 General Aviation - 190,633 (a) Military - 86 (a)
Hawthorne	Hawthorne Municipal	City of Hawthorne	Yes	1	4,956	Air Taxi - 8,925 (a) Commuter - 509 (a) General Aviation - 117,377 (a) Military - 111 (a)
La Verne	Brackett Field	Los Angeles County	Yes	2	4,839	Air Taxi - 1,650 (a) General Aviation - 205,850 (a) Military - 250 (a)

Table 2-14 (Cont.)

Airport Facilities, Los Angeles County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways	Longest Runways (in feet)	Number of Operations Per Year
Lancaster	General William J Fox Airfield	Los Angeles County	Yes	1	5,001	Air Taxi - 2,000 (a) Commuter - 1,100 (a) General Aviation - 127,800 (a) Military - 4,000 (a)
Llano	Crystal	Private	No	1	4,500	General Aviation - 1,500 (a)
Long Beach	Long Beach/Daugherty Field	City of Long Beach	Yes	5	10,000	Air Carrier - 7,930 (a) Air Taxi - 9,878 (a) General Aviation - 370,313 (a) Military - 1,519 (a)
Los Angeles	Los Angeles International	City of Los Angeles	Yes	4	12,091	Air Carrier - 354,881 (a) Air Taxi - 16,090 (a) Commuter - 144,802 (a) General Aviation - 62,456 (a) Military - 4,319 (a)
Los Angeles	Whiteman	Los Angeles County	No	1	3,725	Air Taxi - 50 (a) General Aviation - 144,096 (a)
Santa Monica	Santa Monica Municipal	City of Santa Monica	Yes	1	4,987	Air Taxi - 159 (a) General Aviation - 178,138 (a) Military - 124 (a)

Table 2-14 (Cont.)

Airport Facilities, Los Angeles County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways	Longest Runways (in feet)	Number of Operations Per Year
Torrance	Torrance Municipal	City of Torrance	Yes	2	5,000	Air Taxi - 10,856 (b) General Aviation - 247,221 (b) Military - 334 (b)
Van Nuys	Van Nuys	Los Angeles Dept. of Airports	Yes	2	8,001	Air Taxi - 257 (a) General Aviation - 487,365 (a) Military - 4,760 (a)

Source: Aircraft Owners and Pilots Association, AOPA's Airports USA (Frederick, MD: 1987).
U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

(a) - Operations for 12 months during various months in 1986.
(b) - Operations for 12 months during various months in 1985.

Note: There are nine other private airports listed in the Airport Master Record which are not included in this table which are not open to the general public.

Heliport in the city of Industry; Heliflight Systems Heliport in Long Beach; and California Federal Plaza Heliport in Los Angeles. Los Angeles International Heliport is owned by Los Angeles County, and Santa Monica Municipal Heliport is owned by the city of Santa Monica. Several characteristics describing these facilities are presented in Table 2-15. In addition, there are 88 other privately owned and 47 other publicly owned heliports which are not open to the general public. The publicly owned heliports are for use primarily by hospitals, fire departments, and police departments.

2.7 Public Finance Profile

Table 2-16 provides a summary of county and city public finance in fiscal years 1980 and 1985. This summary table includes total revenue, total expenditures, net fiscal balance, outstanding debt, and per capita taxes. The total outstanding debt shown in Table 2-16 includes principal and interest payments on long term bonds (except Special Assessment Act bonds) and Lease-Purchase obligations. The per capita tax shown is based on total taxes divided by the total population.

A list of the line items included in the revenue and expenditure categories for city and county governments is included in Table DS 2-17. The disaggregated revenue figures shown in the table are directly comparable between years and governmental units; disaggregated expenditures are not. A complete listing of the expenditure categories used in each year and by each level of government is shown in Table DS 2-18.

City (81 cities in 1980) revenue totaled approximately $3,219.2 million in fiscal year 1980, while expenditures were approximately $3,138.6 million in fiscal year 1980. During this same fiscal year revenue to Los Angeles County totaled almost $3,885.7 million with expenditures of $3,922.0 million. The county, and the cities of Avalon, Bell Gardens, Compton, Hawaiian Gardens, Hidden Hills, Inglewood, La Verne, Los Angeles, Lynwood, Pico Rivera, Rosemead, and San Dimas experienced a fiscal shortfall in fiscal year 1980. In fiscal year 1985, the cities of Azusa, Bell, Beverly Hills, Duarte, El Segundo, Gardena, Hawaiian Gardens, Industry, Lakewood, Maywood, Rancho Palos Verdes, San Dimas, San Gabriel, Santa Monica, Torrance, and West Covina experienced negative fiscal balances. A more detailed profile of county and city revenue and expenditures is included in the data supplement.

The average effective commercial tax rate in Los Angeles County is 1.25 percent. The basic tax rate, which does not differentiate between commercial and residential property, is 1.0 percent per $100.00 of value for all tax code areas in the county. Attached to this rate are any outstanding bonds and other long term debts which are being paid off in individual tax code areas. Personal property, which includes equipment, is assessed separately from real property and depreciated according to a schedule supplied by the state Tax Assessor's Office in Sacramento. Real property, though not assessed each year, is appreciated each year by 2.0 percent of the present value of the property. Real property is reassessed to market value only if the property is sold, there is new construction or a natural or manmade disaster, or if the listed market

Table 2-15

Heliport Facilities, Los Angeles County, 1987

Associated City	Facility Name	Ownership	Instrument Approach	Number of Helipads	Largest Helipad (in feet)
City of Industry	Haddicks Heliport	Private	No	1	107 x 105
Long Beach	Heliflight Systems Heliport	Private	No	1	10,000 x 200
Los Angeles	California Federal Plaza Heliport	Private	No	1	80 x 64
Los Angeles	Los Angeles International Heliport	Los Angeles County	No	2	60 x 60
Santa Monica	Santa Monica Municipal Heliport	City of Santa Monica	No	1	60 x 60

Source: Aircraft Owners and Pilots Association, AOPA's Airports USA, 1987.
U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

Note: There are 88 other private heliports and 47 other public heliports listed in the Airport Master Record which are not included in this table and which are not open to the general public.

Table 2-16

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Total Revenue		Total Expenditures		Fiscal Balance (a)		Total Outstanding Debt		Per Capita Tax Rate (in 1986 dollars)	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Agoura Hills (b)	NA	84,584	NA	$2,983	NA	81,601	NA	$0	NA	$80
Alhambra	19,961	30,123	18,820	29,133	1,141	990	8	0	131	167
Arcadia	17,100	33,413	14,026	19,510	3,074	13,903	27	0	236	221
Artesia	3,285	2,948	3,068	2,370	217	578	0	0	82	102
Avalon	1,782	4,214	2,051	3,822	(269)	392	3,514	2,358	655	545
Azusa	13,683	23,917	10,136	28,997	3,547	(5,080)	0	0	151	114
Baldwin Park	10,639	15,049	10,540	13,931	98	1,118	0	0	72	70
Bell	6,702	7,744	5,630	8,201	1,072	(457)	0	0	100	99
Bellflower	10,789	12,348	9,245	12,124	1,544	225	352	0	82	78
Bell Gardens	6,900	8,357	7,328	6,588	(428)	1,768	0	0	54	94
Beverly Hills	44,850	81,067	33,165	88,362	11,685	(7,295)	12,682	6,613	892	1,043
Bradbury	238	267	200	193	39	74	0	0	108	91
Burbank	55,574	137,840	40,719	133,769	14,855	4,071	8,944	7,265	262	322
Carson	26,971	27,024	23,975	25,327	2,996	1,697	0	0	155	172
Cerritos	18,266	29,320	12,095	18,348	6,171	10,972	8,685	4,806	157	231
Claremont	9,007	10,910	6,496	8,920	2,511	1,990	991	450	113	119
Commerce	17,716	18,104	15,721	18,008	1,995	96	0	0	1,328	1,110
Compton	32,163	50,417	32,973	43,410	(810)	7,007	0	0	127	158
Covina	12,140	17,947	11,902	14,779	238	3,168	80	0	185	190
Cudahy	2,704	3,467	2,184	3,298	520	169	0	0	46	52
Culver City	28,317	36,711	26,635	36,329	1,682	382	106	0	447	581
Downey	25,149	32,766	21,160	28,773	3,989	3,993	309	170	144	177
Duarte	4,599	7,502	3,732	7,551	867	(49)	0	2,475	97	64
El Monte	21,984	31,676	20,241	22,558	1,742	9,118	0	0	155	164
El Segundo	23,270	22,065	12,796	24,366	10,474	(2,301)	0	0	1,151	743
Gardena	19,644	23,704	17,552	23,737	2,092	(34)	0	0	269	316
Glendale	72,313	153,734	60,441	143,652	11,873	10,082	69,094	38,169	191	214

Table 2-16 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Total Revenue		Total Expenditures		Fiscal Balance (a)		Total Outstanding Debt		Per Capita Tax Rate (in 1986 dollars)	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Glendora	9,180	17,301	9,089	15,198	90	2,103	1,682	698	125	147
Hawaiian Gardens	2,133	2,473	2,193	2,576	(60)	(103)	0	0	69	75
Hawthorne	18,387	28,256	18,339	26,661	48	1,595	0	0	149	220
Hermosa Beach	6,697	9,666	5,877	9,233	819	434	0	0	161	208
Hidden Hills	257	328	307	265	(51)	62	0	0	52	79
Huntington Park	10,108	16,434	9,335	15,402	773	1,032	0	0	121	102
Industry	28,727	26,792	27,221	27,543	1,506	(750)	75,444	114,682	25,440	28,816
Inglewood	43,744	68,763	54,631	64,583	(10,887)	4,181	18,959	12,984	226	134
Irwindale	4,716	6,333	2,240	3,205	2,476	3,128	0	0	4,735	2,259
La Canada Flintridge	3,922	4,127	2,155	2,602	1,768	1,526	0	0	30	63
La Habra Heights	1,008	1,524	916	1,369	92	154	0	50	32	66
Lakewood	17,237	20,696	16,535	21,563	702	(867)	4,249	2,198	74	98
La Mirada	9,588	13,461	7,765	10,465	1,823	2,996	0	68	89	109
Lancaster	12,717	18,755	10,679	12,721	2,039	6,034	0	0	97	152
La Puente	6,020	5,681	4,120	4,283	1,899	1,398	0	0	57	62
La Verne	7,648	13,631	8,058	11,028	(411)	2,604	2,866	2,025	104	133
Lawndale	4,558	13,192	4,038	12,969	520	223	0	0	74	81
Lomita	3,951	3,181	3,841	2,855	110	326	0	0	57	70
Long Beach	269,268	566,951	266,916	528,813	2,351	38,138	84,395	141,933	217	279
Los Angeles	1,697,951	3,832,028	1,753,641	3,632,208	(55,690)	199,820	3,348,767	2,317,459	291	340
Lynwood	11,560	13,239	11,614	11,919	(53)	1,321	0	0	101	88
Manhattan Beach	12,056	19,716	11,872	17,367	185	2,349	348	113	138	227
Maywood	3,012	6,672	2,314	8,451	698	(1,779)	0	0	67	71
Monrovia	12,437	16,049	12,255	14,982	182	1,067	652	318	150	207
Montebello	18,486	27,379	15,650	23,104	2,836	4,276	279	0	189	242
Monterey Park	13,920	22,590	13,440	19,628	480	2,962	67	0	124	170
Norwalk	15,755	24,247	13,065	22,434	2,691	1,813	0	0	72	109

Table 2-16 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Total Revenue		Total Expenditures		Fiscal Balance (a)		Total Outstanding Debt		Per Capita Tax Rate (in 1986 dollars)	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Palmdale	3,717	9,136	3,116	6,032	601	3,104	0	0	143	148
Palos Verdes Estates	3,369	7,144	3,031	5,495	338	1,649	0	0	98	226
Paramount	9,984	15,656	9,087	15,170	898	486	0	0	130	108
Pasadena	80,941	186,363	69,261	166,864	11,680	19,499	14,796	21,627	297	331
Pico Rivera	13,464	17,158	14,615	15,028	(1,152)	2,129	0	0	78	106
Pomona	37,070	48,518	34,732	47,253	2,338	1,265	4,905	1,747	215	208
Rancho Palos Verdes	6,034	6,763	4,855	6,999	1,180	(237)	0	0	21	48
Redondo Beach	33,110	39,390	27,810	31,639	5,300	7,751	1,929	0	209	278
Rolling Hills	634	949	597	716	37	234	0	0	52	37
Rolling Hills Estates	3,427	2,990	2,206	2,561	1,221	429	0	0	236	245
Rosemead	7,157	9,085	8,420	7,692	(1,263)	1,393	0	0	71	74
San Dimas	7,245	4,262	8,456	6,937	(1,212)	(2,675)	0	0	97	116
San Fernando	6,909	8,557	5,472	8,355	1,438	202	186	0	193	296
San Gabriel	7,721	8,662	6,365	8,682	1,355	(21)	0	0	152	161
San Marino	4,397	5,868	3,748	5,368	649	500	0	0	173	197
Santa Fe Springs	20,811	33,785	19,592	31,249	1,218	2,535	4,675	2,856	711	1,066
Santa Monica	51,455	93,676	48,455	93,999	3,000	(323)	6,923	0	241	391
Sierra Madre	2,873	3,966	2,397	3,305	476	661	1,270	784	78	99
Signal Hill	5,743	7,490	4,624	6,863	1,119	628	0	0	708	521
South El Monte	6,594	5,343	6,453	4,927	141	416	0	0	199	174
South Gate	16,004	26,746	15,304	25,916	700	830	0	0	104	88
South Pasadena	7,037	9,605	6,138	7,772	899	1,833	0	0	136	140
Temple City	4,186	4,853	3,741	4,758	444	95	0	31	51	71
Torrance	66,194	92,531	64,379	92,873	1,815	(342)	2,919	11,786	276	386
Vernon	12,301	94,923	10,284	89,714	2,018	5,209	0	0	32,822	84,458
Walnut	2,191	6,075	2,075	3,684	116	2,391	0	0	52	63
West Covina	26,414	29,857	22,340	33,460	4,074	(3,603)	0	0	162	164

Table 2-16 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Total Revenue		Total Expenditures		Fiscal Balance (a)		Total Outstanding Debt		Per Capita Tax Rate (in 1986 dollars)	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
West Hollywood (c)	NA	5,470	NA	1,033	NA	4,437	NA	0	NA	50
Westlake Village (d)	NA	2,729	NA	1,679	NA	1,050	NA	0	NA	129
Whittier	21,386	23,776	20,096	22,208	1,290	1,568	1,071	406	143	148
City Subtotal	$3,219,156	$6,438,006	$3,138,585	$6,050,692	$80,571	$387,314	$3,681,174	$2,694,071	$234	$271
County	$3,885,712	$4,367,896	$3,921,985	$4,296,780	($36,273)	$71,116	$16,015	$2,162	$140	$151
City and County	$7,104,868	$10,805,901	$7,060,570	$10,347,472	$44,298	$458,429	$3,697,189	$2,696,233	$185	$207

Source: California State Controller's Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controller's Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
See data supplement table entitled "Government Finance for Los Angeles County and Its Cities, Fiscal Years 1980 and 1985" for a listing of the line items making up individual categories.

(a) - Negative values are expressed in parentheses.

(b) - The city of Agoura Hills was incorporated in 1982.

(c) - The city of West Hollywood was incorporated in 1984.

(d) - The city of Westlake Village was incorporated in 1981.

NA - Not available.

value of the property has been contested (Hank Smith, Los Angeles County Tax Assessor's Office, personal communication, 1987).

2.8 Energy Consumption Profile

Electricity in Los Angeles County is provided by the cities of Azusa, Burbank, Glendale, Pasadena, and Vernon, the Los Angeles Department of Water and Power, Southern California Edison, and the Metropolitan Water District (for the agriculture sector only). Natural gas is provided by the city of Long Beach and by Southern California Gas. Table 2-17 details electricity consumption in the county in 1984 by operating sector and company. The commercial sector was the largest consumer of kilowatt hours. Table 2-18 provides similar information for gas consumption in 1984. The commercial sector was the largest consumer of natural gas in terms of consumption units.

2.9 Land Use Profile

A profile of land use in the coastal portion of Los Angeles County is shown in Table 2-19. The information in this table comes from the periodic land use surveys prepared by the California Department of Water Resources. For Los Angeles County, the most recent survey was conducted in 1979 and 1982 and covers only the coastal portion of the county (i.e., from the Pacific coast to the San Gabriel Mountains). Four classes of land use are presented in this survey -- agriculture, native, urban, and recreation -- and more detail is added through the use of subclasses. There is also an unclassified category used in the survey although it was not used in classifying land use in Los Angeles County. Under this classification scheme, almost 46 percent of the land in the county is in the native classes category. This category includes native vegetation, water surface, barren and wasteland, and unsegregated native classes.

A profile of land owned or leased by the federal government is presented in Table 2-20. Based on information provided by the General Services Administration, there are 280,590 hectares (692,814 acres) of land owned or leased by the federal government in the county. This accounts for 26.5 percent of the county's land area. In comparison, federally owned or leased land accounts for 47.9 percent of the state. The U.S. Air Force owns or leases the majority of the military land in the county, 2,466 hectares (6,089 acres). The U.S. Army and the U.S. Navy own or lease the remainder of the military land in the county. The National Forest Service owns the majority of federal land in the county, 263,900 hectares (651,604 acres), or 95.2 percent of the non-military federally owned or leased land in the county. The Los Padres and Angeles National Forests account for about 263,250 hectares (650,000 acres) of the National Forest Service land in the county.

Land use and land use projections for Los Angeles County for the years 1975 and 2000 are presented in Table 2-21. In 1975, 40.5 percent of the land was classified as vacant, non-urban, and agricultural. This amount is projected to decrease to 36.1 percent of the total by the year 2000. Land classified as residential and open space is projected to increase by the year 2000, to 16.9 percent and 36.1 of the county total, respectively.

Table 2-17

Electricity Consumption by Sector, Los Angeles County, 1984

Sector	Company	Sales (Kilowatt Hours)	Revenue (a)	Average Cost Per Kilowatt Hour (b)
Residential	City of Azusa	52,655,134	$4,710,557	11.18
	City of Burbank	199,905,616	15,577,519	12.83
	City of Glendale	288,602,540	22,200,114	13.00
	LADWAP	6,399,106,714	435,993,153	14.68
	City of Pasadena	241,220,743	13,448,596	17.94
	Southern California Edison	10,095,539,379	NA	NA
	City of Vernon	128,690	5,136	25.06
	Total	17,277,158,816	NA	NA
Commercial	City of Azusa	42,246,595	4,534,245	9.32
	City of Burbank	313,082,739	21,493,185	14.57
	City of Glendale	445,909,182	31,086,842	14.34
	LADWAP	8,911,167,323	553,374,408	16.10
	City of Pasadena	505,810,538	39,641,492	12.76
	Southern California Edison	9,772,266,864	NA	NA
	City of Vernon	140,756,578	10,896,456	12.92
	Total	20,131,239,819	NA	NA
Industrial	City of Azusa	43,906,816	4,322,480	10.16
	City of Burbank	374,261,610	26,138,101	14.32
	City of Glendale	97,740,030	6,711,054	14.56
	LADWAP	3,965,690,266	242,201,843	16.37
	City of Pasadena	88,497,589	6,560,099	13.49
	Southern California Edison	10,284,104,826	NA	NA
	City of Vernon	809,162,910	54,982,989	14.72
	Total	15,663,364,047	NA	NA

Table 2-17 (Cont.)

Electricity Consumption by Sector, Los Angeles County, 1984

Sector	Company	Sales (Kilowatt Hours)	Revenue (a)	Average Cost Per Kilowatt Hour (b)
Agriculture	City of Azusa	3,777,516	430,905	8.77
	City of Burbank	7,646,542	556,867	13.73
	City of Glendale	1,558,260	103,640	15.04
	LADWAP	155,796,557	9,375,770	16.62
	Metro Water District	2,594,005,000	1	NA
	City of Pasadena	23,350,803	1,821,208	12.82
	Southern California Edison	444,108,264	NA	NA
	City of Vernon	3,549,438	310,869	11.42
	Total	3,233,792,380	NA	NA
Unclassified	City of Azusa	70	13	5.38
	City of Burbank	31,402,110	2,533,030	12.40
	City of Glendale	57,930	5,358	10.81
	LADWAP	296,420,343	18,958,089	15.64
	Southern California Edison	186,365,820	NA	NA
	City of Vernon	76,794,117	4,390,680	17.49
	Total	591,040,390	NA	NA
Total		56,896,595,452	$1,532,364,701	NA

Source: California Energy Commission, Assessments Division, Electricity in KWH by County (Sacramento: computer printout, 1987).

(a) - Expressed in 1986 dollars.

(b) - Calculated as sales divided by revenue. Expressed in 1986 dollars.

NA - Not available.

Table 2-18

Gas Consumption by Sector, Los Angeles County, 1984

Sector	Company	Sales (Therms) (a)	Revenue (b)	Average Cost Per Therm (c)
Residential	City of Long Beach	153,901,083	$6,828,834	22.54
	Southern California Gas	942,200,466	591,588,865	1.59
	Total	1,096,101,549	598,417,699	1.83
Commercial	City of Long Beach	124,837,655	68,509,780	1.82
	Southern California Gas	2,181,689,629	1,232,624,628	1.77
	Total	2,306,527,284	1,301,134,408	1.77
Industrial	City of Long Beach	49,872,022	30,664,822	1.63
	Southern California Gas	771,340,802	504,690,361	1.53
	Total	821,212,824	535,355,183	1.53
Agriculture	City of Long Beach	30,685	20,421	1.50
	Southern California Gas	10,744,079	8,146,448	1.32
	Total	10,774,764	8,166,869	1.32
Unclassified	City of Long Beach	281	255	1.10
	Southern California Gas	515,160,759	314,625,448	1.64
	Total	515,161,040	314,625,703	1.64
Total		4,749,777,461	$2,757,699,862	1.72

Source: California Energy Commission, Assessments Division, Gas in Therms by County (Sacramento: computer printout, 1987).

(a) - A therm is defined as approximately 100 cubit feet of natural gas.

(b) - Expressed in 1986 dollars.

(c) - Calculated as sales divided by revenue. Expressed in 1986 dollars.

Table 2-19

Land Use in Coastal Los Angeles County, 1979 and 1982 (a)

Land Use	Amount of Land: Hectares	Amount of Land: Acres	Percent
Agriculture	208,153	513,957	23.0
Native Classes (b)	414,498	1,023,453	45.8
Urban Residential	171,843	424,303	19.0
Urban Commercial	33,055	81,618	3.6
Urban Industrial	37,341	92,200	4.1
Extracting Industries (c)	856	2,114	0.1
Urban Vacant	31,186	77,002	3.4
Suburban Residential	9,264	22,875	1.0
Recreational Residential	155	382	0.0
Recreational Commercial	87	215	0.0
Recreational Vehicle and Camp Site	333	822	0.0
Total	905,915	2,236,827	100.1

Source: California Department of Water Resources, Land Use in Acres, County Summary (Sacramento: 1980 and 1984).

(a) - Includes the area from the Pacific coast to the San Gabriel Mountains.

(b) - Includes native vegetation, riparian vegetation, water surface, barren and wasteland, and unsegrated native classes.

(c) - Includes oil fields, rock quarries, gravel pits, public dumps, rock and gravel processing plants. The figure is not included in the total.

Table 2-20

Acreage Owned/Leased by the Federal Government
Los Angeles County, 1986

	Hectares	Acres	Percent of Total
Total	280,589.8	692,814.3	100.0
Owned	279,904.4	691,121.9	99.8
Leased	685.4	1,692.4	0.2
Urban	7,795.7	19,248.6	2.8
Owned	7,522.4	18,573.9	2.7
Leased	273.3	674.7	0.1
Rural	272,794.1	673,565.7	97.2
Owned	272,381.9	672,548.0	97.1
Leased	412.2	1,017.7	0.1
Military	3,317.0	8,190.1	1.2
Owned	3,204.4	7,912.0	1.1
Leased	112.6	278.1	0.0
Nonmilitary	277,272.8	684,624.2	98.8
Owned	276,700.2	683,210.3	98.6
Leased	572.6	1,413.9	0.2

Source: General Services Administration (Washington D.C.: computer printout, microfiche, 1987).

Table 2-21

Land Use Projections

Los Angeles County, 1975 and 2000

Land Use Type	1975 Hectares	1975 Acres	1975 Percent	2000 Hectares	2000 Acres	2000 Percent	Difference 1975 to 2000 (Acres)
Residential	165,524	408,700	15.6	178,443	440,600	16.9	31,900
Low Density	144,585	357,000	13.7	151,754	374,700	14.3	17,700
Medium/High Density	20,939	51,700	2.0	26,690	65,900	2.5	14,200
Commercial	19,602	48,400	1.9	22,802	56,300	2.2	7,900
Industrial	34,385	84,900	3.2	40,905	101,000	3.9	16,100
Public and Semi-Public Facilities	44,307	109,400	4.2	52,731	130,200	5.0	20,800 (a)
Vacant, Non-Urban, and Agricultural (b)	428,976	1,059,200	40.5	381,753	942,600	36.1	(116,600)
Open Space (c)	365,594	902,700	34.5	381,753	942,600	36.1	39,900
Total	1,058,387	2,613,300	100.0	1,058,387	2,613,300	100.0	

Source: Los Angeles County Department of Regional Planning, Los Angeles County General Plan, Part III: Land Use Use Element (Los Angeles: 1982).

(a) - Includes the 17,300 acre proposed Palmdale Airport.

(b) - Includes Significant Ecological Areas/Habitat Management.

(c) - Committed to long term open space use.

Note: Low density is defined as 1 to 12 units per gross acres; medium/high density, as 12 to more than 22 dwellings per gross acre.

Totals may not add due to rounding.

Negative numbers are expressed in parentheses.

The number of farms and land used for farming in Los Angeles County in 1969, 1974, 1978, and 1982 are shown in Table 2-22. In 1982, 12.2 percent of the land in the county was used for farming.

2.10 Characteristics of Other Marine Activities

2.10.1 Port Capacity and Marine Traffic

A harbor is an area along the coast which may provide protection and shelter to ocean-going vessels. Some harbors, large and deep enough to support heavy boat traffic and in the vicinity of a city or town, contain a collection of terminal or port facilities. These harbors are sometimes called ports and may or may not contain the name of its affiliated city. Other harbors are simply coves, where boaters may find limited protection from a storm. Port facilities may exist that allow for the loading and off-loading of goods but do not provide a shelter for vessels. Temporary and permanent mooring accommodations for vessels may also be provided.

The port facilities for deep-draft, ocean-going vessels are located at Long Beach Harbor and Los Angeles Harbor, both in San Pedro Bay. Both harbors are major ports along the Pacific coast for international, intracoastal, and intercoastal trade. Port facilities are also available for commercial fishing vessels and recreational boaters. These facilities are located at the Long Beach Marina, and at various places in the Los Angeles Harbor. Long Beach Harbor is administered by the city of Long Beach Harbor Department, and Los Angeles Harbor is administered by the city of Los Angeles Harbor Department (Pacific Boating Almanac, 1983).

Long Beach Harbor, on the eastern part of San Pedro Bay, includes the city of Long Beach and part of Terminal Island where the U.S. Naval Shipyard and U.S. Naval Station are located. The total and top ten freight traffic commodities, in short tons, passing through Long Beach Harbor in 1980 and 1984 are presented in Table 2-23. In 1980, 38.8 million short tons of freight passed through the harbor, increasing to 42.8 million short tons in 1984. The major commodity shipped in both 1980 and 1984 was crude petroleum, with 53.3 percent and 40.7 percent of the total, respectively. The other major commodities shipped in 1980 included coke and petroleum coke, residual fuel oil, corn, iron and steel shapes, distillate fuel oil, fresh fruit and tree nuts, basic chemicals and products, oats, and limestone. In 1984, the other major commodities shipped were residual fuel oil, coke and petroleum coke, corn, iron and steel shapes, basic chemicals and products, distillate fuel oil, electrical machinery and equipment, paper waste and scrap, and motor vehicles, parts, and equipment. Vessel traffic for Long Beach Harbor from 1971 to 1984 is presented in Figure 2-13. Vessel traffic rose to its highest level in 1981. Traffic declined slightly in 1982 and 1983 before increasing again in 1984.

The Long Beach Harbor consists of three harbors connected by channels. The main channel leading into the harbor is maintained to a minimum depth of 11 meters (35 feet). A naval restricted area has been established around the naval shipyard and naval station on Terminal Island. An explosive anchorage zone has been established in the Long Beach Harbor

Table 2-22

Farms in Los Angeles County 1969, 1974, 1978, and 1982

Characteristic	1969	1974	1978	1982
Number of Farms	2,804	1,797	1,952	2,331
Land in Farms				
Hectares	225,896.9	162,202.5	149,469.7	128,691.6
(Acres)	(557,770)	(400,500)	(369,061)	(317,757)
Average Farm Size				
Hectares	80.6	90.3	76.5	55.1
(Acres)	(199)	(223)	(189)	(136)
Percent of County Land in Farms	21.4	15.4	14.4	12.2
Percent of California Land in Farms	1.6	1.2	1.1	1.0
Percent of Total Farms in California	3.6	2.7	2.4	2.8

Source: U.S. Department of Commerce, Bureau of the Census, 1974 and 1982 Census of Agriculture, vol. 1, part 5.

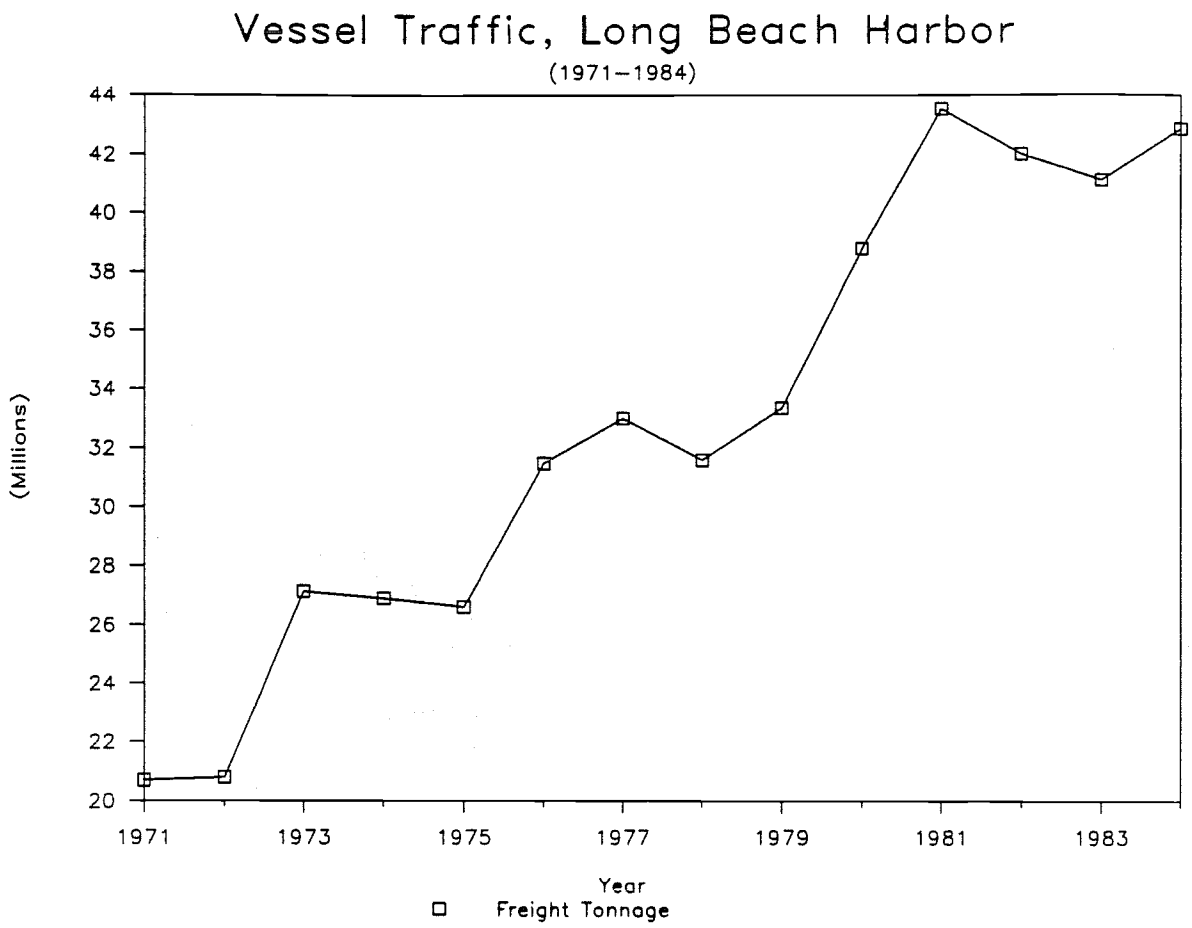
Table 2-23

Top Ten Freight Traffic Commodities, Long Beach Harbor, 1980 and 1984

1980			1984		
Commodity	Freight Traffic (in short tons)	Percent of Total	Commodity	Freight Traffic (in short tons)	Percent of Total
Total	38,779,672	100.0%	Total	42,848,658	100.0%
Crude Petroleum	20,652,708	53.3	Crude Petroleum	17,456,069	40.7
Coke and Petroleum Coke	2,801,788	7.2	Residual Fuel Oil	6,368,992	14.9
Residual Fuel Oil	2,003,041	5.2	Coke and Petroleum Coke	4,076,238	9.5
Corn	1,981,308	5.1	Corn	1,441,179	3.4
Iron, Steel Shapes, Except Sheet	1,086,108	2.8	Iron, Steel Shapes, Except Sheet	1,294,051	3.0
Distillate Fuel Oil	750,296	1.9	Basic Chemicals and Products, Not Elsewhere Classified	882,031	2.1
Fresh Fruit and Tree Nuts	619,903	1.6	Distillate Fuel Oil	637,477	1.5
Basic Chemicals and Products, Not Elsewhere Classified	581,453	1.5	Electrical Machinery and Equipment	621,112	1.4
Oats	571,191	1.5	Paper Waste and Scrap	613,009	1.4
Limestone	453,821	1.2	Motor Vehicles, Parts, and Equipment	517,737	1.2

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, pt. 4, 1980 and 1984.

Figure 2-13



Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, pt. 4, 1980 and 1984.

for vessels carrying, loading, and unloading explosives (U.S. Department of the Army, Corps of Engineers, 1979).

There are 66 piers, wharves, and docks in Long Beach Harbor with facilities for use by deep-draft, ocean-going vessels. These facilities are divided among the three basins and the channels, with the majority located in the east and southeast basins. Most of the major facilities are owned by Long Beach Harbor. There is about 162 hectares (400 acres) of open storage space, and about 139,333 square meters (1,500,000 square feet) of warehouse space in the Long Beach Harbor area (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1987). Bunkering pipelines serve the outer and middle harbors, extending from a tank farm located in the outer harbor area. There are 55 fueling stations located among the three harbors, as well as fuel barges, which supply fuel to deep-draft vessels. There are 16 container handling cranes, and 3 gantry cranes in the harbor for use by shippers. Railroad service in Long Beach Harbor is provided by the Atchison, Topeka, and Santa Fe Railroad, Union Pacific Railroad, and Southern Pacific Railroad (U.S. Department of the Army, Corps of Engineers, 1979).

Los Angeles Harbor, located on the west side of San Pedro Bay, includes the districts of Wilmington, San Pedro, and Terminal Island. The total and top ten freight traffic commodities, in short tons, passing through Los Angeles Harbor in 1980 and 1984 are presented in Table 2-24. In 1980, 30.2 million short tons of freight passed through the harbor, increasing to 31.2 million short tons in 1984. The major commodity shipped in 1980 was crude petroleum, accounting for 33.2 percent of the total. Other commodities shipped in 1980 included residual fuel oil, gasoline, distillate fuel oil, iron and steel scrap, coal and lignite, iron and steel shapes, lubricating oils and greases, basic chemicals and products, and motor vehicles, parts and equipment. In 1984, the major commodity passing through Los Angeles Harbor was residual fuel oil, accounting for 31.9 percent of the total. Other major commodities shipped in 1984 were crude petroleum, distillate fuel oil, gasoline, coal and lignite, iron and steel scrap, iron and steel shapes, basic chemicals and products, motor vehicles, parts, and equipment, and fabricated metal products. Vessel traffic for Los Angeles Harbor from 1971 to 1984 is presented in Figure 2-14. Vessel traffic rose to its highest point in 1982, after a decline in 1979 and 1980, compared to the prior year. Traffic then dropped considerably in 1983, to its lowest point since 1974, but rose again in 1984.

There are two major basins in the Los Angeles Harbor area: the inner harbor and the outer harbor. The tanker channel, which extends west off the main channel, is maintained to a depth of at least 12 meters (40 feet). The Cerritos Channel connects the inner harbor of Los Angeles Harbor with the inner harbor of Long Beach Harbor (Pacific Boating Almanac, 1983).

There are over 100 piers, wharves, and docks in the Los Angeles Harbor for use by deep-draft, ocean-going vessels. The majority of the piers and wharves are owned by the city of Los Angeles. There are about 190 hectares (469 acres) of open storage space, and about 162,556 square meters (1,750,000 square feet) of warehouse storage space in the harbor area. These areas are all accessible to railway service and arterial

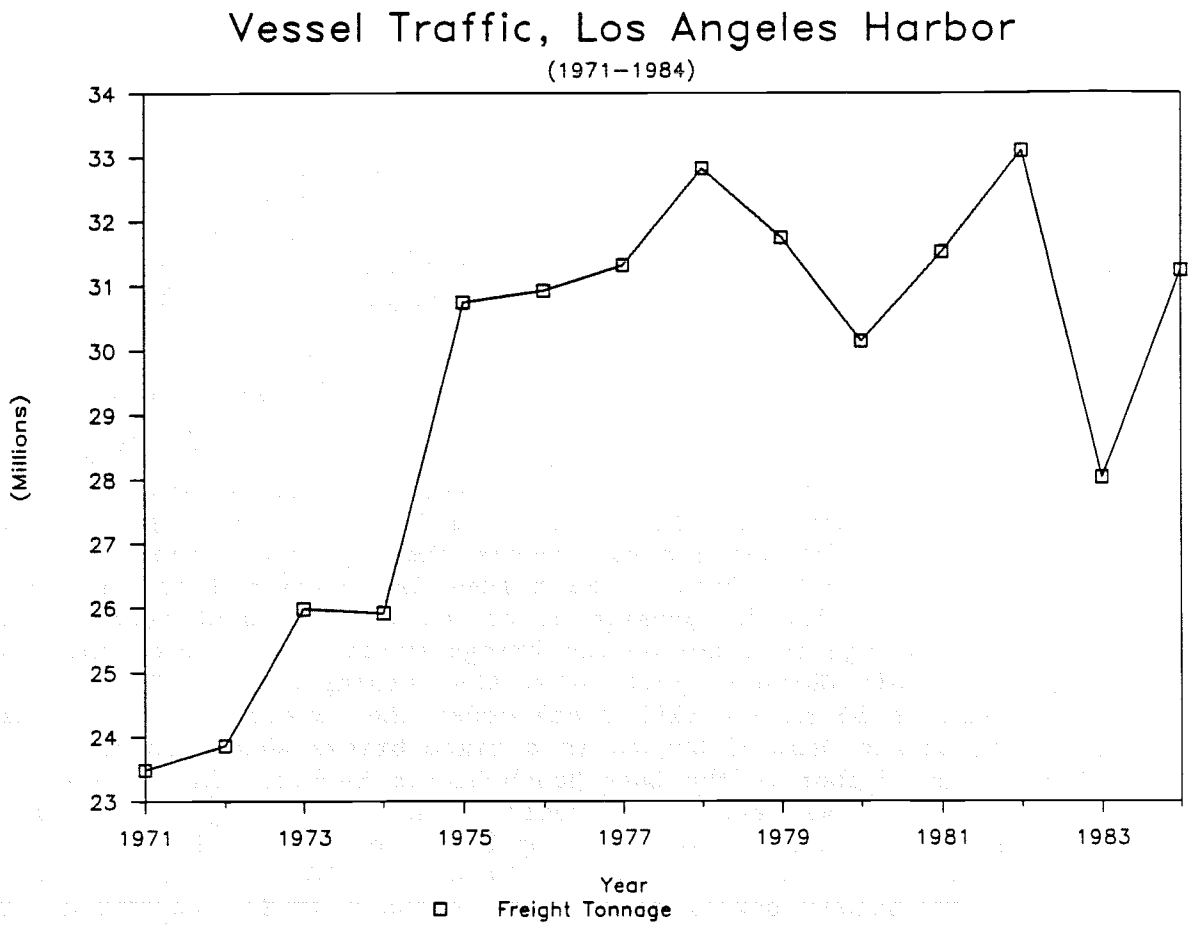
Table 2-24

Top Ten Freight Traffic Commodities, Los Angeles Harbor, 1980 and 1984

1980			1984		
Commodity	Freight Traffic (in short tons)	Percent of Total	Commodity	Freight Traffic (in short tons)	Percent of Total
Total	30,151,053	100.0%	Total	31,242,369	100.0%
Crude Petroleum	10,001,397	33.2	Residual Fuel Oil	9,973,060	31.9
Residual Fuel Oil	4,950,309	16.4	Crude Petroleum	4,148,636	13.3
Gasoline	1,835,588	6.1	Distillate Fuel Oil	2,076,577	6.6
Distillate Fuel Oil	1,180,811	3.9	Gasoline	1,866,481	6.0
Iron and Steel Scrap	885,427	2.9	Coal and Lignite	1,134,551	3.6
Coal and Lignite	714,943	2.4	Iron and Steel Scrap	1,058,646	3.4
Iron, Steel Shapes, Except Sheet	631,823	2.1	Iron, Steel Shapes, Except Sheet	922,942	3.0
Lubricating Oils and Greases	626,559	2.1	Basic Chemicals and Products, Not Elsewhere Classified	797,841	2.6
Basic Chemicals and Products, Not Elsewhere Classified	542,057	1.8	Motor Vehicles, Parts, and Equipment	544,467	1.7
Motor Vehicles, Parts, and Equipment	503,352	1.7	Fabricated Metal Products	406,850	1.3

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, pt. 4, 1980 and 1984.

Figure 2-14



Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, pt.4, 1980 and 1984.

highways (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1987).

Port facilities for the receipt and shipment of crude oil and petroleum products for Los Angeles Harbor and Long Beach Harbor are presented in Table 2-25. Information provided includes the berth number, location of the facility (Los Angeles or Long Beach), and the operator of the facility. Also included in Table 2-25 are specifications for each facility: amount of berthing space, availability and capacity of storage tanks, availability of pipelines, availability and capacity of derricks, receipt and/or shipment of crude oil, and receipt and/or shipment of petroleum products.

There are five bridges within the Los Angeles and Long Beach harbor area. The Schuyler F. Heim Highway Bridge is a vertical lift bridge which crosses Cerritos Channel to the north side of Terminal Island. Clearance under the bridge is 11 meters (37 feet) when the lift is down, and 49 meters (162 feet) when the lift is up. The Henry Ford Avenue railroad bridge is a drawbridge which also crosses the Cerritos Channel to the north side of Terminal Island. The bridge is maintained in the open position except to allow for passage of trains and for maintenance. The Vincent Thomas Bridge is a suspension bridge which crosses over the Los Angeles Harbor Main Channel, just below the turning basin. There is a clearance span of 56 meters (185 feet) under the center portion of the bridge. The Gerald Desmond Bridge is a fixed bridge which connects the Long Beach Inner Harbor to the Long Beach Middle Harbor. The bridge has a clearance span of 47 meters (155 feet). The Queen's Way Bridge is a fixed bridge which connects downtown Long Beach to the facilities on Pier J in Long Beach Harbor. A clearance of 11 meters (36 feet) is under the portion of the bridge spanning the main channel (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1987).

Both Los Angeles Harbor and Long Beach Harbor are well equipped to make marine repairs. The largest drydocking facility is located on Terminal Island. It has a lift capacity of 22,000 tons. The largest marine railway is located at the northeast end of Fish Harbor, on Terminal Island. The railway has a hauling power of 1,000 tons. Barge cranes, with a capacity range of 40 to 275 tons, are located in Long Beach Harbor. Graving docks, located at the naval shipyard, are available to merchant vessels during an emergency. Marine railways for smaller vessels are located in both harbors (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1987).

Port facilities for use by the commercial fishing industry are located primarily in the Terminal Island and San Pedro districts. Fish Harbor, located on Terminal Island, is where most of the fishing industry is concentrated. There are two marinas and two fish processing companies in the harbor. Marine supplies, repair facilities, and fuel facilities are also available in the harbor area. There are approximately 225 commercial fishing vessels which have permanent berths and anchorage on Terminal Island (Centaur Associates, Inc., 1981). There are other smaller facilities around the Los Angeles-Long Beach port area for use by commercial fishing vessels.

Table 2-25

Port Facilities for Receipt and Shipment of Crude Oil and Petroleum Products, Los Angeles Harbor and Long Beach Beach Harbor, 1986

Berth Number	Location	Operator(s)	Specifications: Berthing Space in meters (feet)	Meters Alongside	Storage Tanks	Total Tank Capacity	Pipelines to Storage	Derricks	Derrick Capacity	Crude Oil	Petroleum Products
Los Angeles											
45-47	LA: Outer Harbor	Union Oil of California and Mobil Oil Co.	319 (1,063 feet) with mooring platforms	16 meters (51 feet)	No	N/A	No	No	N/A	Receipt	Shipment (Occasional)
70-71	LA: Outer Harbor	GATX Terminals Corp. and Pennzoil Co.	177 (590 feet) with dolphins	12 meters (38 feet)	145	531,000 barrels	Yes	No	N/A	No	Receipt
97-98	LA: west side of Main Channel	Chevron U.S.A., Inc.	255 (848 feet) with dolphins	11 meters (37 feet)	20	800,000 barrels	Yes (a)	No	N/A	No	Receipt and Shipment
101-102	LA: southwest slip and West Basin	Chevron U.S.A., Inc.	236 (785 feet)	11 meters (37 feet)	Yes	NA	Yes	No	N/A	No	Receipt and Shipment
118-119	LA: southwest slip and West Basin	GATX Terminals Corp. and British Petro. (BP) North American Trading	247 (821 feet)	11 meters (35 feet)	18	517,000 barrels	Yes	No	N/A	Receipt	Receipt and Shipment
120	LA: southwest slip and West Basin	Western Fuel Oil Co, Petrolane, Inc., BP North American	121 (401 feet)	10 meters (32 feet)	59	2,500,000 barrels	Yes	No	N/A	Receipt	Receipt and Shipment
148-149	LA: southwest slip and West Basin	Union Oil of Calif. and L.A. Terminals Inc.	183 (608 feet)	10 meters (33 feet)	26	839,000 barrels	Yes	1	NA	No	Receipt and Shipment
150-151	LA: southwest slip and West Basin	Union Oil of Calif. and L.A. Terminals Inc.	221 (736 feet)	10 meters (33 feet)	Yes	NA	Yes	6	1/2-ton	No	Receipt and Shipment
163-164	LA: Slip 1	Golden Eagle Refining Co; Chevron Chemical; Champlain Petroleum	302 (1,005 feet)	11 meters (35 feet)	44	over 1,000,000 barrels	Yes	No	N/A	Receipt	Receipt and Shipment

Table 2-25 (Cont.)

Port Facilities for Receipt and Shipment of Crude Oil and Petroleum Products, Los Angeles Harbor and Long Beach Beach Harbor, 1986

Berth Number	Location	Operator(s)	Specifications: Berthing Space in meters (feet)	Meters Alongside	Storage Tanks	Total Tank Capacity	Pipelines to Storage	Derricks	Derrick Capacity	Crude Oil	Petroleum Products
167-169	LA: Slip 1	Shell Oil Co.	394 (1,314 feet) with dolphins	11 meters (35 feet)	16	535,000 barrels	Yes	5	1-ton	No	Receipt and Shipment
171-173	LA: East Basin Channel	GATX Terminal Corp.	424 (1,412 feet)	11 meters (35 feet)	19	1,000,000 barrels	Yes	No	N/A	Receipt	No
120-121	LA: Terminal Island	ARCO	(b)	23 meters (76 feet)	Yes	(c)	Yes (d)	No	N/A	Receipt	No
215	LA: Terminal Island	BP North American Trading	135 (450 feet) with dolphins	11 meters (35 feet)	Yes	NA	Yes (e)	2	1-ton	No	Receipt and Shipment
216-225	LA: Terminal Island	Indies Terminal Co. and Refiners Marketing Co.	1,345 (4,482 feet)	11 to 14 meters (35-45 feet)	63	180,000 barrels	Yes	No	N/A	No	Receipt and Shipment
237-238	LA: Terminal Island	Mobil Oil Corp., d.b.a., West Coast Pipe Lines	243 (810 feet) with dolphins (f)	11 meters (35 feet)	Yes	NA	Yes	No	N/A	Receipt	Receipt and Shipment
240A and 240B	LA: Terminal Island	Mobil Oil Corp.	(g)	6 to 11 meters (20-35 feet)	22	over 1,000,000 barrels	Yes			Receipt	Receipt and Shipment
Long Beach											
73	LB: Inner Harbor (Channel Two)	Powerline Oil Co.	113 (375 feet) with dolphins	11 to 12 meters (35-40 feet)	9	543,000 barrelss	Yes	2	NA	Receipt	Receipt
76-80	LB: Inner Harbor (Channel Two)	Atlantic Richfield Company	539 (1,795 feet)	11 to 13 meters (36-43 feet)	40	over 2,250,000 barrels	Yes	6	1-ton	Receipt and Shipment	Receipt and Shipment

Table 2-25 (Cont.)

Port Facilities for Receipt and Shipment of Crude Oil and Petroleum Products, Los Angeles Harbor and Long Beach Beach Harbor, 1986

Berth Number	Location	Operator(s)	Specifications: Berthing Space in meters (feet)	Meters Alongside	Storage Tanks	Total Tank Capacity	Pipelines to Storage	Derricks	Derrick Capacity	Crude Oil	Petroleum Products
82-83	LB: Inner Harbor (Channel Two)	National Gypsum, Long Beach Oil Terminals, Toyota Motor Sales, Pasha Industries	330 (1,100 feet)	9 to 12 meters (30-39 feet)	7	410,000 barrels	Yes	No	N/A	No	Receipt
84-87	LB: Inner Harbor (Channel Two)	Texaco, Inc.	623 (2,075 feet) with dolphins	14 to 15 meters (48-51 feet)	Yes	NA	Yes	No	N/A	Receipt	Receipt and Shipment
121	LB: East Basin Pier E	Atlantic Richfield Company	330 (1,100 feet)	20 to 21 meters (65-68 feet)	Yes	NA	Yes	No	N/A	Receipt	No
209	LB: Southeast Basin and Basin Six: Pier A	Exxon Co., U.S.A., Ocean Salt Co., Inc.	165 (550 feet)	12 meters (39-40 feet)	11	402,000 Barrels	Yes	No	N/A	No	Receipt
210	LB: Southeast Basin and Basin Six: Pier A	Exxon Co., U.S.A., Ocean Salt Co., Inc. C. Brewer Terminals	165 (550 feet)	12 meters (39-40 feet)	No	N/A	No	No	N/A	No	Receipt
211A	LB: Southeast Basin and Basin Six: Pier A	Exxon Co., U.S.A.	72 (240 feet)	9 to 11 meters (31-36 feet)	Yes	NA	Yes	No	N/A	NA	NA
242	LB: Southeast Basin and Basin Six: Pier J	C. Brewer Terminals, Inc.	180 (600 feet)	11 to 12 meters (35-39 feet)	Yes	294,000 Barrels	Yes	No	N/A	No	Receipt

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Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Survey, United States Coast Pilot, Vol. 7 (Washington, D.C.: 1987).

(a) - Pipelines continue to company refinery at El Segundo.

(b) - Terminal can handle vessels to 265,000 tons and 330 to 360 meters (1,100 to 1,200 feet) in length.

Table 2-25 (Cont.)

Port Facilities for Receipt and Shipment of Crude Oil and Petroleum Products, Los Angeles Harbor and Long Beach Beach Harbor, 1986

(c) - Facility can handle 128,000 barrels an hour.

(d) - Pipelines lead from the terminal to a tank farm in the rear of the terminal.

(e) - Pipelines continue to refineries at Santa Fe Springs and Huntington Beach.

(f) - Consists of two 68 meter (227 feet) wharves 72 meters (238 feet) apart, for a total of 243 meters (810 feet) along both wharves and dolphins.

(g) - Consists of two 68 meter (226 feet) wharves 111 meters (370 feet) apart.

LA - Los Angeles.

LB - Long Beach.

NA - Not available.

N/A - Not applicable.

Derrick - a hoisting apparatus.

Dolphin - group of pilings in the water to which a vessel can be moored.

Mooring platform - platform located at the terminal facility to which a vessel may anchor for cargo unloading.

Small-craft facilities are found at the Long Beach Marina in Alamitos Bay. The marina is under the jurisdiction of the city of Long Beach Marine Department. A non-anchorage area was established in the entrance channel to the harbor. Port facilities for commercial fishing vessels and recreational boaters are available at the Long Beach Marina. Almost 1,970 berths are available, along with extensive parking and ramp-launching areas for trailer-drawn vessels. Transient berths are also available. Fuel, marine supplies, and repair facilities are available in the harbor area. Repair facilities are able to handle craft up to 20 meters (60 feet) in length or weighing up to 60 tons (Pacific Boating Almanac, 1983).

Additional small-craft facilities are found along the coastline, north of Los Angeles. Santa Monica Bay is located north of Los Angeles, between Point Vicente and Point Dume. The bay area is shallow, except for the waters off Redondo Beach. King Harbor is a small-craft harbor located at Redondo Beach, 8.3 kilometers (4.5 nautical miles) northeast of Palos Verdes Point. The harbor is administered by the city of Redondo Beach. Up to 1,500 berths are available in the harbor area, for use primarily by recreational boaters and commercial fishing vessels. Marine supplies and fuel are available in the harbor (Pacific Boating Almanac, 1983).

Other facilities are found at various places along Santa Monica Bay. Hermosa Beach and Manhattan Beach, located between Redondo Beach and El Segundo, both have fishing piers available to the public. An oil company service pier is located 3.7 kilometers (2 nautical miles) north of Manhattan Beach, with submerged oil pipelines extending north and south of the pier. The city of El Segundo is located 2.0 kilometers (1 nautical mile) inland from the wharf, and has extensive oil refineries with nearly 100 large oil tanks. A restricted area extends for 13 kilometers (7 nautical miles) offshore at El Segundo (Pacific Boating Almanac, 1983).

Marina Del Rey is located 14 kilometers (7.6 nautical miles) north of Redondo Beach and is the site of a large man-made small-craft harbor. The harbor, administered by the Los Angeles County Department of Beaches and Harbors, has almost 6,000 berths available for use by commercial fishing vessels and recreational boaters. Marine supplies, fuel facilities and repair facilities are available. Two boatyards in the harbor area are capable of repairing craft up to 80 tons. Medical facilities are available in the harbor and there is a hospital nearby. Just north of the harbor, in Venice, is the 330 meter (1,100 foot) long Los Angeles City public fishing pier. The city of Santa Monica is located 6.4 kilometers (3.5 nautical miles) north of Marina Del Rey. No water commerce is available, however there is a large pleasure pier with special anchorage allowed off the pier (Pacific Boating Almanac, 1983).

For 29 kilometers (16 nautical miles) along the coast, from Santa Monica to Point Dume, the shoreline is bold and rocky, providing few areas of anchorage for mariners. Kellers Shelter, at Malibu Beach, 16.6 kilometers (9 nautical miles) west of Santa Monica, has a fishing and pleasure pier, and offers protection for boaters. Similar conditions are found at Paradise Cove, located 3.7 kilometers (2 nautical miles) northeast of Point Dume (Pacific Boating Almanac, 1983).

2.10.2 Commercial Fishing Summary

The major ports for commercial fishing activity in Los Angeles County are Terminal Island, San Pedro, and Wilmington. Other ports in the county are Avalon, Carson, Granada Hills, Hermosa Beach, Inglewood, Los Angeles, Long Beach, Malibu, Playa Del Rey, Point Dume, Redondo Beach, Santa Monica, Venice, and Walnut. Landings, by weight (1980 to 1985) and value (1980 and 1985), of major species, and summary statistics by major species, for 1980 and 1985, separately for Terminal Island, San Pedro, and Wilmington, are presented in Tables 2-26 through 2-31. Landings, by weight (1980 to 1985), of major species, and summary statistics by major species, for 1980 and 1985, for all other ports in Los Angeles County, are provided in Tables 2-32 and 2-33.

In 1980, landings by weight for Terminal Island, San Pedro, Wilmington, and all other ports totaled over 330.1 million pounds, 36.0 million pounds, 15.8 million pounds, and 1.6 million pounds, respectively (see Tables 2-26, 2-28, 2-30, and 2-32). Total landings by weight for the county in 1980 were approximately 383.5 million pounds, with Terminal Island accounting for 86.1 percent of total landings. In 1985, landings by weight for Terminal Island, San Pedro, Wilmington, and all other ports were 110.3 million pounds, 35.0 million pounds, 10.3 million pounds, and 4.3 million pounds, respectively. Total landings by weight for the county in 1985 were approximately 160.0 million pounds, with Terminal Island accounting for 69.0 percent of total landings.

The value of landings for Terminal Island, San Pedro, and Wilmington are presented in Tables 2-26, 2-28, and 2-30. In 1980, value of landings for Terminal Island, San Pedro, and Wilmington were $152.7 million, $10.9 million, and $2.1 million, respectively. In 1985, the value of landings for these three ports were $27.7 million, $9.9 million, and $1.6 million, respectively. The value of landings for all other ports in Los Angeles County is not available.

In 1980, tuna accounted for the largest percent of landings by weight for Terminal Island, with 57.8 percent (see Table 2-27). The other major species with landings of 10 percent or more by weight in 1980 were "other" fish with 22.2 percent and herring and anchovy with 19.2 percent. In 1985, "other" fish accounted for the largest percent of total landings by weight for Terminal Island (52.8 percent). Other major species with landings of 10 percent or more of total weight in 1985 was tuna, with 47.2 percent of the total. In both 1980 and 1985, tuna accounted for the largest percent of total value of landings for Terminal Island, with 92.4 percent and 81.7 percent, respectively. In 1985, "other" fish had a value of landings of 10 percent or more (18.0 percent of the total).

In 1980, the major species with the largest percent of landings by weight for San Pedro was mollusk, with 38.8 percent of the total (see Table 2-29). The other major species with landings of 10 percent or more of the total weight in 1980 was "other" fish, with 36.4 percent. In 1985, "other" fish accounted for the largest percent of landings by weight for San Pedro, with 53.7 percent of the total. Other major species with landings of 10 percent or more of total weight in 1985 were tuna, with 21.5 percent, and mollusk, with 17.0 percent. The major species with the largest percent of total value of landings for San Pedro, for both 1980

Table 2-26

Landings, by Weight (1980 to 1985) and Value (1980 and 1985), of Major Species, Terminal Island, Los Angeles County

Major Species	Weight of Landings (Pounds) 1980	1981	1982	1983	1984	1985	Average Weight 1980 to 1985	Value of Landings (in 1986 dollars) 1980	1985
Crustaceans									
Crab, Lobster and Crayfish	114	1,507	1,370	26	623	151	631.8	333	713
Shrimp and Prawns	0	13,176	0	0	1,059	542	2,462.8	0	268
Flatfish	6,290	11,571	510	35,840	46,682	22,793	20,614.3	12,795	44,619
Hake and Cod	0	0	6	934	0	0	156.7	0	0
Herring and Anchovy	63,341,504	83,931,894	71,267,422	196,500	355,500	0	36,515,470.0	2,106,151	0
Lingcod	73	0	12	0	1,507	287	313.2	49	211
Marine Plants	0	0	0	0	5	0	0.8	0	0
Mollusk	1,764,563	3,416,112	710,143	1,080	377	12,274	984,091.5	107,370	3,645
Other - Fish	73,252,298	66,176,705	75,430,004	64,697,761	67,435,722	58,190,643	67,530,522.2	8,740,134	4,981,317
- Invertebrates	142,080	378,814	339,735	12,995	80,897	6,490	160,168.5	34,111	1,378
- Vertebrates	0	0	0	0	0	0	0.0	0	0
Rockfish	126,250	285,289	354,277	100,800	220,922	33,259	186,799.5	76,652	19,351
Sablefish	0	0	2	15,257	8,467	240	3,994.3	0	78
Salmon	0	0	0	0	0	0	0.0	0	0
Sanddab	230	193	0	0	0	0	70.5	247	0
Shark, Skates and Ray	523,943	726,218	456	3,014	50,826	17,013	220,245.0	478,574	18,695
Smelt	494	0	0	0	0	0	82.3	132	0
Tuna	190,952,100	164,530,648	136,721,771	153,276,411	133,410,233	52,002,665	138,482,304.7	141,134,422	22,634,655
Subtotal: Finfish (a)	328,203,182	249,864,627	208,684,191	153,641,751	134,175,034	52,082,747	187,775,255.3	143,843,132	22,718,987
Total	330,109,939	319,472,127	284,825,708	218,340,618	201,612,820	110,286,357	244,107,928.2	$152,690,968	$27,704,930

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna and other fish.

Table 2-27

Commercial Fishing Summary by Major Species, Terminal Island, Los Angeles County, 1980 to 1985 (a)

	1980			1985		
Major Species	Percent of Total Pounds	Percent of Total Value of Landings	Unit Price	Percent of Total Pounds	Percent of Total Value of Landings	Unit Price
Crustaceans						
Crab, Lobster and Crayfish	0.0	0.0	$2.92	0.0	0.0	$4.72
Shrimp and Prawns	0.0	0.0	0.00	0.0	0.0	0.50
Flatfish	0.0	0.0	2.03	0.0	0.2	1.96
Hake and Cod	0.0	0.0	0.00	0.0	0.0	0.00
Herring and Anchovy	19.2	1.4	0.03	0.0	0.0	0.00
Lingcod	0.0	0.0	0.67	0.0	0.0	0.73
Marine Plants	0.0	0.0	0.00	0.0	0.0	0.00
Mollusk	0.5	0.1	0.06	0.0	0.0	0.30
Other - Fish	22.2	5.7	0.12	52.8	18.0	0.09
- Invertebrates	0.0	0.0	0.24	0.0	0.0	0.21
- Vertebrates	0.0	0.0	0.00	0.0	0.0	0.00
Rockfish	0.0	0.1	0.61	0.0	0.1	0.58
Sablefish	0.0	0.0	0.00	0.0	0.0	0.33
Salmon	0.0	0.0	0.00	0.0	0.0	0.00
Sanddab	0.0	0.0	1.08	0.0	0.0	0.00
Shark, Skates and Ray	0.2	0.3	0.91	0.0	0.1	1.10
Smelt	0.0	0.0	0.27	0.0	0.0	0.00
Tuna	57.8	92.4	0.74	47.2	81.7	0.44
Subtotal: Finfish (b)	99.4	94.2	0.44	47.2	82.0	0.44
Total	100.0	100.0	$0.46	100.0	100.0	$0.25

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - See Table 2-26 for total pounds and total value of landings. Unit price is expressed in 1986 dollars.

(b) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna, and other fish.

Table 2-28

Landings, by Weight (1980 to 1985) and Value (1980 and 1985), of Major Species, San Pedro, Los Angeles County

Major Species	Weight of Landings (Pounds) 1980	1981	1982	1983	1984	1985	Average Weight 1980 to 1985	Value of Landings (in 1986 dollars) 1980	1985
Crustaceans									
Crab, Lobster and Crayfish	329,007	362,852	229,003	226,819	342,082	354,834	307,432.8	556,267	489,353
Shrimp and Prawns	56	4,505	3,143	6	259,663	86,868	59,040.2	82	33,225
Flatfish	69,096	137,459	130,161	98,453	138,658	180,630	125,742.8	136,509	339,050
Hake and Cod	0	0	0	0	0	0	0.0	0	0
Herring and Anchovy	396,727	347,982	416,367	1,514,755	184,014	92,235	492,013.3	24,247	8,537
Lingcod	3,625	9,003	18,471	3,637	3,156	10,873	8,127.5	2,361	6,379
Marine Plants	0	0	0	0	0	0	0.0	0	0
Mollusk	13,947,517	15,014,106	8,916,832	1,998,401	228,466	5,926,645	7,671,994.5	1,432,934	1,014,802
Other - Fish	13,089,589	15,294,248	16,917,238	16,404,437	17,329,322	18,766,232	16,300,177.7	4,304,968	4,819,910
- Invertebrates	2,055,192	3,498,000	2,177,090	2,431,955	1,086,001	403,037	18,242,056.8	464,210	94,653
- Vertebrates	0	0	0	0	0	0	1,941,879.2	0	0
Rockfish	1,198,117	1,197,326	1,277,260	1,062,161	809,454	1,102,510	1,107,804.7	685,607	653,683
Sablefish	556,392	3,468,010	5,085,010	5,413,880	2,046,370	70,940	2,773,433.7	117,984	18,029
Salmon	10	10	10,728	282	0	0	1,838.3	27	0
Sanddab	200	295	179	434	139	1,991	539.7	180	1,158
Shark, Skates and Ray	1,496,625	1,021,294	1,250,665	529,750	600,243	443,690	890,377.8	1,252,817	449,033
Smelt	1,118	4,165	0	0	42,320	410	8,002.2	265	111
Tuna	2,815,964	3,938,704	2,408,059	2,689,280	5,379,611	7,516,001	4,124,603.2	1,965,717	1,927,344
Subtotal: Finfish (a)	19,627,463	13,622,248	12,773,990	13,744,587	10,289,966	9,822,317	13,313,428.5	4,649,923	3,497,977
Total	35,959,235	44,297,959	38,840,206	32,374,250	28,449,499	34,956,896	35,813,007.5	$10,944,175	$9,855,268

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna and other fish.

Table 2-29

Commercial Fishing Summary by Major Species, San Pedro, Los Angeles County, 1980 to 1985 (a)

Major Species	1980 Percent of Total Pounds	1980 Percent of Total Value of Landings	1980 Unit Price	1985 Percent of Total Pounds	1985 Percent of Total Value of Landings	1985 Unit Price
Crustaceans						
Crab, Lobster and Crayfish	0.9	5.1	$1.69	1.0	5.0	$1.38
Shrimp and Prawns	0.0	0.0	1.47	0.2	0.3	0.38
Flatfish	0.2	1.2	1.98	0.5	3.4	1.88
Hake and Cod	0.0	0.0	0.00	0.0	0.0	0.00
Herring and Anchovy	1.1	0.2	0.06	0.3	0.1	0.09
Lingcod	0.0	0.0	0.65	0.0	0.1	0.59
Marine Plants	0.0	0.0	0.00	0.0	0.0	0.00
Mollusk	38.8	13.1	0.10	17.0	10.3	0.17
Other - Fish	36.4	39.3	0.33	53.7	48.9	0.26
- Invertebrates	5.7	4.2	0.04	1.2	1.0	0.23
- Vertebrates	0.0	0.0	0.00	0.0	0.0	0.00
Rockfish	3.3	6.3	0.57	3.2	6.6	0.59
Sablefish	1.5	1.1	0.21	0.2	0.2	0.25
Salmon	0.0	0.0	2.66	0.0	0.0	0.00
Sanddab	0.0	0.0	0.90	0.0	0.0	0.58
Shark, Skates and Ray	4.2	11.4	0.84	1.3	4.6	1.01
Smelt	0.0	0.0	0.24	0.0	0.0	0.27
Tuna	7.8	18.0	0.70	21.5	19.6	0.26
Subtotal: Finfish (b)	54.6	42.5	0.24	28.1	35.5	0.36
Total	100.0	100.0	$0.30	100.0	100.0	$0.28

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - See Table 2-28 for total pounds and total value of landings. Unit price is expressed in 1986 dollars.

(b) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna, and other fish.

Table 2-30

Landings, by Weight (1980 to 1985) and Value (1980 and 1985), of Major Species, Wilmington, Los Angeles County

Major Species	Weight of Landings (Pounds) 1980	1981	1982	1983	1984	1985	Average Weight 1980 to 1985	Value of Landings (in 1986 dollars) 1980	1985
Crustaceans									
Crab, Lobster and Crayfish	8,929	5,759	3,801	15,490	8,866	11,205	9,008.3	40,275	23,106
Shrimp and Prawns	0	0	0	0	0	0	0.0	0	0
Flatfish	0	142	3,072	2,838	1,530	25,121	5,450.5	0	45,672
Hake and Cod	0	0	0	0	0	0	0.0	0	0
Herring and Anchovy	5,600	3,219	382	0	0	0	1,533.5	745	0
Lingcod	0	0	0	0	0	0	0.0	0	0
Marine Plants	0	0	0	0	0	0	0.0	0	0
Mollusk	189,500	195	1,685	2,144	124	832,511	171,026.5	11,083	118,289
Other - Fish	14,985,133	14,985,472	2,629,804	9,890,466	4,090,392	8,436,260		1,884,469	1,214,756
- Invertebrates	0	0	11	5,156	1,275	3,722	9,171,281.8	0	13,870
- Vertebrates	0	0	0	0	0	0	1,694.0	0	0
Rockfish	15,729	8,483	18,021	14,113	1,482	5,100	10,488.0	10,210	4,665
Sablefish	430,201	0	0	0	0	2	71,700.5	91,451	2
Salmon	0	0	0	0	0	0	0.0	0	0
Sanddab	0	8	158	0	13	347	87.7	0	347
Shark, Skates and Ray	55,273	1,392	1,483	33,502	1,006	32,720	20,896.0	51,269	32,060
Smelt	0	0	0	0	0	0	0.0	0	0
Tuna	67,737	41,499	4,798	3,678	5,596	996,423	186,621.8	50,255	171,292
Subtotal: Finfish (a)	15,559,673	54,743	27,925	59,287	10,902	1,063,435	2,795,994.2	203,930	267,907
Total	15,758,102	15,046,169	2,663,215	9,967,387	4,110,284	10,343,411	9,648,094.7	$2,139,757	$1,624,057

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna and other fish.

Table 2-31

Commercial Fishing Summary by Major Species, Wilmington, Los Angeles County, 1980 to 1985 (a)

	1980			1985		
Major Species	Percent of Total Pounds	Percent of Total Value of Landings	Unit Price	Percent of Total Pounds	Percent of Total Value of Landings	Unit Price
Crustaceans						
Crab, Lobster and Crayfish	0.1	1.9	$4.51	0.1	1.4	$2.06
Shrimp and Prawns	0.0	0.0	0.00	0.0	0.0	0.00
Flatfish	0.0	0.0	0.00	0.2	2.8	1.82
Hake and Cod	0.0	0.0	0.00	0.0	0.0	0.00
Herring and Anchovy	0.0	0.0	0.13	0.0	0.0	0.00
Lingcod	0.0	0.0	0.00	0.0	0.0	0.00
Marine Plants	0.0	0.0	0.00	0.0	0.0	0.00
Mollusk	1.2	0.5	0.06	8.0	7.3	0.14
Other - Fish	95.1	88.1	0.13	81.6	74.8	0.14
- Invertebrates	0.0	0.0	0.00	0.0	0.9	3.73
- Vertebrates	0.0	0.0	0.00	0.0	0.0	0.00
Rockfish	0.1	0.5	0.65	0.0	0.3	0.91
Sablefish	2.7	4.3	0.21	0.0	0.0	0.99
Salmon	0.0	0.0	0.00	0.0	0.0	0.00
Sanddab	0.0	0.0	0.00	0.0	0.0	1.00
Shark, Skates and Ray	0.4	2.4	0.93	0.3	2.0	0.98
Smelt	0.0	0.0	0.00	0.0	0.0	0.00
Tuna	0.4	2.3	0.74	9.6	10.5	0.17
Subtotal: Finfish (b)	98.7	9.5	0.01	10.3	16.5	0.25
Total	100.0	100.0	$0.14	100.0	100.0	$0.16

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - See Table 2-30 for total pounds and total value of landings. Unit price is expressed in 1986 dollars.

(b) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna, and other fish.

Table 2-32

Landings, by Weight (1980 to 1985) and Value (1980 and 1985), of Major Species, Other Ports, Los Angeles County

Major Species	Weight of Landings (Pounds) 1980	1981	1982	1983	1984	1985	Average Weight 1980 to 1985	Value of Landings (in 1986 dollars) 1980	1985
Crustaceans									
Crab, Lobster and Crayfish	67,254	103,448	91,094	148,111	542,506	590,643	257,176.0	NA	NA
Shrimp and Prawns	56	0	10	38	42	10	26.0	NA	NA
Flatfish	2,583	3,880	7,184	13,099	5,988	53,014	14,291.3	NA	NA
Hake and Cod	0	0	0	0	0	0	0.0	NA	NA
Herring and Anchovy	477,898	370,260	240,885	263,310	85,615	65,112	250,513.3	NA	NA
Lingcod	0	41	224	305	363	2,824	626.2	NA	NA
Marine Plants	0	0	0	1,395	1,544	0	489.8	NA	NA
Mollusk	133,895	47,833	53,702	57,852	68,417	223,866	97,594.2	NA	NA
Other - Fish	78,702	1,772,370	11,767,546	108,195	366,539	516,306	2,434,943.0	NA	NA
- Invertebrates	651,950	547,360	515,131	150,595	1,486,773	2,369,851	3,388,553.0	NA	NA
- Vertebrates	0	0	0	0	0	0	0.0	NA	NA
Rockfish	171,628	261,334	253,012	190,174	275,207	384,590	255,990.8	NA	NA
Sablefish	589	243	0	390	70	765	342.8	NA	NA
Salmon	0	0	15,749	0	0	0	2,624.8	NA	NA
Sanddab	993	676	280	2	132	522	434.2	NA	NA
Shark, Skates and Ray	17,399	13,149	23,046	17,781	22,687	83,943	29,667.5	NA	NA
Smelt	0	15	40	0	206	85	57.7	NA	NA
Tuna	23,298	21,460	14,281	17,692	18,857	28,738	20,721.0	NA	NA
Subtotal: Finfish (a)	773,090	1,218,418	12,322,247	653,348	1,895,898	2,989,444	3,308,740.8	NA	NA
Total	1,626,245	3,142,069	12,982,184	968,939	2,874,946	4,320,269	4,319,108.7	NA	NA

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna and other fish.

NA - Not Available.

Table 2-33

Commercial Fishing Summary by Major Species, Other Ports, Los Angeles County, 1980 to 1985 (a)

Major Species	1980 Percent of Total Pounds	1980 Percent of Total Value of Landings	1980 Unit Price	1985 Percent of Total Pounds	1985 Percent of Total Value of Landings	1985 Unit Price
Crustaceans						
Crab, Lobster and Crayfish	4.1	NA	NA	13.7	NA	NA
Shrimp and Prawns	0.0	NA	NA	0.0	NA	NA
Flatfish	0.2	NA	NA	1.2	NA	NA
Hake and Cod	0.0	NA	NA	0.0	NA	NA
Herring and Anchovy	29.4	NA	NA	1.5	NA	NA
Lingcod	0.0	NA	NA	0.1	NA	NA
Marine Plants	0.0	NA	NA	0.0	NA	NA
Mollusk	8.2	NA	NA	5.2	NA	NA
Other - Fish	4.8	NA	NA	12.0	NA	NA
- Invertebrates	40.1	NA	NA	54.9	NA	NA
- Vertebrates	0.0	NA	NA	0.0	NA	NA
Rockfish	10.6	NA	NA	8.9	NA	NA
Sablefish	0.0	NA	NA	0.0	NA	NA
Salmon	0.0	NA	NA	0.0	NA	NA
Sanddab	0.1	NA	NA	0.0	NA	NA
Shark, Skates and Ray	1.1	NA	NA	1.9	NA	NA
Smelt	0.0	NA	NA	0.0	NA	NA
Tuna	1.4	NA	NA	0.7	NA	NA
Subtotal: Finfish (b)	47.5	NA	NA	69.2	NA	NA
Total	100.0	NA	NA	100.0	NA	NA

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - See Table 2-32 for total pounds and total value of landings. Unit price is expressed in 1986 dollars.

(b) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna, and other fish.

NA - Not available.

and 1985, was "other" fish, with 39.3 percent and 48.9 percent of the total, respectively. The other major species with a value of landings of 10 percent or more of the total in 1980 were tuna (18.0 percent of the total), mollusk (13.1 percent), and shark, skates, and ray (11.4 percent). The other major species with a value of landings of 10 percent or more of the total in 1985 were tuna, with 19.6 percent and mollusk, with 10.3 percent.

For the port of Wilmington, the major species with the largest percent of landings by weight, for both 1980 and 1985, was "other" fish, with 95.1 percent and 81.6 percent, respectively (see Table 2-31). There were no other major species with landings of 10 percent or more of total weight for both 1980 and 1985. The major species with the largest percent of total value of landings for Wilmington, in both 1980 and 1985, was "other" fish, with 88.1 percent and 74.8 percent, respectively. There were no other major species with a value of landings of 10 percent or more of the total in 1980. In 1985, tuna was the only other major species with a value of landings of 10 percent or more of the total, with 10.5 percent.

For all other ports in Los Angeles County, the major species which accounted for the largest percent of total landings by weight, in both 1980 and 1985, was "other" invertebrates, with 40.1 percent and 54.9 percent, respectively (see Table 2-33). The other major species with landings of 10 percent or more of the total weight in 1980 were herring and anchovy, with 29.4 percent, and rockfish, with 10.6 percent. In 1985, the other major species with landings of 10 percent or more of the total weight were crab, lobster, and crayfish, with 13.7 percent of the total, and "other" fish, with 12.0 percent. A list of fish included in each major species is provided in Table DS 3-19.

2.10.3 Recreational Fishing Activities

Marine recreational fishing statistics for 1980 and 1985 are presented in Tables 2-34, 2-35, 2-36, and 2-37. These are based on the annual estimates of marine recreational fishing activity by the National Marine Fisheries Service (NMFS). The statistics in these four tables cover the NMFS defined area of southern California which includes the following six coastal counties: San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego. The annual estimates are prepared based on combined telephone/interview surveys conducted for six 2-month periods beginning in January and ending in December of each year. Data collected in the interview survey include: fishing mode; residence of participant; area of fishing; avidness of fishermen; and amount, weight and length, by species, of catch. Data collected in the telephone survey cover presence of marine recreational fishermen in household, number of fishermen per household, number of fishing trips in a 2-month period, location of each trip, location of household, and type of place from which the trip occurred.

The number of participants in marine recreational fishing in southern California was estimated to be 2.41 million persons in 1980 and 1.39 million persons in 1985. The number of southern California coastal residents involved in marine recreational fishing was estimated to be

Table 2-34

Estimated Number of Participants in Marine Recreational Fishing, Southern California (a), 1980 and 1985

Residence of Participant	1980 Number	1980 Percent of Total	1985 Number	1985 Percent of Total
Coastal (b)	1,710,000	71.0	994,000	71.6
Non-Coastal (c)	91,000	3.8	50,000	3.6
Out-of-State (d)	607,000	25.2	344,000	24.8
Total	2,408,000	100.0	1,388,000	100.0

Source: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

(a) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

(b) - Coastal resident: fisherman who lived within 25 miles of the coast of one of the six coastal counties included in Southern California and included in the telephone/interview survey used to develop these estimates.

(c) - Non-coastal resident: fisherman who lived in California but in a county not included in the survey.

(d) - Out-of-State resident: fisherman who lived in a state other than California.

Table 2-35

Estimated Number of Fishing Trips by Marine Recreational Fishermen, by Mode of Fishing and Residence of Participant, Southern California (a), 1980 and 1985

(Thousands of Trips)

	1980								1985							
Mode	Coastal(b)	Percent of Total	Non-Coastal(c)	Percent of Total	Out-of-State(d)	Percent of Total	Total	Percent of Total	Coastal	Percent of Total	Non-Coastal	Percent of Total	Out-of-State	Percent of Total	Total	Percent of Total
Man-Made (e)	2,700	30.2	59	0.7	203	2.3	2,962	33.1	1,284	24.3	27	0.5	104	2.0	1,415	26.8
Beach/Bank	1,540	17.2	45	0.5	160	1.8	1,745	19.5	654	12.4	21	0.4	68	1.3	743	14.1
Party/Charter (f)	1,392	15.6	33	0.4	274	3.1	1,699	19.0	947	17.9	19	0.4	186	3.5	1,152	21.8
Private/Rental (g)	2,371	26.5	53	0.6	116	1.3	2,540	28.4	1,826	34.6	43	0.8	98	1.9	1,967	37.3
Total	8,003	89.5	190	2.1	753	8.4	8,946	100.0	4,711	89.3	110	2.1	456	8.6	5,277	100.0

Source: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

(a) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

(b) - Coastal resident: fisherman who lived within 25 miles of the coast of one of the six coastal counties included in Southern California and included in the telephone/interview survey used to develop these estimates.

(c) - Non-coastal resident: fisherman who lived in California but in a county not included in the survey.

(d) - Out-of-State resident: fisherman who lived in a state other than California.

(e) - Man-Made structures include piers, docks, jetties, breakwaters, breachways, bridges and causeways.

(f) - Party/Charter covers party boats and charter boats.

Table 2-36

Estimated Number of Fish Caught, by Area and Mode of Fishing, Southern California (a), 1980 and 1985

(Thousands)

Area	1980 Man-Made(b)	1980 Percent of Total	1980 Beach/Bank	1980 Percent of Total	1980 Party/Charter(c)	1980 Percent of Total	1980 Private/Rental(d)	1980 Percent of Total	1980 Total	1980 Percent of Total	1985 Man-Made	1985 Percent of Total	1985 Beach/Bank	1985 Percent of Total	1985 Party/Charter	1985 Percent of Total	1985 Private/Rental	1985 Percent of Total	1985 Total	1985 Percent of Total
Ocean 5 Kilometers or Less (e)	8,515	19.6	2,792	6.4	8,704	20.0	14,328	32.9	34,339	78.9	3,019	10.9	936	3.4	7,390	26.8	7,197	26.1	18,542	67.2
Ocean More Than 5 Kilometers	0	0.0	0	0.0	3,311	7.6	2,449	5.6	5,760	13.2	0	0.0	0	0.0	3,488	12.6	2,617	9.5	6,105	22.1
Inland (f)	729	1.7	356	0.8	8	0.0	1,212	2.8	2,305	5.3	386	1.4	71	0.3	10	0.0	1,961	7.1	2,428	8.8
Undefined (g)	75	0.2	57	0.1	566	1.3	396	0.9	1,094	2.5	0	0.0	8	0.0	436	1.6	89	0.3	533	1.9
All Areas	9,319	21.4	3,205	7.4	12,589	28.9	18,385	42.3	43,498	100.0	3,405	12.3	1,015	3.7	11,324	41.0	11,864	43.0	27,608	100.0

Source: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

(a) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, San Diego counties.

(b) - Man-made structures include piers, docks, jetties, breakwaters, breachways, bridges, and causeways.

(c) - Party/Charter covers party boats and charter boats.

(d) - Private/Rental covers private boats and rental boats.

(e) - Ocean is divided into two categories: 5 kilometers or less from shore (Territorial Sea) and more than 5 kilometers from shore (Fishing Conservation Zone). Not included are sounds, inlets, rivers, bays, etc.

(f) - Inland is other bodies of saltwater besides the ocean. It includes sounds, inlets, tidal portions of rivers, bays, estuaries and other areas of salt or brackish water.

(g) - This category includes missing data on area, and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "distance from shore".

Table 2-37

Estimated Weight of Fish Caught (Catch Type A) (a), by Area and Mode of Fishing, Southern California (b), 1980 and 1985

(Thousands of Pounds)

	1980										1985									
	Man-Made(c)	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter(d)	Percent of Total	Private/ Rental(e)	Percent of Total	Total	Percent of Total	Man-Made	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter	Percent of Total	Private/ Rental	Percent of Total	Total	Percent of Total
an 5 Kilometers r Less (f)	2,132	7.2	944	3.2	8,743	29.5	8,704	29.3	20,523	69.2	377	2.7	357	2.6	2,908	21.1	3,424	24.9	7,066	51.3
an More Than Kilometers	0	0.0	0	0.0	5,090	17.2	2,178	7.3	7,269	24.5	0	0.0	0	0.0	3,675	26.7	2,119	15.4	5,794	42.1
and (g)	110	0.4	108	0.4	9	0.0	608	2.1	836	2.8	75	0.5	11	0.1	4	0.0	496	3.6	586	4.3
efined (h)	13	0.0	15	0.1	686	2.3	326	1.1	1,041	3.5	0	0.0	0	0.0	309	2.2	20	0.1	328	2.4
Areas	2,255	7.6	1,067	3.6	14,528	49.0	11,817	39.8	29,667	100.0	452	3.3	368	2.7	6,896	50.1	6,058	44.0	13,774	100.0

rce: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

- Catch Type A are fish that were caught, landed whole and available for identification by the interviewer.
- Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.
- Man-made structures include piers, docks, jetties, breakwaters, breachways, bridges, and causeways.
- Party/Charter covers party boats and charter boats.
- Private/Rental covers private boats and rental boats.
- Ocean is divided into two categories: 5 kilometers or less from shore (Territorial Sea) and more than 5 kilometers from shore (Fishing Conservation Zone). Not included are sounds, inlets, rivers, bays, etc.
- Inland is other bodies of saltwater besides the ocean. It includes sounds, inlets, tidal portions of rivers, bays, estuaries and other areas of salt or brackish water.
- This category includes missing data on area, and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "distance from shore".

1.71 million in 1980 and 0.99 million in 1985. This accounted for 71.0 percent of the estimated total participants in 1980 and 71.6 percent of the estimated total participants in 1985 (see Table 2-34). A coastal resident is a fisherman who lives within 40 kilometers (25 miles) of the coast of one of the six coastal counties included in southern California and included in the telephone/interview survey used to develop these estimates. Non-coastal residents of California (including coastal residents from the nine northern California coastal counties) and out-of-state residents accounted for the remainder of participants. In 1980, California non-coastal residents were 3.8 percent of the estimated total and out-of-state residents were 25.2 percent, while in 1985, California non-coastal participation was 3.6 percent and out-of-state participation was 24.8 percent.

The estimated number of fishing trips by marine recreational fishermen, by mode of fishing and residence of participant, in southern California, for 1980 and 1985, is presented in Table 2-35. In 1980, the man-made mode of fishing accounted for the largest percent of total fishing trips (33.1 percent), and for the largest percent of fishing trips by coastal participants (30.2 percent of total trips). In 1985, the private/rental fishing mode accounted for the largest percent of total fishing trips (37.3 percent of total trips), and for the largest percent of total fishing trips by coastal participants (34.6 percent of total trips). In 1980, the most popular mode of fishing for non-coastal participants was the man-made mode (0.7 percent of total trips), while for out-of-state participants, the most popular mode of fishing was the party/charter mode (3.1 percent of total trips). In 1985, the most popular mode of fishing for non-coastal participants was the private/rental mode (0.8 percent of total trips), while for out-of-state participants, the most popular mode was the party/charter mode (3.5 percent of total trips).

The estimated number of fish caught by marine recreational fishermen in southern California, by area and mode of fishing, for 1980 and 1985, is presented in Table 2-36. An estimated 43.5 million fish were caught in 1980 and 27.6 million fish were caught in 1985. In 1980, 78.9 percent of the fish were caught on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/private-rental mode combination having the largest percent (32.9 percent of total fish caught). In 1985, 67.2 percent of the fish were caught on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/party-charter mode combination having the largest percent (26.8 percent of total fish caught). The major species caught, in terms of numbers of fish, was pacific mackerel (22.5 percent of total) in 1980, and chub mackerel (23.4 percent of total) in 1985. The other major species with catches of 10 percent or more of the total were rockfish (22.1 percent) and white croaker (15.1 percent), in 1980, and rockfish (22.2 percent) and bass (20.2 percent), in 1985 (U.S. Department of Commerce, 1984 and 1986).

The estimated weight of fish caught by marine recreational fishermen in southern California, by area and mode of fishing, for 1980 and 1985, is presented in Table 2-37. The figures given are for those fish which are caught, landed whole, weighed, and available for identification (Catch Type A). The remainder of the fish caught but not weighed are used for bait, filleted, discarded dead, or released alive (Catch Type B). In

1980, 29.7 million pounds of fish (Catch Type A) were landed, while 13.8 million pounds were landed in 1985. Of the estimated total landings by weight in 1980, 69.2 percent were landed on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/party-charter mode combination accounting for the largest percent (29.5 percent of total weight). For 1985, 51.3 percent of total weight were landed on the ocean within 5 kilometers (3 miles) of shore, with the ocean more than 5 kilometers (3 miles)/party-charter mode combination accounting for 26.7 percent of the estimated total weight of catch. In both 1980 and 1985, the major species caught by weight, for Catch Type A, was rockfish with 36.5 percent of the total and 33.5 percent of the total, respectively. Other leading species with landings of 10 percent or more of the total weight were pacific mackerel (14.8 percent) and pacific bonito (14.3 percent), in 1980, and tuna (14.1 percent), bass (13.0 percent) and chub mackerel (11.0 percent) in 1985 (U.S. Department of Commerce, 1984 and 1986).

Table 2-38 summarizes recreational-for-hire boat fishing for Los Angeles County, for the years 1980 to 1985. Recreational-for-hire boats include party boats and charter boats. During this 6-year period, the largest number of fish caught and the number of angler days were both greatest in 1981. The number of boats was greatest in 1983.

2.11 References for Table 2-1, Socioeconomic Profile of Los Angeles County

Each data element in Table 2-1, Socioeconomic Profile of Los Angeles County, 1970-2020, is documented in a numbered list of references included on the following pages. Table 2-39, using a similar format to Table 2-1, is a key to these references. Each data cell in the profile table has a corresponding cell in Table 2-39. The numbers in Table 2-39 refer to the numbered data sources in the list of references for the Socioeconomic Profile of Los Angeles County, 1970-2020.

2.12 Data Supplement for Los Angeles County

Some of the information provided for the county is quite lengthy in nature. It has, therefore, been included in a data supplement at the end of this section. An index to the contents of the data supplement is provided on the first page of the data supplement.

Table 2-38

Recreational-for-Hire Boat Fishing Summary
Los Angeles County (a), 1980 to 1985

Totals	1980	1981	1982	1983	1984	1985
Number of Fish Caught	2,000,687	2,037,639	1,630,331	1,117,383	1,000,341	1,184,391
Number of Angler Days	222,223	279,435	257,764	194,538	187,664	196,826
Number of Boats	39	55	50	58	48	47

Source: California Department of Fish and Game, computer printout (Sacramento: 1980 to 1985).

Table 2-39

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Population									
Total - July 1 for 1970-2020	1	1	1	2	2	2	2	2	2
Total - January 1 for 1975-2020, and April 1 for 1970	3	4	4	5	6	7	8	9	9
Agoura Hills	3	4	4	5	6	7	8	9	9
Alhambra	3	4	4	5	6	7	8	9	9
Arcadia	3	4	4	5	6	7	8	9	9
Artesia	3	4	4	5	6	7	8	9	9
Avalon	3	4	4	5	6	7	8	9	9
Azusa	3	4	4	5	6	7	8	9	9
Baldwin Park	3	4	4	5	6	7	8	9	9
Bell	3	4	4	5	6	7	8	9	9
Bellflower	3	4	4	5	6	7	8	9	9
Bell Gardens	3	4	4	5	6	7	8	9	9
Beverly Hills	3	4	4	5	6	7	8	9	9
Bradbury	3	4	4	5	6	7	8	9	9
Burbank	3	4	4	5	6	7	8	9	9
Carson	3	4	4	5	6	7	8	9	9
Cerritos	3	4	4	5	6	7	8	9	9
Claremont	3	4	4	5	6	7	8	9	9
Commerce	3	4	4	5	6	7	8	9	9
Compton	3	4	4	5	6	7	8	9	9
Covina	3	4	4	5	6	7	8	9	9
Cudahy	3	4	4	5	6	7	8	9	9
Culver City	3	4	4	5	6	7	8	9	9

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Downey	3	4	4	5	6	7	8	9	9
Duarte	3	4	4	5	6	7	8	9	9
El Monte	3	4	4	5	6	7	8	9	9
El Segundo	3	4	4	5	6	7	8	9	9
Gardena	3	4	4	5	6	7	8	9	9
Glendale	3	4	4	5	6	7	8	9	9
Glendora	3	4	4	5	6	7	8	9	9
Hawaiian Gardens	3	4	4	5	6	7	8	9	9
Hawthorne	3	4	4	5	6	7	8	9	9
Hermosa Beach	3	4	4	5	6	7	8	9	9
Hidden Hills	3	4	4	5	6	7	8	9	9
Huntington Park	3	4	4	5	6	7	8	9	9
Industry	3	4	4	5	6	7	8	9	9
Inglewood	3	4	4	5	6	7	8	9	9
Irwindale	3	4	4	5	6	7	8	9	9
La Canada Flintridge	3	4	4	5	6	7	8	9	9
La Habra Heights	3	4	4	5	6	7	8	9	9
Lakewood	3	4	4	5	6	7	8	9	9
La Mirada	3	4	4	5	6	7	8	9	9
Lancaster	3	4	4	5	6	7	8	9	9
La Puente	3	4	4	5	6	7	8	9	9
La Verne	3	4	4	5	6	7	8	9	9
Lawndale	3	4	4	5	6	7	8	9	9
Lomita	3	4	4	5	6	7	8	9	9
Long Beach	3	4	4	5	6	7	8	9	9
Los Angeles	3	4	4	5	6	7	8	9	9
Lynwood	3	4	4	5	6	7	8	9	9

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Manhattan Beach	3	4	4	5	6	7	8	9	9
Maywood	3	4	4	5	6	7	8	9	9
Monrovia	3	4	4	5	6	7	8	9	9
Montbello	3	4	4	5	6	7	8	9	9
Monterey Park	3	4	4	5	6	7	8	9	9
Norwalk	3	4	4	5	6	7	8	9	9
Palmdale	3	4	4	5	6	7	8	9	9
Palos Verdes Estates (a	3	4	4	5	6	7	8	9	9
Paramount	3	4	4	5	6	7	8	9	9
Pasadena	3	4	4	5	6	7	8	9	9
Pico Rivera	3	4	4	5	6	7	8	9	9
Pomona	3	4	4	5	6	7	8	9	9
Rancho Palos Verdes	3	4	4	5	6	7	8	9	9
Redondo Beach	3	4	4	5	6	7	8	9	9
Rolling Hills	3	4	4	5	6	7	8	9	9
Rolling Hills Estates	3	4	4	5	6	7	8	9	9
Rosemead	3	4	4	5	6	7	8	9	9
San Dimas	3	4	4	5	6	7	8	9	9
San Fernando	3	4	4	5	6	7	8	9	9
San Gabriel	3	4	4	5	6	7	8	9	9
San Marino	3	4	4	5	6	7	8	9	9
Santa Fe Springs	3	4	4	5	6	7	8	9	9
Santa Monica	3	4	4	5	6	7	8	9	9
Sierra Madre	3	4	4	5	6	7	8	9	9
Signal Hill	3	4	4	5	6	7	8	9	9
South El Monte	3	4	4	5	6	7	8	9	9
South Gate	3	4	4	5	6	7	8	9	9

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
South Pasadena	3	4	4	5	6	7	8	9	9
Temple City	3	4	4	5	6	7	8	9	9
Torrance	3	4	4	5	6	7	8	9	9
Vernon	3	4	4	5	6	7	8	9	9
Walnut	3	4	4	5	6	7	8	9	9
West Covina	3	4	4	5	6	7	8	9	9
West Hollywood	3	4	4	5	6	7	8	9	9
Westlake Village	3	4	4	5	6	7	8	9	9
Whittier	3	4	4	5	6	7	8	9	9
City Total	3	4	4	5	6	7	8	9	9
Unincorporated	3	4	4	5	6	7	8	9	9
Urban	10	52	10						
Rural	10	52	10						
Civilian	11	11	12	13	13	13	13	13	13
Density/Sq. Km.	14	14	14	15	15	15	15	15	15
(Density/Sq. Mi.)	14	14	14	15	15	15	15	15	15
Age									
Under 18	16	52	17	52	52	52	52	17	52
65 And Over	16	52	17	52	52	52	52	17	52
Median	16	52	17	52	52	52	52	17	52
Median Head of Household	18	52	19						
Households									
Number	20	52	21	52	52	52	52	21	52
Median Size	20	52	21	52	52	52	52	21	52

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Education									
Median School									
Years Completed	22	52	23						
Civilian Labor Force									
Employment	24	26	26	26	26	26	26	26	
Employment Rate	24	26	26	26	26	26	26	26	
Unemployment	24	26	26	26	26	26	26	26	
Unemployment Rate	24	26	26	26	26	26	26	26	
Labor Force	24	26	26	26	26	26	26	26	
Place of Employment									
Inside County	27	52	28						
Outside County	27	52	28						
Employment Partici-pation Ratio	25	52	25						
Income									
Total Personal	29	30	31	31	31	31	31		
Per Capita	32	32	32	32	32	32	32		
Median Household		53	54	55	56	57	58		

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Housing									
Total Units	33	34	35	37	38	39	40	41	42
Year Round	33	52	36						
Seasonal	33	52	36						
Occupied	33	52	36						
Owner	33	52	36						
% Owner	33	52	36						
Renter	33	52	36						
% Renter	33	52	36						
Vacancy Rate	33	34	35	37	38	39	40	41	42
Miles of Public Roads	43	44	45	51	46	47	48	51	

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Population							
Total - July 1 for 1970-2020	49	49	49	49	49	49	49
Total - January 1 for 1975-2020, and April 1 for 1970							
Agoura Hills							
Alhambra							
Arcadia							
Artesia							
Avalon							
Azusa							
Baldwin Park							
Bell							
Bellflower							
Bell Gardens							
Beverly Hills							
Bradbury							
Burbank							
Carson							
Cerritos							
Claremont							
Commerce							
Compton							
Covina							
Cudahy							
Culver City							

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Downey							
Duarte							
El Monte							
El Segundo							
Gardena							
Glendale							
Glendora							
Hawaiian Gardens							
Hawthorne							
Hermosa Beach							
Hidden Hills							
Huntington Park							
Industry							
Inglewood							
Irwindale							
La Canada Flintridge							
La Habra Heights							
Lakewood							
La Mirada							
Lancaster							
La Puente							
La Verne							
Lawndale							
Lomita							
Long Beach							
Los Angeles							
Lynwood							

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Manhattan Beach							
Maywood							
Monrovia							
Montbello							
Monterey Park							
Norwalk							
Palmdale							
Palos Verdes Estates (a)							
Paramount							
Pasadena							
Pico Rivera							
Pomona							
Rancho Palos Verdes							
Redondo Beach							
Rolling Hills							
Rolling Hills Estates							
Rosemead							
San Dimas							
San Fernando							
San Gabriel							
San Marino							
Santa Fe Springs							
Santa Monica							
Sierra Madre							
Signal Hill							
South El Monte							
South Gate							

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
South Pasadena							
Temple City							
Torrance							
Vernon							
Walnut							
West Covina							
West Hollywood							
Westlake Village							
Whittier							
City Total							
Unincorporated							
Urban							
Rural							
Civilian							
Density/Sq. Km.	50	50	50	50	50	50	50
(Density/Sq. Mi.)	50	50	50	50	50	50	50
Age							
Under 18	17	17	17	52	52	52	17
65 And Over	17	17	17	52	52	52	17
Median	17	17	17	52	52	52	17
Median Head of Household							
Households							
Number	21	21	21				
Median Size	21	21	21				

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Education							
Median School							
Years Completed							
Civilian Labor Force							
Employment							
Employment Rate							
Unemployment							
Unemployment Rate							
Labor Force							
Place of Employment							
Inside County							
Outside County							
Employment Partici-							
pation Ratio							
Income							
Total Personal							
Per Capita							
Median Household							

Table 2-39 (Cont.)

Key to the References for the Socioeconomic Profile of Los Angeles County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Housing							
Total Units							
Year Round							
Seasonal							
Occupied							
Owner							
% Owner							
Renter							
% Renter							
Vacancy Rate							
Miles of Public Roads							

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

[1]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table B-3.

Note: Figures are as of July 1.

[2]California Department of Finance, Population Research Unit. 1987. State and County Population Estimates to July 1, 1986 (Provisional). Report 86 E-2. Sacramento. January. Table 3.

Note: Figures are as of July 1.

[3]U.S. Department of Commerce, Bureau of the Census. 1982. 1980 Census of Population, Characteristics of the Population, Chapter A - Number of Inhabitants. Washington, D.C. Table 5.

Note: Figures are as of April 1.

[4]California Department of Finance. 1984. Population Estimates for California Cities and Counties 1970 through 1980. Report E-4. June.

Note: Figures are as of January 1.

[5]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[6]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[7]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[8]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table B-4.

Note: Figures are as of January 1.

[9]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table B-4.

Note: Figures are as of January 1.

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

[10]U.S. Department of Commerce. Bureau of the Census. 1982. 1980 Census of Population, Characteristics of the Population, Chapter A-Number of Inhabitants. Washington, D.C. Table 3.

Note: Figures are as April 1.

[11]California Department of Finance. 1981. Total, Military and Civilian Population and Crude Rates. Sacramento.

[12]California Department of Finance, Population Research Unit. 1986. Annual Estimates of the Population of California Counties: July 1, 1980 to July 1, 1985 (Provisional). Report 85 E-2. Sacramento. Table 4.

Note: Figure is as of July 1.

[13]California Department of Finance, Population Research Unit. 1987. State and County Population Estimates to July 1, 1986 (Provisional). Report E-2. Sacramento. January. Table 4.

Note: Figures are as of July 1.

[14]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 1.

[15]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 2.

[16]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 46.

Note: Figures are as of April 1.

[17]California Department of Finance, Population Research Unit. 1983. Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83. Report 83-P-3. Sacramento. October.

Note: Figures are as of July 1.

[18]Computed from information provided in the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, Table 36.

Note: Figure is as of April 1.

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

[19]Computed from information provided in the U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population, Table 47.

Note: Figure is as of April 1.

[20]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 16.

Note: Figures are as of April 1.

[21]California Department of Finance, Population Research Unit. 1984. Household Projections for California Counties: 1980-2000. Report 84 P-2. Sacramento.

Note: Figures are as of July 1.

[22]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 43.

Note: Figure is for population 25 years old and over.

[23]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 175.

Note: Figure is for population 25 years old and over.

[24]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 121.

Note: Figures are for persons 16 years and over.

Employment: All civilians 16 years old and over who were (a) "at work" - those who did any work at all as paid employees or in their own business or profession, or on their own farm or in a family business; or (b) were "with a job but not at work"- those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Labor Force: Persons classified as employed and unemployed.

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

Unemployment: Persons are classified as unemployed if they were civilians 16 years old and over and: (a) were neither "at work" nor "with a job, but not at work" during the reference week, (b) were looking for work during the past 4 weeks, and (c) were available to accept a job.

[25]Computed as civilian labor force divided by total population 16 years and older.

[26]California Employment Development Department. 1986. Annual Planning Information, Los Angeles-Long Beach, 1986-1987. Los Angeles. May.

Note: Figures represent the annual average and are bench marked to March 1985.

Employment: The number of civilian residents in a county or labor market area who during the survey week (the week including the 12th) did any work at all as paid employees, or in their own business or profession, or on their own farm, or who worked 15 hours or more as unpaid workers in a family enterprise. It includes those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, and personal reasons, whether or not they were paid for the time off. It also includes residents who commuted to jobs in other areas.

Labor Force: The sum of total civilian employment and unemployment.

Unemployment: All civilians who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work (except temporary illness) during the survey week. Also included as unemployed are those who did not work at all, but were available for work and (a) were waiting to be recalled to a job from which they had been laid off for a specific time; or (b) had a new job to go to within 30 days.

[27]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 119.

Note: Figures are based on all workers. For Los Angeles County, this is 2,757,759 workers of whom 195,867 did not report their place of work.

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

[28]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 174.

Note: Figures are based on all workers 16 years of age and over. For Los Angeles County, this is 3,380,069 workers of whom 330,381 did not report their place of work.

[29]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table D-5.

[30]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table D-5.

[31]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table D-5.

[32]Computed as total personal income divided by total population.

[33]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Housing. Part 6. Washington, D.C. Table 60.

Note: Figures are as of April 1.

[34]California Department of Finance, Population Research Unit. 1975. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1 and is not adjusted to 1980 and later data.

[35]California Department of Finance, Population Research Unit. 1980. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of April 1.

[36]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Housing, General Housing Characteristics. Part 6. Washington, D.C. Table 46.

[37]California Department of Finance, Population Research Unit. 1981. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

[38]California Department of Finance, Population Research Unit. 1982. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[39]California Department of Finance, Population Research Unit. 1983. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[40]California Department of Finance, Population Research Unit. 1984. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[41]California Department of Finance, Population Research Unit. 1985. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[42]California Department of Finance, Population Research Unit. 1986. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[43]California Department of Finance. 1971. California Statistical Abstract. Sacramento. Table J-4.

[44]California Department of Finance. 1976. California Statistical Abstract. Sacramento. Table J-4.

[45]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table J-3.

[46]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table J-3.

[47]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table J-3.

[48]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table J-3.

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

[49]California Department of Finance. 1986. Projected Total Population of California Counties, July 1, 1985 to July 1, 2020. Report 86 P-1. Sacramento. December.

Note: Figures are as of July 1.

[50]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 49.

[51]Gerald Delavan, California Department of Transportation, Data Sheets, March 1987.

[52]Estimated using a straight line projection.

[53]California Department of Finance. 1977. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[54]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[55]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[56]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[57]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

REFERENCES FOR TABLE 2-1
SOCIOECONOMIC PROFILE OF LOS ANGELES COUNTY, 1970-2020

[58]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

DATA SUPPLEMENT FOR LOS ANGELES COUNTY

DATA SUPPLEMENT FOR LOS ANGELES COUNTY

This data supplement contains the following tables:

Table DS 2-1 Year of Incorporation for Los Angeles County Cities

- Demographics

Table DS 2-2 Estimates of Total Population, Los Angeles County and its Cities, 1970-1986

Table DS 2-3 Persons by Age, Los Angeles County, 1970-2020

- Economics

Table DS 2-4 Projections of Employment in 1990 for Los Angeles County

Table DS 2-5 Total Personal Income and Earnings by Industry for Los Angeles County, 1970-2015

Table DS 2-6 Payroll for Los Angeles County, 1970-1984

Table DS 2-7 Industry Indicators for Los Angeles County, 1972-1982

Table DS 2-8 Number of Employees in Los Angeles County, 1970-1984

Table DS 2-9 Number of Establishments in Los Angeles County, 1970-1984

Table DS 2-10 Selected Agricultural Statistics for Los Angeles County, 1978-1985

- Housing

Table DS 2-11 Characteristics of the Housing Stock in Los Angeles County, 1975-1986

Table DS 2-12 Campground Inventory in Los Angeles County, 1986

- Public Services and Facilities

Table DS 2-13 Police and Fire Departments/Districts, Los Angeles County, 1987

Table DS 2-14 State and Federal Large Water Systems, Los Angeles County, 1987

Table DS 2-15 Enrollment by School District, by Grade, 1980-81 to 1985-86

Table DS 2-16 Military Airport Facilities, Los Angeles County, 1987

- Public Finance

Table DS 2-17 Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

Table DS 2-18 Government Finance: Supplementary Expenditures Information

- Fishing Activity

Table DS 2-19 Major Species of Fish

- GNP Implicit Price Deflator

Table DS 2-20 GNP Implicit Price Deflator

Table DS 2-1

Year of Incorporation of Los Angeles County Cities

City	Year of Incorporation
Agoura Hills	1982
Alhambra	1903
Arcadia	1903
Artesia	1959
Avalon	1913
Azusa	1898
Baldwin Park	1956
Bell	1927
Bellflower	1957
Bell Gardens	1961
Beverly Hills	1914
Bradbury	1957
Burbank	1911
Carson	1968
Cerritos	1967[1]
Claremont	1907
Commerce	1960
Compton	1888
Covina	1901
Cudahy	1960
Culver City	1917
Downey	1956
Duarte	1957
El Monte	1912
El Segundo	1917
Gardena	1930
Glendale	1906
Glendora	1911
Hawaiian Gardens	1964
Hawthorne	1922
Hermosa Beach	1907
Hidden Hills	1961
Huntington Park	1906
Industry	1957
Inglewood	1908
Irwindale	1957
La Canada Flintridge	1976
La Habra Heights	1978
Lakewood	1954
La Mirada	1960
Lancaster	1977
La Puente	1958
La Verne	1906
Lawndale	1959

[1]Incorporated as Dairy Valley in 1956; name change occurred in 1967.

Table DS 2-1 (Cont.)

Year of Incorporation of Los Angeles Cities

City	Year of Incorporation
Lomita	1964
Long Beach	1897
Los Angeles	1850
Lynwood	1921
Manhattan Beach	1912
Maywood	1924
Monrovia	1887
Montebello	1920
Monterey Park	1916
Norwalk	1957
Palmdale	1962
Palos Verdes Estates	1939
Paramont	1957
Pasadena	1886
Pico Rivera	1958
Pomona	1888
Rancho Palos Verdes	1973
Redondo Beach	1892
Rolling Hills	1957
Rolling Hills Estates	1957
Rosemead	1959
San Dimas	1960
San Fernando	1911
San Gabriel	1913
San Marino	1913
Santa Fe Springs	1957
Santa Monica	1886
Sierra Madre	1907
Signal Hill	1924
South El Monte	1958
South Gate	1923
South Pasadena	1888
Temple City	1960
Torrance	1921
Vernon	1905
Walnut	1959
West Covina	1923
West Hollywood	1984
Westlake Village	1981
Whittier	1898

Source: California Department of Finance. Data Sheets.

Table DS 2-2

Estimates of Total Population, Los Angeles County and its Cities 1970-1986 (a)

	Los Angeles County					Avalon				El Segundo			
				Change from Previous July			Change from Previous January				Change from Previous January		
Year	January 1	April 1	July 1	Absolute	Percent	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970		7,041,980	7,055,800						1,520				15,620
1971	7,041,980		7,092,000	36,200	0.5	1,530				15,550			
1972	7,079,000		7,072,100	(19,900)	-0.3	1,530	0	0.0		15,300	(250)	-1.6	
1973	7,085,100		7,083,800	11,700	0.2	1,530	30	2.0		15,100	(200)	-1.3	
1974	7,080,600		7,123,500	39,700	0.6	1,560	30	1.9		14,950	(150)	-1.0	
1975	7,101,000		7,190,300	66,800	0.9	1,590	60	3.8		14,650	(300)	-2.0	
1976	7,153,200		7,242,400	52,100	0.7	1,650	90	5.5		14,450	(200)	-1.4	
1977	7,219,100		7,256,200	13,800	0.2	1,740	50	2.9		14,450	0	0.0	
1978	7,250,600		7,341,600	85,400	1.2	1,790	70	3.9		14,200	(250)	-1.7	
1979	7,301,400		7,387,600	46,000	0.6	1,860	130	7.0		13,950	(250)	-1.8	
1980	7,441,700	7,477,503	7,493,900	106,300	1.4	1,990	70	3.5	2,022	13,750	(200)	-1.4	13,752
1981	7,522,400		7,595,100	101,200	1.4	2,060	70	3.5		13,850	100	0.7	
1982	7,630,500		7,742,700	147,600	1.9	2,130	70	3.4		13,850	0	0.0	
1983	7,761,100		7,882,000	139,300	1.8	2,180	50	2.3		14,100	250	1.8	
1984	7,861,300		7,999,000	117,000	1.5	2,310	130	6.0		14,350	250	1.8	
1985	8,027,800		8,133,200	134,200	1.7	2,340	30	1.3		14,700	350	2.4	
1986	8,155,300		8,292,800	159,600	2.0	2,360	20	0.9		15,150	450	3.1	

Table DS 2-2 (Cont.)

Estimates of Total Population, Los Angeles County and its Cities 1970-1986 (a)

	Hermosa Beach				Long Beach				Los Angeles			
		Change from Previous January				Change from Previous January				Change from Previous January		
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970				17,412				358,879				2,811,801
1971	17,550				360,500				2,826,200			
1972	17,550	0	0.0		360,700	200	0.1		2,829,100	2,900	0.1	
1973	17,600	50	0.3		360,200	(500)	-0.1		2,827,200	(1,900)	-0.1	
1974	18,250	650	3.7		355,200	(5,000)	-1.4		2,834,300	7,100	0.3	
1975	18,600	350	1.9		353,600	(1,600)	-0.5		2,842,900	8,600	0.3	
1976	18,550	(50)	-0.3		358,100	4,500	1.3		2,878,300	35,400	1.2	
1977	18,500	(50)	-0.3		359,800	1,700	0.5		2,872,200	(6,100)	-0.2	
1978	18,350	(150)	-0.8		361,500	1,700	0.5		2,900,700	28,500	1.0	
1979	18,200	(150)	-0.8		362,200	700	0.2		2,928,800	28,100	1.0	
1980	18,000	(200)	-1.1	18,070	360,500	(1,700)	-0.5	361,334	2,954,100	25,300	0.9	2,966,850
1981	17,950	(50)	-0.3		361,800	1,300	0.4		2,979,500	25,400	0.9	
1982	18,200	250	1.4		368,300	6,500	1.8		3,011,300	31,800	1.1	
1983	18,400	200	1.1		373,200	4,900	1.3		3,064,300	53,000	1.8	
1984	18,550	150	0.8		376,000	2,800	0.8		3,105,300	41,000	1.3	
1985	18,750	200	1.1		385,300	9,300	2.5		3,173,000	67,700	2.2	
1986	18,950	200	1.1		392,300	7,000	1.8		3,215,500	42,500	1.3	

Table DS 2-2 (Cont.)

Estimates of Total Population, Los Angeles County and its Cities 1970-1986 (a)

	Manhattan Beach				Palos Verdes Estates				Rancho Palos Verdes			
		Change from Previous January				Change from Previous January				Change from Previous January		
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970				35,352				13,631				NA
1971	35,100				13,650				NA			
1972	34,600	(500)	-1.4		13,600	(50)	-0.4		NA	NA	NA	
1973	34,050	(550)	-1.6		13,550	(50)	-0.4		NA	NA	NA	
1974	33,250	(800)	-2.3		13,700	150	1.1		NA	NA	NA	
1975	33,000	(250)	-0.8		13,800	100	0.7		36,000			
1976	32,600	(400)	-1.2		14,050	250	1.8		36,550	550	1.5	
1977	32,100	(500)	-1.5		14,200	150	1.1		36,750	200	0.5	
1978	31,900	(200)	-0.6		14,400	200	1.4		36,700	(50)	-0.1	
1979	31,650	(250)	-0.8		14,400	0	0.0		36,000	(700)	-1.9	
1980	31,350	(300)	-0.9	31,542	14,350	(50)	-0.3	14,376	35,350	(650)	-1.8	36,577
1981	33,050	1,700	5.4		14,350	0	0.0		34,650	(700)	-2.0	
1982	33,050	0	0.0		14,450	100	0.7		36,400	1,750	5.1	
1983	33,350	300	0.9		14,500	50	0.3		36,500	100	0.3	
1984	33,450	100	0.3		14,550	50	0.3		44,300	7,800	21.4	
1985	34,200	750	2.2		14,700	150	1.0		44,850	550	1.2	
1986	34,400	200	0.6		14,750	50	0.3		45,200	350	0.8	

Table DS 2-2 (Cont.)

Estimates of Total Population, Los Angeles County and its Cities 1970-1986 (a)

	Redondo Beach				Santa Monica				Torrance			
		Change from Previous January				Change from Previous January				Change from Previous January		
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970				57,451				88,289				134,968
1971	58,100				89,000				135,400			
1972	58,100	0	0.0		89,400	400	0.4		135,300	(100)	-0.1	
1973	59,600	1,500	2.6		89,700	300	0.3		134,900	(400)	-0.3	
1974	61,100	1,500	2.5		90,500	800	0.9		133,600	(1,300)	-1.0	
1975	61,200	100	0.2		91,700	1,200	1.3		132,200	(1,400)	-1.0	
1976	60,700	(500)	-0.8		91,800	100	0.1		130,500	(1,700)	-1.3	
1977	60,600	(100)	-0.2		91,800	0	0.0		129,900	(600)	-0.5	
1978	59,600	(1,000)	-1.7		91,100	(700)	-0.8		129,200	(700)	-0.5	
1979	58,300	(1,300)	-2.2		90,200	(900)	-1.0		130,100	900	0.7	
1980	57,300	(1,000)	-1.7	57,102	88,100	(2,100)	-2.3	88,314	131,100	1,000	0.8	129,881
1981	58,400	1,100	1.9		88,400	300	0.3		131,400	300	0.2	
1982	58,700	300	0.5		89,900	1,500	1.7		131,400	0	0.0	
1983	60,900	2,200	3.7		91,900	2,000	2.2		133,300	1,900	1.4	
1984	61,700	800	1.3		93,000	1,100	1.2		134,500	1,200	0.9	
1985	62,500	800	1.3		94,000	1,000	1.1		136,300	1,800	1.3	
1986	63,200	700	1.1		94,100	100	0.1		137,200	900	0.7	

Table DS 2-2 (Cont.)

Estimates of Total Population, Los Angeles County and its Cities 1970-1986 (a)

	Unincorporated		
		Change from Previous January	
Year	January 1	Absolute	Percent
1970			
1971	1,038,000		
1972	1,038,100	100	0.0
1973	1,036,400	(1,700)	-0.2
1974	1,046,500	10,100	1.0
1975	1,029,300	(17,200)	-1.6
1976	1,038,800	9,500	0.9
1977	1,032,900	(5,900)	-0.6
1978	989,500	(43,400)	-4.2
1979	985,100	(4,400)	-0.4
1980	1,003,800	18,700	1.9
1981	999,000	(4,800)	-0.5
1982	1,008,000	9,000	0.9
1983	1,014,000	6,000	0.6
1984	1,016,400	2,400	0.2
1985	1,002,200	(14,200)	-1.4
1986	1,029,000	26,800	

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, Characteristics of the Population, Number of Inhabitants.

California Department of Finance, California Statistical Abstract (Sacramento: 1982-1986).

California Department of Finance, Population Estimates for California Cities and Counties 1970 through 1980, Report 84 E-4 (Sacramento: June 1984).

California Department of Finance, State and County Population Estimates to July 1, 1986, Report 86 E-2 (Sacramento: January 1987).

California Department of Finance, Preliminary Intercensal Estimates of the Population of California State and Counties: 1970 to 1980, Report I 70-80 (Sacramento: March 1982).

(a) - Includes only those cities which are subject to the Coastal Zone Management Program, the county seat , and/or the county's largest city.

NA - Not available.

Table DS 2-3

Persons by Age, Los Angeles County

	1970 (a)		1980 (b)		1985 (b)		1990 (b)		1995 (b)		2000 (b)		2020 (b)	
Age	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Under 5 Years	585,259	8.3	555,786	7.4	662,329	8.4	629,278	7.7	612,539	7.4	572,562	6.8	592,912	6.6
5 to 9	645,847	9.2	530,257	7.1	549,505	8.4	649,946	8.0	616,490	7.4	602,220	7.1	603,065	6.7
10 to 14	655,099	9.3	564,894	7.5	528,852	7.0	548,122	6.7	647,193	7.8	615,934	7.3	579,965	6.4
15 to 19	602,469	8.6	661,020	8.8	616,696	6.7	538,533	6.6	590,185	7.1	656,941	7.8	581,923	6.5
20 to 24	586,749	8.3	753,486	10.1	720,073	7.8	649,321	8.0	577,375	6.9	622,050	7.3	640,736	7.1
25 to 29	529,256	7.5	708,642	9.5	724,678	9.1	729,906	9.0	615,400	7.4	585,219	6.9	668,549	7.4
30 to 34	434,382	6.2	623,008	8.3	702,069	9.2	714,112	8.8	713,963	8.6	608,745	7.2	659,729	7.3
35 to 39	406,774	5.8	487,544	6.5	609,554	8.9	675,789	8.3	688,815	8.3	689,433	8.1	682,448	7.6
40 to 44	437,090	6.2	401,147	5.4	475,045	7.7	584,370	7.2	649,481	7.8	662,715	7.8	546,036	6.1
45 to 49	455,226	6.5	372,917	5.0	388,649	6.0	452,788	5.6	558,694	6.7	621,669	7.3	512,941	5.7
50 to 54	405,812	5.8	389,381	5.2	357,828	4.9	366,879	4.5	429,103	5.2	530,195	6.3	517,459	5.7
55 to 59	352,548	5.0	385,177	5.1	368,564	4.5	333,109	4.1	343,277	4.1	402,115	4.7	569,207	6.3
60 to 64	283,165	4.0	312,765	4.2	357,275	4.7	336,206	4.1	305,636	3.7	315,538	3.7	523,252	5.8
65 to 69	222,656	3.2	257,164	3.4	280,794	4.5	315,447	3.9	298,885	3.6	272,090	3.2	458,179	5.1
70 to 74	173,493	2.5	189,915	2.5	220,328	3.6	236,503	2.9	267,781	3.2	254,172	3.0	352,010	3.9
75 to 79	124,139	1.8	138,967	1.9	151,265	2.8	173,153	2.1	187,107	2.2	213,054	2.5	227,582	2.5
80 to 84	78,331	1.1	87,718	1.2	99,488	1.9	106,093	1.3	125,330	1.5	133,736	1.6	138,869	1.5
85 and over	53,780	0.8	70,685	0.9	78,326	1.3	87,856	1.1	99,214	1.2	115,829	1.4	147,641	1.6
Total Persons	7,032,075	100.0	7,490,473	100.0	7,891,318	100.0	8,127,411	100.0	8,326,468	100.0	8,474,217	100.0	9,002,503	100.0
Under 18	2,260,018	32.1	2,033,702	27.2	2,107,379	26.7	2,137,687	26.3	2,234,043	26.8	2,178,114	25.7	2,123,599	23.6
18 to 64	4,119,658	58.6	4,712,322	62.9	4,953,738	62.8	5,070,672	62.4	5,114,108	61.4	5,307,222	62.6	5,554,623	61.7
65 years and over	652,399	9.3	744,449	9.9	830,201	10.5	919,052	11.3	978,317	11.7	988,881	11.7	1,324,281	14.7
Median	29.2		29.8		31.0		32.3		33.6		34.8		36.3	

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.

California Department of Finance, Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83 (Sacramento: October 1983), Report 83-P-3.

(a) - As of April 1.

(b) - As of July 1.

Table DS 2-4

Projections of Employment in 1990 for Los Angeles County

Occupation Category	1980 Employment	1980 Percent	1990 Employment	1990 Percent	1980-1990 Absolute Change	1980-1990 Percent Change
Total, All Occupations	3,591,580	100.0%	4,240,170	100.0%	648,590	15.3%
Professional, Technical, and Kindred Occupations	682,980	19.0	854,300	20.1	171,320	0.2
Engineers	78,520	2.2	92,560	2.2	14,040	0.2
Life and Physical Scientists	6,410	0.2	7,500	0.2	1,090	0.1
Mathmatical Specialists	2,600	0.1	4,130	0.1	1,530	0.4
Engineering or Science Technicians	54,890	1.5	63,010	1.5	8,120	0.1
Medical Workers Except Technicians	61,180	1.7	77,360	1.8	16,180	0.2
Other Health Technologists and Technicians	51,210	1.4	65,580	1.5	14,370	0.2
Other Technicians	20,890	0.6	23,510	0.6	2,620	0.1
Computer Specialists	25,280	0.7	34,490	0.8	9,210	0.3
Social Scientists	7,310	0.2	9,800	0.2	2,490	0.3
Teachers	141,650	3.9	181,830	4.3	40,180	0.2
Writers, Artists, and Entertainers	42,140	1.2	60,360	1.4	18,220	0.3
Other Professional and Technical Workers	190,900	5.3	234,170	5.5	43,270	0.2
Managers and Officials	287,790	8.0	336,080	7.9	48,290	0.1
Sales Managers	8,810	0.2	10,520	0.2	1,710	0.2
Administrators and Public Inspectors	6,100	0.2	6,340	0.1	240	0.0
Other Managers and Officials	272,880	7.6	319,220	7.5	46,340	0.1
Sales Workers	250,730	7.0	297,300	7.0	46,570	0.2
Clerical Workers	850,350	23.7	1,020,200	24.1	169,850	0.2
Stenographers, Secretaries, and Typists	166,800	4.6	214,250	5.1	47,450	0.2
Office Machine Operators	41,360	1.2	46,410	1.1	5,050	0.1
Other Clerical Workers	642,190	17.9	759,540	17.9	117,350	0.2
Crafts and Kindred Workers	361,580	10.1	400,650	9.4	39,070	0.1
Construction Crafts Workers	67,800	1.9	78,050	1.8	10,250	0.1
Blue Collar Worker Supervisors	46,350	1.3	49,650	1.2	3,300	0.1
Metal Working Crafts Workers	39,420	1.1	40,450	1.0	1,030	0.0
Mechanics, Repairers, and Installers	79,440	2.2	88,760	2.1	9,320	0.1
Printing Trade Crafts Workers	19,200	0.5	21,040	0.5	1,840	0.1
Transportation and Public Utility Crafts Workers	15,510	0.4	14,900	0.4	(610)	(0.0)
Other Crafts and Kindred Workers	93,860	2.6	107,800	2.5	13,940	0.1
Operatives, Except Transportation	371,370	10.3	387,220	9.1	15,850	0.0
Semiskilled Metal Working Operatives	69,850	1.9	68,810	1.6	(1,040)	(0.0)
Semiskilled Textile Operatives	3,580	0.1	4,120	0.1	540	0.1
Semiskilled Packing and Inspecting Operatives	40,400	1.1	40,390	1.0	(10)	(0.0)

Table DS 2-4 (Cont.)

Projections of Employment in 1990 for Los Angeles County

Occupation Category	1980 Employment	1980 Percent	1990 Employment	1990 Percent	1980-1990 Absolute Change	1980-1990 Percent Change
Other Operatives	257,540	7.2	273,900	6.5	16,360	0.1
Transport Equipment Operatives	115,680	3.2	131,330	3.1	15,650	0.1
All Other Operatives and Semiskilled Workers	50,520	1.4	56,430	1.3	5,910	0.1
Service Workers	452,650	12.6	577,750	13.6	125,100	0.2
Cleaning Service Workers	83,580	2.3	104,770	2.5	21,190	0.2
Food Service Workers	196,860	5.5	256,630	6.1	59,770	0.2
Health Service Workers	42,390	1.2	52,150	1.2	9,760	0.2
Personal Service Workers	40,170	1.1	45,300	1.1	5,130	0.1
Protective Service Workers	54,960	1.5	69,920	1.6	14,960	0.2
Other Service Workers	34,690	1.0	48,980	1.2	14,290	0.3
Laborers, Except Farm	167,930	4.7	178,910	4.2	10,980	0.1

Source: California Economic Development Department, Projections of Employment by Industry and Occupation, 1980-1990, Los Angeles-Long Beach Metropolitian Statistical Area (Los Angeles: 1986).

Negative numbers are expressed in parentheses.

Los Angeles-Long Beach MSA is equivalent of Los Angeles County.

Table DS 2-5

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for Los Angeles County, 1970-2015

Industry	Total Income and Earnings											
	1970	Percent of Total	1975	Percent of Total	1980	Percent of Total	1981	Percent of Total	1982	Percent of Total	1983	Percent of Total
Total Personal Income (a)	$84,974,303		$89,066,012		$110,664,352		$112,697,127		$112,573,243		$114,374,362	
Total Earnings by Place of Residence (b)	$64,434,562		$63,814,192		$78,316,446		$77,630,273		$76,666,266		$77,651,792	
Total Earnings by Place of Work (b)	$73,772,170	100.0%	$74,506,375	100.0%	$93,704,049	100.0%	$93,615,707	100.0%	$91,835,430	100.0%	$94,539,546	100.0%
Farm	141,630	0.2	193,785	0.3	207,890	0.2	198,313	0.2	179,809	0.2	192,762	0.2
Nonfarm	73,630,540	99.8	74,312,591	99.7	93,496,159	99.8	93,417,394	99.8	91,655,621	99.8	94,346,784	99.8
Agricultural Services, Forestry, and Fisheries	NA	NA	NA	NA	202,709	0.2	209,111	0.2	197,580	0.2	194,587	0.2
Mining	328,284	0.4	410,535	0.6	543,490	0.6	612,669	0.7	634,999	0.7	570,253	0.6
Construction	3,731,786	5.1	3,281,649	4.4	4,323,035	4.6	4,370,693	4.7	3,712,029	4.0	3,450,623	3.6
Manufacturing	21,703,257	29.4	19,794,845	26.6	25,452,096	27.2	25,441,910	27.2	24,459,408	26.6	24,770,918	26.2
Transportation and Public Utilities	5,148,490	7.0	5,342,121	7.2	6,957,532	7.4	6,931,976	7.4	6,909,121	7.5	7,066,810	7.5
Wholesale Trade	NA	NA	NA	NA	7,843,123	8.4	7,757,363	8.3	7,581,373	8.3	7,677,903	8.1
Retail Trade	NA	NA	NA	NA	8,813,222	9.4	8,744,836	9.3	8,533,597	9.3	8,699,232	9.2
Finance, Insurance, and Real Estate	4,500,001	6.1	4,628,616	6.2	6,460,181	6.9	6,075,297	6.5	5,818,668	6.3	6,557,396	6.9
Service Industries	14,163,938	19.2	15,363,622	20.6	21,578,480	23.0	22,013,483	23.5	22,517,010	24.5	23,844,727	25.2
Government	10,569,226	14.3	11,618,926	15.6	11,322,291	12.1	11,260,058	12.0	11,291,835	12.3	11,514,334	12.2

Table DS 2-5 (Cont.)

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for Los Angeles County, 1970-2015

Industry	Total Income and Earnings 1984	Percent of Total	Projected Total Income and Earnings (c) 1990	Percent of Total	1995	Percent of Total	2000	Percent of Total	2005	Percent of Total	2015	Percent of Total
Total Personal Income (a)	$121,655,798		$139,131,126		$154,567,253		$168,382,148		$181,474,700		$206,137,052	
Total Earnings by Place of Residence (b)	$82,853,729		NA		NA		NA		NA		NA	
Total Earnings by Place of Work (b)	$100,351,424	100.0%	$118,639,084	100.0%	$132,759,621	100.0%	$145,757,966	100.0%	$157,624,627	100.0%	$176,499,469	100.0%
Farm	205,549	0.2	197,196	0.2	189,365	0.1	185,094	0.1	184,619	0.1	189,603	0.1
Nonfarm	100,145,875	99.8	118,441,888	99.8	132,570,255	99.9	145,572,872	99.9	157,440,007	99.9	176,309,866	99.9
Agricultural Services, Forestry, and Fisheries	217,064	0.2	245,606	0.2	280,726	0.2	311,812	0.2	344,797	0.2	389,409	0.2
Mining	578,593	0.6	597,047	0.5	626,472	0.5	663,728	0.5	705,018	0.4	759,123	0.4
Construction	3,772,682	3.8	4,222,279	3.6	4,429,442	3.3	4,716,812	3.2	5,018,420	3.2	5,443,899	3.1
Manufacturing	26,118,343	26.0	31,858,237	26.9	35,188,742	26.5	38,389,682	26.3	41,613,403	26.4	47,006,520	26.6
Transportation and Public Utilities	7,137,303	7.1	8,975,161	7.6	10,206,985	7.7	11,387,315	7.8	12,474,861	7.9	14,106,773	8.0
Wholesale Trade	8,365,813	8.3	9,297,414	7.8	10,155,016	7.6	11,050,112	7.6	11,986,260	7.6	13,383,008	7.6
Retail Trade	9,264,185	9.2	9,530,680	8.0	10,233,325	7.7	10,881,629	7.5	11,358,839	7.2	12,033,958	6.8
Finance, Insurance, and Real Estate	7,158,422	7.1	8,536,868	7.2	9,685,400	7.3	10,633,176	7.3	11,387,552	7.2	12,495,269	7.1
Service Industries	25,677,896	25.6	32,114,996	27.1	37,678,019	28.4	42,357,813	29.1	46,237,193	29.3	52,557,916	29.8
Government	11,855,576	11.8	13,063,602	11.0	14,086,365	10.6	15,181,030	10.4	16,313,900	10.3	18,133,991	10.3

Table DS 2-5 (Cont.)

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for Los Angeles County, 1970-2015

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Local Area Personal Income, 1970-1975 and 1979-1984.
U.S. Department of Commerce, Bureau of Economic Analysis, 1985 OBERS BEA Regional Projections, vol. 2: Metropolitan Statistical Area Projections to 2035, 1985.

(a) - Total personal income includes wage and salary disbursements, other labor income, proprietor's income, rental income, interest and dividend income, and transfer payments, less contributions for social insurance. It is adjusted by place of residence.

(b) - Total personal earnings includes wage and salary disbursements, other labor income, and proprietor's income.

(c) - Projections are for Los Angeles-Long Beach PSMA (equivalent to Los Angeles County). Projections for 2010 are unavailable.

NA - Not available.

Table DS 2-6

Payroll for Los Angeles County, 1970-1984
(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	$107,083	$113,436	$172,669	$172,217	$166,503	$171,757	$177,717
Agricultural Services(07)	82,505	89,587	137,615	140,535	143,564	150,179	155,381
Forestry(08)	NA	NA	NA	NA	NA	NA	(D)
Fishing, Hunting, Trapping(09)	23,607	22,925	31,413	27,985	19,902	(D)	16,032
Mining	335,518	309,014	315,918	360,599	359,806	338,247	320,280
Metal Mining(10)	NA	NA	3,486	5,844	3,678	3,471	9,339
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	223,536	191,042	191,637	228,835	231,952	178,110	151,015
Crude Petroleum, Natural Gas(131)	103,785	58,853	87,451	99,314	100,578	93,123	71,310
Natural Gas Liquids(132)	17,619	3,629	2,696	NA	2,405	1,837	NA
Oil and Gas Field Services(138)	101,886	128,261	101,362	127,733	128,900	83,029	77,847
Drilling Oil and Gas Wells(1381)	53,638	50,512	22,465	26,028	33,050	13,536	12,627
Oil and Gas Field Exploration(1382)	5,517	3,818	NA	NA	18,396	8,814	(D)
Nonmetallic Minerals(14)	47,981	25,995	(D)	(D)	(D)	(D)	(D)
Contract Construction	3,045,175	3,100,077	3,783,455	3,945,066	3,598,287	3,092,989	3,190,471
General Contractors(15)	694,834	527,506	(D)	(D)	(D)	(D)	(D)
Heavy Construction Contractors(16)	781,202	1,217,745	1,160,041	1,301,437	1,210,852	839,294	752,661
Special Trade Contractors(17)	1,541,210	1,344,208	1,852,821	1,851,541	1,726,457	1,621,400	1,762,993
Manufacturing	19,569,362	18,150,560	22,077,831	21,988,399	21,259,249	21,163,270	21,825,940
Food(20)	1,034,876	1,055,464	1,142,363	1,162,371	1,157,932	1,154,186	1,131,189
Textile Mill Products(22)	127,989	146,549	169,540	150,877	(D)	140,883	150,708
Apparel(23)	722,656	907,265	1,023,452	1,009,325	960,242	953,810	999,342
Lumber and Wood(24)	142,824	175,166	239,576	215,594	178,001	185,555	210,794
Furniture(25)	535,991	496,823	654,880	645,714	575,282	619,673	672,671
Paper(26)	360,181	335,751	398,111	365,199	369,515	392,590	412,701
Printing and Publishing(27)	901,647	923,846	1,148,830	1,152,469	1,178,681	1,225,245	1,267,622
Chemicals(28)	576,844	571,967	670,567	616,911	593,157	635,525	628,215
Petroleum Refining(29)	239,203	269,837	312,844	326,524	338,309	332,768	332,675
Petroleum Refining(291)	195,981	224,405	255,657	272,994	270,693	281,538	281,618
Paving and Roofing Material(295)	28,249	32,211	30,793	26,664	30,351	19,693	21,732
Miscellaneous Products(299)	14,567	13,221	26,368	26,203	37,182	31,537	29,325
Rubber and Miscellaneous Plastics(30)	552,501	542,300	623,370	622,298	543,564	513,479	576,651
Leather(31)	68,589	93,690	127,756	124,468	107,190	(D)	(D)
Stone, Clay, Glass(32)	420,243	390,732	484,097	508,918	487,742	435,958	438,709
Primary Metal(33)	549,225	529,113	624,623	596,210	505,730	474,104	489,477
Fabricated Metal(34)	1,510,848	1,510,701	2,004,170	1,931,351	1,665,320	1,651,594	1,699,912
Machinery(35)	2,083,636	1,804,391	2,124,210	2,067,845	1,923,095	1,796,522	1,882,987
Electric and Electronic Equipment(36)	1,999,626	1,824,831	2,531,999	2,556,965	2,903,888	2,949,767	2,974,135
Transportation Equipment(37)	4,134,595	4,687,209	5,553,944	5,653,193	5,415,128	5,576,421	5,727,000
Measuring Instruments(38)	489,760	501,327	656,192	636,927	568,212	568,769	627,745
Miscellaneous Manufacturing(39)	422,847	356,025	338,554	376,081	390,785	376,550	372,432

Table DS 2-6 (Cont.)

Payroll for Los Angeles County, 1970-1984
(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Transportation and Public Utilities	4,182,950	4,663,500	5,334,613	5,291,593	100,769	5,337,709	5,550,900
Local and Interurban Transit(41)	190,666	290,170	132,429	128,883	5,278,260	(D)	100,457
Trucking and Warehousing(42)	940,194	996,560	1,068,864	1,004,109	951,120	898,255	941,439
Water Transportation(44)	172,385	53,711	253,383	264,658	308,796	319,034	386,911
Transportation by Air(45)	876,183	805,647	1,202,902	1,148,866	1,091,629	1,039,768	970,071
Pipelines(46)	15,229	(D)	31,432	33,092	18,350	20,285	18,465
Transportation Services(47)	139,515	199,666	284,820	285,075	288,841	307,631	352,037
Communication(48)	1,357,118	1,472,792	1,665,113	1,699,339	1,720,286	1,797,855	1,873,142
Electric, Gas, Sanitary(49)	471,895	583,722	493,697	542,316	529,052	529,120	581,169
Wholesale Trade	4,667,737	4,818,407	6,125,097	6,293,389	5,999,210	5,929,955	6,527,840
Durable Goods(50)	NA	2,820,724	3,721,952	3,764,834	3,507,653	3,480,193	3,881,699
Nondurable Goods(51)	NA	1,689,193	2,012,292	(D)	(D)	(D)	(D)
Retail Trade	5,991,697	5,932,242	6,918,126	6,904,600	6,795,656	6,871,463	7,447,345
Building Materials(52)	168,831	180,991	236,254	(D)	(D)	214,840	(D)
General Merchandise(53)	934,538	729,762	689,109	682,582	579,073	586,758	603,754
Food Stores(54)	1,022,550	956,044	1,123,945	1,134,315	1,099,844	1,081,148	1,099,286
Automotive Dealers, Service Stations(55)	1,123,625	961,465	1,103,329	1,022,002	969,850	1,044,219	1,177,674
Apparel, Accessories(56)	324,781	353,771	342,412	380,297	333,315	360,677	372,573
Furniture(57)	286,159	251,764	340,145	314,653	303,258	314,496	357,928
Eating, Drinking Places(58)	1,016,947	1,068,061	1,282,354	1,301,209	1,294,620	1,381,739	1,431,088
Miscellaneous Retail(59)	687,491	806,018	947,581	919,340	865,819	852,165	864,690
Finance, Insurance, Real Estate	3,320,513	3,418,205	5,296,162	5,614,499	5,635,383	5,801,333	5,961,184
Banking(60)	866,621	790,535	1,168,837	1,289,246	1,295,200	1,321,982	1,273,359
Other Credit Agencies(61)	387,138	458,847	626,398	755,051	667,196	821,204	850,674
Security, Commodity Brokers(62)	295,359	261,873	392,970	423,995	467,096	570,850	562,193
Insurance Carriers(63)	917,335	805,228	1,044,881	1,052,731	1,059,629	1,009,761	1,034,859
Insurance Agents(64)	271,240	327,648	524,029	521,674	543,765	553,816	581,207
Real Estate(65)	488,640	518,178	962,153	943,132	953,036	830,498	934,633
Real Estate, Insurance(66)	5,806	6,989	6,104	5,269	5,751	5,948	6,638
Holding, Investment Offices(67)	75,035	133,735	226,935	(D)	277,798	305,606	297,540
Service Industries	8,787,264	10,451,198	15,623,070	16,249,763	17,021,364	17,804,818	18,874,375
Hotels, Lodging(70)	258,487	200,956	(D)	(D)	301,615	302,548	333,603
Personal Services(72)	505,416	367,215	389,538	395,506	385,276	392,647	466,952
Business Services(73)	1,799,355	2,098,021	3,179,309	3,320,332	3,631,981	3,809,656	4,009,226
Auto Repair(75)	354,354	353,462	495,344	504,616	493,269	495,367	523,276
Miscellaneous Repair(76)	258,103	214,232	326,804	329,703	(D)	(D)	276,681
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	939,255	1,158,030	1,926,577	1,886,725	1,781,880	2,054,070	2,278,660
Recreation, Amusement(79)	311,153	424,116	679,501	667,986	703,771	733,762	835,564
Health Services(80)	1,935,840	2,918,483	4,245,916	4,477,650	4,784,750	4,896,733	5,030,129
Legal Services(81)	247,719	459,919	797,380	913,149	1,040,688	1,137,896	1,226,310
Education Services(82)	432,430	527,098	875,348	884,253	891,341	961,939	1,014,085

Table DS 2-6 (Cont.)

Payroll for Los Angeles County, 1970-1984
(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Social Services(83)	NA	229,077	396,537	375,822	371,654	348,773	402,482
Membership Organizations(86)	513,527	433,631	482,291	481,004	504,199	490,214	533,945
Miscellaneous Services(89)	1,141,415	843,752	1,148,391	1,293,809	1,386,139	1,386,239	1,473,151
Nonclassifiable Establishments	160,230	324,205	407,097	493,676	95,928	403,693	825,971
Government	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA
Total County	$50,167,527	$51,280,843	$66,054,038	$67,313,801	$66,209,646	$66,915,235	$70,740,174

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.

(D) - Information withheld to avoid disclosure of operations of individual establishments.
NA - Not available.

Note: Payroll includes all forms of compensation which are subject to income tax withholding.

Table DS 2-7

Industry Indicators for Los Angeles County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Agriculture, Forestry, Fisheries	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Services(07)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forestry(08)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mining	752.2	970.0	1,765.4	2,295.7	140.5	168.0	274.5	345.5	576.6	764.6	1,374.0	1,780.3
Metal Mining(10)	NA	NA	NA	12.3	NA	NA	NA	1.6	NA	NA	NA	7.5
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	660.6	904.8	1,691.2	2,215.4	109.9	162.3	268.7	339.7	501.4	715.1	1,323.7	1,729.5
Crude Petroleum, Natural Gas(131)	430.0	670.1	1,421.4	1,922.4	98.0	133.5	237.6	307.0	356.9	576.2	1,168.4	1,563.2
Natural Gas Liquids(132)	64.3	69.3	90.8	105.2	0.7	(D)	NA	(D)	12.1	3.7	15.4	23.2
Oil and Gas Field Services(138)	166.3	165.5	178.9	187.9	11.2	(D)	NA	(D)	132.4	135.0	139.9	143.1
Drilling Oil and Gas Wells(1381)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Exploration(1382)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonmetallic Minerals(14)	89.5	61.7	65.4	67.9	30.4	5.6	4.7	4.1	73.8	46.9	44.7	43.2
Contract Construction	8,820.8	10,463.0	9,116.2	8,218.4	210.9	329.1	241.8	183.5	6,076.3	6,583.0	6,776.2	6,905.1
General Contractors(15)	2,225.7	2,663.6	2,272.7	2,012.0	44.8	98.0	67.0	46.3	1,377.5	1,652.7	1,494.3	1,388.7
Heavy Construction Contractors(16)	164.3	3,075.9	3,012.4	2,970.1	7.3	132.3	82.0	48.4	153.8	2,019.9	2,133.1	2,208.5
Special Trade Contractors(17)	4,958.9	4,675.6	4,984.1	5,189.8	91.8	107.6	94.8	86.3	3,171.7	2,897.8	3,157.4	3,330.4
Manufacturing	71,027.7	90,563.2	95,243.9	98,364.3	1,636.4	1,968.9	2,926.8	3,565.5	36,205.1	41,839.7	44,441.4	46,175.9
Food(20)	8,775.1	9,718.0	10,074.1	10,311.5	130.8	181.7	241.7	281.7	2,755.5	3,047.5	3,403.3	3,640.5
Textile Mill Products(22)	906.7	1,022.0	882.4	789.3	38.9	16.8	14.1	12.3	388.7	358.2	318.1	291.3
Apparel(23)	3,384.8	4,811.2	4,528.3	4,339.8	46.3	42.5	52.8	59.6	1,444.0	2,295.1	2,141.3	2,038.8
Lumber and Wood(24)	729.7	958.3	778.5	658.6	12.8	29.3	23.6	19.7	340.3	467.7	391.9	341.3

Table DS 2-7 (Cont.)

Industry Indicators for Los Angeles County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Furniture(25)	2,001.9	2,345.4	2,290.3	2,253.6	50.5	43.9	38.3	34.5	1,079.7	1,234.3	1,246.7	1,255.0
Paper(26)	1,602.7	2,077.6	2,075.9	2,074.8	38.4	50.1	50.3	50.5	681.8	805.1	803.7	802.9
Printing and Publishing(27)	2,806.3	NA	NA	4,372.1	99.4	NA	NA	186.4	1,851.2	NA	NA	2,834.9
Chemicals(28)	3,813.2	5,029.5	4,783.4	4,619.3	100.4	144.1	184.6	211.5	2,114.3	2,359.4	2,181.7	2,063.2
Petroleum Refining(29)	4,622.8	11,310.6	14,193.4	16,115.3	(D)	138.0	388.8	555.9	972.9	2,230.0	2,419.2	2,545.3
Petroleum Refining(291)	4,290.1	10,788.1	13,659.6	15,573.9	(D)	118.6	374.9	545.7	819.6	2,015.3	2,229.5	2,372.3
Paving and Roofing Material(295)	201.9	234.3	219.0	208.9	(D)	6.8	3.9	2.1	93.5	93.3	67.3	50.0
Miscellaneous Products(299)	130.8	288.3	314.8	332.5	(D)	12.5	10.0	8.3	59.8	121.6	122.4	123.0
Rubber and Miscellaneous Plastics(30)	2,331.0	2,832.5	2,589.6	2,427.7	103.5	108.9	97.1	89.2	1,252.7	1,448.7	1,279.7	1,167.1
Leather(31)	NA	NA	NA	353.5	NA	NA	NA	6.2	NA	NA	NA	172.6
Stone, Clay, Glass(32)	1,577.6	1,796.1	1,785.6	1,778.5	54.1	73.0	73.3	73.5	930.5	986.3	942.0	912.5
Primary Metal(33)	2,369.7	827.6	1,655.8	2,208.0	64.1	0.0	77.1	128.6	1,016.4	287.3	634.2	865.5
Fabricated Metal(34)	5,385.8	6,734.8	6,547.0	6,421.8	146.9	202.6	209.6	214.2	2,987.6	3,737.3	3,565.1	3,450.3
Machinery(35)	5,096.0	5,839.8	6,608.6	7,121.2	172.5	203.4	236.6	258.7	2,990.9	3,303.9	3,921.4	4,333.1
Electric and Electronic Equipment(36)	5,673.1	6,860.2	8,545.3	9,668.7	(D)	176.2	468.6	663.5	3,268.8	4,209.1	5,284.8	6,001.9
Transportation Equipment(37)	16,739.1	18,822.9	18,686.1	18,595.0	188.9	291.2	477.6	601.9	9,995.6	9,575.3	10,384.5	10,923.9
Measuring Instruments(38)	1,508.0	1,681.3	1,870.0	1,995.9	33.9	53.5	67.9	77.5	971.5	1,144.0	1,257.2	1,332.7
Miscellaneous Manufacturing(39)	1,499.3	1,958.5	2,125.7	2,237.1	20.6	40.7	40.1	39.7	875.4	1,107.2	1,164.7	1,203.0
Transportation and Public Utilities	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Local and Interurban Transit(41)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trucking and Warehousing(42)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Water Transportation(44)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Transportation by Air(45)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pipelines(46)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Transportation Services(47)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Communication(48)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table DS 2-7 (Cont.)

Industry Indicators for Los Angeles County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Electric, Gas, Sanitary(49)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Wholesale Trade	77,149.1	101,170.8	108,826.9	113,931.1	666.4	1,112.9	1,265.5	1,367.2	15,494.3	19,323.6	19,145.3	19,026.5
Durable Goods(50)	44,239.4	59,459.3	61,978.4	63,657.8	398.2	713.5	820.1	891.2	9,511.5	14,210.8	14,430.9	14,577.6
Nondurable Goods(51)	32,909.5	41,711.6	46,848.6	50,273.2	230.4	375.4	421.6	452.5	5,331.3	6,340.2	6,246.2	6,183.6
Retail Trade	39,473.2	42,503.3	42,693.9	42,820.9	710.5	807.6	862.6	899.2	NA	12,240.9	12,270.1	12,289.6
Building Materials(52)	1,234.7	1,569.3	1,516.3	1,481.0	NA	25.1	25.2	25.2	NA	445.7	449.3	451.7
General Merchandise(53)	5,875.3	(D)	NA	4,873.2	146.9	(D)	NA	126.7	NA	(D)	NA	1,583.8
Food Stores(54)	8,460.0	9,064.3	9,385.2	9,599.1	135.4	145.0	167.4	182.4	NA	1,921.6	780.2	19.2
Automotive Dealers, Service Stations(55)	10,591.2	11,595.2	11,485.7	11,412.7	84.7	127.5	85.3	57.1	NA	2,226.3	2,082.0	1,985.8
Apparel, Accessories(56)	2,231.3	2,255.5	2,358.7	2,427.5	NA	60.9	57.9	55.8	NA	938.3	924.4	915.2
Furniture(57)	1,932.3	2,284.8	2,288.2	2,290.4	30.9	32.0	37.5	41.2	NA	808.8	812.8	815.4
Eating, Drinking Places(58)	3,829.3	4,338.5	4,609.2	4,789.7	157.0	238.6	250.6	258.6	NA	2,269.0	922.0	23.9
Miscellaneous Retail(59)	5,318.8	4,091.5	5,205.0	5,947.3	NA	77.7	131.0	166.5	NA	1,321.6	628.5	166.5
Finance, Insurance, Real Estate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Banking(60)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Credit Agencies(61)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Security, Commodity Brokers(62)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Insurance Carriers(63)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Insurance Agents(64)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Real Estate(65)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Real Estate, Insurance(66)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Holding, Investment Offices(67)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Service Industries	15,583.3	18,833.3	27,533.1	33,333.0	1,309.0	1,431.3	2,012.5	2,400.0	NA	NA	NA	NA

Table DS 2-7 (Cont.)

Industry Indicators for Los Angeles County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Hotels, Lodging(70)	614.4	738.5	931.5	1,060.1	79.3	58.3	128.3	174.9	NA	NA	NA	NA
Personal Services(72)	1,129.3	1,092.2	1,131.7	1,158.1	82.4	44.8	58.2	67.2	NA	NA	NA	NA
Business Services(73)	5,700.4	5,721.5	6,820.7	7,553.5	319.2	343.3	468.2	551.4	NA	NA	NA	NA
Auto Repair(75)	1,390.8	1,889.3	1,968.7	2,021.7	235.0	332.5	316.2	305.3	NA	NA	NA	NA
Miscellaneous Repair(76)	585.7	873.1	797.1	746.4	35.1	31.4	30.0	29.1	NA	NA	NA	NA
Amusement and Recreation(78 and 79)	4,084.6	5,852.6	7,393.3	8,420.5	28.6	380.4	515.9	606.3	NA	NA	NA	NA
Motion Pictures(78)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Recreation, Amusement(79)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Health Services(80)	75.9	79.1	3,713.1	6,135.7	NA	NA	NA	220.9	NA	NA	NA	NA
Legal Services(81)	1,209.8	1,683.5	2,267.8	2,657.4	NA	NA	NA	98.3	NA	NA	NA	NA
Education Services(82)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Services(83)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Membership Organizations(86)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Services(89)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonclassifiable Establishments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Government	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table DS 2-7 (Cont.)

Industry Indicators for Los Angeles County, 1972-1982
(in million of 1986 dollars)

Source: Mining - U.S. Department of Commerce, Bureau of the Census, Census of Mineral Industries: Area Statistics, 1972, 1977 and 1982.

Construction - U.S. Department of Commerce, Bureau of the Census, Census of the Construction Industry; U.S. Summary: Establishments With and Without Payroll, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, County Business Patterns: California, 1972, 1977 and 1982.

Manufacturing - U.S. Department of Commerce, Bureau of the Census, Census of Manufactures; Area Statistics, 1972, 1977 and 1982.

Wholesale Trade - U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Area Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Subject Series: Value Produced, Capital Expenditures, Fixed Assets, Rental Payments, and Supplemental Labor Costs of Merchant Wholesalers, 1972.

Retail Trade - U.S. Department of Commerce, Bureau of the Census, Census of Retail Trade; Area Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Retail Trade; Selected Characteristics of Retail Trade: Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.

Service Industries - U.S. Department of Commerce, Bureau of the Census, Census of Service Industries; Areas Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Service Industries; Selected Service Industries: Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.

Table DS 2-7 (Cont.)

Industry Indicators for Los Angeles County, 1972-1982

(in million of 1986 dollars)

Service Industries (Cont.) - U.S. Department of Commerce, Census of Service Industries; Selected Service Industries; Capital Expenditures and Other Financial Data, 1972.

(a) - Value of product data for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction receipts to payroll.

(b) - Capital expenditures data for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction capital expenditures to receipts. Capital expenditures data for the wholesale trade, retail trade, and service sectors for 1972, 1977, and 1982 are estimated from each sector's national ratio of capital expenditures to receipts.

(c) - Value added data for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction value added to receipts. Value added data for the wholesale trade, retail trade, and service sectors for 1972, 1977, and 1982 are estimated from each sector's national ratio of value added to receipts. Value added is the difference between the value of the goods and the cost of materials or supplies used in producing them.

(e) - Data for 1980 are estimated as three-fifths of the aggregate growth or deline during the 5-year period 1977-1982 added to 1977 data (adjusted to 1986 dollars) as a base.

(D) - Information withheld to avoid disclosure of operations of individual establishments.

NA - Not available.

Note: Where used, the ratios are applied at the one and two digit SIC code level. Thus totals may not add due to independent rounding.

Table DS 2-8

Number of Employees in Los Angeles County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	7,119	6,496	10,622	10,639	10,939	10,638	11,879
Agricultural Services(07)	5,987	5,792	9,696	9,925	10,109	9,990	11,170
Forestry(08)	NA	NA	NA	NA	NA	NA	20-99
Fishing, Hunting, Trapping(09)	1,091	667	823	600	713	500-999	524
Mining	13,359	10,731	9,207	9,939	9,637	9,842	22,890
Metal Mining(10)	NA	NA	166	255	146	129	294
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	9,318	6,904	6,026	6,906	6,574	5,722	4,708
Crude Petroleum, Natural Gas(131)	5,361	1,946	2,515	2,763	2,944	2,722	1,882
Natural Gas Liquids(132)	577	132	89	NA	73	58	
Oil and Gas Field Services(138)	3,364	4,816	3,417	4,092	3,555	2,939	2,771
Drilling Oil and Gas Wells(1381)	1,587	1,543	556	636	872	374	410
Oil and Gas Field Exploration(1382)	225	148	NA	NA	421	311	250-499
Nonmetallic Minerals(14)	1,597	860	500-999	500-999	500-999	500-999	500-999
Contract Construction	115,305	103,813	139,204	142,291	127,421	104,555	114,759
General Contractors(15)	28,181	20,036	31,404	31,935	24,813	20,979	25,701
Heavy Construction Contractors(16)	25,376	33,682	34,303	37,281	34,260	24,791	20,736
Special Trade Contractors(17)	61,001	49,572	73,497	73,075	68,348	58,785	68,322
Manufacturing	853,932	788,025	964,761	929,210	903,501	848,064	883,821
Food(20)	49,425	46,373	50,277	48,301	48,847	47,881	46,251
Textile Mill Products(22)	7,233	7,998	10,170	8,637	5,000-9,999	8,079	9,009
Apparel(23)	55,240	65,816	86,232	80,537	83,424	78,953	83,540
Lumber and Wood(24)	7,744	9,142	15,285	12,711	10,737	10,387	12,381
Furniture(25)	28,460	27,233	41,087	39,287	34,410	34,977	39,774
Paper(26)	17,746	14,413	16,912	15,468	15,434	15,591	16,997
Printing and Publishing(27)	42,528	42,792	51,226	52,190	53,220	52,192	53,679
Chemicals(28)	25,507	25,455	28,640	27,260	26,740	26,835	26,037
Petroleum Refining(29)	9,160	9,012	8,989	9,373	10,414	9,076	9,068
Petroleum Refining(291)	7,321	6,994	6,733	7,277	7,516	7,354	7,425
Paving and Roofing Material(295)	1,135	1,389	1,246	1,117	1,471	601	683
Miscellaneous Products(299)	677	629	1,010	941	1,427	1,121	960
Rubber and Miscellaneous Plastics(30)	28,115	28,600	35,711	33,445	31,655	28,297	32,091
Leather(31)	5,019	6,637	10,413	9,018	8,785	5,000-9,999	5,000-9,999
Stone, Clay, Glass(32)	20,495	18,667	24,055	24,198	22,711	19,367	19,804
Primary Metal(33)	24,541	24,110	29,107	26,214	23,873	20,732	22,469
Fabricated Metal(34)	69,087	68,220	90,990	86,408	76,671	70,724	74,623
Machinery(35)	87,187	77,368	90,474	86,214	85,799	71,030	74,788
Electric and Electronic Equipment(36)	86,794	79,978	109,346	107,538	114,836	110,388	111,478
Transportation Equipment(37)	150,268	161,595	178,054	175,399	166,240	163,692	167,215
Measuring Instruments(38)	22,123	23,411	30,973	30,209	26,520	25,054	26,718
Miscellaneous Manufacturing(39)	23,842	19,604	21,139	21,354	22,675	20,822	20,921
Transportation and Public Utilities	166,623	170,440	189,591	184,109	180,883	187,507	190,778

Table DS 2-8 (Cont.)

Number of Employees in Los Angeles County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Local and Interurban Transit(41)	10,997	12,350	9,084	8,137	7,282	5,000-9,999	7,920
Trucking and Warehousing(42)	39,468	37,755	43,808	40,662	39,107	35,582	39,437
Water Transportation(44)	6,632	2,031	7,265	9,187	10,408	10,539	10,059
Transportation by Air(45)	28,684	25,662	34,142	32,623	30,672	30,506	27,968
Pipelines(46)	539	500-999	755	755	526	487	466
Transportation Services(47)	6,769	9,980	14,649	14,377	14,531	15,485	17,392
Communication(48)	56,378	55,258	57,410	55,041	54,530	62,743	60,769
Electric, Gas, Sanitary(49)	16,401	20,094	15,385	16,471	15,401	15,984	16,765
Wholesale Trade	195,973	196,019	244,839	247,741	239,756	235,182	252,405
Durable Goods(50)	NA	116,211	148,849	149,329	142,990	136,075	149,267
Nondurable Goods(51)	NA	68,354	83,899	98,412	96,766	99,107	103,138
Retail Trade	442,419	448,950	532,703	530,331	537,238	532,218	555,275
Building Materials(52)	9,096	11,448	14,253	10,000-24,999	10,000-24,999	13,707	10,000-24,999
General Merchandise(53)	87,570	65,035	57,956	58,029	57,020	51,712	54,575
Food Stores(54)	62,463	60,192	71,402	71,576	72,266	75,626	77,370
Automotive Dealers, Service Stations(55)	61,812	52,861	55,845	53,275	53,078	52,338	56,177
Apparel, Accessories(56)	26,712	31,409	32,879	33,146	35,139	34,661	34,942
Furniture(57)	16,729	14,919	21,666	19,768	19,886	19,210	21,278
Eating, Drinking Places(58)	110,320	125,068	164,175	170,897	167,579	173,829	182,999
Miscellaneous Retail(59)	49,142	61,278	77,989	73,744	72,797	68,592	69,705
Finance, Insurance, Real Estate	168,220	171,433	253,572	263,216	257,651	253,952	256,114
Banking(60)	45,616	40,774	66,291	74,429	70,885	67,455	61,527
Other Credit Agencies(61)	19,254	22,468	30,501	31,117	33,732	37,192	37,581
Security, Commodity Brokers(62)	10,486	7,084	8,242	9,110	9,470	10,197	11,273
Insurance Carriers(63)	44,608	40,212	47,278	46,405	46,243	43,687	44,042
Insurance Agents(64)	12,878	14,516	20,399	20,550	21,400	21,483	22,204
Real Estate(65)	30,671	34,771	54,693	56,331	48,221	46,813	49,767
Real Estate, Insurance(66)	391	395	283	263	294	290	304
Holding, Investment Offices(67)	3,671	5,335	9,204	5,000-9,999	9,658	10,617	11,306
Service Industries	517,678	565,103	815,283	830,153	858,635	851,789	926,401
Hotels, Lodging(70)	25,986	20,569	25,000-49,999	25,000-49,999	29,412	28,442	30,872
Personal Services(72)	40,960	31,992	35,619	35,425	35,343	36,070	37,734
Business Services(73)	106,645	116,260	183,850	184,719	199,636	199,359	222,827
Auto Repair(75)	22,643	21,054	31,062	31,074	31,911	30,996	32,872
Miscellaneous Repair(76)	12,539	11,226	16,237	15,676	10,000-24,999	10,000-24,999	13,399
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	36,581	40,752	63,317	64,621	59,646	50,985	70,334
Recreation, Amusement(79)	20,463	23,798	31,327	34,374	35,124	36,692	43,395
Health Services(80)	128,942	153,851	206,191	210,926	219,047	217,278	222,748
Legal Services(81)	11,717	17,643	27,042	29,873	30,948	32,748	34,210
Education Services(82)	29,814	32,738	57,669	57,470	60,350	61,809	64,724
Social Services(83)	NA	22,681	37,525	36,741	35,000	32,567	37,944
Membership Organizations(86)	37,561	32,231	38,825	37,817	39,876	39,552	45,615

Table DS 2-8 (Cont.)

Number of Employees in Los Angeles County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Miscellaneous Services(89)	39,972	31,658	42,080	46,775	52,686	55,536	53,986
Nonclassifiable Establishments	11,261	20,214	24,796	25,831	5,111	14,444	46,823
Government	NA	478,100	482,900	475,300	468,500	464,900	467,700
Federal	NA	69,700	71,200	67,800	68,000	68,200	69,100
State	NA	245,600	260,600	259,300	257,300	258,000	253,700
Local	NA	162,800	151,100	148,300	143,200	142,500	144,900
Railroad Workers	NA	NA	NA	NA	NA	NA	4,634
Total County	2,491,889	2,959,324	3,667,478	3,648,760	3,599,272	3,513,091	3,733,479

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.
Nicholas Powers, Railroad Retirement Board, Bureau of Research and Analysis, data tables, 1987.
California Economic Development Department, Annual Planning Information, Los Angeles County, (Los Angeles: 1986-1987).

NA - Not available.

Table DS 2-9

Number of Establishments in Los Angeles County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	1,013	1,089	1,228	1,257	1,234	1,389	1,386
Agricultural Services(07)	933	998	1,160	1,188	1,171	1,325	1,326
Forestry(08)	NA	NA	NA	NA	NA	NA	8
Fishing, Hunting, Trapping(09)	76	84	60	60	56	57	50
Mining	293	317	264	278	295	329	317
Metal Mining(10)	NA	NA	14	14	15	26	22
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	231	239	193	210	226	243	237
Crude Petroleum, Natural Gas(131)	118	102	100	111	124	131	126
Natural Gas Liquids(132)	7	10	8	NA	8	7	
Oil and Gas Field Services(138)	104	123	80	88	92	101	100
Drilling Oil and Gas Wells(1381)	22	23	17	18	20	17	20
Oil and Gas Field Exploration(1382)	21	19	NA	NA	13	25	21
Nonmetallic Minerals(14)	31	38	29	30	29	34	32
Contract Construction	8,150	8,064	9,738	9,397	8,501	9,991	9,930
General Contractors(15)	1,879	1,883	2,887	2,671	2,303	2,750	2,692
Heavy Construction Contractors(16)	717	464	451	446	405	426	422
Special Trade Contractors(17)	5,541	5,704	6,390	6,270	5,782	6,803	6,805
Manufacturing	16,663	17,753	18,509	18,491	18,397	19,714	19,306
Food(20)	748	675	684	683	688	747	719
Textile Mill Products(22)	161	204	212	209	215	233	231
Apparel(23)	1,681	2,269	2,518	2,566	2,469	2,942	2,953
Lumber and Wood(24)	395	496	525	497	483	526	515
Furniture(25)	870	824	879	866	881	934	901
Paper(26)	277	267	266	260	259	272	277
Printing and Publishing(27)	1,809	1,980	2,110	2,092	2,191	2,437	2,434
Chemicals(28)	655	666	661	637	624	659	627
Petroleum Refining(29)	90	82	76	81	82	79	80
Petroleum Refining(291)	26	18	22	21	23	22	21
Paving and Roofing Material(295)	36	39	29	32	30	28	32
Miscellaneous Products(299)	26	25	24	27	29	29	27
Rubber and Miscellaneous Plastics(30)	582	744	800	812	805	814	817
Leather(31)	139	156	156	154	145	158	145
Stone, Clay, Glass(32)	490	500	492	492	487	501	462
Primary Metal(33)	436	404	413	421	427	442	416
Fabricated Metal(34)	1,939	1,999	2,069	2,026	2,016	2,109	2,033
Machinery(35)	3,025	2,820	3,004	2,999	2,930	3,024	2,963
Electric and Electronic Equipment(36)	1,117	1,138	1,183	1,201	1,205	1,289	1,267
Transportation Equipment(37)	732	725	704	683	672	703	667
Measuring Instruments(38)	380	504	505	508	509	505	495

Table DS 2-9 (Cont.)

Number of Establishments in Los Angeles County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Miscellaneous Manufacturing(39)	748	859	838	897	903	949	899
Transportation and Public Utilities	2,945	3,997	4,907	4,973	5,092	5,551	5,730
Local and Interurban Transit(41)	114	144	172	184	177	222	242
Trucking and Warehousing(42)	1,681	1,827	1,966	1,869	1,888	2,048	2,007
Water Transportation(44)	100	113	139	127	137	150	137
Transportation by Air(45)	153	179	221	248	263	308	339
Pipelines(46)	6	9	7	6	8	9	9
Transportation Services(47)	540	902	1,408	1,513	1,589	1,840	1,877
Communication(48)	117	410	521	532	535	463	595
Electric, Gas, Sanitary(49)	213	311	341	345	338	357	364
Wholesale Trade	11,048	12,946	14,823	14,985	15,494	17,001	16,858
Durable Goods(50)	NA	8,137	9,478	9,593	9,846	10,712	10,595
Nondurable Goods(51)	NA	4,583	5,069	2,320	5,338	5,974	5,980
Retail Trade	31,096	36,886	36,433	36,766	37,731	41,247	40,392
Building Materials(52)	958	1,102	1,130	1,173	1,192	1,242	1,216
General Merchandise(53)	1,024	854	635	616	595	542	576
Food Stores(54)	2,971	3,995	3,898	4,063	4,229	4,662	4,543
Automotive Dealers, Service Stations(55)	6,096	6,427	5,276	5,122	5,155	5,422	5,180
Apparel, Accessories(56)	2,648	3,748	4,019	4,086	4,221	4,593	4,543
Furniture(57)	2,130	2,512	2,778	2,717	2,827	3,049	3,076
Eating, Drinking Places(58)	8,733	9,377	9,403	9,545	9,847	11,237	11,087
Miscellaneous Retail(59)	6,389	8,471	8,798	8,932	9,212	9,985	9,646
Finance, Insurance, Real Estate	11,092	13,820	16,359	16,102	16,151	17,968	17,539
Banking(60)	161	1,183	1,394	1,416	1,508	1,581	1,574
Other Credit Agencies(61)	1,237	1,794	2,182	2,110	2,139	2,295	2,280
Security, Commodity Brokers(62)	308	356	444	457	497	602	628
Insurance Carriers(63)	341	638	869	848	779	876	870
Insurance Agents(64)	2,128	2,261	2,490	2,543	2,554	2,837	2,756
Real Estate(65)	6,434	6,871	8,148	7,891	7,577	8,548	8,300
Real Estate, Insurance(66)	89	88	75	70	62	71	61
Holding, Investment Offices(67)	381	571	663	677	934	1,066	979
Service Industries	42,036	45,700	53,651	56,052	60,388	68,643	68,838
Hotels, Lodging(70)	1,686	1,105	934	960	969	1,068	1,085
Personal Services(72)	6,852	5,288	4,764	4,684	4,737	5,318	5,123
Business Services(73)	5,620	6,946	8,624	9,104	9,992	11,858	11,848
Auto Repair(75)	3,126	3,725	4,528	4,628	4,829	5,424	5,466
Miscellaneous Repair(76)	1,537	1,729	1,810	1,796	1,736	1,874	1,856
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	1,145	1,587	2,403	2,618	3,025	3,931	3,898

Table DS 2-9 (Cont.)

Number of Establishments in Los Angeles County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Recreation, Amusement(79)	1,443	1,649	2,002	1,953	2,252	2,801	2,682
Health Services(80)	9,978	11,533	13,994	14,719	15,565	17,415	17,445
Legal Services(81)	2,912	3,619	4,337	4,758	5,225	6,167	6,080
Education Services(82)	1,312	961	1,049	1,071	1,112	1,182	1,274
Social Services(83)	NA	1,192	1,812	1,802	2,026	2,192	2,421
Membership Organizations(86)	3,153	3,188	3,094	3,055	3,240	3,362	3,845
Miscellaneous Services(89)	3,200	2,930	3,993	4,618	5,310	5,673	5,462
Nonclassifiable Establishments	2,484	7,318	9,450	9,222	4,021	10,369	16,718
Government	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA
Total County	126,820	147,890	165,362	167,523	167,304	192,202	197,014

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.

NA - Not available.

(a) - An establishment is a single physical location where business is conducted, or where services or industrial operations are performed.

Table DS 2-10

Selected Agriculture Statistics for Los Angeles County, 1978-1985

	Census Statistics												Crop Report	
	Number of Farms			Hired Farm Workers			Payroll (in thousand of 1986 dollars)			Value of Product (in thousand of 1986 dollars) (a)				
SIC Code	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1984	1985
Cash Grains(011)	44	42	39	NA	NA	NA	NA	NA	NA	$1,229	$1,630	$2,031	NA	NA
Field Crops(013)	103	85	66	NA	NA	NA	NA	NA	NA	11,635	10,558	9,482	12,582	10,965
Vegetables and Melons(016)	63	65	66	NA	NA	NA	NA	NA	NA	13,863	26,003	38,143	49,940	47,426
Fruit and Tree Nuts(017)	391	361	330	NA	NA	NA	NA	NA	NA	11,281	10,775	10,269	11,833	12,338
Horticulture Specialties(018)	386	377	368	NA	NA	NA	NA	NA	NA	141,016	136,123	131,229	200,302	180,446
General Farms-Crops(019)	6	6	5	NA	NA	NA	NA	NA	NA	3,704	2,083	462	NA	NA
Livestock(021)	541	655	768	NA	NA	NA	NA	NA	NA	54,250	36,222	18,194	25,734	20,901
Cattle	295	333	370	NA	NA	NA	NA	NA	NA	51,332	33,439	15,545	6,955	1,749
Hogs and Pigs	145	192	238	NA	NA	NA	NA	NA	NA	726	676	626	595	596
Sheep and Lambs	101	131	160	NA	NA	NA	NA	NA	NA	2,192	2,107	2,022	2,886	2,413
Poultry and Eggs(025)	208	246	283	NA	NA	NA	NA	NA	NA	17,232	16,177	15,122	14,393	12,623
Dairy(024)	33	27	21	NA	NA	NA	NA	NA	NA	31,547	22,413	13,278	5,009	5,393
Animal Specialities(027)	587	652	717	NA	NA	NA	NA	NA	NA	11,859	12,594	13,329	NA	NA
Total Agriculture	1,952	2,142	2,331	9,406	9,308	9,210	$61,359	$59,711	$58,062	$297,616	$274,578	$251,541	$321,598	$290,291
Primary Commodities														
Bedding Plants	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	$20,651	$18,372
Horses	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,434	13,668
Indoor Foliage Plants	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15,680	18,372
Ornamental Trees and Shrubs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	136,245	125,668

Table DS 2-10 (Cont.)

Selected Agriculture Statistics for Los Angeles County, 1978-1985

Source: U.S. Department of Commerce, Bureau of the Census, Census of Agriculture, 1978 and 1982.
County of Los Angeles, Department of Agriculture, Agricultural Crop Report, 1985.

(a) - Value of product data may not be directly comparable because the Crop Report (which provides 1984 and 1985 data) does not use Census Bureau categories.

(b) - 1980 data are estimated as the mean of 1978 and 1982.

NA - Not available.

Table DS 2-11

Characteristics of the Housing Stock in Los Angeles County, 1975-1986

	Single Family		2 to 4 Units		5 or More Units		Mobile Homes		Total		Occupied		Vacant		
Year (a)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Persons Per Household
1975	1,554,317	57.4	223,029	8.2	890,035	32.9	38,241	1.4	2,705,622	100.0	2,544,491	94.0	161,131	6.0	2.8
1976	1,557,970	57.2	223,591	8.2	901,734	33.1	38,285	1.4	2,721,580	100.0	2,568,647	94.4	152,933	5.6	2.8
1977	1,563,880	57.1	224,264	8.2	909,776	33.2	39,020	1.4	2,736,940	100.0	2,594,365	94.8	142,575	5.2	2.7
1978	1,577,101	57.0	225,644	8.2	923,442	33.4	39,312	1.4	2,765,499	100.0	2,632,391	95.2	133,108	4.8	2.7
1979	1,590,075	56.8	227,448	8.1	940,577	33.6	39,762	1.4	2,797,862	100.0	2,667,848	95.4	130,014	4.7	2.7
Data above the line have not been adjusted to be consistent with annual data beginning in 1980															
1980	1,605,714	56.2	269,065	9.4	935,955	32.8	44,821	1.6	2,855,555	100.0	2,730,482	95.6	125,073	4.4	2.7
1981	1,610,118	56.0	191,317	6.7	1,028,809	35.8	44,982	1.6	2,875,226	100.0	2,753,334	95.8	121,892	4.2	2.7
1982	1,616,717	55.8	192,850	6.7	1,039,943	35.9	45,376	1.6	2,894,886	100.0	2,775,930	95.9	118,956	4.1	2.7
1983	1,619,762	55.7	194,464	6.7	1,048,471	36.1	45,361	1.6	2,908,058	100.0	2,796,003	96.1	112,055	3.9	2.7
1984	1,625,829	55.6	195,788	6.7	1,056,725	36.1	45,424	1.6	2,923,766	100.0	2,812,948	96.2	110,818	3.8	2.8
1985	1,633,596	55.5	199,622	6.8	1,065,989	36.2	45,306	1.5	2,944,513	100.0	2,840,009	96.5	104,504	3.6	2.8
1986	1,643,697	55.2	202,385	6.8	1,084,398	36.4	45,617	1.5	2,976,097	100.0	2,873,483	96.6	102,614	3.5	2.8

Source: California Department of Finance, Population Research Unit, Population and Housing Estimates for California Cities and Counties, 1975-1986, Report E-5 (Sacramento).

(a) - As of January 1.

Table DS 2-12

Campground Inventory in Los Angeles County, 1986

County	Type	Name	Months Open	Tent Spaces	RV Spaces	Tent and RV Spaces	Hookups
Los Angeles	City or Special District Park	Bicentennial Park	AY		83		17 EW, 33S
Los Angeles	City or Special District Park	Shoreline RV Park	AY		70		70 EWS
Los Angeles	County Park	Dockweiler Beach RV Park	AY		160		
Los Angeles	Forest Service	Angeles Natl Fst (Apple Tree)	5-11	8			
Los Angeles	Forest Service	Angeles Natl Fst (Atmore Meadows)	5-11	6			
Los Angeles	Forest Service	Angeles Natl Fst (Bandido Group Camp)	4-12			24	
Los Angeles	Forest Service	Angeles Natl Fst (Basin)	4-11	12		12	
Los Angeles	Forest Service	Angeles Natl Fst (Big Oak)				9	
Los Angeles	Forest Service	Angeles Natl Fst (Big Rock)	6-10			8	
Los Angeles	Forest Service	Angeles Natl Fst (Blue Ridge)	6-10			8	
Los Angeles	Forest Service	Angeles Natl Fst (Bouquet)	AY			4	
Los Angeles	Forest Service	Angeles Natl Fst (Buckhorn)	5-10			37	
Los Angeles	Forest Service	Angeles Natl Fst (Cabin Flat)	5-10			11	
Los Angeles	Forest Service	Angeles Natl Fst (Chaparral)	5-10			7	
Los Angeles	Forest Service	Angeles Natl Fst (Chilao)	5-11			135	
Los Angeles	Forest Service	Angeles Natl Fst (Cienaga)	4-11	8		14	
Los Angeles	Forest Service	Angeles Natl Fst (Coldbrook)	AY			25	
Los Angeles	Forest Service	Angeles Natl Fst (Cottonwood Group Camp)	5-10			X	
Los Angeles	Forest Service	Angeles Natl Fst (Cottonwood)	5-10			22	
Los Angeles	Forest Service	Angeles Natl Fst (Coulter Group Camp)	5-11			X	
Los Angeles	Forest Service	Angeles Natl Fst (Crystal Lake)	5-10			176	
Los Angeles	Forest Service	Angeles Natl Fst (Deer Flats Group Camp)	6-10			9	
Los Angeles	Forest Service	Angeles Natl Fst (Fall Creek Group Camp)	3-11				
Los Angeles	Forest Service	Angeles Natl Fst (Grassy Hallow)	5-11			15	
Los Angeles	Forest Service	Angeles Natl Fst (Guffy)	5-10			6	
Los Angeles	Forest Service	Angeles Natl Fst (Hollow Tree)	AY			5	
Los Angeles	Forest Service	Angeles Natl Fst (Horse Flats)	5-11			25	
Los Angeles	Forest Service	Angeles Natl Fst (Jackson Flats Group Cp)	6-10			X	
Los Angeles	Forest Service	Angeles Natl Fst (Joshua Tree)	AY			12	
Los Angeles	Forest Service	Angeles Natl Fst (Juniper Grove)	AY			7	

Table DS 2-12 (Cont.)

Campground Inventory in Los Angeles County, 1986

County	Type	Name	Months Open	Tent Spaces	RV Spaces	Tent and RV Spaces	Hookups
Los Angeles	Forest Service	Angeles Natl Fst (Lake)	5-11			8	
Los Angeles	Forest Service	Angeles Natl Fst (Lakeside)	AY			7	
Los Angeles	Forest Service	Angeles Natl Fst (Lightning Pt Grp Camp)	4-11				
Los Angeles	Forest Service	Angeles Natl Fst (Little Cedars)	5-11	4			
Los Angeles	Forest Service	Angeles Natl Fst (Little Sycamore)	5-11			9	
Los Angeles	Forest Service	Angeles Natl Fst (Live Oak)	AY			10	
Los Angeles	Forest Service	Angeles Natl Fst (Los Alamos Group Camp)	AY	X		X	
Los Angeles	Forest Service	Angeles Natl Fst (Los Alamos)	AY			93	
Los Angeles	Forest Service	Angeles Natl Fst (Lower Shake)	5-11	5			
Los Angeles	Forest Service	Angeles Natl Fst (Lupine)	6-10	11			
Los Angeles	Forest Service	Angeles Natl Fst (Messenger Flats)	4-11	10			
Los Angeles	Forest Service	Angeles Natl Fst (Millard)	AY	7			
Los Angeles	Forest Service	Angeles Natl Fst (Monte Cristo)	AY			19	
Los Angeles	Forest Service	Angeles Natl Fst (Mount Pacifico)	4-10			10	
Los Angeles	Forest Service	Angeles Natl Fst (Mountain Oak)	5-10			17	
Los Angeles	Forest Service	Angeles Natl Fst (Oak Flat)	AY			23	
Los Angeles	Forest Service	Angeles Natl Fst (Peavine)	5-11	4			
Los Angeles	Forest Service	Angeles Natl Fst (Prospect)	AY	22			
Los Angeles	Forest Service	Angeles Natl Fst (Roundtop Ridge)	4-11			4	
Los Angeles	Forest Service	Angeles Natl Fst (Sawmill)	5-11			13	
Los Angeles	Forest Service	Angeles Natl Fst (Soledad)	AY			6	
Los Angeles	Forest Service	Angeles Natl Fst (South Fork Grp Camp)	5-11				
Los Angeles	Forest Service	Angeles Natl Fst (South Fork)	5-11			21	
Los Angeles	Forest Service	Angeles Natl Fst (South Portal)	5-10	10			
Los Angeles	Forest Service	Angeles Natl Fst (Spunky)	4-10			10	
Los Angeles	Forest Service	Angeles Natl Fst (Streamside)	4-10			9	
Los Angeles	Forest Service	Angeles Natl Fst (Sulphur Springs)	4-11			12	
Los Angeles	Forest Service	Angeles Natl Fst (Sycamore Flats)	AY			11	
Los Angeles	Forest Service	Angeles Natl Fst (Table Mountain)	5-10			115	
Los Angeles	Forest Service	Angeles Natl Fst (The Falls)	4-10			14	

Table DS 2-12 (Cont.)

Campground Inventory in Los Angeles County, 1986

County	Type	Name	Months Open	Tent Spaces	RV Spaces	Tent and RV Spaces	Hookups
Los Angeles	Forest Service	Angeles Natl Fst (Upper Shake)	5-11			17	
Los Angeles	Forest Service	Angeles Natl Fst (Valley Forge)	4-11	11			
Los Angeles	Forest Service	Angeles Natl Fst (Vogel Flats)	AY	18			
Los Angeles	Forest Service	Angeles Natl Fst (Warm Springs)	5-11			12	
Los Angeles	Forest Service	Angeles Natl Fst (West Fork)	4-11	7			
Los Angeles	Forest Service	Angeles Natl Fst (Zuni)	4-11			9	
Los Angeles	Privately Operated	Castaic Lake RV Park	AY		103		103 EWS
Los Angeles	Privately Operated	Los Angeles-San Fernando Valley KOA	AY	95	126		120 EW, 70S
Los Angeles	Privately Operated	Travel Village	AY		231	195	231 EWS

Source: Automobile Club of California, Southern California Camping (Los Angeles: 1986).

AY - All Year.
E - Electric.
W - Water

Table DS 2-13

Police and Fire Departments/Districts, Los Angeles County, 1987

Police Departments

Alhambra Police Department, Alhambra
Arcadia Police Department, Arcadia
Azusa Police Department, Azusa
Baldwin Park Police Department, Baldwin Park
Bell Gardens Police Department, Bell Gardens
Bell Police Department, Bell
Beverly Hills Police Department, Beverly Hills
Burbank Police Department, Burbank
Claremont Police Department, Claremont
Compton Police Department, Compton
Covina Police Department, Covina
Culver City Police Department, Culver City
Downey Police Department, Downey
El Monte Police Department, El Monte
El Segundo Police Department, El Segundo
Gardena Police Department, Gardena
Glendale Police Department, Glendale
Glendora Police Department, Glendora
Hawthorne Police Department, Hawthorne
Hemorsa Beach Police Department, Hermosa Beach
Huntington Park Police Department, Huntington Park
Inglewood Police Department, Inglewood
Irwindale Police Department, Irwindale
La Verne Police Department, La Verne
Long Beach Police Department, Long Beach
Los Angeles County Sheriff's Department, Los Angeles
Los Angeles Police Department, Los Angeles
Manhattan Beach Police Department, Manhattan Beach
Maywood Police Department, Maywood
Monrovia Police Department, Monrovia
Montebello Police Department, Montebello
Monterey Park Police Department, Monterey Park
Palos Verdes Estates Police Department, Palos Verdes Estates
Pasadena Police Department, Pasadena
Pomona Police Department, Pomona
Redondo Beach Police Department, Redondo Beach
San Fernando Police Department, San Fernando
San Gabriel Police Department, San Gabriel
San Marino Police Department, San Marino
Santa Monica Police Department, Santa Monica
Sierra Madre Police Department, Sierra Madre
Signal Hill Police Department, Signal Hill
South Gate Police Department, South Gate
South Pasadena Police Department, South Pasadena
Torrance Police Department, Torrance
Vernon Police Department, Vernon
West Covina Police Department, West Covina
Whittier Police Department, Whittier

Table DS 2-13 (Cont.)

Police and Fire Departments/Districts, Los Angeles County, 1987

Fire Departments and Fire Districts
- Alhambra Fire Department, Alhambra
- Arcadia Fire Department, Arcadia
- Atlantic Richfield Co, Carson
- Avalon Fire Department, Avalon
- Beverly Hills Fire Department, Beverly Hills
- Burbank Fire Department, Burbank
- Compton Fire Department, Compton
- Covina Fire Department, Covina
- Culver City Fire Department, Culver City
- Douglas Aircraft Company, Long Beach
- Downey Fire Department, Downey
- Edison Co. Alamitos, Long Beach
- El Monte Fire Department, El Monte
- El Segundo Fire Department, El Segundo
- Gardena Fire Department, Gardena
- General Dynamics Fire Department, Pomona
- Glendale Fire Department, Glendale
- Hawthorne Fire Department, Hawthorne
- Hermosa Beach Fire Department, Hermosa Beach
- Hughes Aircraft Company, El Segundo
- Inglewood Fire Department, Inglewood
- Jet Propulsion Lab Fire Department, Pasadena
- La Habra Heights Volunteer Fire Department, La Habra Heights
- La Verne Fire Department, La Verne
- Lanterman St. Hospital Fire Department, Pomona
- Lockheed Fire Department, Palmdale
- Long Beach Fire Department, Long Beach
- Los Angeles County Fire Department, Los Angeles
- Los Angeles City Fire Department, Los Angeles
- Lynwood Fire Department, Lynwood
- Manhattan Beach Fire Department, Manhattan Beach
- Monrovia Beach, Monrovia
- Montebello Fire Department, Montebello
- Monterey Park Fire Department, Monterey Park
- McDonald Douglas Helicopter, Culver City
- Nero & Associates, Inc., Fire Department, Palmdale
- Northrop Aircraft, Hawthorne
- Northrop Corporation Fire Department, Pico Rivera
- Palos Verdes Estates Fire Department, Palos Verdes
- Pasadena Fire Department, Pasadena
- Pomona Fire Department, Pomona
- Redondo Beach Fire Department, Redondo Beach
- Rockwell International Fire Department, Palmdale
- San Gabriel Fire Department, San Gabriel
- San Marino Fire Department, San Marino
- Santa Fe Springs Fire Department, Santa Fe Springs
- Santa Monica Fire Department, Santa Monica
- Shell Oil Company WMC Fire Department, Carson
- Sierra Madre Fire Department, Sierra Madre

Table DS 2-13 (Cont.)

Police and Fire Departments/Districts, Los Angeles County, 1987

Fire Departments and Fire Districts
- South Pasadena Fire Department, South Pasadena
- Speedway Volunteer Fire Department, Glendora
- Terminal Island Naval Fire Department, Long Beach
- Torrance Fire Department, Torrance
- UC Campus Fire Marshal, Los Angeles
- Vernon Fire Department, Vernon
- West Covina Fire Department, West Covina

Source: Commission on Peace Officer Standards and Training, Employment Data for California Law Enforcement (Sacramento: 1986).
California Fire Chief's Association (Sacramento: 1987).

Table DS 2-14

State and Federal Large Water Systems, Los Angeles County, 1987

System Name	Area Served	Ownership	Sources of Water
California State Parks	Leo Carillo State Park	State	Wells
Cal Dept of Water Resources	OSO Pump Plant	State	Irrigation Ditch-Canal
Cal Dept of Water Resources	Pearblossom Pump Plant	State	Irrigation Ditch-Canal
US Forest Service	Red Box Springs	Federal	Spring
US Forest Service	Sam Olene GR	Federal	Stream
US Forest Service	Bear Canyon Spring	Federal	Spring
US Forest Service	Texas Canyon Station	Federal	Wells
US Forest Service	Stevens Spring	Federal	Spring
US Forest Service	Mt Lowe Spring	Federal	Spring
US Forest Service	Switzer PG	Federal	Spring
US Forest Service	Valley Forge CG	Federal	Stream
US Forest Service	Horse Flats Well	Federal	Wells
US Forest Service	Sulfur Springs CG	Federal	Spring
US Forest Service	Rush CR Stream	Federal	Stream
US Forest Service	Charlton Well 1	Federal	Wells
US Forest Service	Charlton Well 2	Federal	Wells
US Forest Service	Clewaga Well	Federal	Stream
US Forest Service	Coldbrook CG	Federal	Stream
US Forest Service	Yucca Flats	Federal	Spring
US Forest Service	Manker Spring CG	Federal	Spring
US Forest Service	Glenn CG	Federal	Spring
US Forest Service	Big Cienaga Spring CG	Federal	Spring
US Forest Service	Hocamac Spring CG	Federal	Spring
US Forest Service	Eldoradoville PG	Federal	Wells
US Forest Service	Alexander Spring CG	Federal	Spring
US Forest Service	Artesian Spring	Federal	Spring
US Forest Service	Streamside CG	Federal	Wells
US Forest Service	Big Oak CG	Federal	Wells
US Forest Service	South Portal CG	Federal	Wells
US Forest Service	Spunk Spring CG	Federal	Spring
US Forest Service	Cottonwood CG	Federal	Wells
US Forest Service	Prospect CG	Federal	Wells
US Forest Service	Cienaga CG	Federal	Wells
US Forest Service	Atmore CG	Federal	Spring
US Forest Service	Upper Shake CG	Federal	Spring
US Forest Service	Oak Flat Station	Federal	Spring
US Forest Service	Falls CG	Federal	Wells
US Forest Service	Warmsprings CG	Federal	Spring
US Forest Service	Pyramid Lake	Federal	Stream
US Forest Service	Pine Canyon Spring	Federal	Spring
US Forest Service	Winston Spring CG	Federal	Spring
US Forest Service	Little Rock Reservoir	Federal	Impounding Reservoir
US Forest Service	Appletree CG	Federal	Wells
US Forest Service	Columbine Spring CG	Federal	Spring
US Forest Service	Little Jimmy Spring	Federal	Spring
US Forest Service	Sycamore Well	Federal	Wells

Table DS 2-14 (Cont.)

State and Federal Large Water Systems, Los Angeles County, 1987

System Name	Area Served	Ownership	Sources of Water
US Forest Service	S Fork CG	Federal	Spring
US Forest Service	Bighorn CG	Federal	Spring
US Forest Service	Basin CG	Federal	Wells
US Forest Service	Bigpines CG	Federal	Wells
US Forest Service	Jackson Lake	Federal	Lake
US Forest Service	Dear Spring CG	Federal	Spring
US Forest Service	Monte Cristo CG	Federal	Spring
US Forest Service	Hidden Spring PA	Federal	Spring
US Forest Service	Comm Ranger Station	Federal	Wells
US Forest Service	Soledad CG	Federal	Wells

Source: State of California, Department of Health Services (Sacramento: 1987).

Table DS 2-15

Enrollment by School District, by Grade, Los Angeles County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
ABC Unified	1,526	1,577	1,518	1,641	1,853	1,821	1,861	1,748	1,753	1,950	1,772	1,711	1,404	22,135	1,349
Alhambra City Elementary	922	925	896	979	998	1,084	1,122	1,069	1,042	0	0	0	0	9,037	0
Alhambra City High	0	0	0	0	0	0	0	0	0	2,160	2,388	2,151	1,610	8,309	1,448
Antelope Valley Union High	0	0	0	0	0	0	0	0	0	1,827	1,709	1,650	1,437	6,623	1,250
Arcadia Unified	386	416	435	462	564	665	708	698	769	780	798	843	860	8,384	792
Azusa Unified	754	727	657	668	638	721	729	659	674	826	705	560	589	8,907	460
Baldwin Park Unified	1,137	1,130	988	970	995	932	910	869	843	1,129	854	621	482	11,860	458
Bassett Unified	412	387	375	393	370	423	379	400	427	395	400	392	370	5,123	359
Bellflower Unified	609	582	543	537	604	621	589	592	599	676	781	868	728	8,329	709
Beverly Hills Unified	145	194	222	267	321	431	471	498	480	598	671	680	593	5,571	666
Bonita Unified	537	542	529	586	697	771	702	713	665	714	727	659	619	8,461	522
Burbank Unified	660	680	717	744	850	949	978	1,010	937	966	1,045	1,001	972	11,509	806
Castaic Union Elementary	40	45	49	28	27	37	29	52	36	0	0	0	0	343	0
Centinela Valley Union High	0	0	0	0	0	0	0	0	0	2,113	1,528	1,467	1,164	6,272	1,074
Charter Oak Unified	342	343	301	373	417	448	508	543	522	564	563	601	543	6,068	533
Claremont Unified	303	338	288	345	367	439	471	487	413	455	515	537	444	5,402	457
Compton Unified	2,177	2,303	2,235	2,214	2,272	2,410	2,368	2,594	2,445	2,426	2,266	1,886	1,542	29,138	1,270
Covina-Valley Unified	602	604	586	725	696	816	779	901	887	1,050	1,014	948	800	10,408	887
Culver City Unified	233	300	296	356	368	395	403	459	437	434	541	505	421	5,148	445
Downey Unified	911	839	777	827	946	953	993	954	1,029	1,134	1,119	1,086	940	12,508	1,002
Duarte Unified	345	321	303	332	319	340	292	290	256	360	252	244	167	3,821	145
East Whittier City Elementary	613	584	553	587	681	744	692	685	744	0	0	0	0	5,883	0
Eastside Union Elementary	35	63	60	51	38	54	69	58	66	0	0	0	0	494	0
El Monte Elementary	1,150	1,130	1,012	970	973	973	936	906	898	0	0	0	0	8,948	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
El Monte Union High	0	0	0	0	0	0	0	0	0	1,947	1,961	1,682	1,353	6,943	1,131
El Rancho Unified	883	812	752	764	832	854	801	819	810	720	832	828	773	10,480	562
El Segundo Unified	113	105	111	117	136	162	142	180	164	182	232	247	223	2,114	192
Garvey Elementary	801	763	668	676	643	668	642	595	638	0	0	0	0	6,094	0
Glendale Unified	1,136	1,206	1,200	1,314	1,450	1,563	1,644	1,681	1,679	1,736	1,864	1,810	1,665	19,948	1,585
Glendora Unified	340	347	334	363	407	452	512	515	563	561	593	658	655	6,300	550
Gorman Elementary	3	9	3	6	4	8	7	2	2	0	0	0	0	44	0
Hacienda La Puente Unified	1,463	1,581	1,555	1,631	1,796	1,959	1,854	1,935	1,872	1,897	2,082	1,945	1,702	23,272	1,637
Hawthorne Elementary	506	531	495	536	534	548	511	558	520	0	0	0	0	4,739	0
Hermosa Beach City Elementary	80	63	83	77	93	119	138	143	112	0	0	0	0	908	0
Hughes-Elizabeth Lakes Union Elementary	21	11	18	20	20	27	25	27	28	0	0	0	0	197	22
Inglewood Unified	998	1,145	1,098	1,088	1,234	1,251	1,204	1,058	988	1,012	944	883	695	13,598	618
Keppel Union Elementary	101	101	106	97	117	94	92	90	100	0	0	0	0	898	1
La Canada Unified	153	171	164	203	226	278	272	309	297	312	330	385	399	3,499	404
Lancaster Elementary	584	612	589	648	723	744	747	498	543	206	187	0	0	6,081	0
Las Virgenes Unified	293	396	410	478	566	627	724	722	745	781	724	754	805	8,025	665
Lawndale Elementary	484	432	432	405	460	441	437	411	437	0	0	0	0	3,939	0
Lennox Elementary	558	602	472	527	486	521	388	409	397	0	0	0	0	4,360	0
Little Lake City Elementary	463	419	391	442	472	488	503	466	469	0	0	0	0	4,113	0
Long Beach Unified	4,276	4,294	4,197	4,266	4,439	4,716	4,359	4,218	4,162	4,217	4,600	4,165	3,490	55,399	3,087
Los Angeles County Schools	12	27	34	54	24	42	25	44	9	13	12	9	7	312	286
Los Angeles Co. Spec. Ed. Schs	1	4	2	0	1	9	16	44	155	515	738	835	545	2,865	26
Los Angeles Unified	40,477	41,690	40,146	39,322	40,680	41,253	41,061	39,880	38,949	39,988	44,775	41,282	30,952	520,455	24,563
Los Nietos Elementary	241	196	217	182	202	206	229	208	206	0	0	0	0	1,887	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
Lowell Joint Elementary	227	184	220	248	286	338	367	342	408	0	0	0	0	2,620	0
Lynwood Unified	1,110	1,049	997	1,041	935	936	797	735	713	975	650	441	306	10,685	304
Manhattan Beach City Elementary	244	265	237	285	352	398	427	389	388	0	0	0	0	2,985	0
Monrovia Unified	441	459	391	400	426	425	420	374	348	446	439	483	375	5,427	313
Montebello Unified	2,491	2,411	2,206	2,017	2,291	2,139	1,961	1,846	1,713	2,055	1,936	1,798	1,524	26,388	2,851
Mountain View Elementary	1,011	908	810	736	738	645	627	549	521	0	0	0	0	6,545	0
Newhall Elementary	353	313	374	394	431	495	495	0	0	0	0	0	0	2,855	0
Norwalk-La Mirada Unified	1,355	1,357	1,299	1,350	1,542	1,536	1,524	1,390	1,523	1,569	1,598	1,600	1,387	19,030	1,329
Palmdale Elementary	391	400	331	385	408	386	404	349	361	0	0	0	0	3,415	0
Palos Verdes Peninsula Unified	465	520	564	679	787	967	1,106	1,144	1,141	1,322	1,410	1,555	1,508	13,168	1,539
Paramount Unified	983	905	871	836	784	826	753	760	683	931	602	427	358	9,719	378
Pasadena Unified	1,514	1,724	1,499	1,622	1,671	1,752	1,704	1,748	1,740	1,851	1,975	1,670	1,383	21,853	1,323
Pomona Unified	1,796	1,755	1,577	1,536	1,572	1,571	1,543	1,433	1,522	1,777	1,343	1,026	784	19,235	672
Redondo Beach City Elementary	489	462	447	453	542	573	486	444	551	212	0	0	0	4,659	244
Rosemead Elementary	259	255	214	269	253	288	274	276	239	0	0	0	0	2,327	0
Rowland Unified	1,229	1,298	1,263	1,328	1,388	1,467	1,378	1,366	1,317	1,207	1,330	1,322	1,192	17,085	834
San Gabriel Elementary	332	311	312	292	348	371	316	326	330	0	0	0	0	2,938	0
San Marino Unified	111	140	174	181	199	257	220	226	269	298	325	319	328	3,047	340
Santa Monica-Malibu Unified	598	680	673	718	832	952	941	960	965	1,025	1,085	1,132	983	11,544	982
Saugus Union Elementary	517	519	497	500	591	620	625	0	0	0	0	0	0	3,869	0
Soledad-Agua Dulce Union Elementary	61	63	82	72	68	110	96	116	74	0	0	0	0	742	0
South Bay Union High	0	0	0	0	0	0	0	0	0	1,154	1,259	1,403	1,151	4,967	4,417
South Pasadena Unified	153	182	177	212	241	260	271	297	299	318	354	370	346	3,480	317
South Whittier Elementary	410	411	337	350	362	383	340	299	322	0	0	0	0	3,214	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
Sulphur Springs Union Elementary	207	246	235	233	301	346	352	0	0	0	0	0	0	1,920	0
Temple City Unified	228	245	232	265	318	372	337	328	392	422	423	453	406	4,421	357
Torrance Unified	1,108	1,191	1,226	1,350	1,495	1,656	1,682	1,702	1,766	1,932	2,093	2,152	2,178	21,531	1,987
Valle Lindo Elementary	97	84	80	74	80	77	90	89	96	0	0	0	0	767	0
Walnut Valley Unified	463	540	503	567	652	689	692	675	711	770	733	744	595	8,334	538
West Covina Unified	496	509	475	555	548	619	628	697	649	768	879	826	739	8,388	780
Westside Union Elementary	174	169	195	197	197	246	237	229	265	0	0	0	0	1,909	0
Whittier City Elementary	551	554	530	520	541	625	607	556	558	0	0	0	0	5,042	0
Whittier Union High	0	0	0	0	0	0	0	0	0	2,391	2,489	2,644	2,491	10,015	2,184
William S. Hart Union High	0	0	0	0	0	0	0	1,490	1,383	1,606	1,504	1,525	1,215	8,723	1,084
Wilsona Elementary	60	57	57	43	59	46	58	44	50	0	0	0	0	474	0
Wiseburn Elementary	124	112	107	126	134	165	143	160	186	0	0	0	0	1,257	0
Total	87,874	89,825	86,009	87,105	91,911	95,593	94,223	92,336	91,250	97,673	101,949	95,783	78,198	1,189,729	72,734

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
ABC Unified	1,524	1,546	1,619	1,575	1,694	1,895	1,859	1,811	1,755	9	2,024	1,862	1,730	1,645	33	22,581	903
Alhambra City Elementary	1,042	998	998	921	1,016	1,042	1,150	1,173	1,071	158	0	0	0	0	0	9,569	0
Alhambra City High	0	0	0	0	0	0	0	0	0	0	2,241	2,333	2,353	1,676	317	8,920	1,363
Antelope Valley Union High	0	0	0	0	0	0	0	0	0	0	1,666	1,949	1,632	1,416	0	6,663	1,323
Arcadia Unified	340	403	421	460	478	606	713	762	743	208	586	799	804	822	0	8,145	790
Azusa Unified	785	746	737	680	705	687	750	693	691	22	847	644	569	439	111	9,106	479
Baldwin Park Unified	1,248	1,142	1,115	1,013	965	1,047	960	959	852	51	1,171	884	667	474	0	12,548	404
Bassett Unified	444	373	381	382	402	391	407	392	403	0	404	413	441	446	0	5,279	285
Bellflower Unified	631	555	571	570	556	649	695	686	666	0	738	724	673	673	301	8,688	795
Beverly Hills Unified	143	177	202	247	304	341	465	502	510	58	584	663	650	629	0	5,475	592
Bonita Unified	555	587	545	577	643	726	763	766	751	0	711	703	751	661	0	8,739	568
Burbank Unified	692	744	687	735	759	916	943	1,058	1,026	8	951	1,030	1,036	980	0	11,565	798
Castaic Union Elementary	46	55	43	47	36	24	41	35	52	6	0	0	0	0	0	385	0
Centinela Valley Union High	0	0	0	0	0	0	0	0	0	0	1,787	1,594	1,554	1,290	0	6,225	839
Charter Oak Unified	329	373	342	298	383	438	472	538	528	0	520	561	597	557	0	5,936	505
Claremont Unified	314	303	341	319	357	387	477	514	506	1	467	471	538	554	0	5,549	463
Compton Unified	2,286	2,368	2,279	2,182	2,149	2,188	2,360	2,876	2,538	94	2,296	2,070	1,857	1,672	55	29,270	1,320
Covina-Valley Unified	671	688	693	664	810	783	916	925	929	79	1,158	1,046	916	811	0	11,089	799
Culver City Unified	274	254	305	275	355	378	395	432	470	17	470	520	515	431	0	5,091	379
Downey Unified	875	908	826	800	825	981	995	1,081	989	58	1,188	1,172	1,143	1,060	37	12,938	866
Duarte Unified	340	371	308	289	328	306	340	292	270	26	274	345	224	180	0	3,893	149
East Whittier City Elementary	607	604	581	562	609	653	722	723	706	82	0	0	0	0	29	5,878	0
Eastside Union Elementary	60	42	69	51	53	42	60	78	60	0	0	0	0	0	0	515	0
El Monte Elementary	1,180	1,161	1,082	1,020	945	983	1,035	935	914	345	0	0	0	0	0	9,600	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
El Monte Union High	0	0	0	0	0	0	0	0	0	0	2,058	1,907	1,625	1,330	0	6,920	1,187
El Rancho Unified	885	825	766	704	756	831	857	801	807	26	772	787	744	761	0	10,322	466
El Segundo Unified	103	109	101	107	124	140	180	153	177	0	167	182	237	207	0	1,987	0
Garvey Elementary	833	848	729	735	704	648	679	657	653	21	0	0	0	0	0	6,507	0
Glendale Unified	1,169	1,198	1,213	1,213	1,325	1,491	1,614	1,788	1,729	299	1,379	1,909	1,839	1,812	58	20,036	1,714
Glendora Unified	326	379	344	340	383	425	457	541	540	0	578	576	607	650	0	6,146	557
Gorman Elementary	8	1	8	2	6	7	5	9	1	0	0	0	0	0	0	47	0
Hacienda La Puente Unified	1,525	1,481	1,597	1,610	1,663	1,840	2,004	1,909	1,920	35	1,901	1,863	2,053	1,909	0	23,310	1,507
Hawthorne Elementary	482	513	509	497	530	520	386	548	555	229	0	0	0	0	0	4,769	0
Hermosa Beach City Elementary	72	92	66	98	79	105	116	135	136	0	0	0	0	0	0	899	0
Hughes-Elizabeth Lakes Union Elementary	34	24	15	23	21	22	23	28	29	0	0	0	0	0	0	219	0
Inglewood Unified	1,024	1,210	1,104	1,115	1,131	1,185	1,191	1,175	980	30	1,040	937	865	831	14	13,832	551
Keppel Union Elementary	87	104	99	106	107	106	101	98	104	0	0	0	0	0	0	912	0
La Canada Unified	137	168	169	168	216	250	279	283	305	53	321	335	336	375	33	3,428	397
Lancaster Elementary	634	633	601	629	671	766	776	745	704	18	0	0	0	0	0	6,177	0
Las Virgenes Unified	285	383	368	444	512	585	683	752	727	46	761	759	657	704	88	7,754	740
Lawndale Elementary	500	490	422	416	425	454	439	436	431	70	0	0	0	0	0	4,083	0
Lennox Elementary	588	653	600	503	513	513	492	421	412	0	0	0	0	0	0	4,695	0
Little Lake City Elementary	449	447	398	390	443	468	464	488	483	134	0	0	0	0	0	4,164	0
Long Beach Unified	4,431	4,571	4,347	4,282	4,349	4,512	4,839	4,443	4,316	612	4,310	4,382	4,231	3,595	247	57,467	2,993
Los Angeles County Schools	44	36	40	46	39	46	48	54	72	2,838	62	78	57	59	1,023	4,542	22
Los Angeles Co. Spec. Ed. Schs	0	0	2	0	1	6	21	46	135	3	471	820	892	491	90	2,978	31
Los Angeles Unified	42,547	43,549	41,932	40,424	39,481	41,388	41,420	41,823	39,398	7,034	38,765	48,548	37,940	31,410	5,244	540,903	23,981
Los Nietos Elementary	195	226	203	200	188	192	197	214	189	45	0	0	0	0	0	1,849	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Lowell Joint Elementary	224	234	192	232	272	293	349	365	344	22	0	0	0	0	65	2,592	0
Lynwood Unified	1,024	1,167	1,035	987	1,019	941	919	865	748	11	853	783	560	349	0	11,261	307
Manhattan Beach City Elementary	232	234	257	235	265	343	403	429	391	53	0	0	0	0	0	2,842	0
Monrovia Unified	456	432	425	375	387	427	395	366	373	59	423	450	427	416	6	5,417	254
Montebello Unified	2,572	2,453	2,259	2,154	2,037	2,050	2,124	2,024	1,905	370	2,191	1,969	1,769	1,550	163	27,590	1,321
Mountain View Elementary	1,100	992	829	789	708	721	645	577	541	0	0	0	0	0	0	6,902	0
Newhall Elementary	347	367	304	394	400	458	507	0	0	30	0	0	0	0	0	2,807	0
Norwalk-La Mirada Unified	1,465	1,283	1,308	1,320	1,323	1,547	1,456	1,480	1,438	247	1,245	1,575	1,618	1,421	178	18,904	962
Palmdale Elementary	435	366	377	343	378	406	390	402	349	21	0	0	0	0	0	3,467	0
Palos Verdes Peninsula Unified	473	506	535	590	723	839	1,026	1,145	1,170	58	1,216	1,288	1,412	1,424	0	12,405	1,567
Paramount Unified	1,048	928	851	817	830	791	794	726	720	0	842	842	651	356	0	10,196	387
Pasadena Unified	1,621	1,732	1,653	1,515	1,562	1,708	1,730	1,754	1,780	67	2,052	2,046	1,809	1,390	1	22,420	1,326
Pomona Unified	1,897	1,947	1,678	1,602	1,585	1,606	1,605	1,668	1,395	139	1,825	1,284	1,148	767	29	20,175	684
Redondo Beach City Elementary	451	465	451	446	447	539	584	564	575	9	0	0	0	0	0	4,531	0
Rosemead Elementary	269	256	248	230	278	260	281	279	259	33	0	0	0	0	0	2,393	0
Rowland Unified	1,162	1,249	1,337	1,256	1,344	1,405	1,457	1,471	1,318	31	1,562	1,238	1,024	995	300	17,149	901
San Gabriel Elementary	308	329	310	317	286	356	362	362	353	42	0	0	0	0	9	3,034	0
San Marino Unified	155	135	143	185	179	217	260	257	237	9	285	288	317	315	0	2,982	325
Santa Monica-Malibu Unified	618	656	677	637	689	823	947	984	914	69	925	1,137	1,077	995	0	11,148	875
Saugus Union Elementary	551	523	525	513	507	638	633	0	0	0	0	0	0	0	0	3,890	0
Soledad-Agua Dulce Union Elementary	82	65	75	74	87	80	104	104	119	7	0	0	0	0	0	797	0
South Bay Union High	0	0	0	0	0	0	0	0	0	0	1,136	1,239	1,415	1,308	0	5,098	1,113
South Pasadena Unified	148	162	185	195	219	244	257	287	286	0	304	328	372	362	2	3,351	306
South Whittier Elementary	386	378	390	339	368	363	390	336	312	25	0	0	0	0	0	3,287	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Sulphur Springs Union Elementary	261	217	235	269	257	311	347	0	0	12	0	0	0	0	0	1,909	0
Temple City Unified	265	231	261	230	266	304	384	328	358	21	412	431	435	422	0	4,348	349
Torrance Unified	1,052	1,154	1,203	1,207	1,378	1,490	1,638	1,750	1,750	26	2,026	2,133	2,171	2,086	0	21,064	1,926
Valle Lindo Elementary	92	79	74	76	77	84	83	95	90	16	0	0	0	0	0	766	0
Walnut Valley Unified	487	478	569	527	582	677	722	705	676	68	730	730	749	692	0	8,392	541
West Covina Unified	508	488	523	475	590	569	593	637	668	32	799	809	757	663	0	8,111	675
Westside Union Elementary	193	179	180	188	209	211	250	276	238	0	0	0	0	0	0	1,924	0
Whittier City Elementary	543	585	558	548	529	574	613	622	595	87	0	0	0	0	0	5,254	0
Whittier Union High	0	0	0	0	0	0	0	0	0	0	2,617	2,338	2,200	2,365	0	9,520	1,987
William S. Hart Union High	0	0	0	0	0	0	0	1,552	1,490	0	1,557	1,568	1,452	1,370	0	8,989	1,106
Wilsona Elementary	58	53	56	56	50	61	56	61	56	0	0	0	0	0	0	507	0
Wiseburn Elementary	110	118	112	112	123	152	169	150	135	30	0	0	0	0	0	1,211	0
Total	91,337	92,779	89,593	86,952	87,993	93,451	96,262	97,399	92,816	14,309	95,668	105,342	92,096	79,796	8,433	1,224,226	64,678

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
ABC Unified	1,470	1,497	1,496	1,591	1,499	1,668	1,885	1,902	1,860	143	2,000	1,895	1,720	1,557	0	22,183	1,515
Alhambra City Elementary	1,043	1,062	1,006	1,026	975	1,057	1,065	1,198	1,177	152	0	0	0	0	0	9,761	0
Alhambra City High	0	0	0	0	0	0	0	0	0	0	2,272	2,337	2,282	1,800	356	9,047	1,423
Antelope Valley Union High	0	0	0	0	0	0	0	0	0	0	1,692	1,758	1,723	1,432	0	6,605	1,202
Arcadia Unified	373	383	418	404	455	488	614	713	762	66	753	829	804	762	0	7,824	735
Azusa Unified	814	777	709	702	664	678	667	739	714	77	944	644	487	426	88	9,130	373
Baldwin Park Unified	1,228	1,253	1,135	1,083	976	964	1,009	961	946	66	1,196	924	630	476	36	12,883	435
Bassett Unified	488	391	355	384	376	375	399	405	401	37	392	423	384	390	0	5,200	242
Bellflower Unified	708	657	619	590	539	576	629	745	698	90	714	723	654	592	278	8,812	718
Beverly Hills Unified	164	179	209	229	264	326	378	484	496	70	596	652	666	624	0	5,337	641
Bonita Unified	626	574	584	547	554	659	693	766	759	36	738	715	696	698	0	8,645	557
Burbank Unified	714	785	734	721	766	784	935	1,180	980	6	961	974	957	899	0	11,396	757
Castaic Union Elementary	65	62	53	47	52	36	30	38	30	3	0	0	0	0	0	416	0
Centinela Valley Union High	0	0	0	0	0	0	0	0	0	0	2,115	1,641	1,309	1,066	0	6,131	941
Charter Oak Unified	361	351	358	342	322	397	441	472	557	9	582	537	540	495	10	5,774	512
Claremont Unified	340	328	319	349	353	384	391	487	525	0	530	477	475	512	34	5,504	495
Compton Unified	2,256	2,419	2,359	2,273	2,138	2,077	2,206	2,573	2,698	86	2,302	1,787	1,757	1,517	23	28,471	1,339
Covina-Valley Unified	747	698	726	726	669	814	794	966	943	134	1,087	1,023	868	708	135	11,058	781
Culver City Unified	252	285	253	312	276	358	389	427	442	48	551	576	443	423	0	5,035	381
Downey Unified	895	924	868	827	709	747	1,012	1,031	1,072	86	1,148	1,184	1,091	1,003	85	12,682	888
Duarte Unified	332	350	369	320	319	317	312	329	293	17	371	246	226	185	0	3,986	182
East Whittier City Elementary	692	626	609	584	580	611	696	753	737	152	0	0	0	0	30	6,070	0
Eastside Union Elementary	83	71	54	80	59	58	54	63	77	0	0	0	0	0	0	599	0
El Monte Elementary	1,262	1,135	1,088	1,082	989	954	924	1,020	933	329	0	0	0	0	0	9,716	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
El Monte Union High	0	0	0	0	0	0	0	0	0	0	2,177	1,997	1,680	1,390	0	7,244	1,051
El Rancho Unified	892	821	839	751	710	770	829	845	791	51	774	772	730	746	0	10,321	516
El Segundo Unified	103	105	112	90	108	119	139	155	157	0	196	203	177	208	0	1,872	186
Garvey Elementary	809	814	789	754	722	710	710	708	679	90	0	0	0	0	0	6,785	0
Glendale Unified	1,236	1,231	1,277	1,276	1,263	1,370	1,524	1,761	1,843	210	1,713	1,811	1,875	1,761	0	20,151	1,557
Glendora Unified	366	354	381	342	364	391	453	479	548	20	560	597	591	622	0	6,068	529
Gorman Elementary	4	6	1	9	4	7	9	6	9	0	0	0	0	0	0	55	0
Hacienda La Puente Unified	1,491	1,564	1,487	1,593	1,613	1,690	1,834	1,999	1,883	51	1,976	1,876	1,823	1,871	0	22,751	1,532
Hawthorne Elementary	536	525	520	509	517	520	534	572	564	86	0	0	0	0	16	4,899	0
Hermosa Beach City Elementary	78	84	84	63	84	72	103	120	130	0	0	0	0	0	0	818	0
Hughes-Elizabeth Lakes Union Elementary	27	35	32	21	26	25	27	23	27	0	0	0	0	0	0	243	0
Inglewood Unified	1,217	1,217	1,147	1,117	1,156	1,134	1,155	1,219	1,183	36	946	937	802	684	214	14,164	639
Keppel Union Elementary	124	92	102	106	109	123	103	115	127	1	0	0	0	0	12	1,014	0
La Canada Unified	151	152	164	178	159	208	236	278	297	109	317	334	323	340	19	3,265	389
Lancaster Elementary	694	681	637	653	637	704	760	812	765	49	0	0	0	0	0	6,392	0
Las Virgenes Unified	296	349	396	404	455	528	635	701	754	27	747	835	782	655	0	7,564	650
Lawndale Elementary	472	484	458	411	412	412	438	439	441	69	0	0	0	0	0	4,036	0
Lennox Elementary	586	639	570	567	482	478	492	480	412	59	0	0	0	0	0	4,765	0
Little Lake City Elementary	445	461	440	393	377	440	458	487	511	94	0	0	0	0	0	4,106	0
Long Beach Unified	4,633	4,753	4,649	4,458	4,330	4,390	4,599	4,943	4,503	766	4,415	4,539	4,130	3,682	275	59,065	3,013
Los Angeles County Schools	33	37	41	48	86	59	64	64	62	2,794	99	98	92	48	884	4,509	32
Los Angeles Co. Spec. Ed. Schs	2	2	1	0	3	8	22	52	206	0	569	974	1,131	800	0	3,770	40
Los Angeles Unified	42,893	45,637	43,352	41,926	40,517	39,634	41,066	43,102	41,745	7,475	39,885	48,509	37,768	29,922	4,475	547,906	26,493
Los Nietos Elementary	193	192	193	191	205	193	170	207	204	44	0	0	0	0	0	1,792	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Lowell Joint Elementary	247	200	248	188	229	289	291	363	345	79	0	0	0	0	0	2,479	0
Lynwood Unified	1,153	1,115	1,102	1,046	1,025	985	871	896	840	82	880	887	637	413	0	11,932	291
Manhattan Beach City Elementary	217	249	240	239	246	283	364	431	447	42	0	0	0	0	0	2,758	0
Monrovia Unified	448	468	398	394	383	375	421	433	418	19	449	453	402	346	11	5,418	303
Montebello Unified	2,574	2,478	2,398	2,230	2,089	1,982	2,013	2,153	1,988	419	2,152	1,905	1,583	1,327	719	28,010	1,414
Mountain View Elementary	1,020	1,082	911	769	809	702	715	611	565	22	0	0	0	0	0	7,206	0
Newhall Elementary	357	324	372	350	408	417	464	9	0	32	0	0	0	0	0	2,733	0
Norwalk-La Mirada Unified	1,461	1,419	1,284	1,310	1,306	1,321	1,532	1,485	1,605	262	1,427	1,264	1,521	1,203	166	18,566	997
Palmdale Elementary	526	444	416	419	389	389	423	418	409	28	0	0	0	0	0	3,861	0
Palos Verdes Peninsula Unified	468	504	504	569	608	735	884	1,086	1,167	71	1,269	1,251	1,372	1,292	0	11,780	1,451
Paramount Unified	1,039	987	931	856	820	866	812	797	747	57	914	700	524	399	0	10,449	383
Pasadena Unified	1,696	1,821	1,691	1,602	1,427	1,596	1,707	1,915	1,746	108	2,009	1,892	1,767	1,500	31	22,508	1,260
Pomona Unified	1,950	2,017	1,852	1,682	1,614	1,586	1,559	1,653	1,652	199	1,440	1,472	1,027	837	0	20,540	716
Redondo Beach City Elementary	454	457	472	463	439	471	504	579	588	0	0	0	0	0	0	4,427	0
Rosemead Elementary	307	278	272	237	239	262	268	286	287	29	0	0	0	0	0	2,465	0
Rowland Unified	1,284	1,182	1,278	1,327	1,258	1,382	1,424	1,590	1,407	118	1,582	1,354	1,124	1,007	0	17,317	816
San Gabriel Elementary	328	322	322	301	311	294	345	417	376	48	0	0	0	0	0	3,064	0
San Marino Unified	108	161	137	163	210	203	233	280	274	0	253	297	301	321	0	2,941	309
Santa Monica-Malibu Unified	597	634	636	641	636	689	829	1,021	983	115	989	1,030	1,013	821	256	10,890	886
Saugus Union Elementary	570	534	502	501	499	468	600	0	0	27	0	0	0	0	0	3,701	0
Soledad-Agua Dulce Union Elementary	70	79	71	64	70	85	81	100	108	10	0	0	0	0	0	738	0
South Bay Union High	0	0	0	0	0	0	0	0	0	0	1,166	1,157	1,254	1,151	0	4,728	780
South Pasadena Unified	164	172	176	180	198	232	246	289	303	0	333	359	357	364	0	3,373	335
South Whittier Elementary	394	375	359	390	333	353	352	350	345	34	0	0	0	0	0	3,285	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Sulphur Springs Union Elementary	318	289	232	281	307	278	352	0	0	9	0	0	0	0	0	2,066	0
Temple City Unified	231	261	237	258	231	272	315	399	386	36	374	412	417	422	0	4,251	376
Torrance Unified	1,053	1,131	1,130	1,203	1,188	1,394	1,553	1,764	1,880	54	1,935	2,044	2,053	2,091	0	20,473	1,869
Valle Lindo Elementary	104	70	72	75	81	82	83	91	94	17	0	0	0	0	0	769	0
Walnut Valley Unified	481	497	492	569	523	590	680	766	729	31	764	796	688	634	0	8,240	599
West Covina Unified	515	540	508	563	535	580	594	659	675	62	772	828	740	671	0	8,242	630
Westside Union Elementary	179	195	183	169	203	214	216	270	255	1	0	0	0	0	0	1,885	0
Whittier City Elementary	593	571	575	559	532	529	588	651	644	89	0	0	0	0	0	5,331	0
Whittier Union High	0	0	0	0	0	0	0	0	0	0	3,391	2,290	1,961	1,495	0	9,137	1,771
William S. Hart Union High	0	0	0	0	0	0	0	1,546	1,598	0	1,541	1,533	1,484	1,333	80	9,115	1,246
Wilsona Elementary	81	58	59	60	52	51	61	54	56	0	0	0	0	0	0	532	0
Wiseburn Elementary	136	106	111	115	103	116	142	184	154	13	0	0	0	0	0	1,180	0
Total	93,317	96,062	92,164	89,852	87,194	88,384	93,405	100,365	98,012	15,751	98,958	104,751	89,841	75,921	8,233	1,232,210	67,176

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
ABC Unified	1,490	1,442	1,494	1,498	1,609	1,529	1,692	1,952	1,895	138	2,080	1,910	1,771	1,610	0	22,110	1,430
Alhambra City Elementary	999	1,074	1,116	1,067	1,054	1,036	1,112	1,164	1,291	134	0	0	0	0	0	10,047	0
Alhambra City High	0	0	0	0	0	0	0	0	0	0	2,439	2,355	2,227	1,878	358	9,257	1,631
Antelope Valley Union High	0	0	0	0	0	0	0	0	0	0	1,901	1,827	1,720	1,562	0	7,010	1,090
Arcadia Unified	364	431	399	434	416	495	522	663	733	75	778	772	798	788	0	7,668	707
Azusa Unified	818	777	767	707	668	660	665	697	736	87	956	706	530	405	33	9,212	421
Baldwin Park Unified	1,191	1,261	1,156	1,113	1,142	961	979	1,014	918	116	1,188	924	714	553	30	13,260	439
Bassett Unified	441	416	373	365	397	381	346	396	401	44	354	356	381	348	0	4,999	256
Bellflower Unified	680	677	619	604	589	527	605	725	737	45	719	832	687	574	102	8,722	541
Beverly Hills Unified	133	198	197	225	237	298	347	410	520	51	620	662	646	614	0	5,158	624
Bonita Unified	596	644	583	610	550	582	661	738	771	17	763	739	710	664	0	8,628	549
Burbank Unified	723	743	769	728	716	785	786	994	1,038	107	1,007	1,074	964	944	110	11,488	741
Castaic Union Elementary	35	65	59	55	46	56	41	36	44	0	0	0	0	0	0	437	0
Centinela Valley Union High	0	0	0	0	0	0	0	0	0	0	1,932	1,394	1,146	968	496	5,936	997
Charter Oak Unified	320	343	345	373	327	331	410	471	509	649	536	525	509	516	75	6,239	461
Claremont Unified	347	331	343	316	360	385	369	422	505	43	559	547	491	463	0	5,481	448
Compton Unified	2,203	2,412	2,417	2,287	2,192	2,107	2,012	2,428	2,367	154	2,309	1,587	1,378	1,346	10	27,209	1,277
Covina-Valley Unified	735	765	693	736	736	690	834	839	966	113	1,117	955	881	692	120	10,872	737
Culver City Unified	209	258	274	248	288	260	368	447	441	44	511	521	479	398	40	4,786	392
Downey Unified	918	911	888	864	847	825	894	1,049	1,071	129	1,310	1,145	1,083	902	86	12,922	890
Duarte Unified	339	336	352	349	313	317	312	307	320	24	330	349	228	173	31	4,080	179
East Whittier City Elementary	722	660	636	628	616	606	611	704	781	130	0	0	0	0	26	6,120	0
Eastside Union Elementary	74	91	61	69	86	67	64	49	72	0	0	0	0	0	0	633	0
El Monte Elementary	1,205	1,217	1,109	1,093	1,042	979	986	962	1,045	320	0	0	0	0	0	9,958	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
El Monte Union High	0	0	0	0	0	0	0	0	0	0	2,058	2,140	1,814	1,423	0	7,435	1,080
El Rancho Unified	837	790	814	798	746	707	767	822	822	38	753	767	759	738	0	10,158	420
El Segundo Unified	108	93	108	116	94	111	127	153	199	0	182	187	199	184	0	1,861	186
Garvey Elementary	853	819	800	795	771	743	744	703	749	53	0	0	0	0	0	7,030	0
Glendale Unified	1,229	1,294	1,213	1,211	1,237	1,205	1,345	1,685	1,750	105	1,846	1,896	1,837	1,867	24	19,744	1,509
Glendora Unified	392	386	339	395	367	385	399	471	487	0	617	570	584	540	0	5,932	503
Gorman Elementary	3	5	8	1	11	3	5	8	5	0	0	0	0	0	0	49	0
Hacienda La Puente Unified	1,487	1,458	1,497	1,458	1,595	1,601	1,669	1,799	1,984	93	1,883	1,869	1,852	1,714	76	22,035	1,474
Hawthorne Elementary	489	537	526	510	502	508	508	540	569	89	0	0	0	0	0	4,778	0
Hermosa Beach City Elementary	65	74	80	81	67	85	80	100	111	0	0	0	0	0	0	743	0
Hughes-Elizabeth Lakes Union Elementary	24	26	34	30	22	24	22	27	25	0	0	0	0	0	0	234	0
Inglewood Unified	1,223	1,363	1,205	1,193	1,176	1,137	1,094	1,166	1,137	55	1,068	910	925	854	0	14,506	559
Keppel Union Elementary	134	126	96	109	106	102	124	107	111	26	0	0	0	0	0	1,041	0
La Canada Unified	143	162	159	180	180	178	226	245	287	44	328	335	326	334	44	3,171	344
Lancaster Elementary	743	721	723	659	683	644	738	803	843	56	0	0	0	0	0	6,613	0
Las Virgenes Unified	275	404	408	424	439	496	578	696	743	26	804	798	809	739	0	7,639	635
Lawndale Elementary	441	481	465	430	420	388	415	441	438	55	0	0	0	0	0	3,974	0
Lennox Elementary	600	609	608	541	585	485	485	499	458	37	0	0	0	0	0	4,907	0
Little Lake City Elementary	413	417	417	434	403	390	428	471	480	130	0	0	0	0	0	3,983	0
Long Beach Unified	4,843	4,825	4,743	4,703	4,450	4,370	4,447	4,736	4,936	900	4,676	4,509	4,165	3,728	237	60,268	3,081
Los Angeles County Schools	1	5	1	5	4	7	18	64	172	0	597	919	1,091	912	2	3,798	107
Los Angeles Co. Spec. Ed. Schs	11	12	23	15	27	47	42	77	109	2,660	99	103	86	85	1,215	4,611	93
Los Angeles Unified	43,001	47,359	45,265	43,758	42,427	41,337	40,167	43,011	43,041	2,356	43,283	50,907	38,226	30,699	277	555,114	26,737
Los Nietos Elementary	202	190	194	185	178	199	187	176	210	90	0	0	0	0	0	1,811	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Lowell Joint Elementary	254	238	212	241	194	239	277	306	361	20	0	0	0	0	64	2,406	7
Lynwood Unified	1,164	1,202	1,127	1,137	1,066	1,011	901	1,007	820	69	788	1,101	640	464	307	12,804	357
Manhattan Beach City Elementary	254	231	231	242	228	243	273	358	415	39	0	0	0	0	0	2,514	0
Monrovia Unified	455	437	443	392	360	392	377	430	422	28	423	433	384	338	14	5,328	303
Montebello Unified	2,484	2,602	2,466	2,419	2,181	2,121	2,054	2,065	2,120	353	2,282	2,127	1,960	1,569	210	29,013	1,408
Mountain View Elementary	975	1,086	1,030	872	774	808	675	670	586	25	0	0	0	0	0	7,501	0
Newhall Elementary	344	385	322	393	365	410	416	0	0	27	0	0	0	0	0	2,662	0
Norwalk-La Mirada Unified	1,332	1,398	1,368	1,254	1,330	1,292	1,326	1,518	1,602	232	1,490	1,429	1,360	1,255	57	18,243	1,013
Palmdale Elementary	564	501	444	437	464	430	405	473	464	115	0	0	0	0	0	4,297	0
Palos Verdes Peninsula Unified	463	485	495	527	616	619	805	931	1,110	67	1,272	1,265	1,262	1,264	27	11,208	1,282
Paramount Unified	1,048	1,019	936	918	872	844	835	789	797	41	903	765	544	426	0	10,737	370
Pasadena Unified	1,617	1,823	1,673	1,655	1,577	1,497	1,590	1,816	1,867	160	2,069	2,004	1,622	1,440	0	22,410	1,285
Pomona Unified	1,967	2,001	1,872	1,841	1,712	1,609	1,568	1,721	1,545	178	1,454	1,346	1,245	811	18	20,888	730
Redondo Beach City Elementary	481	432	430	456	441	391	433	487	555	23	0	0	0	0	0	4,129	0
Rosemead Elementary	310	280	251	287	258	256	278	275	300	0	0	0	0	0	0	2,495	0
Rowland Unified	1,298	1,294	1,170	1,317	1,350	1,301	1,407	1,515	1,498	101	1,645	1,303	1,110	932	275	17,516	980
San Gabriel Elementary	325	331	315	318	307	312	295	357	411	37	0	0	0	0	0	3,008	0
San Marino Unified	134	118	166	156	177	213	205	246	295	0	287	271	291	313	0	2,872	306
Santa Monica-Malibu Unified	604	610	648	619	657	647	693	829	1,005	62	975	1,104	1,038	964	11	10,466	813
Saugus Union Elementary	592	587	501	516	512	498	487	0	0	30	0	0	0	0	0	3,723	0
Soledad-Agua Dulce Union Elementary	93	71	81	65	71	80	88	92	102	11	0	0	0	0	0	754	0
South Bay Union High	0	0	0	0	0	0	0	0	0	0	1,207	1,156	1,216	1,077	0	4,656	968
South Pasadena Unified	177	185	177	182	191	197	229	281	297	27	343	348	330	347	0	3,311	335
South Whittier Elementary	399	394	368	349	376	341	335	339	334	28	0	0	0	0	0	3,263	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Sulphur Springs Union Elementary	293	326	300	233	298	328	301	0	0	29	0	0	0	0	0	2,108	0
Temple City Unified	270	244	260	251	273	238	278	360	420	37	429	377	421	402	0	4,260	364
Torrance Unified	1,101	1,120	1,166	1,155	1,200	1,219	1,445	1,590	1,862	43	2,017	1,995	1,993	1,879	93	19,878	1,815
Valle Lindo Elementary	114	92	82	71	75	81	79	106	92	16	0	0	0	0	0	808	0
Walnut Valley Unified	545	526	505	540	615	556	620	729	800	26	830	813	785	689	0	8,579	596
West Covina Unified	492	549	535	505	580	551	594	632	670	40	749	780	729	594	0	8,000	653
Westside Union Elementary	184	180	188	202	179	214	242	241	247	0	0	0	0	0	0	1,877	0
Whittier City Elementary	628	606	587	585	567	553	521	644	633	98	0	0	0	0	0	5,422	0
Whittier Union High	0	0	0	0	0	0	0	0	0	0	2,776	2,556	2,135	1,833	0	9,300	1,636
William S. Hart Union High	0	0	0	0	0	0	0	1,529	1,541	0	1,671	1,570	1,441	1,363	0	9,115	1,260
Wilsona Elementary	74	75	55	61	68	52	54	59	61	0	0	0	0	0	0	559	0
Wiseburn Elementary	129	128	107	115	115	107	116	157	176	23	0	0	0	0	0	1,173	0
Total	93,223	98,764	94,887	92,711	90,770	88,679	89,433	97,819	100,235	11,218	103,213	107,833	90,522	77,175	4,468	1,240,950	67,019

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
ABC Unified	1,381	1,565	1,469	1,521	1,504	1,579	1,547	1,748	1,970	97	2,179	2,019	1,911	1,570	10	22,070	1,461
Alhambra City Elementary	1,030	1,023	1,110	1,163	1,114	1,091	1,094	1,201	1,179	131	0	0	0	0	0	10,136	0
Alhambra City High	0	0	0	0	0	0	0	0	0	0	2,669	2,545	2,280	1,906	351	9,751	1,753
Antelope Valley Union High	0	0	0	0	0	0	0	0	0	0	2,022	1,960	1,769	1,604	7	7,362	1,354
Arcadia Unified	349	413	417	446	458	455	537	556	695	42	790	807	759	792	0	7,516	748
Azusa Unified	847	786	749	717	704	676	620	676	666	39	971	712	567	401	118	9,249	394
Baldwin Park Unified	1,233	1,204	1,217	1,143	1,068	1,129	957	1,009	976	198	1,293	767	759	484	67	13,504	480
Bassett Unified	450	351	394	377	353	374	378	398	386	33	322	364	355	365	68	4,968	226
Bellflower Unified	784	688	657	625	589	577	538	628	725	83	874	851	746	584	25	8,974	573
Beverly Hills Unified	171	174	208	222	247	266	322	401	434	43	603	685	654	603	0	5,033	622
Bonita Unified	650	678	645	634	617	574	614	709	756	0	781	777	758	642	0	8,835	530
Burbank Unified	767	739	719	768	758	711	809	861	1,000	96	1,039	1,051	1,047	836	184	11,385	690
Castaic Union Elementary	64	47	60	55	49	44	59	41	39	0	0	0	0	0	0	458	0
Centinela Valley Union High	0	0	0	0	0	0	0	0	0	0	1,923	1,446	1,184	947	377	5,877	744
Charter Oak Unified	349	369	340	371	371	340	343	422	479	0	508	549	539	477	0	5,457	466
Claremont Unified	341	353	343	365	336	374	421	401	421	0	526	576	577	438	0	5,472	410
Compton Unified	2,299	2,399	2,435	2,337	2,198	2,136	2,038	2,154	2,338	126	1,937	1,820	1,391	1,233	15	26,856	1,459
Covina-Valley Unified	772	752	748	720	718	714	685	848	856	107	1,144	1,008	815	721	88	10,696	738
Culver City Unified	247	242	258	286	273	301	274	406	430	4	500	537	498	425	0	4,681	387
Downey Unified	900	942	898	902	904	854	895	945	1,111	107	1,481	1,167	973	872	45	12,996	829
Duarte Unified	340	365	351	368	354	325	336	307	295	44	477	301	221	150	0	4,234	148
East Whittier City Elementary	716	685	687	653	611	622	623	645	735	165	0	0	0	0	30	6,172	0
Eastside Union Elementary	85	78	100	70	73	94	63	64	46	0	0	0	0	0	0	673	0
El Monte Elementary	1,256	1,148	1,194	1,073	1,091	1,052	979	949	939	287	0	0	0	0	0	9,968	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
El Monte Union High	0	0	0	0	0	0	0	0	0	0	2,204	2,033	2,324	1,043	0	7,604	1,108
El Rancho Unified	846	797	768	785	804	709	737	776	801	66	779	876	886	539	0	10,169	438
El Segundo Unified	117	104	100	125	112	114	117	135	159	0	227	203	203	186	0	1,902	182
Garvey Elementary	853	821	790	800	796	792	721	740	752	74	0	0	0	0	0	7,139	0
Glendale Unified	1,268	1,328	1,323	1,260	1,333	1,350	1,344	1,517	1,588	150	1,847	1,995	2,120	1,566	50	20,039	1,549
Glendora Unified	395	396	386	353	414	378	391	427	465	18	503	596	551	553	15	5,841	446
Gorman Elementary	10	3	4	6	2	12	3	6	8	0	0	0	0	0	0	54	0
Hacienda La Puente Unified	1,527	1,539	1,484	1,540	1,522	1,655	1,657	1,699	1,808	10	1,985	1,900	1,853	1,551	142	21,872	1,307
Hawthorne Elementary	567	541	520	544	532	537	505	543	556	94	0	0	0	0	0	4,939	0
Hermosa Beach City Elementary	66	72	71	82	76	67	90	73	92	0	0	0	0	0	0	689	0
Hughes-Elizabeth Lakes Union Elementary	30	36	30	29	28	21	28	31	32	0	0	0	0	0	0	265	0
Inglewood Unified	1,338	1,369	1,304	1,240	1,152	1,206	1,176	1,164	1,154	10	1,124	1,129	873	663	0	14,902	632
Keppel Union Elementary	177	154	171	135	139	129	133	130	129	3	0	0	0	0	7	1,307	0
La Canada Unified	148	157	164	164	180	192	179	223	249	48	297	329	339	331	51	3,051	327
Lancaster Elementary	787	733	759	721	711	703	679	711	809	12	0	0	0	0	0	6,625	0
Las Virgenes Unified	346	393	424	443	461	491	535	636	729	47	826	783	782	731	0	7,627	674
Lawndale Elementary	525	455	438	460	417	410	387	403	446	36	0	0	0	0	0	3,977	0
Lennox Elementary	628	597	535	602	542	572	474	486	489	22	0	0	0	0	0	4,947	0
Little Lake City Elementary	439	433	404	436	408	404	412	427	485	75	0	0	0	0	0	3,923	0
Long Beach Unified	5,040	5,016	4,856	4,749	4,743	4,550	4,474	4,580	4,750	964	5,033	4,900	4,279	3,705	149	61,788	3,033
Los Angeles County Schools	8	8	5	8	3	8	26	54	179	0	537	944	966	785	376	3,907	144
Los Angeles Co. Spec. Ed. Schs	16	35	15	12	43	30	39	63	181	2,824	66	73	49	58	1,402	4,906	95
Los Angeles Unified	44,646	47,620	46,582	45,805	44,192	42,811	41,267	41,248	42,311	1,721	44,344	54,213	36,740	29,124	169	562,793	25,170
Los Nietos Elementary	223	202	191	181	196	180	198	202	143	70	0	0	0	0	0	1,786	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Lowell Joint Elementary	244	222	241	232	252	206	246	295	317	16	0	0	0	0	53	2,324	0
Lynwood Unified	1,171	1,159	1,141	1,177	1,124	1,005	938	1,025	893	83	943	900	688	520	0	12,767	405
Manhattan Beach City Elementary	256	265	228	232	241	245	251	273	358	19	0	0	0	0	0	2,368	0
Monrovia Unified	454	421	430	415	386	352	374	366	414	0	473	438	437	316	11	5,287	293
Montebello Unified	2,597	2,562	2,573	2,459	2,323	2,237	2,141	2,043	2,082	329	2,448	2,148	1,994	1,499	201	29,636	1,494
Mountain View Elementary	1,029	1,048	975	985	869	779	730	655	648	14	0	0	0	0	39	7,771	0
Newhall Elementary	419	382	391	365	415	371	438	0	0	36	0	0	0	0	0	2,817	0
Norwalk-La Mirada Unified	1,450	1,291	1,364	1,375	1,285	1,314	1,243	1,330	1,472	158	1,523	1,449	1,618	996	167	18,035	1,007
Palmdale Elementary	703	625	589	535	510	506	489	455	523	0	0	0	0	0	0	4,935	0
Palos Verdes Peninsula Unified	500	479	553	547	595	638	660	828	945	15	1,182	1,302	1,267	1,236	0	10,747	1,242
Paramount Unified	1,079	1,136	868	934	907	864	833	843	786	0	959	744	613	418	0	10,984	391
Pasadena Unified	1,695	1,765	1,690	1,678	1,628	1,529	1,512	1,622	1,790	345	2,051	2,024	1,640	1,240	129	22,338	1,238
Pomona Unified	2,087	2,121	2,051	1,835	1,851	1,726	1,646	1,639	1,619	167	1,617	1,410	1,024	860	0	21,653	715
Redondo Beach City Elementary	427	482	401	402	423	435	393	446	496	28	0	0	0	0	0	3,933	0
Rosemead Elementary	303	287	289	280	282	248	258	303	279	24	0	0	0	0	0	2,553	0
Rowland Unified	1,268	1,319	1,331	1,233	1,372	1,422	1,303	1,508	1,518	22	1,785	1,461	1,237	1,015	0	17,794	950
San Gabriel Elementary	369	325	339	319	318	311	313	326	399	31	0	0	0	0	0	3,050	0
San Marino Unified	113	152	125	180	162	178	206	228	253	0	294	295	268	288	0	2,742	286
Santa Monica-Malibu Unified	603	630	600	624	606	645	649	713	816	96	994	1,009	945	942	197	10,069	891
Saugus Union Elementary	576	580	544	490	519	501	484	0	0	31	0	0	0	0	0	3,725	0
Soledad-Agua Dulce Union Elementary	101	101	78	92	78	86	87	102	102	0	0	0	0	0	0	827	0
South Bay Union High	0	0	0	0	0	0	0	0	0	0	1,147	1,230	1,210	1,040	0	4,627	898
South Pasadena Unified	179	206	185	185	203	208	224	281	304	18	360	344	346	361	37	3,441	300
South Whittier Elementary	408	385	372	374	358	358	333	312	358	25	0	0	0	0	0	3,283	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Sulphur Springs Union Elementary	299	330	330	325	257	301	316	0	0	30	0	0	0	0	0	2,188	0
Temple City Unified	250	261	244	271	259	274	250	302	358	43	433	420	385	395	0	4,145	385
Torrance Unified	1,196	1,198	1,155	1,177	1,166	1,238	1,295	1,484	1,636	0	2,010	2,112	2,023	1,882	0	19,572	1,722
Valle Lindo Elementary	122	91	80	91	77	87	81	93	105	7	0	0	0	0	10	844	0
Walnut Valley Unified	541	577	554	560	562	651	601	682	764	20	868	816	809	760	0	8,765	610
West Covina Unified	522	546	566	536	530	582	547	660	642	32	776	774	716	618	0	8,047	539
Westside Union Elementary	196	207	206	207	223	199	233	265	225	0	0	0	0	0	0	1,961	0
Whittier City Elementary	648	637	626	581	585	566	534	555	639	108	0	0	0	0	0	5,479	0
Whittier Union High	0	0	0	0	0	0	0	0	0	0	3,301	2,454	2,231	1,781	0	9,767	1,598
William S. Hart Union High	0	0	0	0	0	0	0	1,275	1,569	0	1,674	1,678	1,698	1,114	29	9,037	1,238
Wilsona Elementary	91	107	79	80	71	74	56	52	73	0	0	0	0	0	0	683	0
Wiseburn Elementary	138	122	126	111	120	110	106	123	155	34	0	0	0	0	0	1,145	0
Total	97,065	99,829	97,647	96,183	93,753	91,855	89,474	92,727	97,329	9,577	106,649	112,924	90,917	73,166	4,619	1,253,714	65,319

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
ABC Unified	1,546	1,472	1,549	1,531	1,596	1,593	1,632	1,618	1,777	0	2,141	2,041	1,848	1,618	0	21,962	1,419
Alhambra City Elementary	962	1,062	1,049	1,151	1,208	1,101	1,104	1,177	1,215	128	0	0	0	0	0	10,157	0
Alhambra City High	0	0	0	0	0	0	0	0	0	0	2,471	2,651	2,509	1,569	668	9,868	1,672
Antelope Valley Union High	0	0	0	0	0	0	0	0	0	0	2,067	2,100	2,101	1,497	0	7,765	1,178
Arcadia Unified	374	416	441	462	447	502	477	568	595	66	706	815	768	752	0	7,389	729
Azusa Unified	884	842	791	722	724	722	677	627	655	111	970	760	598	469	69	9,621	410
Baldwin Park Unified	1,245	1,249	1,142	1,147	1,111	1,093	1,106	1,006	983	215	1,325	1,026	775	485	61	13,969	434
Bassett Unified	459	394	340	407	363	346	390	361	404	24	496	454	282	258	0	4,978	265
Bellflower Unified	807	794	685	684	652	617	602	609	643	25	900	871	736	559	17	9,201	533
Beverly Hills Unified	220	194	196	216	242	261	303	363	417	62	516	688	670	608	0	4,956	600
Bonita Unified	670	721	643	673	637	634	609	635	730	12	765	811	874	638	0	9,052	553
Burbank Unified	777	779	750	749	798	774	711	898	894	84	1,061	1,186	1,188	810	21	11,480	660
Castaic Union Elementary	96	86	55	73	58	60	56	66	48	15	0	0	0	0	0	613	0
Centinela Valley Union High	0	0	0	0	0	0	0	0	0	0	2,230	1,607	1,163	894	62	5,956	963
Charter Oak Unified	374	363	377	375	382	384	323	372	438	0	481	494	534	520	0	5,417	251
Claremont Unified	417	359	347	345	345	365	382	424	406	189	458	533	632	445	32	5,679	387
Compton Unified	2,291	2,489	2,491	2,473	2,316	2,259	2,134	2,175	2,054	161	1,988	1,579	1,830	830	32	27,102	1,001
Covina-Valley Unified	743	809	774	797	746	751	745	747	842	70	1,036	1,039	902	681	87	10,769	628
Culver City Unified	273	278	261	265	297	278	329	339	418	0	519	556	484	433	0	4,730	403
Downey Unified	959	955	947	890	968	940	944	943	992	113	1,513	1,227	1,030	890	0	13,311	835
Duarte Unified	428	362	383	357	366	339	325	311	310	46	370	392	254	173	0	4,416	130
East Whittier City Elementary	788	711	683	681	660	632	637	638	648	93	0	0	0	0	28	6,199	0
Eastside Union Elementary	110	98	92	89	81	64	90	70	64	17	0	0	0	0	0	775	0
El Monte Elementary	1,388	1,213	1,132	1,172	1,061	1,152	1,074	1,028	969	169	0	0	0	0	0	10,358	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
El Monte Union High	0	0	0	0	0	0	0	0	0	0	3,011	2,083	1,683	1,098	0	7,875	1,068
El Rancho Unified	882	806	823	787	782	792	713	737	746	144	863	859	876	455	70	10,335	438
El Segundo Unified	133	114	118	98	134	134	111	130	132	0	176	220	202	204	0	1,906	180
Garvey Elementary	850	825	810	801	841	802	798	762	738	30	0	0	0	0	0	7,257	0
Glendale Unified	1,351	1,360	1,308	1,324	1,365	1,368	1,417	1,450	1,577	63	1,757	2,065	2,151	1,551	50	20,157	1,449
Glendora Unified	391	416	373	396	379	400	392	414	437	13	508	510	697	399	0	5,725	498
Gorman Elementary	1	9	3	4	6	1	9	8	7	0	0	0	0	0	0	48	0
Hacienda La Puente Unified	1,535	1,523	1,533	1,525	1,593	1,594	1,698	1,721	1,707	18	1,847	2,052	1,862	1,492	342	22,042	1,391
Hawthorne Elementary	579	597	546	565	542	523	546	514	535	49	0	0	0	0	0	4,996	0
Hermosa Beach City Elementary	72	66	65	71	68	67	61	97	73	0	0	0	0	0	0	640	0
Hughes-Elizabeth Lakes Union Elementary	36	45	34	37	31	33	24	30	31	0	0	0	0	0	0	301	0
Inglewood Unified	1,349	1,519	1,264	1,375	1,183	1,204	1,154	1,160	1,130	33	1,512	1,082	887	508	0	15,360	540
Keppel Union Elementary	226	193	186	204	167	201	180	141	155	7	0	0	0	0	4	1,664	0
La Canada Unified	179	149	157	172	160	188	199	185	233	63	264	309	331	345	76	3,010	336
Lancaster Elementary	861	818	752	760	756	734	703	710	737	88	0	0	0	0	0	6,919	0
Las Virgenes Unified	387	488	443	483	487	506	578	595	686	73	782	827	813	718	0	7,866	680
Lawndale Elementary	536	523	444	418	452	428	415	426	386	11	0	0	0	0	0	4,039	0
Lennox Elementary	609	617	548	505	569	476	542	481	474	0	0	0	0	0	0	4,821	0
Little Lake City Elementary	435	450	415	418	415	416	393	412	434	85	0	0	0	0	0	3,873	0
Long Beach Unified	5,665	5,348	5,020	4,931	4,808	4,814	4,639	4,642	4,507	1,044	4,633	5,150	4,512	3,409	709	63,831	3,217
Los Angeles County Schools	8	10	11	13	9	16	18	72	165	6	703	1,226	1,399	850	0	4,506	101
Los Angeles Co. Spec. Ed. Schs	52	0	1	2	5	5	5	19	26	2,897	82	85	63	61	1,539	4,842	62
Los Angeles Unified	46,984	49,760	47,355	47,273	45,854	44,610	42,901	42,531	41,271	1,818	45,147	56,431	37,773	28,205	12	577,925	24,083
Los Nietos Elementary	236	244	197	201	194	205	189	202	192	62	0	0	0	0	0	1,922	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Lowell Joint Elementary	264	240	241	257	231	266	215	265	294	0	0	0	0	0	0	2,273	0
Lynwood Unified	1,290	1,242	1,149	1,100	1,167	1,106	1,044	1,039	879	29	813	990	850	466	0	13,164	363
Manhattan Beach City Elementary	281	248	242	228	231	232	233	242	267	40	0	0	0	0	0	2,244	0
Monrovia Unified	449	452	422	427	418	394	357	365	362	25	426	445	510	314	2	5,368	202
Montebello Unified	2,597	2,722	2,423	2,519	2,354	2,306	2,211	2,163	2,102	307	2,625	2,401	1,898	1,504	214	30,346	1,469
Mountain View Elementary	1,030	1,074	954	933	961	846	780	699	651	0	0	0	0	0	0	7,928	0
Newhall Elementary	434	449	407	423	389	421	388	0	0	38	0	0	0	0	0	2,949	0
Norwalk-La Mirada Unified	1,520	1,436	1,302	1,440	1,380	1,333	1,360	1,292	1,350	192	1,661	1,698	1,485	980	68	18,497	925
Palmdale Elementary	825	741	639	656	575	584	539	526	509	0	0	0	0	0	0	5,594	0
Palos Verdes Peninsula Unified	501	511	531	559	582	626	694	707	848	28	1,060	1,237	1,285	1,247	0	10,416	1,172
Paramount Unified	1,089	1,180	947	865	930	866	841	812	856	0	1,164	658	509	411	0	11,128	387
Pasadena Unified	1,736	1,881	1,717	1,676	1,677	1,679	1,547	1,605	1,546	164	2,043	2,023	1,747	1,318	109	22,468	1,135
Pomona Unified	2,304	2,240	1,988	1,994	1,906	1,814	1,801	1,689	1,576	199	1,879	1,316	1,067	775	0	22,548	756
Redondo Beach City Elementary	405	441	453	400	389	426	425	396	462	0	0	0	0	0	0	3,797	0
Rosemead Elementary	314	250	279	280	279	292	258	253	296	0	0	0	0	0	0	2,501	0
Rowland Unified	1,358	1,281	1,366	1,311	1,305	1,380	1,435	1,411	1,470	0	1,844	1,522	1,283	1,057	66	18,089	963
San Gabriel Elementary	387	332	320	339	323	319	299	350	317	37	0	0	0	0	0	3,023	0
San Marino Unified	132	126	163	144	191	180	190	238	225	0	279	298	304	266	0	2,736	288
Santa Monica-Malibu Unified	666	643	600	575	600	585	642	677	702	95	885	1,059	1,000	828	51	9,608	790
Saugus Union Elementary	673	612	595	599	534	546	518	0	0	61	0	0	0	0	0	4,138	0
Soledad-Agua Dulce Union Elementary	113	100	103	94	91	83	90	97	114	0	0	0	0	0	0	885	0
South Bay Union High	0	0	0	0	0	0	0	0	0	0	1,389	1,103	1,089	914	0	4,495	865
South Pasadena Unified	190	216	203	204	208	194	227	246	303	20	359	357	352	346	53	3,478	283
South Whittier Elementary	453	390	384	361	370	343	368	323	325	23	0	0	0	0	0	3,340	0

Table DS 2-15 (Cont.)

Enrollment by School District, by Grade, Los Angeles County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Sulphur Springs Union Elementary	390	310	350	351	339	282	322	0	0	57	0	0	0	0	0	2,401	0
Temple City Unified	303	247	254	268	294	272	292	288	327	36	410	458	440	345	0	4,234	346
Torrance Unified	1,299	1,240	1,256	1,183	1,206	1,185	1,257	1,325	1,509	0	1,835	2,112	2,408	1,552	211	19,578	1,685
Valle Lindo Elementary	114	100	90	79	91	95	89	103	105	17	0	0	0	0	0	883	0
Walnut Valley Unified	623	613	619	586	641	611	688	691	697	0	841	930	915	732	0	9,187	644
West Covina Unified	538	584	569	567	566	527	594	613	648	56	649	790	706	659	15	8,081	549
Westside Union Elementary	252	234	245	224	243	227	216	264	278	0	0	0	0	0	0	2,183	0
Whittier City Elementary	686	691	647	635	592	611	574	595	549	97	0	0	0	0	0	5,677	0
Whittier Union High	0	0	0	0	0	0	0	0	0	0	2,555	2,647	2,618	2,047	5	9,872	1,508
William S. Hart Union High	0	0	0	0	0	0	0	1,305	1,416	0	1,667	1,772	1,741	1,328	3	9,232	1,197
Wilsona Elementary	111	115	129	95	95	101	99	74	72	0	0	0	0	0	0	891	0
Wiseburn Elementary	129	127	135	121	109	117	117	119	122	26	0	0	0	0	0	1,122	0
Total	102,624	104,594	99,256	99,115	97,125	95,233	93,045	93,186	93,058	9,651	107,682	117,545	94,634	70,513	4,676	1,281,937	62,621

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: computer printout, 1980 to 1985).

Table DS 2-16

Military Airport Facilities, Los Angeles County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways/ Helipads	Largest (in feet)
Palmdale	Palmdale Prodn Flt/ Test Instln AF Plant	Military - USAF		2 - R	12,002

Source: U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

Table DS 2-17

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures											
	General Government		Public Protection		Public Ways and Facilities		Health and Sanitation		Public Assistance		Education	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Agoura Hills (b)	NA	$703	NA	$1,129	NA	$313	NA	$0	NA	NA	NA	NA
Alhambra	3,215	1,701	8,108	11,323	4,079	4,288	1,381	2,673	NA	NA	714	NA
Arcadia	1,862	1,842	6,912	8,946	3,243	2,983	334	99	NA	NA	806	NA
Artesia	791	416	561	699	972	229	0	315	NA	NA	0	NA
Avalon	670	370	584	766	700	1,348	12	629	NA	NA	0	NA
Azusa	3,986	2,150	3,161	4,909	1,897	2,351	64	424	NA	NA	251	NA
Baldwin Park	1,557	1,776	3,805	5,206	3,906	1,337	36	0	NA	NA	0	NA
Bell	2,889	990	1,809	4,389	575	1,091	0	302	NA	NA	0	NA
Bellflower	2,994	795	2,684	3,154	2,300	2,976	0	0	NA	NA	0	NA
Bell Gardens	2,181	939	2,119	2,512	1,530	921	21	70	NA	NA	0	NA
Beverly Hills	8,271	24,103	12,221	23,307	6,251	16,079	8	3,333	NA	NA	1,285	NA
Bradbury	124	105	48	36	28	22	1	1	NA	NA	0	NA
Burbank	12,799	9,057	16,565	20,858	5,518	7,596	11	5,293	NA	NA	1,141	NA
Carson	8,424	4,153	4,948	6,839	3,801	7,082	141	0	NA	NA	0	NA
Cerritos	4,241	3,844	2,161	3,602	2,915	2,828	0	749	NA	NA	638	NA
Claremont	1,310	1,171	1,929	2,830	1,768	1,265	0	1,509	NA	NA	0	NA
Commerce	3,812	3,376	7,116	7,771	2,277	1,473	0	0	NA	NA	672	NA
Compton	18,036	8,109	10,113	18,451	4,019	3,180	0	3,108	NA	NA	0	NA
Covina	4,267	887	4,374	7,180	2,266	1,492	0	997	NA	NA	295	NA
Cudahy	537	768	951	1,179	593	480	11	0	NA	NA	0	NA
Culver City	5,124	3,946	10,718	16,003	6,929	6,227	0	4,496	NA	NA	0	NA
Downey	3,300	1,937	11,000	12,968	3,126	4,612	0	158	NA	NA	579	NA
Duarte	1,017	500	672	1,073	1,343	1,220	124	270	NA	NA	28	NA
El Monte	7,884	1,713	6,504	11,511	3,148	2,907	0	257	NA	NA	0	NA
El Segundo	2,938	2,114	6,448	9,008	1,789	3,195	0	668	NA	NA	301	NA

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures											
	General Government		Public Protection		Public Ways and Facilities		Health and Sanitation		Public Assistance		Education	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Gardena	6,835	3,389	6,800	10,227	3,350	5,613	17	50	NA	NA	0	NA
Glendale	19,777	5,800	16,783	27,574	13,199	9,982	13	8,342	NA	NA	2,608	NA
Glendora	2,230	650	2,479	4,070	3,014	2,325	0	946	NA	NA	464	NA
Hawaiian Gardens	728	663	758	680	192	571	4	0	NA	NA	0	NA
Hawthorne	3,455	3,393	8,465	12,099	5,127	1,477	0	4,123	NA	NA	0	NA
Hermosa Beach	2,121	2,143	2,292	4,551	1,160	1,638	0	0	NA	NA	0	NA
Hidden Hills	209	65	65	78	1	0	0	0	NA	NA	0	NA
Huntington Park	3,736	2,345	2,715	6,269	1,950	1,182	21	584	NA	NA	0	NA
Industry	12,803	1,467	1,616	2,128	3,067	3,537	16	2,688	NA	NA	0	NA
Inglewood	21,219	5,236	18,031	21,982	10,899	7,425	0	6,859	NA	NA	1,278	NA
Irwindale	1,001	1,532	656	952	395	476	11	1	NA	NA	48	NA
La Canada Flintridge	329	268	1,051	1,026	593	938	0	0	NA	NA	0	NA
La Habra Heights	170	227	543	642	157	244	0	0	NA	NA	0	NA
Lakewood	4,467	2,317	3,108	3,971	4,686	3,185	47	1,643	NA	NA	0	NA
La Mirada	4,438	942	1,434	2,383	895	2,055	13	258	NA	NA	0	NA
Lancaster	1,472	1,275	2,183	2,830	3,153	4,504	41	0	NA	NA	0	NA
La Puente	1,643	777	1,358	153	712	989	17	61	NA	NA	0	NA
La Verne	1,389	1,217	3,973	3,716	2,140	876	0	632	NA	NA	0	NA
Lawndale	1,913	1,068	1,229	1,371	545	821	16	0	NA	NA	0	NA
Lomita	766	433	935	967	1,249	541	0	0	NA	NA	0	NA
Long Beach	85,684	25,856	83,447	110,213	45,425	107,847	4,203	18,747	NA	NA	6,601	NA
Los Angeles	379,676	131,583	737,337	963,542	338,962	430,553	11,285	249,419	NA	NA	29,722	NA
Lynwood	3,199	663	4,800	5,405	3,019	1,629	0	708	NA	NA	0	NA
Manhattan Beach	2,060	1,318	4,852	6,898	4,072	1,831	0	1,768	NA	NA	0	NA
Maywood	935	393	916	1,850	340	637	0	0	NA	NA	0	NA

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures											
	General Government		Public Protection		Public Ways and Facilities		Health and Sanitation		Public Assistance		Education	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Monrovia	2,480	1,279	3,998	5,602	3,973	1,634	0	759	NA	NA	319	NA
Montebello	2,821	1,839	7,820	9,754	2,156	5,733	0	676	NA	NA	0	NA
Monterey Park	1,914	1,750	5,418	7,490	3,522	2,288	63	1,527	NA	NA	694	NA
Norwalk	3,830	3,296	3,884	4,256	4,797	6,329	41	1,617	NA	NA	0	NA
Palmdale	827	997	609	1,507	978	531	9	0	NA	NA	229	NA
Palos Verdes Estates	759	1,109	1,714	2,825	297	640	0	0	NA	NA	0	NA
Paramount	2,224	1,164	2,362	3,170	3,192	4,855	0	395	NA	NA	0	NA
Pasadena	17,100	12,699	24,210	34,040	13,275	8,704	1,733	7,382	NA	NA	4,027	NA
Pico Rivera	4,463	1,801	2,382	3,053	2,530	2,326	27	3,465	NA	NA	0	NA
Pomona	6,079	3,336	17,430	22,335	7,294	4,398	3	2,665	NA	NA	1,265	NA
Rancho Palos Verdes	1,164	1,580	1,007	1,412	1,597	2,098	3	0	NA	NA	0	NA
Redondo Beach	12,740	3,973	6,776	13,719	6,359	6,846	0	1,261	NA	NA	315	NA
Rolling Hills	302	251	104	122	192	45	0	227	NA	NA	0	NA
Rolling Hills Estates	560	379	616	697	462	590	8	7	NA	NA	0	NA
Rosemead	1,085	594	1,665	2,747	4,573	1,982	40	140	NA	NA	0	NA
San Dimas	1,623	581	958	1,654	2,391	1,563	0	24	NA	NA	0	NA
San Fernando	1,178	1,150	2,849	3,898	1,149	656	0	659	NA	NA	0	NA
San Gabriel	1,897	655	3,078	4,931	846	1,958	0	50	NA	NA	0	NA
San Marino	1,069	537	1,769	2,913	483	1,117	0	9	NA	NA	190	NA
Santa Fe Springs	3,765	2,661	6,650	7,844	6,650	3,996	33	1,020	NA	NA	488	NA
Santa Monica	20,602	18,295	12,844	15,326	7,238	25,796	0	10,272	NA	NA	2,058	NA
Sierra Madre	672	276	660	1,087	739	343	0	410	NA	NA	165	NA
Signal Hill	1,125	761	1,879	2,440	1,123	983	4	153	NA	NA	45	NA
South El Monte	1,270	1,552	1,260	970	1,835	1,028	32	0	NA	NA	0	NA
South Gate	2,379	2,103	5,895	7,573	5,156	1,268	0	1,124	NA	NA	0	NA

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures											
	General Government		Public Protection		Public Ways and Facilities		Health and Sanitation		Public Assistance		Education	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
South Pasadena	841	568	3,052	3,552	1,498	1,055	0	22	NA	NA	331	NA
Temple City	697	1,932	1,140	1,536	765	856	7	0	NA	NA	0	NA
Torrance	14,396	7,163	26,944	34,402	14,687	20,949	0	2,261	NA	NA	2,304	NA
Vernon	1,442	726	7,203	6,807	1,385	1,740	254	281	NA	NA	1	NA
Walnut	386	421	694	696	690	1,484	0	0	NA	NA	0	NA
West Covina	4,377	2,438	9,701	17,028	5,351	2,819	0	15	NA	NA	0	NA
West Hollywood (c)	NA	790	NA	7	NA	37	NA	1	NA	NA	NA	NA
Westlake Village (d)	NA	396	NA	645	NA	293	NA	0	NA	NA	NA	NA
Whittier	6,558	1,482	4,440	7,180	5,167	3,865	0	1,826	NA	NA	1,083	NA
City Subtotal	$787,111	$353,022	$1,204,346	$1,614,447	$625,625	$789,172	$20,103	$360,427	NA	NA	$60,965	NA
County	$639,604	$533,707	$889,440	$1,044,216	$134,987	$113,616	$420,843	$409,468	$1,724,102	$1,827,360	$27,133	$36,802
City and County	$1,426,715	$886,729	$2,093,786	$2,658,664	$760,612	$902,788	$440,946	$769,895	NA	NA	$88,098	NA

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Revenue													
	Property Tax		Sales and Use Taxes		Other Taxes		Total Taxes		Intergovernmental Transfers		Other Revenue Sources		Total Revenue	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Agoura Hills (b)	NA	$644	NA	$827	NA	$139	NA	$1,609	NA	$616	NA	$2,359	NA	$4,584
Alhambra	2,492	2,715	4,886	5,317	786	3,602	8,165	11,633	4,868	1,998	6,928	16,491	19,961	30,123
Arcadia	1,645	1,867	5,103	4,995	4,341	3,625	11,090	10,487	3,422	3,455	2,588	9,570	17,100	33,413
Artesia	0	0	1,083	925	166	562	1,249	1,487	1,498	772	539	689	3,285	2,948
Avalon	289	291	249	292	466	682	1,003	1,265	217	208	563	2,741	1,782	4,214
Azusa	1,077	1,116	1,975	1,832	878	1,023	3,930	3,970	3,439	1,490	6,314	18,458	13,683	23,917
Baldwin Park	1,013	1,033	1,784	1,553	640	1,408	3,437	3,994	5,059	6,586	2,143	4,469	10,639	15,049
Bell	637	830	1,105	1,098	452	761	2,195	2,689	2,939	2,170	1,568	2,885	6,702	7,744
Bellflower	0	14	3,834	3,345	479	1,070	4,313	4,429	3,695	4,417	2,781	3,502	10,789	12,348
Bell Gardens	342	346	1,178	1,064	205	2,017	1,725	3,426	4,543	3,528	572	1,402	6,900	8,357
Beverly Hills	7,018	8,993	9,269	9,124	13,602	16,740	29,823	34,857	4,526	2,877	10,502	43,333	44,850	81,067
Bradbury	47	40	1	1	44	39	92	79	52	46	94	143	238	267
Burbank	5,937	7,953	8,669	8,953	8,668	11,253	23,274	28,159	10,530	14,224	21,771	95,457	55,574	137,840
Carson	0	0	10,237	10,698	2,339	3,989	12,576	14,687	10,038	6,014	4,357	6,323	26,971	27,024
Cerritos	0	0	7,112	11,301	923	1,531	8,035	12,831	3,857	3,518	6,375	12,970	18,266	29,320
Claremont	1,168	1,374	994	1,070	1,083	1,660	3,244	4,105	2,468	2,118	3,228	4,688	9,007	10,910
Commerce	0	0	13,484	11,786	645	1,430	14,129	13,216	1,913	1,977	1,674	2,912	17,716	18,104
Compton	3,403	5,342	3,397	2,981	3,201	5,483	10,002	13,806	17,634	12,724	4,527	23,887	32,163	50,417
Covina	1,448	1,666	4,245	4,889	440	1,477	6,134	8,052	3,189	2,842	22,840	7,073	12,140	17,947
Cudahy	0	0	616	704	172	313	787	1,017	1,459	1,529	458	922	2,704	3,467
Culver City	1,778	1,530	7,924	8,123	7,815	12,996	17,517	22,648	4,275	5,052	6,525	9,011	28,317	36,711
Downey	3,353	3,498	7,989	8,571	1,407	2,739	12,749	14,808	7,440	6,145	4,960	11,813	25,149	32,766
Duarte	351	267	614	479	505	526	1,471	1,272	1,438	1,396	1,690	4,834	4,599	7,502
El Monte	2,802	4,821	6,586	7,673	1,512	2,232	10,901	14,668	8,152	12,813	2,931	4,136	21,984	31,676
El Segundo	686	1,591	15,416	3,378	2,022	5,856	18,124	10,825	2,040	1,297	3,106	9,944	23,270	22,065

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Revenue													
	Property Tax		Sales and Use Taxes		Other Taxes		Total Taxes		Intergovernmental Transfers		Other Revenue Sources		Total Revenue	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Gardena	1,389	1,736	4,228	4,555	6,726	8,879	12,342	15,171	5,246	4,624	2,056	3,909	19,644	23,704
Glendale	5,254	7,160	13,279	15,140	7,283	9,595	25,815	31,895	15,915	17,262	30,583	104,587	72,313	153,734
Glendora	1,279	1,641	2,426	3,206	513	1,079	4,219	5,926	2,754	2,908	2,206	8,467	9,180	17,301
Hawaiian Gardens	53	27	529	459	101	374	684	860	1,121	1,189	329	424	2,133	2,473
Hawthorne	1,934	2,086	5,067	6,258	1,353	4,774	8,354	13,118	4,358	4,892	5,675	10,247	18,387	28,256
Hermosa Beach	1,443	1,894	1,154	1,273	467	692	3,064	3,859	1,084	1,346	2,548	4,461	6,697	9,666
Hidden Hills	63	99	9	23	9	25	81	147	60	62	116	119	257	328
Huntington Park	886	753	3,233	3,104	680	1,233	4,799	5,090	2,692	2,766	2,617	8,578	10,108	16,434
Industry	7,900	7,548	9,809	11,358	608	1,467	18,317	20,373	1,793	395	8,617	6,024	28,727	26,792
Inglewood	3,405	5,504	5,671	5,547	11,237	2,189	20,313	13,240	12,723	19,632	10,708	35,891	43,744	68,763
Irwindale	225	212	1,612	1,650	2,115	514	3,712	2,376	149	142	855	3,815	4,716	6,333
La Canada Flintridge	0	0	999	1,137	251	126	1,250	1,262	1,882	1,068	790	1,797	3,922	4,127
La Habra Heights	197	311	36	24	55	127	287	335	479	340	242	849	1,008	1,524
Lakewood	422	484	4,942	5,188	807	1,683	6,171	7,355	6,826	5,163	4,240	8,178	17,237	20,696
La Mirada	557	599	2,961	3,352	469	534	3,987	4,485	2,613	2,758	2,987	6,218	9,588	13,461
Lancaster	0	0	5,590	5,297	676	3,142	6,266	8,440	3,736	4,313	2,716	6,001	12,717	18,755
La Puente	0	0	1,556	1,468	223	534	1,780	2,002	2,999	2,099	1,241	1,580	6,020	5,681
La Verne	1,100	1,529	924	995	418	1,004	2,442	3,527	2,250	2,438	2,955	7,666	7,648	13,631
Lawndale	0	0	1,599	1,429	226	629	1,825	2,057	1,895	9,452	838	1,683	4,558	13,192
Lomita	0	0	741	775	379	584	1,120	1,359	2,109	1,083	722	739	3,951	3,181
Long Beach	24,912	33,843	23,026	23,869	29,780	48,678	77,719	106,390	92,911	43,502	98,638	417,059	269,268	566,951
Los Angeles	277,473	302,702	228,043	225,228	518,006	540,891	818,283	1,068,822	519,898	411,996	359,770	2,351,209	1,697,951	3,832,028
Lynwood	1,535	1,564	2,246	1,902	585	1,104	4,366	4,570	4,638	3,904	2,556	4,766	11,560	13,239
Manhattan Beach	2,055	2,884	1,756	3,072	1,083	1,800	4,893	7,756	2,836	2,126	4,328	9,835	12,056	19,716
Maywood	226	537	624	549	282	573	1,132	1,659	1,484	4,291	396	722	3,012	6,672

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Revenue													
	Property Tax		Sales and Use Taxes		Other Taxes		Total Taxes		Intergovernmental Transfers		Other Revenue Sources		Total Revenue	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Monrovia	1,418	2,709	2,620	2,818	548	1,119	4,586	6,645	3,403	3,256	4,448	6,148	12,437	16,049
Montebello	3,102	3,425	5,199	4,824	1,157	5,489	9,458	13,738	4,896	5,402	4,132	8,249	18,486	27,379
Monterey Park	2,800	3,998	2,651	2,803	951	3,292	6,401	10,092	3,942	4,938	3,576	7,560	13,920	22,590
Norwalk	0	683	5,396	5,453	1,136	3,237	6,532	9,373	6,867	8,568	2,357	6,305	15,755	24,247
Palmdale	0	0	1,201	1,343	346	1,589	1,547	2,977	1,342	1,575	829	4,584	3,717	9,136
Palos Verdes Estates	948	1,285	180	182	314	1,835	1,442	3,303	802	998	1,125	2,843	3,369	7,144
Paramount	0	0	3,981	3,381	543	901	4,523	4,282	4,295	4,915	1,166	6,459	9,984	15,656
Pasadena	8,126	9,332	13,603	13,771	12,047	18,771	33,777	41,874	21,773	29,256	25,391	115,232	80,941	186,363
Pico Rivera	0	0	3,477	3,754	759	2,350	4,236	6,055	6,501	3,965	2,727	7,088	13,464	17,158
Pomona	5,021	6,060	8,332	7,015	5,506	9,055	18,859	22,129	11,574	10,105	6,637	16,284	37,070	48,518
Rancho Palos Verdes	275	378	322	787	637	1,209	1,234	2,374	3,736	2,665	1,064	1,724	6,034	6,763
Redondo Beach	3,644	4,924	3,836	4,097	5,990	8,193	13,470	17,214	10,619	5,321	9,021	16,855	33,110	39,390
Rolling Hills	85	11	7	12	15	53	106	76	116	65	412	808	634	949
Rolling Hills Estates	0	0	1,339	1,348	446	550	1,785	1,899	473	481	1,169	610	3,427	2,990
Rosemead	153	0	2,268	2,402	383	949	2,899	3,351	3,119	3,495	1,234	2,239	7,157	9,085
San Dimas	710	1,296	624	1,042	1,012	830	2,346	3,168	2,115	732	2,784	362	7,245	4,262
San Fernando	971	1,445	1,641	1,521	593	2,668	3,205	5,634	1,645	1,655	2,059	1,267	6,909	8,557
San Gabriel	1,397	1,758	2,578	2,517	543	840	4,517	5,114	1,905	2,027	1,299	1,521	7,721	8,662
San Marino	1,742	1,890	380	266	330	524	2,453	2,680	845	710	1,100	2,478	4,397	5,868
Santa Fe Springs	951	1,137	9,164	10,569	1,261	2,086	11,375	15,878	6,399	2,277	3,036	15,630	20,811	33,785
Santa Monica	4,269	6,835	9,654	12,471	8,503	17,146	22,426	36,452	12,546	13,831	16,483	43,393	51,455	93,676
Sierra Madre	150	671	178	165	628	242	956	1,078	936	585	980	2,303	2,873	3,966
Signal Hill	21	23	3,270	3,065	690	856	3,982	3,944	601	721	1,160	2,825	5,743	7,490
South El Monte	0	2	3,248	2,675	198	503	3,446	3,180	2,281	1,505	867	658	6,594	5,343
South Gate	681	696	3,927	3,765	1,814	2,119	6,423	6,580	5,784	10,978	3,797	9,188	16,004	26,746

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Revenue													
	Property Tax		Sales and Use Taxes		Other Taxes		Total Taxes		Intergovernmental Transfers		Other Revenue Sources		Total Revenue	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
South Pasadena	1,728	1,740	867	968	585	1,462	3,180	3,300	2,012	1,952	1,845	4,353	7,037	9,605
Temple City	130	319	1,204	1,246	246	616	1,580	2,181	1,498	1,434	1,108	1,238	4,186	4,853
Torrance	6,409	8,190	15,449	18,462	16,323	25,427	38,182	52,079	16,540	15,009	11,473	25,443	66,194	92,531
Vernon	1,426	1,298	6,395	5,297	746	1,006	8,567	7,601	492	2,150	3,243	85,172	12,301	94,923
Walnut	158	187	134	389	323	545	616	1,121	732	804	843	4,150	2,191	6,075
West Covina	3,443	3,459	6,143	7,005	3,126	4,171	12,712	14,635	6,929	5,601	6,772	9,621	26,414	29,857
West Hollywood (c)	NA	0	NA	2,047	NA	1,372	NA	3,419	NA	1,558	NA	492	NA	5,470
Westlake Village (d)	NA	228	NA	974	NA	270	NA	1,472	NA	516	NA	742	NA	2,729
Whittier	1,604	1,751	6,481	6,386	2,395	2,264	10,480	10,402	5,945	4,259	4,961	9,115	21,386	23,776
City Subtotal	$419,157	$484,771	$565,560	$572,658	$707,216	$838,918	$1,486,484	$1,897,390	$955,803	$802,873	$796,862	$3,727,772	$3,219,156	$6,438,006
County	$915,399	$1,141,752	$40,776	$38,548	$32,113	$23,508	$988,288	$1,203,807	$2,383,982	$2,461,047	$513,441	$703,042	$3,885,712	$4,367,896
City and County	$1,334,557	$1,626,523	$606,336	$611,205	$739,328	$862,426	$2,474,772	$3,101,198	$3,339,786	$3,263,920	$1,310,303	$4,430,813	$7,104,868	$10,805,901

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures									
	Recreation and Culture		Debt Service		Public Utilities		Community Development		Total Expenditures	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Agoura Hills (b)	NA	8265	NA	NA	NA	80	NA	8571	NA	82,983
Alhambra	1,322	3,802	NA	NA	NA	2,371	NA	2,975	18,820	29,133
Arcadia	726	1,722	NA	NA	NA	2,630	NA	1,288	14,026	19,510
Artesia	742	500	NA	NA	NA	0	NA	211	3,068	2,370
Avalon	36	80	NA	NA	NA	0	NA	629	2,051	3,822
Azusa	777	1,375	NA	NA	NA	1,413	NA	1,257	10,136	28,997
Baldwin Park	1,236	407	NA	NA	NA	0	NA	5,203	10,540	13,931
Bell	358	750	NA	NA	NA	0	NA	676	5,630	8,201
Bellflower	1,267	1,730	NA	NA	NA	1,295	NA	2,174	9,245	12,124
Bell Gardens	1,476	528	NA	NA	NA	0	NA	1,621	7,328	6,588
Beverly Hills	3,978	11,970	NA	NA	NA	6,674	NA	14,868	33,165	88,362
Bradbury	0	1	NA	NA	NA	0	NA	31	200	193
Burbank	4,686	7,250	NA	NA	NA	79,005	NA	4,713	40,719	133,769
Carson	6,661	5,497	NA	NA	NA	0	NA	1,755	23,975	25,327
Cerritos	2,139	2,862	NA	NA	NA	3,587	NA	875	12,095	18,348
Claremont	1,463	1,377	NA	NA	NA	0	NA	768	6,496	8,920
Commerce	1,845	3,685	NA	NA	NA	1,341	NA	360	15,721	18,008
Compton	805	2,283	NA	NA	NA	4,944	NA	3,335	32,973	43,410
Covina	700	1,663	NA	NA	NA	1,886	NA	672	11,902	14,779
Cudahy	93	338	NA	NA	NA	0	NA	535	2,184	3,298
Culver City	3,862	2,043	NA	NA	NA	0	NA	3,616	26,635	36,329
Downey	2,520	2,990	NA	NA	NA	3,337	NA	2,770	21,160	28,773
Duarte	548	3,936	NA	NA	NA	0	NA	552	3,732	7,551
El Monte	2,705	2,400	NA	NA	NA	406	NA	3,376	20,241	22,558
El Segundo	1,321	2,150	NA	NA	NA	5,361	NA	1,714	12,796	24,366

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures									
	Recreation and Culture		Debt Service		Public Utilities		Community Development		Total Expenditures	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Gardena	549	1,376	NA	NA	NA	0	NA	1,710	17,552	23,737
Glendale	6,798	8,791	NA	NA	NA	12,371	NA	11,392	60,441	143,652
Glendora	882	1,914	NA	NA	NA	4,121	NA	1,171	9,089	15,198
Hawaiian Gardens	512	205	NA	NA	NA	0	NA	453	2,193	2,576
Hawthorne	1,291	1,498	NA	NA	NA	1,885	NA	2,190	18,339	26,661
Hermosa Beach	267	521	NA	NA	NA	0	NA	378	5,877	9,233
Hidden Hills	32	38	NA	NA	NA	0	NA	84	307	265
Huntington Park	883	838	NA	NA	NA	1,865	NA	2,319	9,335	15,402
Industry	8,156	8,458	NA	NA	NA	1,011	NA	8,253	27,221	27,543
Inglewood	3,204	4,478	NA	NA	NA	7,435	NA	11,169	54,631	64,583
Irwindale	137	244	NA	NA	NA	0	NA	0	2,240	3,205
La Canada Flintridge	182	45	NA	NA	NA	0	NA	326	2,155	2,602
La Habra Heights	16	18	NA	NA	NA	0	NA	240	916	1,369
Lakewood	3,983	6,451	NA	NA	NA	2,352	NA	1,644	16,535	21,563
La Mirada	984	4,315	NA	NA	NA	0	NA	768	7,765	10,465
Lancaster	3,350	2,280	NA	NA	NA	0	NA	1,634	10,679	12,721
La Puente	392	592	NA	NA	NA	0	NA	328	4,120	4,283
La Verne	543	1,018	NA	NA	NA	3,086	NA	484	8,058	11,028
Lawndale	335	772	NA	NA	NA	0	NA	8,936	4,038	12,969
Lomita	891	477	NA	NA	NA	0	NA	438	3,841	2,855
Long Beach	27,687	21,145	NA	NA	NA	165,350	NA	17,726	266,916	528,813
Los Angeles	103,853	148,053	NA	NA	NA	1,494,595	NA	224,392	1,753,641	3,632,208
Lynwood	595	782	NA	NA	NA	1,921	NA	810	11,614	11,919
Manhattan Beach	886	1,470	NA	NA	NA	2,865	NA	1,192	11,872	17,367
Maywood	122	216	NA	NA	NA	0	NA	5,336	2,314	8,451

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures									
	Recreation and Culture		Debt Service		Public Utilities		Community Development		Total Expenditures	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Monrovia	1,072	1,137	NA	NA	NA	2,706	NA	1,827	12,255	14,982
Montebello	2,853	2,932	NA	NA	NA	632	NA	1,534	15,650	23,104
Monterey Park	1,829	2,692	NA	NA	NA	2,360	NA	1,535	13,440	19,628
Norwalk	49	3,032	NA	NA	NA	773	NA	2,790	13,065	22,434
Palmdale	463	0	NA	NA	NA	0	NA	786	3,116	6,032
Palos Verdes Estates	262	0	NA	NA	NA	0	NA	154	3,031	5,495
Paramount	1,309	0	NA	NA	NA	2,475	NA	1,004	9,087	15,170
Pasadena	8,997	20,678	NA	NA	NA	71,626	NA	11,735	69,261	166,864
Pico Rivera	4,519	0	NA	NA	NA	1,863	NA	3,466	14,615	15,028
Pomona	2,661	3,887	NA	NA	NA	6,637	NA	3,965	34,732	47,253
Rancho Palos Verdes	1,084	928	NA	NA	NA	0	NA	754	4,855	6,999
Redondo Beach	1,620	2,470	NA	NA	NA	0	NA	2,854	27,810	31,639
Rolling Hills	0	1	NA	NA	NA	0	NA	73	597	716
Rolling Hills Estates	561	455	NA	NA	NA	0	NA	160	2,206	2,561
Rosemead	1,057	1,331	NA	NA	NA	0	NA	898	8,420	7,692
San Dimas	3,485	2,104	NA	NA	NA	0	NA	984	8,456	6,937
San Fernando	263	649	NA	NA	NA	886	NA	451	5,472	8,355
San Gabriel	547	0	NA	NA	NA	0	NA	281	6,365	8,682
San Marino	238	779	NA	NA	NA	0	NA	70	3,748	5,368
Santa Fe Springs	2,006	4,759	NA	NA	NA	4,474	NA	6,514	19,592	31,249
Santa Monica	5,668	9,657	NA	NA	NA	7,155	NA	5,422	48,455	93,999
Sierra Madre	161	474	NA	NA	NA	574	NA	141	2,397	3,305
Signal Hill	177	635	NA	NA	NA	932	NA	960	4,624	6,863
South El Monte	2,052	864	NA	NA	NA	0	NA	514	6,453	4,927
South Gate	1,874	2,161	NA	NA	NA	5,960	NA	3,057	15,304	25,916

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures: Recreation and Culture 1979-1980	Recreation and Culture 1984-1985	Debt Service 1979-1980	Debt Service 1984-1985	Public Utilities 1979-1980	Public Utilities 1984-1985	Community Development 1979-1980	Community Development 1984-1985	Total Expenditures 1979-1980	Total Expenditures 1984-1985
South Pasadena	418	747	NA	NA	NA	1,266	NA	481	6,138	7,772
Temple City	295	362	NA	NA	NA	0	NA	71	3,741	4,758
Torrance	5,877	11,319	NA	NA	NA	8,527	NA	8,256	64,379	92,873
Vernon	0	7	NA	NA	NA	79,680	NA	460	10,284	89,714
Walnut	305	311	NA	NA	NA	0	NA	772	2,075	3,684
West Covina	2,911	2,535	NA	NA	NA	6,741	NA	1,883	22,340	33,460
West Hollywood (c)	NA	0	NA	NA	NA	0	NA	199	NA	1,033
Westlake Village (d)	NA	42	NA	NA	NA	0	NA	301	NA	1,679
Whittier	2,848	3,650	NA	NA	NA	2,035	NA	2,168	20,096	22,208
City Subtotal	$265,257	$358,195	NA	NA	NA	$2,020,408	NA	$426,443	$3,138,585	$6,050,692
County	$79,332	$76,873	$6,594	$14,813	NA	NA	NA	NA	$3,921,985	$4,296,780
City and County	$344,588	$435,067	NA	NA	NA	NA	NA	NA	$7,060,570	$10,347,472

Table DS 2-17 (Cont.)

Government Finance for Los Angeles County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

Source: California State Controller's Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controller's Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

(b) - The city of Agoura Hills was incorporated in 1982.

(c) - The city of West Hollywood was incorporated in 1984.

(d) - The city of Westlake Village was incorporated in 1981.

NA - Not available.

Data may not be directly comparable. See table in this data supplement entitled "Government Finance: Supplementary Expenditures Information" for a listing of the components of each category.

Table DS 2-18

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
General	General	General Government	General Government
Legislative and Administrative	Legislative and Administrative	Departmental	Legislative
Board of Supervisors	Board of Supervisors	City Council	Management and Support
Chief Administrative	Clerk of Board	Manager/Administrator	
Housing and Community Development	Administrative Officer	City Clerk	Public Safety
Planning and Land Use	Council of Governments	Controller/Finance Officer	Police
Finance	Other	City Treasurer	Fire
Chief Administrative	Finance	City Attorney	Emergency Medical Services
Auditor and Controller	Auditor/Controller	Planning	Animal Regulation
Assessor	Treasurer/Tax Collector	Personnel Administration	Weed Abatement
Treasurer/Tax Collector	Assessor	General Government Buildings	Street Lighting
Purchasing Agent	Purchasing Agent	Nondepartmental	Disaster Preparedness
Revenue and Recovery	Other	Debt Service	Other
Counsel	Counsel	General Obligation Bonds - Interest	
County Counsel	County Counsel	General Obligation Bonds - Principal	Community Development
Personnel	District Attorney (Legal Advice)	Non-enterprise Bonds - Principal	Planning
Chief Administrative	Other	Non-enterprise Bonds - Interest	Construction and Engineering Regulation
Civil Service and Personnel	Counsel	Other Long Term Debt - Interest	Enforcement
Elections	Personnel	Other Long Term Debt - Principal	Redevelopment
Registrar of Voters	Elections	Retirement	Housing
Communications	Communications	Insurance	Employment
Community Services Agency (CSA) -	Property Management	Community Promotion	Community Promotion
General Services	Plant Acquisition	Elections	Other
Property Management	Jails	Other	
CSA - General Services	Courts		Health
Property Management	Other	Public Safety	Physical and Mental Health
Plant Acquisition	Promotion	Police Protection	Hospitals and Sanitariums
CSA - Capital Improvement	Other General	Fire Protection	Solid Waste
Federal Revenue Sharing		Building Regulation	Sewers

Table DS 2-18 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Accumulated Capital Outlay	Public Protection	Animal Regulation	Cemeteries
Other General	Judicial	Civil Defense	Other
Chief Administrative	Superior Courts		
Equal Opportunity Management Office	Municipal Courts	Public Works	Culture and Leisure
EDP Services	Justice Courts	Engineering and Administration -	Parks and Recreation
CSA	Court Reporter	Streets, Storm Drains, Street Lighting	Marinas and Wharfs
CSA - Capital Improvement	County Clerk	Parking Facilities	Libraries
CSA - Federal Revenue Sharing	Grand Jury	Sewage Collection and Disposal	Museums
Accumulated Capital Outlay	District Attorney - Prosecution	Waste Collection and Disposal	Golf Courses
General Services	District Attorney - Family Support	Unallocated Costs - Shops and Corporation	Sports Arenas/Stadiums
Planning and Land Use	Public Defender	Yards	Community Centers/Auditoriums
Department of Transportation -	Court Appointed Counsel		Other
General Fund	Marshal - Court	Health	
	Sheriff - Court	Health Services	Public Utilities
Public Protection	Police Protection		Water
Judicial	Detention and Correction	Libraries	Gas
Fiscal and Justice Office	Adult Detention	Library Services	Electric
Criminal Justice Planning	Juvenile Detention		Other
Superior Court	Probation	Parks and Recreation	
Municipal Court	Fire Protection	Parks and Recreation	
Sheriff	Flood Control		
Grand Jury	Soil and Water Conservation		
County Clerk	Protective Inspection		
District Attorney	Agricultural Commissioner		
Office of Defender Services	Building Inspector		
Police Protection	Livestock Inspector		
Sheriff	Sealer of Weights and Measures		
Marshal	Other Protection		
Detention and Correction	LAFCO		

Table DS 2-18 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Sheriff	Recorder		
Probation	Coroner		
Fire Protection	Emergency Services		
Chief Administrative	Planning and Zoning		
Protective Inspection	Pound		
Department of Animal Control			
Department of Agriculture	Public Ways and Facilities		
Department of Health Services	Roads		
Other Protection	Transportation Terminals		
Chief Administrative	Transportation Systems		
Recorder	Parking Facilities		
Public Administrator			
Coroner	Health		
Department of Human Services	Public Health		
County Grazing and Advisory Board	Medical Care		
Fish and Game Commission	Mental Health		
Department of Planning and Land Use			
Survey Monument Preservation	Sanitation		
Department of Air Pollution Control	Refuse Collection and Disposal		
Public Ways and Facilities	Public Assistance		
Public Ways	Aid Programs		
Department of Transportation -	Cash (Grant) Aid Programs		
Road Fund	Social Services Administration and		
Transportation Terminals	Programs		
Special Aviation	Other		
Transportation Systems	General Relief		
Administrative Claims and B&P	Aid to Indigents		
	Indigent Burials		

Table DS 2-18 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Health and Sanitation	Care of Court Wards		
Health	Veteran's Services		
Department of Health Services	Other Public Assistance		
Hospital Care	JTPA		
Department of Health Services	Other		
Sanitiation			
Sanitation and Flood Control	Education		
	School Administration		
Public Assistance	Library Services		
Administration	Agriculture Education		
Chief Administrative	Other		
Department of Human Services			
Area Agency on Aging - Federal	Recreation and Culture Services		
Revenue Sharing	Recreation Facilities		
Department of Health Services	Cultural Services		
Department of Public Welfare	Veteran's Memorial Building		
Aid Programs	Small Craft Harbor		
General Relief			
Department of Public Welfare	Debt Service		
Care of Court Wards	Retirement of Long Term Debt		
Other Assistance	Interest of Long Term Debt		
Department of Public Welfare	Interest of Short Term Notes and		
Department of Health Services	Warrants		
Education			
Library Services			
County Library			
Government Reference Library			
Agriculture Education			

Table DS 2-18 (Cont.)

Government Finance: Supplementary Expenditures Information

	County		City	
	1979-1980	1984-1985	1979-1980	1984-1985
Farm Advisor				
Recreation and Cultural Services				
Recreation Facilities				
Department of Parks and Recreation				
Park Land Dedication				
Debt Service				
Bond Redemptions				
Bond Interest				
Interest on Notes and Warrants				

Source: California State Controllers Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controllers Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

Table DS 2-19

Major Species of Fish

Crustaceans: Crab, Crayfish, Lobster
Shrimp, Prawns

Flatfish: Flounder, Halibut, Sole, Turbot

Hake and Cod

Herring and Anchovy: Anchovy, Herring, and Sardine

Lingcod

Marine Plants: Algae, Kelp

Mollusk: Abalone, Barnacle, Clams, Limpet, Mussels, Octopus, Oysters, Scallops, Sea Slugs, Sea Snails, Squid, Whelk

Other - Fish: Barracuda, Bass, Butterfish, Cabezon, Croaker, Eel, Grenadiers, Greenling, Grunion, Jacksmelt, Louvar, Mackerel, Opah, Queenfish, Scorpionfish, Sculpin, Seabass, Silversides, Surfperch, Swordfish, Thornyhead, Wolf-eel, Yellowtail

- Invertebrates: Colonials, Coral, Sea Cucumbers, Sea Hares, Sea Spiders, Seastars, Sponges, Tunicates, Urchins, Worms

- Vertebrates: Bull Frog

Rockfish

Sablefish

Salmon

Sanddab

Shark, Skates, and Ray: Guitarfish, Ray, Shark, Skate

Smelt

Tuna

Source: Kearney/Centaur Division, A.T. Kearney Inc., Washington, D.C., 1987.

Table DS 2-20

GNP Implicit Price Deflator

Year	Price Index for 1972 Base Year	Price Deflator for 1986 Base Year
1970	91.5	2.593
1971	96.0	2.472
1972	100.0	2.373
1973	105.8	2.243
1974	115.1	2.062
1975	125.8	1.886
1976	132.3	1.794
1977	140.1	1.694
1978	150.4	1.578
1979	163.4	1.452
1980	178.4	1.330
1981	195.1	1.216
1982	206.9	1.147
1983	215.6	1.101
1984	223.9	1.060
1985	239.7	0.990
1986	237.3	1.000

Source: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Product Accounts of the United States, 1929-1976, Current Survey of Business, July, 1972-1986, Current Survey of Business, December, 1986.

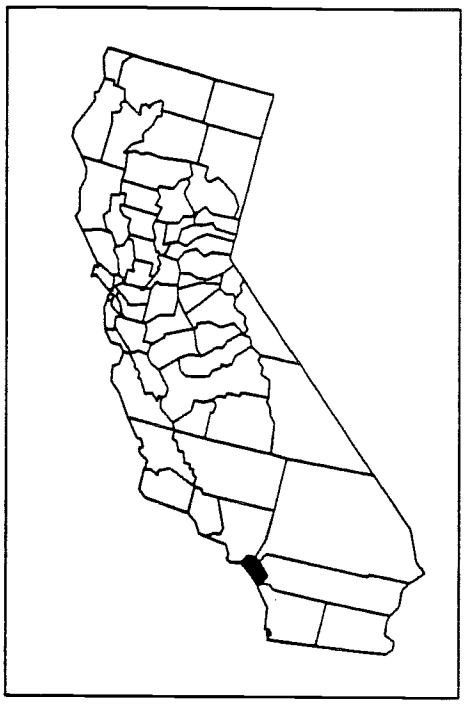
Note: The real prices presented in all tables in this document were derived by multiplying the 1986 deflator to the unadjusted data. For example, data collected in 1980 dollars were converted to real 1986 dollars by the 1980-1986 GNP Implicit Price Deflator of 1.330. To convert a price given in 1986 dollars to an earlier year, divide the 1986 figure by the GNP Implicit Price Deflator for the desired year.

ORANGE COUNTY

3.0 SOCIOECONOMIC PROFILE OF ORANGE COUNTY, CALIFORNIA

3.1 Regional Location

Orange County is the 2nd most southern county of the counties in the Southern California Planning Area. It is bordered by Los Angeles and San Bernardino counties to the north, Riverside County to the east, San Diego County to the south, and the Pacific Ocean to the west. Los Angeles and San Diego counties are also part of the Southern California Planning Area.



Orange County covers about 2,033 square kilometers (785 square miles). Land accounts for 2,025 square kilometers (782 square miles) of the county's area and water makes up the remaining 8 square kilometers (3 square miles). The county accounts for less than 1 percent of the total area in California and ranks 50th in size among the 58 counties in the state in terms of area. In terms of area, it is the smallest county in the Southern California Planning Area, and it is ranked 11th in size among the 15 coastal counties. Figure 3-1 is a map of Orange County.

3.2 Summary of the Socioeconomic Profile

The following points highlight and summarize information presented in the remainder of this section describing the historical (since 1970) and projected (to 2020) socioeconomic characteristics of Orange County.

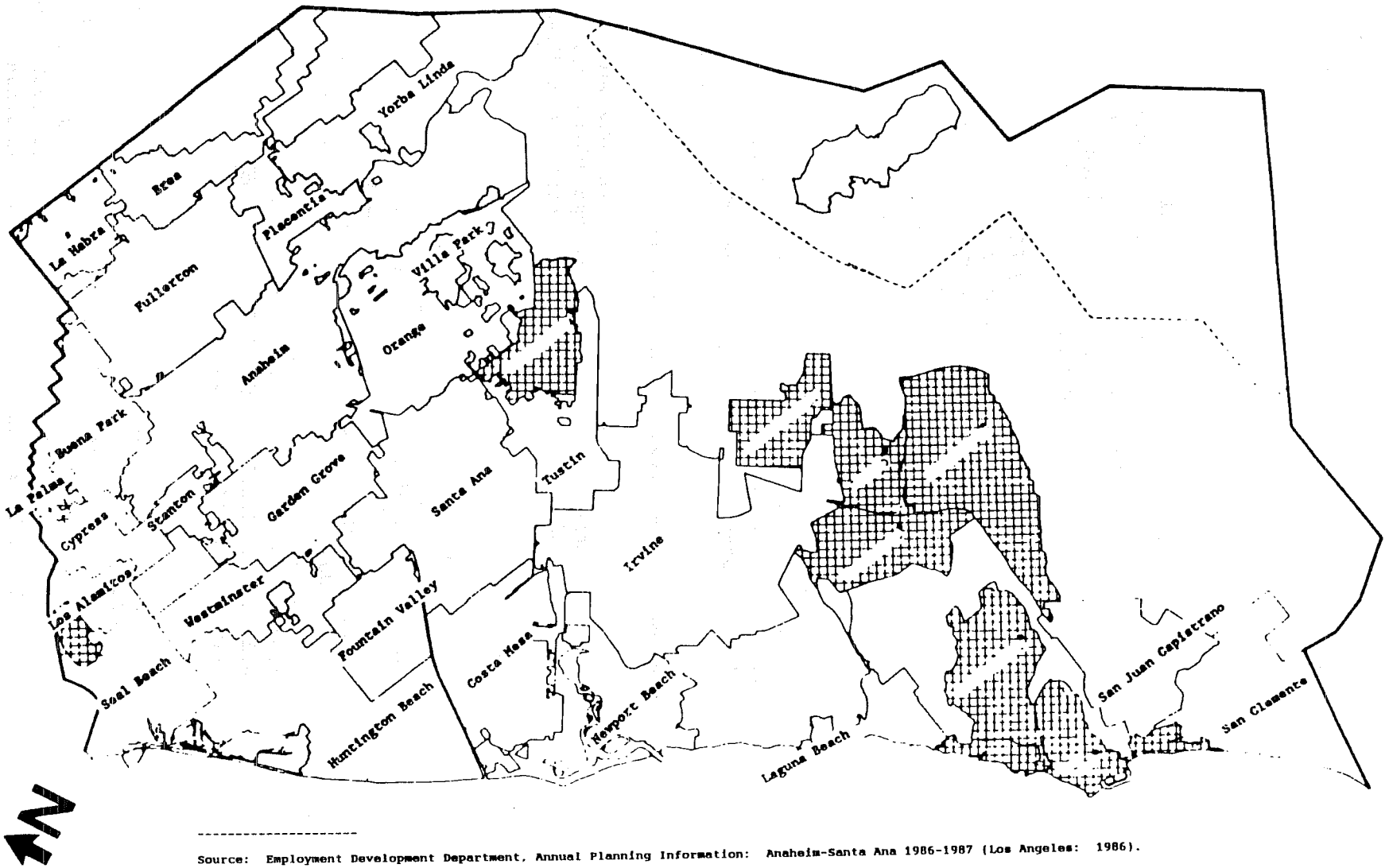
- Demographics

  Orange County population in July 1980 was 1,942,200, an increase of 35.6 percent from 1970. The compound annual growth rate between 1970 and 1980 in the nation was 1.1 percent compared to 1.7 percent in California and 3.1 percent in the county. The estimated 1986 population of the county was 2,171,200. A net in-migration accounted for 69.6 percent of population growth between 1970 and 1980 and 43.3 percent of population growth between 1980 and 1986. In 1980 the population density was 955.1 persons per square kilometer (2,473.8 persons per square mile).

  Santa Ana is the county seat. In January 1980, Santa Ana's population was estimated at 201,700, an increase of 29.5 percent from 1970. The city's residents accounted for about 10.5 percent of the county's population in 1980. The estimated 1986 population of Santa Ana was 225,800. Anaheim is the county's largest city, with an estimated 1980 population of 217,400 (11.3 percent of the county's population).

Figure 3-1

Orange County



Source: Employment Development Department, Annual Planning Information: Anaheim-Santa Ana 1986-1987 (Los Angeles: 1986).

The county's population is projected to be 3,044,000 in 2020, an increase of 56.7 percent from 1980. The compound annual rate of growth over this 40-year period is projected to be 1.1 percent, compared to a projected 1.3 percent for California.

- Economics

In 1980, the labor force was 1,115,100 with an unemployment rate of 4.3 percent. Unemployment in 1975 reached 9.3 percent. The decline in the unemployment rate in the county from 1983 (7.1 percent) through 1985 (4.4 percent) followed the trend in the state and the nation, although the county unemployment rate remained lower than that of the state and the nation during this time.

Personal income (in 1986 dollars) by place of residence was $32,367.1 million for the county in 1980. This amounted to $16,665 per person living in the county, or 108.1 percent of the per capita income for California and 126.4 percent of that of the U.S. in 1980.

Earnings (in 1986 dollars) by place of employment was $20,413.9 million in 1980. In 1980, the predominant contributors to earnings were manufacturing with 29.2 percent of the county total, service industries with 20.5 percent, retail trade with 11.7 percent, and government with 11.6 percent. By 1984, the primary contributors to earnings were again manufacturing (28.3 percent), service industries (23.7 percent), and retail trade (11.3 percent).

In 1980, employment (excluding farms and timber harvesting) in the county was 892,414, including 25.6 percent in manufacturing, 19.3 percent in service industries, 18.6 percent in retail trade, and 11.8 percent in government. In 1984, manufacturing was again the predominant sector providing employment (24.4 percent), followed by service industries (22.1 percent) and retail trade (17.8 percent).

In 1980, there were an estimated 579 farms with 12,079 part-time, seasonal, and full-time employees. Primary agricultural commodities in terms of 1985 sales were, in rank order, nursery stock and cut flowers, strawberries, and Valencia oranges.

- Housing

The housing stock in Orange County grew 55.9 percent between 1970 and 1980, from 462,777 units to 721,570. Single family units accounted for 61.7 percent of the units in 1980, and owner occupied units accounted for 60.5 percent of the units.

In 1986, there were about 2,740 campsites in 19 campgrounds in the county. The number of hotel/motel rooms in the county in 1985 was estimated at about 21,845.

- Public Services and Facilities

  Police protection (1.60 sworn officers per 1,000 residents in 1985) in the county is provided by the Sheriff's Department and the city Police Departments. Fire protection (1.21 fire fighters per 1,000 residents in 1986) is provided by 25 fire departments and/or districts and community service districts.

  There are 41 water systems in the county each with 200 or more connections. In 1986, over 96 percent of the population was served by these water systems. The remainder of the population is served by water systems each having fewer than 200 connections. Imported and ground water are the sources of water used.

  Four of the 12 existing sewage treatment facilities were operating in 1986 at 100 percent or more of capacity. Expansion of three of these four facilities as well as three others is planned by 2000. One additional facility is also planned to be operational by 2000.

  There are five municipal landfills in the county. Current landfill capacity is projected to be exceeded in 1996 unless expansion of the existing facilities occurs or a new landfill is built.

  There are 30 school districts in the county. Enrollment in the 1980-81 school year was 344,371. Public school enrollment is projected to be 387,241 in the 1995-96 school year, or 12.4 percent more than in 1980-81.

- Public Finance

  Total city and county revenue totaled $1,205.9 million (in 1986 dollars) in fiscal year 1980, while total city and county expenditures were $1,178.3 million. The cities of Anaheim, Fountain Valley, Fullerton, Garden Grove, Huntington Beach, Placentia, San Clemente, Seal Beach, and Stanton experienced fiscal shortfalls during fiscal year 1980.

- Energy Consumption

  Electricity in Orange County is provided by the city of Anaheim, Southern California Edison, and San Diego Gas and Electric. Southern California Gas provides natural gas in Orange County.

- Land Use

  About 47.5 percent of the county's area is in the incorporated area and 52.5 percent is in the unincorporated area. Within the unincorporated area, 34.1 percent of the total area of the county is open space. The federal government owns or leases about 15.9 percent of the county's land area.

- Other Characteristics

  There are several small harbors along the coastline of Orange County which provide port facilities for commercial fishing vessels and recreational boat owners. In 1980 commercial fish landings for all ports totaled approximately 0.5 million pounds. The value of landings for all ports in Orange County in 1980 is not available.

3.3 Demographic Profile

3.3.1 Population

The July 1980 population in Orange County was estimated at 1,942,200 (see Table 3-1). The county accounted for about 8.2 percent of California population in 1980, compared to 7.1 percent in 1970 and 8.1 percent in 1985. The county ranked 2nd (behind Los Angeles County) out of the 58 California counties in terms of population size in 1970 and 1980. In 1985, the county's population was estimated to be slightly smaller than San Diego County, dropping it to 3rd place in terms of population size in California.

Orange County's population increased 35.6 percent between 1970 and 1980. The percentage change in county population was greater between 1970 and 1975 (19.7 percent) than between 1975 and 1980 (13.4 percent). The compound rate of annual growth between 1970 and 1980 was 1.1 percent in the nation compared to 1.7 percent during the same time in the state and 3.1 percent in the county. The population growth rate in the county during this 10-year period was 2nd among the three counties in the Southern California Planning Area considered in this study and just slightly less than the annual compound growth rate for San Diego County (3.2 percent). In 1985, the county's population was estimated at 2,127,600, an increase of 9.5 percent from 1980. The county's 1986 population was estimated at 2,171,200 (see Table 3-1). The compound rate of annual growth between 1980 and 1986 was 1.9 percent. Annual population estimates from 1970 to 1986 are provided in the data supplement (see Table DS 3-2). (Note: Tables numbered with the prefix DS are found in the data supplement at the end of this section.)

Percentage changes in population for 5-year intervals between 1970 and 1985 for the United States, California, and Orange County are shown in Figure 3-2. Between each of the 5-years shown in Figure 3-2, the percentage change in population in the county was greater than that of the nation, particularly between 1970 and 1975. Only between 1980 and 1985 was the percentage change in population in Orange County below that of the state.

County population is primarily civilian. In each year specified in Table 3-1, 1.1 percent or less of the population was counted as military (see Table 3-1).

Most of the population in Orange County lives in cities. (It should be noted that the 1975 to 1986 population data for the cities shown in Table 3-1 are estimates as of January 1, the only period for which the California Department of Finance makes city population estimates. The

Table 3-1

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Population												
Total - July 1 for 1970-2020	1,431,900	1,713,400	19.7	1,942,200	13.4	1,994,600	2,026,900	2,062,200	2,087,800	2,127,600	9.5	2,171,200
Total - January 1 for 1975-2020, and April 1 for 1970	1,421,233	1,691,500	19.0	1,919,400	13.5	1,972,700	2,002,200	2,037,100	2,063,900	2,110,600	10.0	2,145,700
Anaheim (a)	166,408	194,900	17.1	217,400	11.5	225,100	226,200	229,200	232,700	237,300	9.2	237,500
Brea	18,447	21,400	16.0	27,050	26.4	29,800	31,050	31,400	31,850	32,450	20.0	32,800
Buena Park	63,646	61,600	-3.2	64,200	4.2	64,100	63,800	64,600	65,100	65,500	2.0	65,700
Costa Mesa (a)	72,660	75,500	3.9	81,900	8.5	83,300	84,500	85,600	85,900	87,100	6.3	88,100
Cypress	31,569	39,550	25.3	40,200	1.6	40,300	40,350	42,250	42,450	42,600	6.0	42,600
Fountain Valley	31,886	52,100	63.4	55,000	5.6	54,900	54,600	54,800	55,000	55,600	1.1	55,100
Fullerton	85,987	92,100	7.1	101,700	10.4	103,500	104,300	105,200	107,300	108,900	7.1	109,300
Garden Grove	121,155	119,000	-1.8	122,700	3.1	126,000	126,100	127,600	129,500	131,800	7.4	132,800
Huntington Beach (a)	115,960	149,900	29.3	169,700	13.2	172,800	175,700	178,700	179,700	181,900	7.2	184,300
Irvine (a)	NA	31,750	NA	60,600	90.9	65,400	70,400	73,100	76,400	81,200	34.0	88,700
Laguna Beach (a)	14,550	16,000	10.0	17,750	10.9	18,000	18,200	18,400	18,400	18,650	5.1	18,650
La Habra	41,350	42,700	3.3	45,000	5.4	46,100	46,500	47,150	47,550	47,950	6.6	48,200
La Palma	9,687	14,550	50.2	15,350	5.5	15,700	15,450	15,550	15,900	16,150	5.2	16,100
Los Alamitos	11,346	10,950	-3.5	11,250	2.7	11,350	11,650	11,700	11,550	11,750	4.4	11,950
Newport Beach (a)	49,582	61,600	24.2	62,400	1.3	65,200	64,700	65,700	66,100	66,900	7.2	67,100
Orange	77,365	82,100	6.1	91,000	10.8	94,300	94,500	96,200	97,500	99,800	9.7	101,600
Placentia	21,948	30,850	40.6	34,950	13.3	35,650	36,650	37,150	37,400	37,850	8.3	38,350
San Clemente (a)	17,063	20,850	22.2	27,050	29.7	27,750	28,100	28,850	29,450	30,500	12.8	31,950
San Juan Capistrano	3,781	12,100	220.0	18,800	55.4	19,700	20,300	20,900	21,450	22,000	17.0	22,500
Santa Ana (a)	155,710	177,400	13.9	201,700	13.7	209,800	214,500	219,000	220,900	224,100	11.1	225,800
Seal Beach (a)	24,441	26,800	9.7	25,950	-3.2	26,150	25,950	26,100	26,350	26,900	3.7	27,350

Table 3-1 (Cont.)

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Stanton	18,186	23,250	27.8	23,800	2.4	22,200	25,200	26,000	26,250	28,000	17.6	27,900
Tustin	22,190	28,850	30.0	32,250	11.8	36,950	38,650	39,750	40,300	41,250	27.9	42,750
Villa Park	2,723	6,250	129.5	7,150	14.4	7,125	7,125	7,150	7,125	7,075	-1.0	6,975
Westminster	60,076	66,300	10.4	71,000	7.1	71,400	71,400	72,100	72,600	73,000	2.8	73,000
Yorba Linda	11,856	22,250	87.7	27,950	25.6	29,600	31,100	32,000	33,900	36,550	30.8	39,150
City Total	1,249,572	1,480,600	18.5	1,653,800	11.7	1,702,175	1,726,975	1,756,150	1,778,625	1,812,775	9.6	1,836,225
Unincorporated	171,661	210,900	22.9	265,600	25.9	270,525	275,225	280,950	285,275	297,825	12.1	309,475
Urban *	1,404,325	1,665,534	18.6	1,926,743	15.7	NA	NA	NA	NA	NA	NA	NA
Rural *	16,061	11,014	-31.4	5,966	-45.8	NA	NA	NA	NA	NA	NA	NA
Civilian	1,416,700	1,703,300	20.2	1,931,000	13.4	1,982,600	2,014,300	2,050,800	2,075,700	2,114,000	9.5	2,158,700
Density/Sq. Km.	704.2	842.6	19.7	955.1	13.4	980.9	996.8	1014.2	1026.7	1046.3	9.5	1,067.8
(Density/Sq. Mi.)	(1,823.8)	(2,182.4)	(19.7)	(2,473.8)	(13.4)	(2,540.6)	(2,581.7)	(2,626.7)	(2,659.3)	(2,710.0)	(9.5)	(2,765.5)
Age												
Under 18 *	523,087	525,552	0.5	528,017	0.5	530,673	533,330	535,986	538,643	541,299	2.5	545,002
65 and Over *	98,431	130,074	32.1	161,716	24.3	168,511	175,306	182,101	188,896	195,691	21.0	206,226
Median *	26.2	27.8	6.3	29.5	5.9	29.8	30.1	30.5	30.8	31.1	5.6	31.6
Median Head of Household *	42.1	42.0	-0.2	41.9	-0.2	NA	NA	NA	NA	NA	NA	NA
Households												
Number *	436,120	562,660	29.0	689,200	22.5	701,540	713,880	726,220	738,560	750,900	9.0	770,540
Median Size *	3.21	3.00	-6.7	2.78	-7.2	2.78	2.79	2.79	2.80	2.80	0.7	2.78
Education												
Median School Years Completed *	12.6	12.8	1.6	13.0	1.6	NA	NA	NA	NA	NA	NA	NA

Table 3-1 (Cont.)

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Civilian Labor Force												
Employment	544,313	717,100	NA	1,067,000	48.8	1,113,100	1,113,100	1,024,300	1,096,900	1,133,200	6.2	NA
Employment Rate	94.6	90.7	NA	95.7	5.5	95.3	92.8	92.9	95.3	95.6	-0.1	NA
Unemployment	31,257	73,400	NA	48,000	-34.6	54,600	86,700	77,800	54,000	51,600	7.5	NA
Unemployment Rate	5.4	9.3	NA	4.3	-53.8	4.7	7.2	7.1	4.7	4.4	2.3	NA
Labor Force	575,570	790,500	NA	1,115,100	41.1	1,167,700	1,215,900	1,102,300	1,150,900	1,184,800	6.3	NA
Place of Employment												
Inside County *	376,470	534,288	41.9	692,106	29.5	NA	NA	NA	NA	NA	NA	NA
Outside County *	135,616	157,326	16.0	179,035	13.8	NA	NA	NA	NA	NA	NA	NA
Employment Participation Ratio *	60.5	64.6	6.7	68.6	6.3	NA	NA	NA	NA	NA	NA	NA
Income												
Total Personal	$17,159,955,400	$21,846,858,200	27.3	$32,367,146,000	48.2	$33,537,280,000	$33,856,228,400	$34,847,640,900	$37,134,980,000	NA	NA	NA
Per Capita	$11,984	$12,751	6.4	$16,665	30.7	$16,814	$16,703	$16,898	$17,787	NA	NA	NA
Median Household	NA	$23,747	NA	$20,736	-12.7	$20,314	$20,443	$20,520	$20,934	NA	NA	NA

Table 3-1 (Cont.)

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

haracteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
ousing												
Total Units	462,777	605,871	30.9	721,570	19.1	735,043	746,091	752,389	760,118	773,417	7.2	788,561
Year Round *	462,367	591,134	27.8	719,900	21.8	NA	NA	NA	NA	NA	NA	NA
Seasonal *	410	1,012	146.8	1,614	59.5	NA	NA	NA	NA	NA	NA	NA
Occupied *	436,120	561,194	28.7	686,267	22.3	NA	NA	NA	NA	NA	NA	NA
Owner *	282,047	348,573	23.6	415,098	19.1	NA	NA	NA	NA	NA	NA	NA
% Owner *	64.7	62.6	-3.2	60.5	-3.3	NA	NA	NA	NA	NA	NA	NA
Renter *	154,073	212,621	38.0	271,169	27.5	NA	NA	NA	NA	NA	NA	NA
% Renter *	35.3	37.4	5.9	39.5	5.6	NA	NA	NA	NA	NA	NA	NA
Vacancy Rate	5.7	5.5	-3.1	4.9	-10.9	4.9	4.4	4.3	3.9	3.8	-22.4	3.5
iles of Public Roads	4,312	4,857	12.6	5,339	9.9	5,379	5,272	5,412	5,451	5,537	3.7	NA

Table 3-1 (Cont.)

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Population													
Total - July 1 for 1970-2020	2,302,100	8.2	2,463,800	7.0	2,599,200	5.5	2,718,800	4.6	2,833,800	4.2	2,944,800	3.9	3,044,000
Total - January 1 for 1975-2020, and April 1 for 1970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anaheim (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brea	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Buena Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Costa Mesa (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cypress	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fountain Valley	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fullerton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Garden Grove	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Huntington Beach (a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Irvine (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Laguna Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Habra	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Palma	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Los Alamitos	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Newport Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orange	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Placentia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Clemente (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Juan Capistrano	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Santa Ana (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Seal Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-1 (Cont.)

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

haracteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Stanton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tustin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Villa Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Westminster	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yorba Linda	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
City Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unincorporated	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Urban *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Civilian	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Density/Sq. Km.	1,132.1	8.2	1,211.7	7.0	1,278.2	5.5	1,337.1	4.6	1,393.6	4.2	1,448.2	3.9	1,497.0
(Density/Sq. Mi.)	(2,932.2)	(8.2)	(3,138.2)	(7.0)	(3,310.7)	(5.5)	(3,463.0)	(4.6)	(3,609.5)	(4.2)	(3,750.9)	(3.9)	(3,877.2)
ge													
Under 18 *	559,812	3.4	609,420	8.9	611,712	0.4	610,946	-0.1	610,179	-0.1	609,413	-0.1	608,646
65 and Over *	248,364	26.9	295,328	18.9	337,189	14.2	396,323	17.5	455,456	14.9	514,590	13.0	573,723
Median *	33.3	7.0	35.4	6.3	37.6	6.2	38.5	2.3	39.3	2.3	40.2	2.2	41.1
Median Head of Household *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ouseholds													
Number *	849,100	13.1	929,000	9.4	1,009,100	8.6	NA	NA	NA	NA	NA	NA	NA
Median Size *	2.68	-4.3	2.62	-2.2	2.55	-2.7	NA	NA	NA	NA	NA	NA	NA
lucation													
Median School Years Completed *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-1 (Cont.)

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Civilian Labor Force													
Employment	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Employment Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Labor Force	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Place of Employment													
Inside County *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Outside County *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Employment Partici-pation Ratio *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Income													
Total Personal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Per Capita	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Median Household	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-1 (Cont.)

Socioeconomic Profile of Orange County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Housing													
Total Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Year Round *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Seasonal *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Occupied *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Owner *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% Owner *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Renter *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% Renter *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vacancy Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miles of Public Roads	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

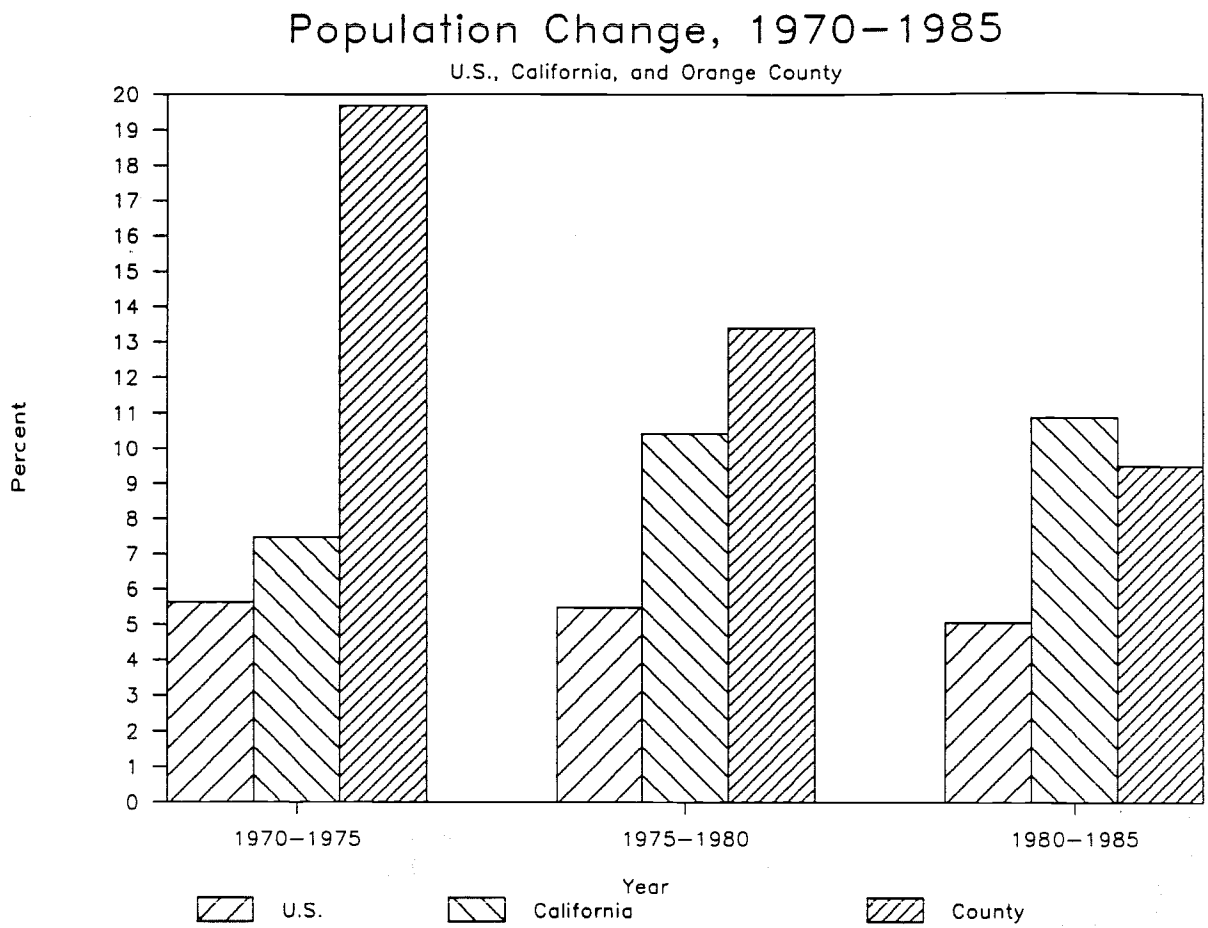
Source: See Table 3-31, Key to the References, and References at the end of the profile.

(a) - Indicates a city which is subject to the Coastal Zone Management Program, is the county seat, and/or the county's largest city.

* - One or more data points estimated using a straight line projection. See Key to the References and References at the end of the profile to locate specific estimated data points.

NA - Not available.

Figure 3-2



Source: California Department of Finance, California Statistical Abstract (Sacramento: 1986).

1970 city population data are U.S. Bureau of the Census estimates and represent population as of April 1.) In 1980, 86.2 percent (1,653,800 people) of the county's population lived in the county's cities compared to 87.9 percent (1,249,572 people) in 1970. In 1986, the proportion of the population living in cities was 85.6 percent. Santa Ana is the county seat with an estimated population in January 1980 of 201,700. Anaheim is the county's most populous city, with an estimated population in January 1980 of 217,400. The population in cities and the unincorporated area of the county from 1970 to 1986 is shown in Figure 3-3.

Table 3-2 compares selected population characteristics of Orange County cities for 1970 and 1980. Huntington Beach experienced the greatest absolute increase in population between 1970 and 1980 (54,545 people), while San Juan Capistrano experienced the greatest percentage increase in population (401.4 percent).

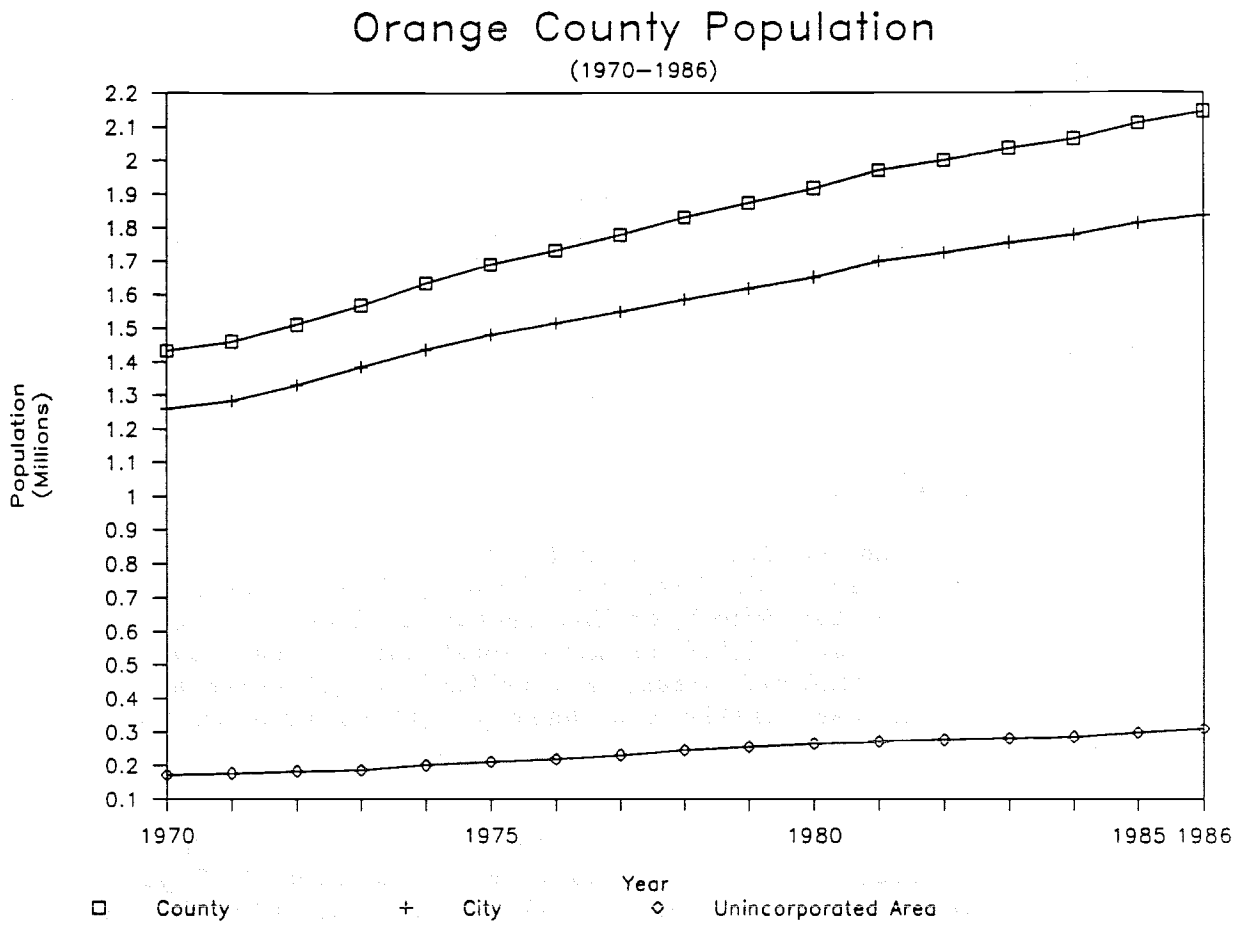
Virtually all of the population lives in the urban areas of the county--over 98.0 percent in both 1970 and 1980. Urban population is a designation used by the Bureau of the Census to identify population in incorporated places with 2,500 or more inhabitants, the Bureau of the Census designated urbanized areas, and delineated unincorporated areas. The urban area is essentially the densely settled area in and around cities.

Table 3-3 shows the racial/ethnic composition of the population in Orange County in 1970 and 1980. The county's population in both years was predominantly white, but the proportion decreased from 97.3 percent in 1970 to 87.2 percent in 1980. Blacks and Japanese accounted for the next largest racial/ethnic group in the county in 1970 (0.7 percent each). In 1980, the next largest racial/ethnic group in the county (5.9 percent) was in the "other, not elsewhere classified" category. In 1980, 14.8 percent of the population was of Spanish/Hispanic origin.

Table 3-1 includes the most recent population projection (1986) for the county in 5-year intervals to the year 2020. Population growth in the county between 1975 and 2020 is also shown in Figure 3-4. In 2020, the county's population is projected to be 3,044,000. This represents a 56.7 percent increase from 1980 and a compound annual growth rate of 1.1 percent between 1980 and 2020. The population in California is projected to increase by 66.6 percent during the same time, for a compound growth rate of 1.3 percent per year. Based on these projections, Orange County will account for 7.7 percent of the state's population and will rank 3rd among the 58 counties in terms of population size in 2020. It will be the 3rd largest county in the Southern California Planning Area considered in this study in terms of population.

An increase in population will result in an increase in the population density (i.e., the number of persons per square kilometer). In 1980, population density in the county was estimated at 955.1 persons per square kilometer (2,473.8 persons per square mile). In 2020, density in the county is projected to increase to 1,497.0 persons per square kilometer (3,877.2 persons per square mile).

Figure 3-3



Source: California Department of Finance, State and County Population Estimates to July 1, 1986 (Sacramento: 1987).

California Department of Finance, Population Estimates for California Cities and Counties 1970 through 1980 (Sacramento: 1984).

California Department of Finance, California Statistical Abstract (Sacrmaneto: 1981-1986).

Table 3-2

Summary of Population Characteristics of Orange County Cities, 1970 and 1980

City/County	Total Population 1970	Total Population 1980	Total Population Absolute Change 1970-1980	% Under 18 Years 1970	% Under 18 Years 1980	% Under 18 Years Absolute Change 1970-1980	% 18 to 64 Years 1970	% 18 to 64 Years 1980	% 18 to 64 Years Absolute Change 1970-1980
Anaheim	166,408	219,311	52,903	35.0	26.5	(8.5)	58.9	65.7	6.8
Brea	18,447	27,913	9,466	39.8	27.4	(12.4)	54.5	66.2	11.7
Buena Park	63,646	64,165	519	41.7	28.9	(12.8)	54.7	65.5	10.8
Costa Mesa	72,660	82,562	9,902	34.5	21.8	(12.7)	58.4	70.4	12.0
Cypress	31,569	40,391	8,822	45.6	31.7	(13.9)	52.5	64.4	11.9
Fountain Valley	31,886	55,080	23,194	45.5	33.9	(11.6)	52.1	62.0	9.9
Fullerton	85,987	102,034	16,047	34.2	24.2	(10.0)	59.2	67.8	8.6
Garden Grove	121,155	123,307	2,152	39.4	28.3	(11.1)	55.9	64.4	8.5
Huntington Beach	115,960	170,505	54,545	40.3	27.9	(12.4)	55.8	66.3	10.5
Irvine	NA	62,134	NA	NA	28.5	NA	NA	67.8	NA
Laguna Beach	14,550	17,901	3,351	20.6	16.6	(4.0)	61.3	69.8	8.5
La Habra	41,350	45,232	3,882	36.9	26.3	(10.6)	57.6	65.1	7.5
La Palma	9,687	15,399	5,712	45.8	33.8	(12.0)	52.6	63.8	11.2
Los Alamitos	11,346	11,529	183	41.3	26.4	(14.9)	54.0	65.2	11.2
Newport Beach	49,582	62,556	12,974	25.4	17.0	(8.4)	64.7	71.3	6.6
Orange	77,365	91,788	14,423	37.9	28.1	(9.8)	55.7	64.0	8.3
Placentia	21,948	35,041	13,093	44.5	32.8	(11.7)	51.8	62.5	10.7
San Clemente	17,063	27,325	10,262	27.2	19.9	(7.3)	55.4	65.2	9.8
San Juan Capistrano	3,781	18,959	15,178	32.9	28.0	(4.9)	54.8	60.0	5.2
Santa Ana	155,710	203,713	48,003	37.6	30.6	(7.0)	54.9	62.0	7.1
Seal Beach	24,441	25,975	1,534	18.9	14.1	(4.8)	43.3	50.7	7.4
Stanton	18,186	23,723	5,537	38.1	27.6	(10.5)	56.0	62.1	6.1
Tustin	22,190	32,317	10,127	29.4	23.2	(6.2)	65.2	69.1	3.9
Villa Park	2,723	7,137	4,414	47.3	36.0	(11.3)	49.3	61.3	12.0
Westminster	60,076	71,133	11,057	42.1	29.2	(12.9)	53.7	63.4	9.7
Yorba Linda	11,856	28,254	16,398	42.3	34.1	(8.2)	54.5	62.0	7.5
County	1,421,233	1,932,709	511,476	36.8	27.2	(9.6)	56.2	64.5	8.3

Table 3-2 (Cont.)

Summary of Population Characteristics of Orange County Cities, 1970 and 1980

City/County	% 65 Years and Over 1970	% 65 Years and Over 1980	% 65 Years and Over Absolute Change 1970-1980	Median Age 1970	Median Age 1980	Median Age Absolute Change 1970-1980	Persons Per Household 1970	Persons Per Household 1980	Persons Per Household Absolute Change 1970-1980
Anaheim	6.1	7.7	1.6	26.3	28.7	2.40	3.10	2.71	(0.4)
Brea	5.7	6.3	0.6	26.0	30.0	4.00	3.55	2.81	(0.7)
Buena Park	3.6	5.6	2.0	23.5	27.8	4.30	3.65	2.99	(0.7)
Costa Mesa	7.1	7.8	0.7	26.5	28.7	2.20	2.92	2.46	(0.5)
Cypress	1.8	3.8	2.0	22.2	28.7	6.50	3.98	3.18	(0.8)
Fountain Valley	2.4	4.1	1.7	22.8	29.6	6.80	3.96	3.33	(0.6)
Fullerton	6.6	8.0	1.4	26.9	29.1	2.20	3.14	2.64	(0.5)
Garden Grove	4.7	7.4	2.7	24.9	28.7	3.80	3.44	2.93	(0.5)
Huntington Beach	3.8	5.9	2.1	25.1	28.7	3.60	3.43	2.78	(0.7)
Irvine	NA	3.7	NA	NA	29.4	NA	NA	2.77	NA
Laguna Beach	18.0	13.6	(4.4)	37.4	35.0	(2.40)	2.19	2.08	(0.1)
La Habra	5.5	8.5	3.0	26.0	29.4	3.40	3.26	2.72	(0.5)
La Palma	1.6	2.3	0.7	23.5	27.8	4.30	4.08	3.34	(0.7)
Los Alamitos	4.7	8.4	3.7	23.2	30.0	6.80	3.58	2.81	(0.8)
Newport Beach	9.8	11.7	1.9	32.7	36.4	3.70	2.55	2.23	(0.3)
Orange	6.4	7.8	1.4	25.7	29.1	3.40	3.29	2.83	(0.5)
Placentia	3.7	4.7	1.0	22.4	28.3	5.90	3.86	3.24	(0.6)
San Clemente	17.5	14.9	(2.6)	32.8	33.6	0.80	2.64	2.32	(0.3)
San Juan Capistrano	12.3	12.0	(0.3)	32.9	32.3	(0.60)	3.02	2.71	(0.3)
Santa Ana	7.5	7.4	(0.1)	24.9	26.2	1.30	3.24	3.12	(0.1)
Seal Beach	37.9	35.1	(2.8)	49.8	49.1	(0.70)	2.10	1.91	(0.2)
Stanton	5.9	10.3	4.4	24.4	27.8	3.40	3.33	2.73	(0.6)
Tustin	5.4	7.6	2.2	26.9	28.1	1.20	2.68	2.43	(0.3)
Villa Park	3.5	2.7	(0.8)	19.3	30.8	11.50	4.20	3.88	(0.3)
Westminster	4.1	7.4	3.3	23.7	29.3	5.60	3.59	2.97	(0.6)
Yorba Linda	3.2	3.9	0.7	24.3	29.2	4.90	3.75	3.26	(0.5)
County	6.9	8.3	1.4	26.2	29.5	3.30	3.21	2.78	(0.4)

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.

U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, General Population Characteristics, part 6.

U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, Characteristics of the Population, Chapter A, Number of Inhabitants.

NA - Not available.

Note: Negative numbers are expressed in parentheses.

Table 3-3

Racial/Ethnic Composition, Orange County
1970 and 1980

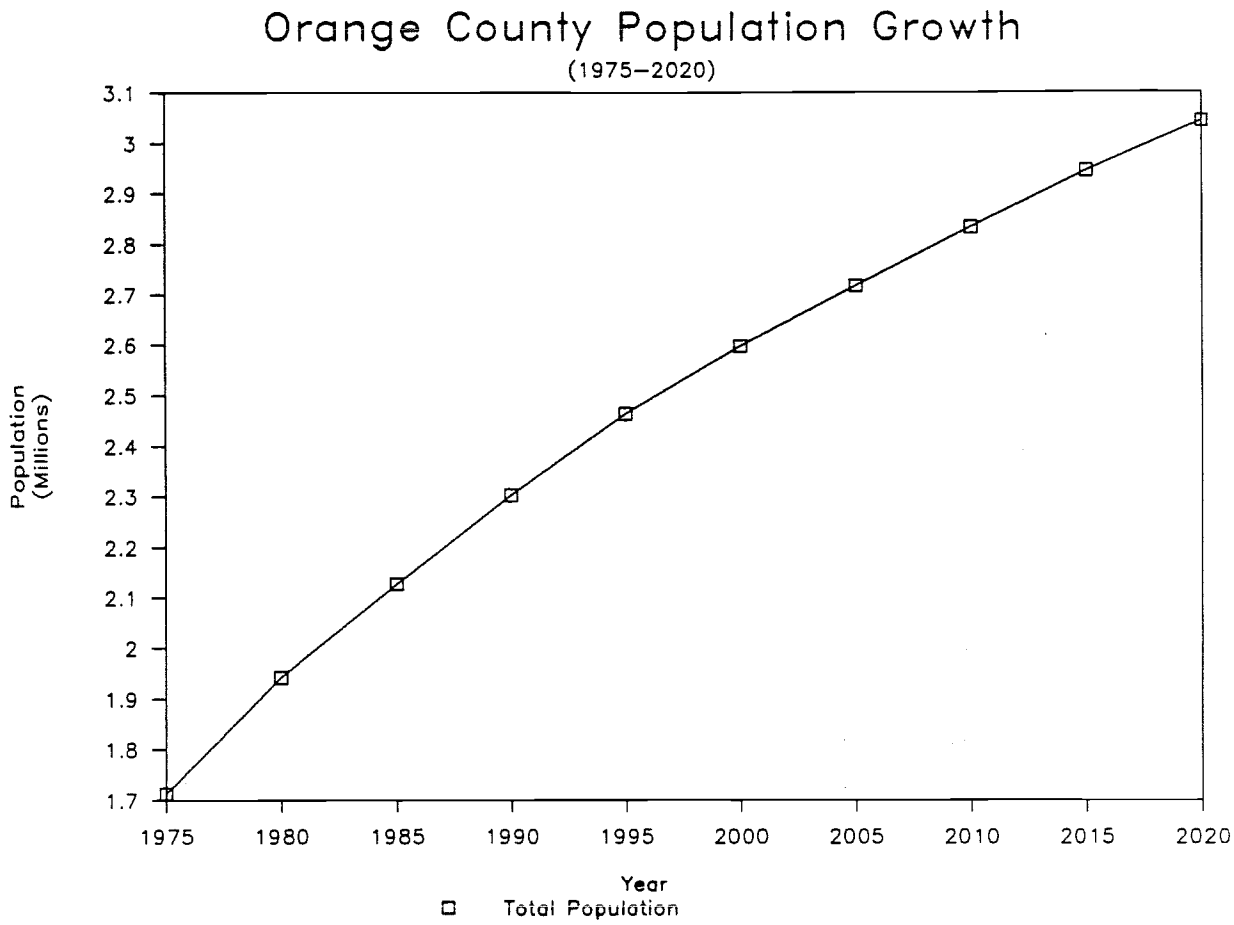
Racial/Ethnic Group	1970 Number	1970 Percent	1980 Number	1980 Percent
White	1,381,742	97.3	1,684,906	87.2
Black	10,179	0.7	24,560	1.3
American Indian	3,920	0.3	16,445	0.9
Eskimo	(a)	(a)	88	0.0
Aleut	(a)	(a)	53	0.0
Japanese	10,645	0.7	21,841	1.1
Chinese	2,832	0.2	14,575	0.8
Filipino	3,141	0.2	11,136	0.6
Korean	(a)	(a)	10,622	0.5
Asian Indian	(a)	(a)	5,222	0.3
Vietnamese	(a)	(a)	18,033	0.9
Hawaiian	(a)	(a)	2,603	0.1
Guamanian	(a)	(a)	935	0.0
Samoan	(a)	(a)	1,820	0.1
Other, Not Elsewhere Classified	7,927	0.6	6,704	0.3
	(a)	(a)	113,166	5.9
Total	1,420,386	100.0	1,932,709	100.0

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.
U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, General Population Characteristics, part 6.

(a) - Not identified as a separate category in 1970.

Note: In Orange County, 14.8 percent of the population was of Spanish/Hispanic origin in 1980. Persons of Spanish/Hispanic origin are those who identified themselves as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other hispanic origin or descent. They may be of any race, and thus, are included in both black and white population groups. The 1980 data on Spanish/Hispanic origin are not directly comparable to the 1970 data on Spanish/Hispanic origin due to changes in the format and coverage of the 1980 Census.

Figure 3-4



Source: California Department of Finance, Projected Total Population of California Counties July 1, 1985 to July 1 2020 (Sacramento: 1986).
California Department of Finance, California Statistical Abstract (Sacramento: 1985).

3.3.2 Age

Figure 3-5 shows the age structure at 5-year intervals for Orange County for the period 1970 to 2020. In 1980, 27.2 percent of the population was under age 18 years, while 64.5 percent was 18 to 64 years old and 8.3 percent was 65 years old and over. The highest proportion of under 18 year olds in 1980 was in Villa Park (36.0 percent), the highest proportion of 18 to 64 years in 1980 was in Newport Beach (71.3 percent) and the highest proportion of those over 64 years old was in Seal Beach (35.1 percent, see Table 3-2). During the 1970's the proportion of the population in the county under age 18 years decreased while the proportion of the population age 18 to 64 years and 65 and over increased (see Table 3-2). In 2020, 20.2 percent of the population is projected to be under 18 years of age, 60.8 percent is projected to be between 18 and 64 years old, and 19.0 percent is projected to be over 64 years old. Estimates of age by grouped years for the period 1970 to 2020 are included in the data supplement (see Table DS 3-3). The county percentages discussed above are based on this table. (Note: The population projections shown in Table 3-1 and the population projections associated with the age projections in Table 3-1 and also shown in Table DS 3-3 are from different source documents although both were prepared by the California Department of Finance. The population projections published in 1986 and the age projections published in 1983 represent the most recent available information from the State of California.)

Median age in the county in 1980 was estimated at 29.5 years compared to 26.2 years in 1970 (see Table 3-1). By 2020, however, median age in the county is projected to increase to 41.1 years. Median age in California is projected to increase from 29.9 years in 1980 to 38.1 years in 2020. The highest median age among the county's cities in 1980 was Seal Beach, 49.1 years (see Table 3-2).

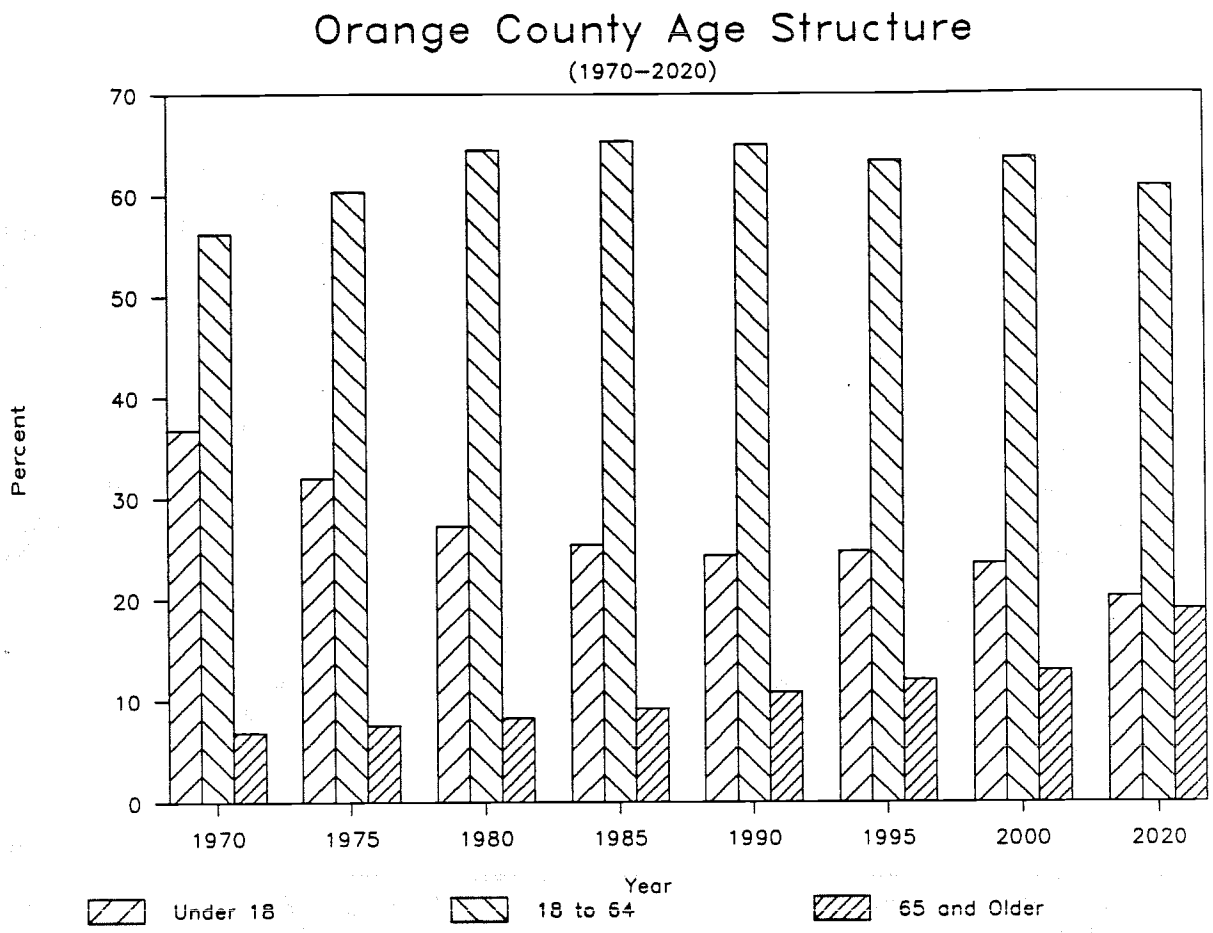
Information on the median age of household heads is limited to 1970 and 1980 and is computed from data provided in the decennial census. Based on this information, during the 1970's the median age of household heads decreased less than 1 percent, from 42.1 years in 1970 to 41.9 years in 1980.

3.3.3 Households

There were an estimated 689,200 households in Orange County in 1980 (see Table 3-1). The number of households in the county increased 58.0 percent between 1970 and 1980 compared to a 35.6 percent increase in population. Although the number of households increased during the 1970's, the median size (i.e., the number of persons per household) decreased from 3.21 persons in 1970 to 2.78 in 1980. This is consistent with the higher rate of change for households than for population during this period. Smaller households result from such things as fewer children per household, and more single person and single parent households.

Estimates of the number of households and the median household size to the year 2000 are included in Table 3-1. The number of households in Orange County is projected to increase to 1,009,100 in 2000. This represents an increase of 46.4 percent in households compared to a 33.8

Figure 3-5



Source: California Department of Finance, Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83 (Sacramento: 1983).

U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population, General Population Characteristics (Washington, D.C.).

percent increase in population. During this same period, the median household size is projected to decrease 8.3 percent, to 2.55 persons in the year 2000.

3.3.4 Migration

Annual net migration (i.e., the excess of in-migration over out-migration) for the period 1970 to 1986 is shown in Table 3-4. A net in-migration accounted for 69.6 percent of population growth between 1970 and 1980 and 43.3 percent of population growth between 1980 and 1986.

Further detail on in-migration and out-migration is limited to records on changes in driver license addresses. These are used by the California Department of Finance to estimate the population between ages 18 and 64 years. While the records on changes in driver license addresses are useful in describing the general migration pattern between California and other states and between California counties, they are subject to misinterpretation. Actual moves could be substantially different from the record processing of the address changes for drivers licenses. The information represents driver license movers only, not total population. For these reasons, the information has not been included as part of the profile. The information can be obtained, however, from the Department of Finance.

3.3.5 Education

Information on median school years completed shown in Table 3-1 is only available for 1970 and 1980 and comes from the decennial census. An estimate for 1975 was made using a straight line interpolation. The median school years completed in Orange County increased from 12.6 years in 1970 to 13.0 years in 1980 (see Table 3-1). This information is for persons age 25 years and older.

3.4 Economic Profile

3.4.1 Labor Force

There is no consistent historical data series for civilian labor force. The data shown in Table 3-1 are from the decennial census for 1970 and the California Employment Development Department for 1975 and 1980 through 1985. Both of these sources report employment by place of residence, but use different methodologies and represent different time periods, and therefore are not directly comparable. For this reason, the percent change in civilian employment between 1970 and 1975 was not calculated. The data for 1975 and 1980 through 1985 are the average annual figures.

In 1980, the labor force in Orange County was 1,115,100, with an employment rate of 95.7 percent, or an unemployment rate of 4.3 percent (see Table 3-1). For the years shown in Table 3-1, employment in the county was at its highest level (1,133,200) in 1985, the employment rate was highest in 1980 (95.7 percent), and the unemployment rate was highest (9.3 percent) in 1975. The decline in the annual unemployment rate in the county from 1983 through 1985 followed the trend in the state and the

Table 3-4

Components of Change in the Population
Orange County, 1970 to 1986

Year	Population		Components of Change			
	Total	Change	Births	Deaths	Natural Increase	Net Migration
1970	1,431,900					
1971	1,486,300	54,400	26,069	8,867	17,202	37,198
1972	1,534,900	48,600	23,183	9,257	13,926	34,674
1973	1,601,800	66,900	23,553	9,783	13,770	53,130
1974	1,669,700	67,900	23,991	9,798	14,193	53,707
1975	1,713,400	43,700	25,009	10,133	14,876	28,824
1976	1,752,100	38,700	25,021	10,585	14,436	24,264
1977	1,811,000	58,900	26,189	10,367	15,822	43,078
1978	1,854,300	43,300	26,841	11,019	15,822	27,478
1979	1,896,400	42,100	28,186	11,336	16,850	25,250
1980	1,942,900	46,500	30,371	11,736	18,635	27,865
Sources use different figures for 1980						
1980	1,943,000					
1981	1,994,600	51,600	32,615	12,095	20,520	31,080
1982	2,026,900	32,300	33,513	12,315	21,198	11,102
1983	2,062,200	35,300	34,178	12,589	21,589	13,711
1984	2,087,800	25,600	33,805	12,787	21,018	4,582
1985	2,127,600	39,800	35,642	13,456	22,186	17,614
1986	2,171,200	43,600	36,621	13,736	22,885	20,715

Source: California Department of Finance, Estimates of Population of California Counties with Components of Change 1970 to 1980, Report CC 70-80-#2 (Sacramento: July 1986).
California Department of Finance, Total, Military and Civilian Population and Crude Rates, Report E-6A (Sacramento: January 21, 1987).

nation, although the rate remained lower than the state and the nation during this time (see Figure 3-6).

The employment participation ratio is the employed civilian population age 16 and over as a percent of the civilian noninstitutional population age 16 and over. The 1970 and 1980 employment participation ratios were calculated using data from the decennial censuses. (The 1980 employment data in Table 3-1 are from the California Economic Development Department and not from the decennial census. Thus, calculating the employment participation ratio using the data in Table 3-1 will yield a different ratio than the one presented.) The 1975 ratio was estimated as the midpoint between the census years. The employment participation ratio increased from 60.5 percent in 1970 to 68.6 percent in 1980. The 1980 employment participation ratio was higher in the county than in the state (61.0 percent) and the nation (63.8 percent) during the same year.

Information on employment by occupation in Orange County is presented for 1970 and 1980 in Table 3-5 and Figures 3-7 and 3-8. Of the 974,845 employed persons in the county in 1980, 33.3 percent were in technical, sales and administrative occupations, 28.9 percent were classified as managers and professionals, 13.5 percent were operators, fabricators and laborers, 12.1 percent were involved in precision production, craft or repair operations, 11.0 percent were in service occupations, and 1.2 percent were classified as farming, forestry, and fishing occupations. The total number of employed persons in the county reported in Table 3-5 differs from the total number of employed persons presented in Table 3-1. These data come from different tables in the Census of Population.

Employment by occupation classifications was only collected for the decennial census years of 1970 and 1980. The 1970 and 1980 data are presented using different occupational classifications and are not comparable. During this period significant revisions were made by the Bureau of the Census in the occupational classifications used. Occupation descriptions for both years are included in the Table 3-5.

3.4.2 Income

Total personal income is presented in Table 3-1 for 1970, 1975, and 1980 through 1984. Total personal income includes all income received by residents of the county and consists of wages and salaries, other labor income, government transfer payments, dividends, interest and rent, and proprietor's income. These data are specifically adjusted to reflect wages and salaries by place of residence rather than place of employment.

Total personal income in 1980 was $32,367.1 million or $16,665 per capita. (The GNP Implicit Price Deflator was used to inflate all dollar figures in this report, including all tables, to 1986 dollars.) This was 108.1 percent of per capita income in California and 126.4 percent of the national per capita income in 1980. Total personal income in the county increased 14.7 percent to $37,135.0 million in 1984, with a concomitant increase in per capita income to $17,787 (or 6.7 percent more than in 1980).

In 1980, total earnings (consisting of wages and salaries, other labor income, and proprietor's income) by place of residence was $23,927.2

Figure 3-6

Source: California Employment Development Department, Annual Planning Information 1986-1987 (Sacramento: 1986).

U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States (Washington, D.C.: 1987).

Table 3-5

Employment by Occupation in Orange County: 1970 and 1980

1970

Occupation	Number	Percent
Total Employed, 16 Years Old and Older	544,313	100.0
Professional, Technical, Kindred Workers	107,543	19.8
Engineers	23,065	4.2
Physicians, Dentists, Related Practitioners	4,154	0.8
Health Workers, Except Practitioners	7,964	1.5
Teachers, Elementary and Secondary Schools	20,118	3.7
Technicians, Except Health	9,685	1.8
Other Professional Workers	42,557	7.8
Managers and Administrators, Except Farm	58,687	10.8
Salaried: Manufacturing	14,085	2.6
Salaried: Retail Trade	10,761	2.0
Salaried: Other Industries	25,358	4.7
Self-employed: Retail Trade	3,445	0.6
Self-employed: Other Industries	5,038	0.9
Sales Workers	53,567	9.8
Retail Trade	27,071	5.0
Other Than Retail Trade	26,496	4.9
Clerical and Kindred Workers	96,614	17.7
Craftsmen, Foremen, Kindred Workers	72,428	13.3
Automobile Mechanics, Body Repairmen	5,896	1.1
Mechanics and Repairmen, Except Automobile	10,631	2.0
Metal Craftsmen, Except Mechanics	7,875	1.4
Construction Craftsmen	19,207	3.5
Other Craftsmen	28,819	5.3
Operatives, Except Transport	54,440	10.0
Durable Goods Manufacturing	29,457	5.4
Nondurable Goods Manufacturing	10,340	1.9

1980

Occupation	Number	Percent
Employed Persons 16 Years and Older	974,845	100.0
Managerial and Professional Specialty Occupations	281,642	28.9
Executive, Administrative, Managerial	148,720	15.3
Officials and Administrators, Public Administration	1,589	0.2
Management Related Occupations	34,385	3.5
Professional Specialty Occupations	132,922	13.6
Engineers and Natural Scientists	39,295	4.0
Engineers	29,823	3.1
Health Diagnosing Occupations	7,116	0.7
Health Assessment and Treating Occupations	15,832	1.6
Teachers, Librarians, Counselors	40,150	4.1
Teachers, Elementary and Secondary Schools	28,239	2.9
Technical, Sales, Administrative Support Occupations	324,891	33.3
Health Technologists and Technicians	7,079	0.7
Technologists and Technicians, Except Health	25,645	2.6
Sales Occupations	120,899	12.4
Supervisors and Proprietors	15,660	1.6
Sales Representatives, Commodities and Finance	49,158	5.0
Other Sales Occupations	56,081	5.8
Cashiers	15,263	1.6
Administrative Support, Including Clerical	171,268	17.6
Computer Equipment Operators	3,947	0.4
Secretaries, Stenographers, Typists	44,179	4.5
Financial Records Processing Occupations	22,159	2.3
Mail and Message Distributing Occupations	5,921	0.6
Service Occupations	107,561	11.0
Private Household Occupations	3,731	0.4
Protective Service Occupations	13,086	1.3
Police and Firefighters	5,602	0.6
Service Occupations, Except Protective and Household	90,744	9.3

Table 3-5 (Cont.)

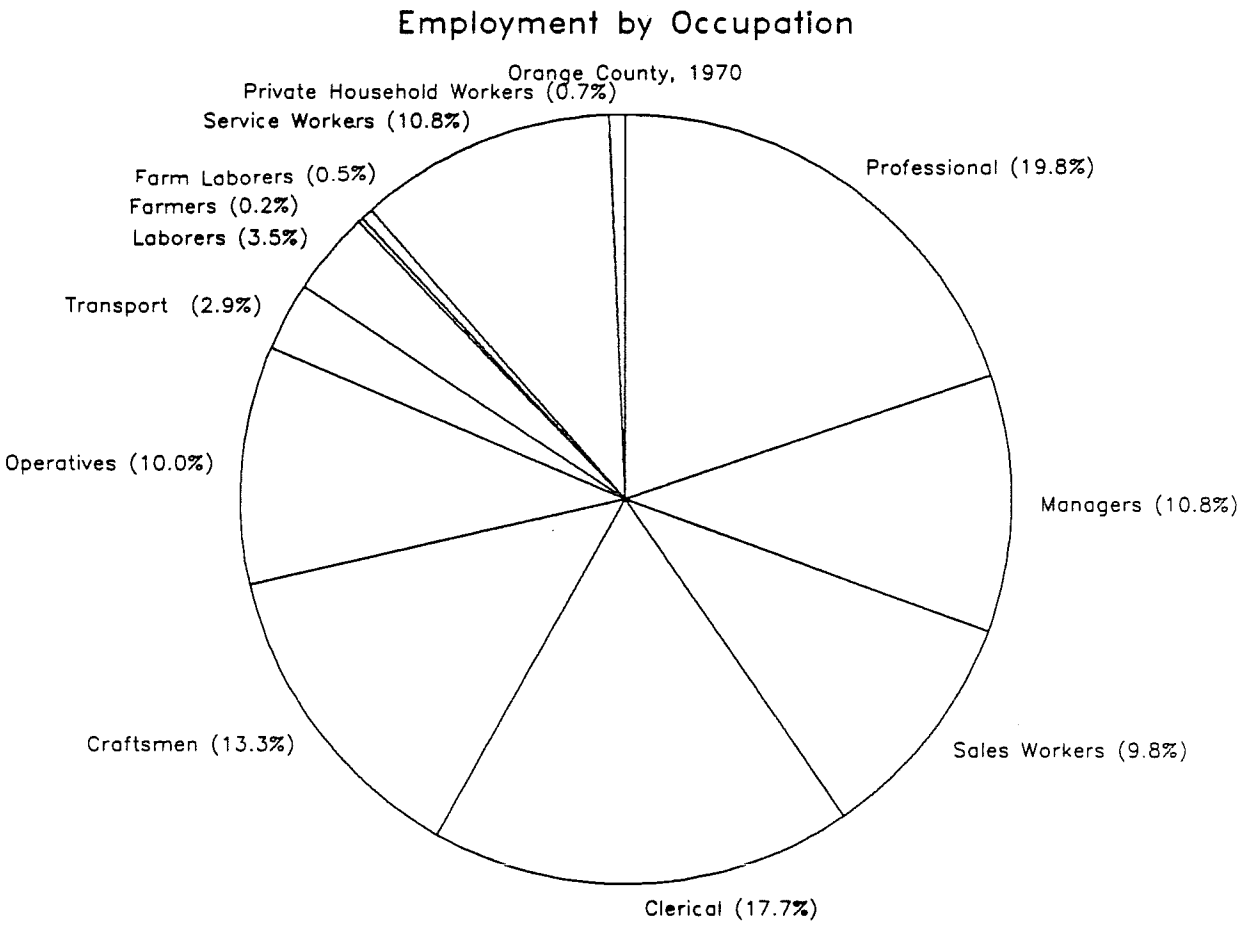
Employment by Occupation in Orange County: 1970 and 1980

1970 Occupation	Number	Percent
Nonmanufacturing Industries	14,643	2.7
Transport Equipment Operatives	15,582	2.9
Laborers, Except Farm	19,210	3.5
Construction Laborers	3,306	0.6
Freight, Stock, Material Handlers	7,370	1.4
Other Laborers, Except Farm	8,534	1.6
Farmers and Farm Managers	881	0.2
Farm Laborers and Farm Foreman	2,680	0.5
Service Workers, Except Private Household	58,724	10.8
Cleaning Service Workers	10,316	1.9
Food Service Workers	21,416	3.9
Health Service Workers	6,451	1.2
Personal Service Workers	9,314	1.7
Protective Service Workers	7,171	1.3
Private Household Workers	3,957	0.7

1980 Occupation	Number	Percent
Food Service Occupations	42,270	4.3
Cleaning and Building Service Occupations	17,046	1.7
Farming, Forestry, Fishing Occupations	11,666	1.2
Farm Operators and Managers	988	0.1
Farm Workers and Related Occupations	10,438	1.1
Precision Production, Craft, Repair Occupations	117,878	12.1
Mechanics and Repairers	29,462	3.0
Construction Trades	40,464	4.2
Precision Production Occupations	47,252	4.8
Operators, Fabricators, Laborers	131,207	13.5
Machine Operators and Tenders, Except Precision	38,232	3.9
Fabricators, Assemblers, Inspectors, Samplers	31,961	3.3
Transportation Occupations	22,171	2.3
Motor Vehicle Operators	21,323	2.2
Material Moving Equipment Operators	5,892	0.6
Handlers, Equipment Cleaners, Helpers, Laborers	32,951	3.4
Construction Laborers	5,732	0.6
Freight, Stock, Material Handlers	9,985	1.0

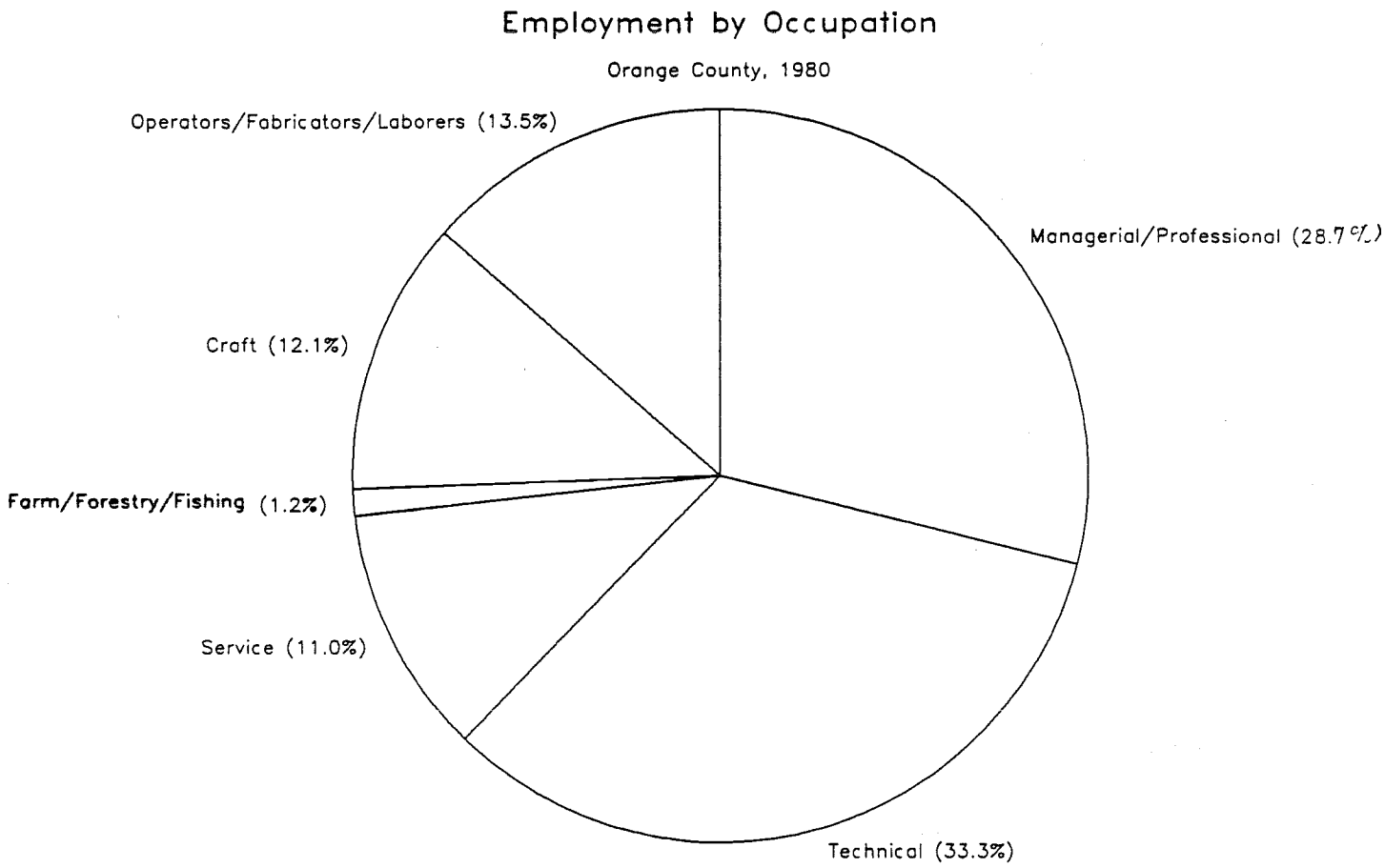
Source: U.S. Deparment of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, Characteristics of the Population, part 6.
U.S. Deparment of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, Characteristics of the Population, part 6.

Figure 3-7



Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol 1, General Population Charactersitics, part 6.

Figure 3-8



Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol 1, General Population Charactersitics, part 6.

million in Orange County (see Table DS 3-4). This amounted to 73.9 percent of total personal income in the county, compared to a ratio of 69.5 percent for the state and 69.8 percent for the nation. Thus, components of personal income other than earnings (such as government transfer payments) are relatively less important in this county than in the state or nation.

In 1980, median household income was $20,736 in Orange County. This is more than that of the state (113.4 percent of state median income). Median household income was $20,934 in 1984. This was 1.0 percent more than 1980. For the 1980 to 1984 period, median household income in the state grew by 0.02 percent. Median household income for the years 1975, and 1980 through 1984 are presented in Table 3-1.

3.4.3 Industry Characteristics

The industry characteristics of the county are assessed by Standard Industrial Classification (SIC) in terms of (1) total income and earnings, (2) payroll by industry, (3) value of product, capital expenditure, and value added by manufacturer, (4) employment by industry, and (5) number of establishments by industry. Except for earnings, farming activity is not included in this analysis. However, some farming data are presented separately. All data relating to industry characteristics are presented in the data supplement (Tables DS 3-4, DS 3-5, DS 3-6, DS 3-7, DS 3-8, and DS 3-9). These data are all organized by two digit SIC code. Industry characteristics are provided by three and four digit SIC for the following oil and gas related economic sectors: SIC 131 (crude petroleum and natural gas extraction), SIC 132 (natural gas liquids extraction), SIC 138 (oil and gas field services), SIC 1381 (drilling oil and gas wells), SIC 1382 (oil and gas field exploration), SIC 291 (petroleum refining), SIC 295 (paving and roofing materials), and SIC 299 (miscellaneous oil and gas products). Because these data are presented by SIC, they are extremely lengthy and have, therefore, been placed in the data supplement.

The industry characteristics are designed to provide an overview of the public and private activities which make up the economy of Orange County. All of these data reflect local economic activity by place of work or location of establishment.

Total earnings (which includes wages and salaries, other labor income, and proprietor's income) in the county by place of employment was $20,413.9 million in 1980. The residence adjustment to earnings by place of work used to derive earnings by place of residence is positive, indicating a net inflow of earnings due to workers commuting outside the county to their place of work.

In 1980, farm earnings comprised 0.6 percent of total earnings in the county and in 1984 it was 0.4 percent of total earnings. In 1980, the largest economic sector in terms of generating earnings in the county was manufacturing which contributed $5,959.4 million in earnings (or 29.2 percent of total earnings) to the county's economy. Other major sectors in terms of generating earnings in 1980 were service industries ($4,178.4 million, or 20.5 percent), retail trade ($2,385.6 million, or 11.7 percent), and the government sector ($2,370.6 million, or 11.6 percent).

No other business sector provided more than 9 percent of total local earnings in 1980. In 1984, the manufacturing sector again generated the most earnings (28.3 percent of the county total), followed by service industries (23.7 percent), retail trade (11.3 percent), and government (10.8 percent). By 2015, it is projected that manufacturing will contribute the most earnings in the county (28.4 percent), followed closely by service industries (26.7 percent) and retail trade (9.4 percent). Total earnings by industry data are presented in Table DS 3-4 for 1970, 1975, and 1980 through 1984, with projections to 2015.

Payroll in the county by two digit SIC code is presented for the years 1970, 1975, and 1980 through 1984 in Table DS 3-5. Payroll data are from the Bureau of the Census' County Business Patterns while earnings and income data are from the Bureau of Economic Analysis. Thus the information in Tables DS 3-4 and DS 3-5 is not directly comparable. Also, no information is shown for the government and railroad sectors since no consistent source is available. In 1980, the total payroll income in the county for the industrial sectors shown was $15,426.7 million. The major generator of payroll income was the manufacturing sector ($5,271.4 million, or 34.2 percent). Other sectors with large payrolls in Orange County were service industries ($3,021.6 million, or 19.6 percent), retail trade ($2,031.2 million, or 13.2 percent), construction ($1,427.0 million, or 9.3 percent), and finance, insurance, and real estate ($1,364.4 million, or 8.8 percent). No other sector provided more than 8 percent of payroll in the county. In 1984, manufacturing was the largest contributor to payroll (32.8 percent of the county), followed by service industries (22.3 percent) and retail trade (12.1 percent). For the industries shown, total annual payroll for the county increased throughout the period 1980 to 1984, rising to $18,819.8 million in 1984, which was 22.0 percent more than in 1980.

Data for the value of products, capital expenditures and value added are only available from the individual business censuses. These data exclude government and businesses involved in the transportation and public utilities, farming, and finance sectors of the economy. Farming is the only one of these three omitted sectors for which the foregoing data can be obtained from an alternative source. A summary table of these measures for farming activity is presented in Table DS 3-9 and is discussed separately below. The data for all other sectors can be found in Table DS 3-6. The appearance of an "NA" in this table signifies that the level of activity in that sector of the county's economy fell below the cut off established by the Bureau of the Census for reporting information. Data for 1980 are not available. Consequently, the 1980 data shown in Table DS 3-6 are estimated by interpolation from the 1977 and 1982 economic censuses.

For the industrial sectors shown, the wholesale trade sector had the highest value of product (i.e., sales) in the county in 1980 which totaled $20,823.9 million (see Table DS 3-6). Capital expenditures by the wholesale trade sector in 1980 totaled $241.7 million. In 1982, wholesale trade sales were $25,297.4 million, with capital expenditures of $303.6 million.

The manufacturing sector also demonstrated substantial economic activity, with a 1980 value of product of $18,717.3 million and capital

expenditures of $714.8 million. In 1982, manufacturing sales amounted to $21,280.5 million, and capital expenditures were $899.7 million.

The retail trade sector experienced sales of $12,618.1 million in 1980. Its capital expenditures totaled $252.8 million. By 1982, retail trade sales totaled $13,071.0 million and capital expenditures were $274.5 million.

The service sector added $5,597.6 million in sales to the county's economy in 1980. Its capital expenditures totaled $410.0 million. By 1982, service industries sales reached $7,690.3 million, with capital expenditures of $553.7 million.

Contract construction had a value of product of $2,742.7 million in 1980, with capital expenditures of $75.5 million. In 1982, construction sales totaled $2,352.1 million, and capital expenditures were $52.5 million.

Mining industries had sales of $443.8 million in 1980, with capital expenditures of $97.8 million. By 1982, sales by mining industries in the county totaled $617.9 million, with capital expenditures of $167.1 million.

Total employment by industry (excluding farms and timber harvesting) is presented in Table DS 3-7 by two digit SIC code for the years 1970, 1975, and 1980 through 1984. These data were derived primarily from the Bureau of the Census' County Business Patterns and supplemented, when necessary, by several additional sources. These data differ from total employment figures collected in the 1980 Census of Population. Employment by industry is organized by place of work in County Business Patterns while the 1980 Census is compiled by place of residence. The number of employees by SIC group should be used primarily for establishing the relative significance of various business sectors in the county and not for determining aggregate employment of county residents. While total county employment reflects the number of jobs in the county's economy, employment by SIC code are not available for some segments as this could cause disclosure of the operations of individual establishments. Therefore, the most meaningful comparisons are made at the one digit SIC level.

Excluding farms and timber harvesting, a total of 892,414 employees are shown in Orange County for 1980. The major sectors providing employment in 1980 were manufacturing with a total of 228,644 employees (25.6 percent), service industries with 172,258 employees (19.3 percent), retail trade with 166,340 employees (18.6 percent), and government with 105,600 employees (11.8 percent). No other sector provided more than 8 percent of total employment. In 1984, 1,000,457 employees are shown, or an increase of 12.1 percent over 1980. Manufacturing was the largest employer in 1984 (24.4 percent of the county total), followed by service industries (22.1 percent) and retail trade (17.8 percent).

In 1980, there were a total of 44,934 private business establishments (excluding farms) in Orange County. Of these, 13,436 (29.9 percent) were service industry establishments, 10,271 (22.9 percent) retail trade establishments, 4,969 (11.1 percent) finance, insurance, and real estate establishments, and 4,503 (10.0 percent) manufacturing establishments.

No other sector provided more than 9 percent of establishments in the county. Data on the number of establishments are presented for Orange County for the years 1970, 1975, and 1980 through 1984 in Table DS 3-8.

Mining represented only a small portion of the economic activity in the county. In 1980, employment in the mining sector was 3,089 and in 1984 equalled 2,884 (or 0.3 percent of county employment in both years). There were 95 mining establishments in the county in 1980, representing 0.2 percent of total county establishments. In 1984, the number of mining establishments rose to 126 (still 0.2 percent of the county total). Payroll generated by mining industries equalled $120.2 million in 1980 (0.8 percent of the county total) but fell to $110.9 million in 1984 (0.6 percent of county payroll).

The previous industry profiles excluded agricultural statistics relating to individual farms. These enterprises represent an important level of activity and are presented in the data supplement. Agricultural statistics are presented in Table DS 3-9 for 1978, 1980, and 1982 and consist of the number of farms, hired farm workers, and farm payroll. Value of product information is included for these years as well as 1984 and 1985. Data for 1980 are unavailable. Consequently, the 1980 data shown in Table DS 3-9 are estimated by averaging the 1978 and 1982 agricultural censuses.

In 1980, there were 579 farms in the county. These farms employed 12,079 (seasonal, part-time, and full-time) hired farm workers, generating a payroll of $47.3 million. In 1980, the sales of these farms totaled $178.2 million. Farm sales of $78.6 million were classified as horticulture specialties, and $51.3 million in fruit and tree nuts. Primary commodities are itemized in the data supplement for crops with at least $10 million in sales for 1985. These data are taken from the County Crop Report. The major commodity in Orange County is nursery stock and cut flowers, with 1985 sales of $127.9 million in 1986 dollars. Other major crops include strawberries (with 1985 sales of $61.9 million) and Valencia oranges ($23.3 million).

3.5 Housing Profile

In 1980, there were an estimated 721,570 housing units in Orange County compared to 462,777 units in 1970 (see Table 3-1). This represents an increase in housing units of 55.9 percent between 1970 and 1980. The composition of the housing stock in 1980 was as follows: 61.7 percent single family units, 34.6 percent multi-family units, and 3.7 percent mobile homes. The vacancy rate in 1980 was 4.9 percent (see Table DS 3-10). It should be noted that the number of vacant units may include some units held for occasional use. Characteristics of the Orange County housing stock from 1975 to 1986 are included in Table DS 3-10 of the data supplement. The proportion of owner occupied units decreased from 64.7 percent in 1970 to 60.5 percent in 1980 (see Table 3-1).

The number of seasonal housing units in the county increased from 410 to 1,614 (293.7 percent) between 1970 and 1980 (the only years for which these data are available). Seasonal units are intended for use only during certain times of the year and include units intended for recreational use such as beach houses and hunting cabins. In 1980, units

offered to vacationers in the summer or winter in connection with seasonal sports were included in the definition. These units were not included in the 1970 definition of seasonal housing.

Temporary accommodations include campsites and hotel/motel rooms. According to an inventory of camping facilities in California prepared by the Automobile Club of Southern California, in 1986 there were about 2,740 campsites in 19 campgrounds in the county. The campgrounds are operated by the National Forest Service, the state, the county, a city or special district, and by private groups. Fifteen of the facilities are open on a year-round basis. The inventory of facilities in the county is included in Table DS 3-11 of the data supplement. The number of hotel/motel rooms in the county in 1985 was estimated at about 21,845. This is based on a compilation of hotels and motels by the accounting firm Pannell Kerr Forster for the California Office of Tourism.

3.6 Public Services and Facilities Profile

3.6.1 Police Protection

Police protection in Orange County is provided by the county Sheriff's Department in San Juan Capistrano and Villa Park and the unincorporated area, and city police departments in the other cities, except in Yorba Linda. Yorba Linda contracts with the Brea Police Department for police protection. A list of departments providing police protection in Orange County is presented in Table DS 3-12. The number of sworn officers serving the cities and the unincorporated area of the county in 1985 is shown in Table 3-6. The number of sworn officers per 1,000 residents in the county in 1985 was 1.60, compared to 2.29 sworn officers per 1,000 residents for the state. This is based on the Department of Finance estimates of the population as of January 1, 1985.

3.6.2 Fire Protection

Fire protection in Orange County is provided by 25 fire districts and volunteer organizations serving the county's cities and the unincorporated area. A list of fire departments and fire districts providing protection to Orange County is presented in Table DS 3-12. The number of fire fighters in Orange County in 1986 is shown in Table 3-7. The number of fire fighters per 1,000 residents was 1.21. Similar information for the state is not available.

3.6.3 Water Supply

Orange County consumes approximately 500,000 acre-feet (af) of water annually. An acre-foot is the volume of water needed to cover 1 acre to the depth of 1 foot. Approximately 70 percent of this water is imported by the Metropolitan Water District of Southern California (MWD). The counties of Los Angeles and San Diego also import water through MWD. The other major supply source in the county is the ground water basin underlying the northern half of Orange County.

Imported MWD water is purchased and distributed by five separate agencies in Orange County: the cities of Anaheim, Fullerton, and Santa Ana, the Coastal Municipal Water District (the cities of Brea, Costa Mesa, Laguna

Table 3-6

Sworn Police Officers and Sheriff's Deputies
Orange County, 1985

City/Area	Population	Number of Sworn Officers: Police or Public Safety	Number of Sworn Officers: County Sheriff	Number of Sworn Officers: Per 1,000 Residents
Anaheim	237,300	317		1.34
Brea	32,450	72		1.04
Buena Park	65,500	86		1.31
Costa Mesa	87,100	140		1.61
Cypress	42,600	49		1.15
Fountain Valley	55,600	60		1.08
Fullerton	108,900	150		1.38
Garden Grove	131,800	153		1.16
Huntington Beach	181,900	202		1.11
Irvine	81,200	112		1.38
Laguna Beach	18,650	39		2.09
La Habra	47,950	53		1.11
La Palma	16,150	22		1.36
Los Alamitos	11,750	20		1.70
Newport Beach	66,900	152		2.27
Orange	99,800	130		1.30
Placentia	37,850	44		1.16
San Clemente	30,500	43		1.41
San Juan Capistrano	22,000		9 (a)	0.41
Santa Ana	224,100	371		1.66
Seal Beach	26,900	38		1.41
Stanton	28,000	35		1.25
Tustin	41,250	61		1.48
Villa Park	7,075		2 (b)	0.28
Westminster	73,000	88		1.21
Yorba Linda	36,550	(c)		1.04
Unincorporated	297,825		938	3.15
Total	2,110,600	2,437	949	1.60

Source: Commission on Peace Officer Standards and Training, Employment Data for California Law Enforcement (Sacramento: 1986).
Personal communication with the Brea Police Department, 1987.
Personal communication with the San Juan Capistrano City Hall, 1987.
Personal communication with the Villa Park City Hall, 1987.

(a) - San Juan Capistrano contracts with the Orange County Sheriff's Department for seven full-time deputies and two full-time investigators.

(b) - Villa Park contracts with the Orange County Sheriff's Department for two full-time deputies.

(c) - Yorba Linda contracts with the Brea Police Department for a maximum number of hours per month, causing the per capita amounts for both cities to be understated.

Table 3-7

Fire Fighters, Orange County, 1986

Rank	Paid	Part-Paid	Volunteer(a)	Auxiliary(b)	Total	Per 1,000 Residents
Fire Chief	20	0	0	0	20	0.01
Chief Fire Officers	110	0	0	0	110	0.05
Fire Officers (Captains-Lieutenants)	501	97	0	0	598	0.28
Fire Apparatus Engineers	485	94	0	0	579	0.27
Fire Fighters	752	422	52	60	1,286	0.61
Total	1,868	613	52	60	2,593	1.21 (c)

Source: State of California, Office of Emergency Services, Fire and Rescue Division, Operational Area Inventory (Sacramento: 1986).

(a) - Volunteer fire fighters respond only to fires.

(b) - Auxiliary fire fighters respond only to disasters.

(c) - Based on Department of Finance estimate of county population (2,145,700) as of January 1, 1986.

Beach, Newport Beach, and the coastline from Newport Beach to San Clemente), and the Municipal Water District of Orange County (which serves approximately 90 percent of the remaining county area).

MWD imports water from the Colorado River Project. The project begins at Lake Havasu on the Colorado River and ends at its terminal reservoir, Lake Mathews in Riverside County. From there, water enters MWD's distribution system and is delivered throughout much of the coastal plain. MWD's entitlement to water from the river was reduced under the 1963 U.S. Supreme Court decision in Arizona v. California, and subsequent legal claims from Indian tribes along the Colorado River. When the Central Arizona Project (a major water system to serve the Phoenix-Tucson area) becomes fully operational (expected by 1990), MWD will lose more than 50 percent of its current entitlement. This entitlement will change from 1.2 million af per year to 550,000 af per year. Four California authorities hold claims to Colorado River water -- MWD and three irrigation districts -- but because of the system of priorities developed by the state Department of Water Resources, MWD took the full reduction in California's entitlement. However, because of surplus flows on the river, MWD has been able to take 1.2 million af of water annually since 1963, and foresees the same amount in both 1987 and 1988 (Bob Gomperz, Metropolitan Water District of Southern California, personal communication, 1987).

Water authorities in seven states have entitlement to Colorado River water. Rights to the water are oversubscribed based on historical water flow. Not all projects, however, are currently fully on-line. MWD expects to continue taking their current level of water indefinitely unless lower than normal volumes of water occur on the river for several consecutive years. Should this dry period happen, MWD foresees several possible options:

- Increased dependence on State Water Project facilities. The State Water Project authorized the development and diversion of water from the Feather River complex (Lake Oronville in northern California) through a Sacramento-San Joaquin Delta facility and southern delivery aqueduct. Designed to be completed in stages, the project is currently capable of delivering only about half of planned capacity. (The completion date of this project is unknown, as there have been delays in its funding and construction.)

- Negotiations with the three California irrigation agencies with entitlement to Colorado River water. One suggestion is to finance conservation efforts in their aging aqueduct system in return for use of any "saved" water.

- Compensation of farmers for not planting crops in dry years in return for the use of water no longer needed for irrigation.

- Petition the Secretary of the Interior for excess extraction of water from the river (Bob Gomperz, Metropolitan Water District of Southern California, personal communication, 1987).

The water usage profile for the county focuses on the "large" water systems with the relative role of "small" and "other" water systems noted in the text. Limiting the analysis to large water systems is appropriate for use in socioeconomic impact planning since it is primarily these systems which directly constrain or are affected by induced development.

The 41 local large water systems serving Orange County are listed in Table 3-8. Also included in this table are geographic area and population served, ownership of the system, sources of water, and number of service connections. A water system is classified as "large" if it has 200 or more service connections. These systems are regulated by the California Department of Health Services. In 1986, over 96 percent of the county's population and all residents of the county's cities were served by local large water systems. (This percentage is based on the July 1986 population estimate shown in Table 3-1 and the estimate of population served by the large water systems in the county at the end of 1986 shown in Table 3-8. The population figure listed in Table 3-8 as the population served by the large water systems is different from the county population estimate given in Table 3-1. This is due to different sources of information, different methods of estimation, or double counting of residents and transients.) There is also a military large water system in the county. Characteristics of this system are included in Table DS 3-13.

Small water systems are those systems which have between 5 and 199 service connections and are regulated by the county Department of Environmental Health. In Orange County in 1986, less than 4.0 percent of the population was served by these systems. These systems are located primarily in the county's northern cities (Monica Mazur, Orange County Department of Environmental Health, personal communication, 1987).

3.6.4 Sewage Treatment

Sewage treatment facilities in operation in Orange County in 1984 and 1986 are shown in Table 3-9. Current flow through, design capacity, and planned capacity for the year 2000 are also shown in this table. Flow through refers to the amount of sewage which is processed by the facility and is measured in million gallons per day (MGD). It should be noted that excess sewage treatment capacity in one area is usually not available for use by other areas. The inventory of facilities shown in Table 3-9 is from the U.S. Environmental Protection Agency's (EPA) survey of publicly owned municipal wastewater treatment plants.

According to the EPA survey, there were 12 sewage treatment facilities operating in the county in 1986. Of these facilities, four were operating at 100 percent or more of capacity. Expansion of three of these four facilities is planned by 2000. Three other facilities show plans for expansion by 2000. One additional facility is expected to be operating by 2000.

3.6.5 Solid Waste Disposal

Solid waste in Orange County is disposed of at the county's five landfills: Coyote Canyon, Los Alamitos, Olinda Expansion, Prima Deshecha, and Santiago Canyon. Two of the landfills, Prima Deshecha and

Table 3-8

Local Large Water Systems, Orange County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Number of Service Connections
Anaheim, City of	Anaheim	Municipal	Wells, Streams and Purchased	243,500	55,096
Brea Water Department	Brea	Municipal	Purchased	32,717	9,137
Buena Park City	Buena Park	Municipal	Wells and Purchased	65,300	17,325
Capistrano Beach CWD	Capistrano and Dana Point	District	Wells and Purchased	17,500	6,401
Capistrano Valley WD	San Juan Capistrano	District	Wells and Purchased	28,000	8,055
East Orange CWD	Tustin	District	Purchased	0 (b)	6
East Orange CWD	El Modena-Unincorporated	District	Wells and Purchased	3,675	1,050
East Side Water Association	East Midway City	Mutual	Wells	1,000	422
El Toro WD	Laguna Hills	District	Purchased	0 (b)	9,860
Fairlane Mobile Lodge	Fairlane Trailer Park	Private	Wells	500	248
Fountain Valley WD	Fountain Valley	Municipal	Wells and Purchased	55,500	15,600
Fullerton Engineering	Fullerton	Municipal	Wells and Purchased	107,651	27,385
Garden Grove Water Department	Garden Grove	Municipal	Wells and Purchased	128,879	32,723
Huntington Beach MWD	Huntington Beach	Municipal	Wells and Purchased	184,280	45,839
Irvine Ranch WD	Irvine	District	Wells and Purchased	90,000	32,158
La Habra City	La Habra	Municipal	Purchased	44,700	11,241
La Palma Water Department	La Palma City	Municipal	Wells and Purchased	16,750	4,145
Laguna Beach CWD	Laguna Beach	District	Purchased	23,000	7,854
Lemon Heights Mutual Water Co	Lemon Heights	Mutual	Purchased	1,599	457
Los Alisos WD	El Toro	District	Purchased	30,500	9,738
Mesa Consolidated WD	Costa Mesa	District	Wells and Purchased	88,000	21,999
Midway City Mutual Water Company, Inc.	Midway City	Mutual	Wells	900	373
Moulton-Niguel WD	Laguna Niguel	District	Purchased	73,953	22,987
MWD of Orange County	Orange County	District	Purchased	0 (b)	0
Newport Beach City	Newport Beach	Municipal	Purchased	70,606	22,166
Orange Park Acres Mutual Water Company	Orange-East	Mutual	Purchased	1,850	491
Orange Water Department	Orange	Municipal	Wells and Purchased	103,900	27,258

Table 3-8 (Cont.)

Local Large Water Systems, Orange County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Number of Service Connections
Red Hill Water Company	Cowan and Lemon Heights	Mutual	Wells	0 (b)	2
San Clemente, City of	San Clemente	Municipal	Wells and Purchased	32,000	12,200
Santa Ana City Utilities Agcy	Santa Ana	Municipal	Wells and Purchased	225,800	44,950
Santa Ana Heights Water Co	Costa Mesa Vicinity	Mutual	Purchased	20,000	2,625
Santa Ana Mountains CWD	Trabuco Oaks	District	Wells and Purchased	2,100	745
Santa Margarita WD	Mission Viejo	District	Purchased	37,364	11,968
Santiago CWD	Silverado Canyon	District	Impounding Reservoir Wells and Purchased	1,850	610
Seal Beach City	Seal Beach	Municipal	Wells and Purchased	25,975	4,762
Serrano ID	Villa Park City	District	Impounding Reservoir Wells and Stream	8,600	2,190
South Coast CWD	South Laguna	District	Purchased	13,800	5,125
Southern California Water Co	Cowan Heights	Private	Wells and Purchased	6,700	1,683
Southern California Water Co	Yorba Linda	Private	Wells and Purchased	6,700	1,679
Southern California Water Co	Stanton	Private	Wells and Purchased	25,000	5,386
Southern California Water Co	Cypress	Private	Wells and Purchased	42,242	11,728
Southern California Water Co	Los Alamitos	Private	Wells and Purchased	32,717	7,308
Southern California Water Co	Placentia City	Private	Wells and Purchased	33,300	8,321
Tri Cities MWD	San Clemente	District	Purchased	0 (b)	0
Tustin, City of	Tustin	Private	Wells and Purchased	55,000	13,644
Westminster Water Department	Westminster	Municipal	Wells and Purchased	78,000	19,200
Yorba Linda WD	Yorba Linda	District	Wells and Purchased	43,115	15,033
Total				2,104,523 (c)	559,173

Source: State of California, Department of Health Services, Computer Printout (Sacramento: 1987).

(a) - Data presented for population served and number of service connections were current as of January 1, 1987. However, data on 30

Table 3-8 (Cont.)

Local Large Water Systems, Orange County, 1986 (a)

percent of the local large water systems in the state had not been provided by water purveyors.

(b) - Municipal Water District of Orange County, Red Hill Water Company, East Orange County Water District, Tri Cities Municipal Water District, and the El Toro Water District are large water wholesalers. The amount listed for population served includes those systems which purchase their water from these wholesalers. That means that the total population served by the local large water systems will be overstated.

(c) - This population estimate is different from that given in Table 3-1. This difference may be due to different sources of information, different methods of estimation, or double counting of residents and transients.

Table 3-9

Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000

Orange County

Authority	Facility Name	City	Flow Through (MGD) 1984	Flow Through (MGD) 1986	Design Capacity 1986 (MGD)	Flow Through as a Percent of Design Capacity	Planned Capacity 2000 (MGD)	Capacity Difference 1986 to 2000 (MGD)	Percentage Change 1986 to 2000
Aliso Water Mgmt Agency	AWMA Coastal WWTF	South Laguna	5.000	5.000	4.500	111.1	4.500	0.000	0.0
Capistrano Beach San Dist	Capistrano Beach WWTF	Capistrano Beach	0.700	0.800	1.099	72.8	1.099	0.000	0.0
City of San Clemente	San Clemente WWTF	San Clemente	2.831	2.831	4.000	70.8	5.330	1.330	33.3
El Toro Water District	El Toro WD WWTF	Laguna Hills	NA (b)	5.200	6.000	86.7	6.000	0.000	0.0
Irvine Ranch WD	Irvine Ranch WD WWTF	Irvine	5.000	12.000	15.000	80.0	27.000	12.000	80.0
Los Alisos Water District	Los Alisos WWTF	Lake Forest (El Toro Area)	1.917	2.500	5.500	45.5	5.500	0.000	0.0
Moulton-Niguel Water Dist	MNWD Impr Dist 3-A WWRF	Mission Viejo	0.500	0.500	0.500	100.0	4.000	3.500	700.0
Orange CO Industrial Farm	Orange CO Indus Farm WWTF	El Toro	0.010	0.010	0.030	33.0	0.030	0.000	0.0
Orange County San Dist	(a)Anaheim Forebay WWRF	Anaheim	NA	NA	NA	NA	11.667	NA	NA
Orange County San Dist	OCSD STP #2	Huntington Beach	185.000	161.000	138.000	116.7	175.000	37.000	26.8
Orange County San Dist	OCSD WWTF #1	Fountain Valley	60.000	60.000	46.000	130.4	132.000	86.000	187.0
Orange County San Dist #2	Brea WWTF	Brea	0.050	NA (c)	NA	NA	NA	NA	NA
Santa Margarita Water Dis	OSO Creek WWRF	Mission Viejo	0.568	1.500	2.000	75.0	2.000	0.000	0.0
So East Reg Rec Authority	SERRA Reg WWTF	San Juan Capistrano	9.000	9.000	13.000	69.2	16.000	3.000	23.1

Source: U.S. Environmental Protection Agency, Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000 - Report 3, California (computer printout, 1984 and 1986).

(a) - This facility is expected to come on-line some time between 1986 and the year 2000.

(b) - This facility did not come on-line until after 1984.

(c) - This facility closed after 1984.

MGD - Million gallons per day.

NA - Not available.

Olinda Expansion, are owned and operated by the county. Santiago Canyon and Coyote Canyon landfills are owned by the Irvine Company and leased to the county. An additional site, the Bee Canyon Sanitary Landfill, has been purchased and will serve as a replacement when the Coyote Canyon and Santiago Canyon landfills close (Orange County Environmental Management Agency, 1985). The fifth landfill, Los Alamitos Landfill, is located on the Los Alamitos Naval Air Station. A projection of county solid waste production between 1986 and 1996 and the capacity of the county's landfill operations are shown in Table 3-10 and Figures 3-9 and 3-10. The numbers in Table 3-10 were prepared by the California Waste Management Board (CWMB). (The projected annual growth rate in solid waste generation developed by the CWMB, 1.8 percent from 1986 to 1990, and 1.4 percent from 1991 to 1996, was applied by the CWMB to all counties.) Between 1986 and 1996, annual solid waste disposal requirements in the county are projected to increase by 17.2 percent. Based on this growth rate current landfill capacity is projected to be exceeded in 1996 unless expansion of the existing facilities occur or a new landfill is built.

3.6.6 Public Schools

Orange County is served by 30 school districts: 14 elementary districts (includes kindergarten and grades 1-6 or 1-8); 12 unified districts (includes both elementary and high school grades); and 3 union high school districts (includes two or more elementary school districts); and the county schools operated by the county superintendent of schools. Total enrollment for the county by school district, for the years 1980-81 to 1985-86, is presented in Table 3-11. In 1980-81, overall enrollment was 344,371. By 1985-86, overall enrollment had decreased 2.0 percent (to 337,450). Elementary enrollment declined by 5.0 percent and high school enrollment increased by 4.0 percent (see Table 3-11 and Figure 3-11). During the 6-year period, total enrollment declined from the previous year from 1981-82 to 1983-84, but increased from the previous year in 1984-85 and 1985-86. Enrollment by school district, by city or area served, for the 1985-86 school year, is shown in Table 3-12. Enrollment by school district by year is included in the data supplement, Table DS 3-14.

Public school enrollment in the county is projected to be 387,241 in the 1995-96 school year (California Department of Finance, 1986d). This represents a 12.4 percent increase in enrollment from the 1980-81 school year. Figure 3-12 shows public school enrollment in the county from 1980-81 to 1993-96. The 1980-81 to 1983-86 data presented in this figure represent actual enrollment. The 1986-87 to 1993-96 data are projections.

3.6.7 Transportation

3.6.7.1 Land

There were 5,339 miles of public roads in Orange County in 1980 (see Table 3-1). State highways accounted for 4.6 percent of these roads. About 1.7 percent of these are federal miles of roads which do not overlap state or local road systems. Table 3-13 shows the number of vehicle miles of travel in the county between 1979 and 1983. Over 47

Table 3-10

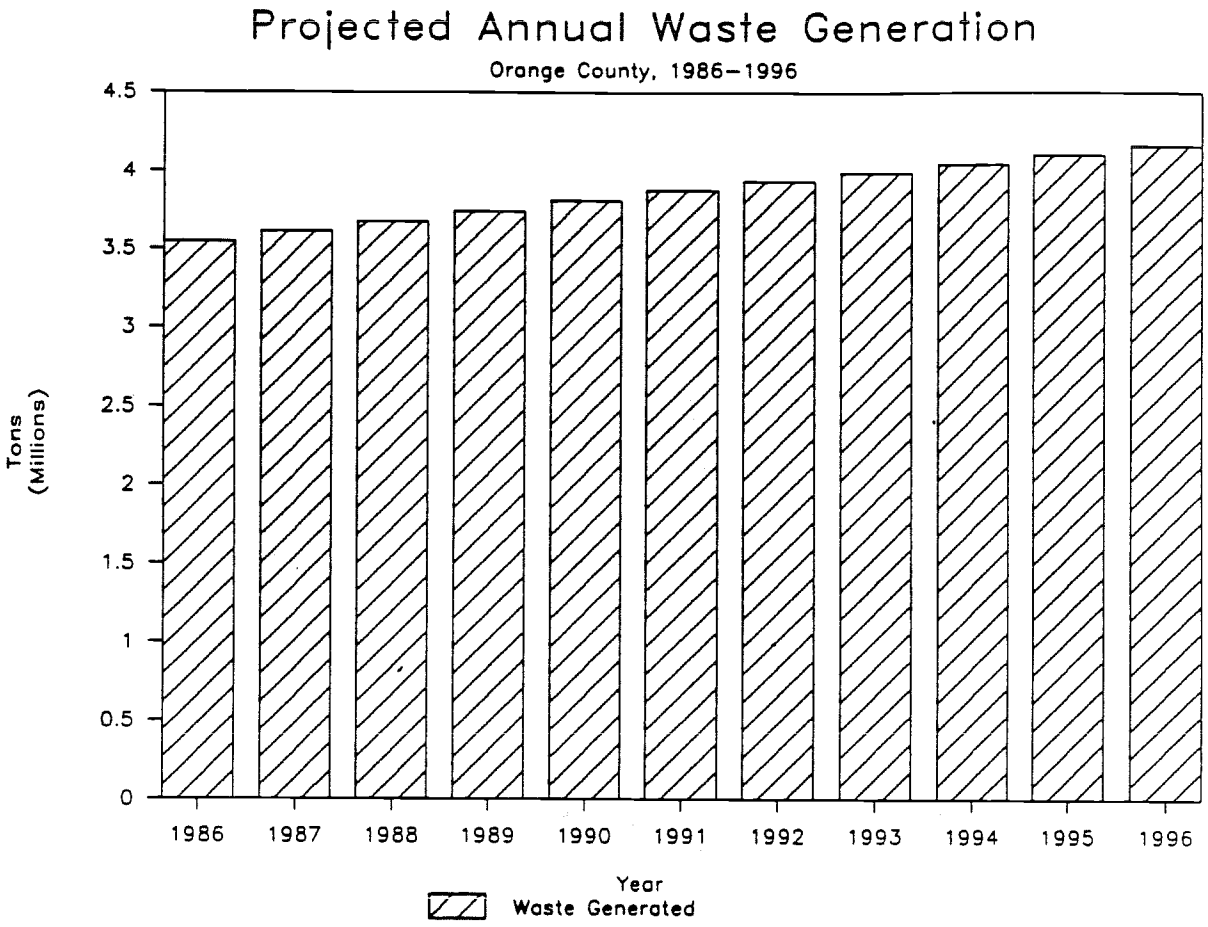
Projections of Annual Waste Disposed and Remaining Disposal Capacity, Orange County, 1986-1996

Year	Annual Waste Disposed (Tons Per Year)	Remaining Disposal Capacity (Tons Per Year)
1986	3,550,000	36,950,000
1987	3,613,900	33,336,100
1988	3,678,950	29,657,150
1989	3,745,171	25,911,978
1990	3,812,584	22,099,394
1991	3,881,211	18,218,183
1992	3,935,548	14,282,635
1993	3,990,646	10,291,990
1994	4,046,515	6,245,475
1995	4,103,166	2,142,309
1996	4,160,610	-2,018,301 (a)

Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

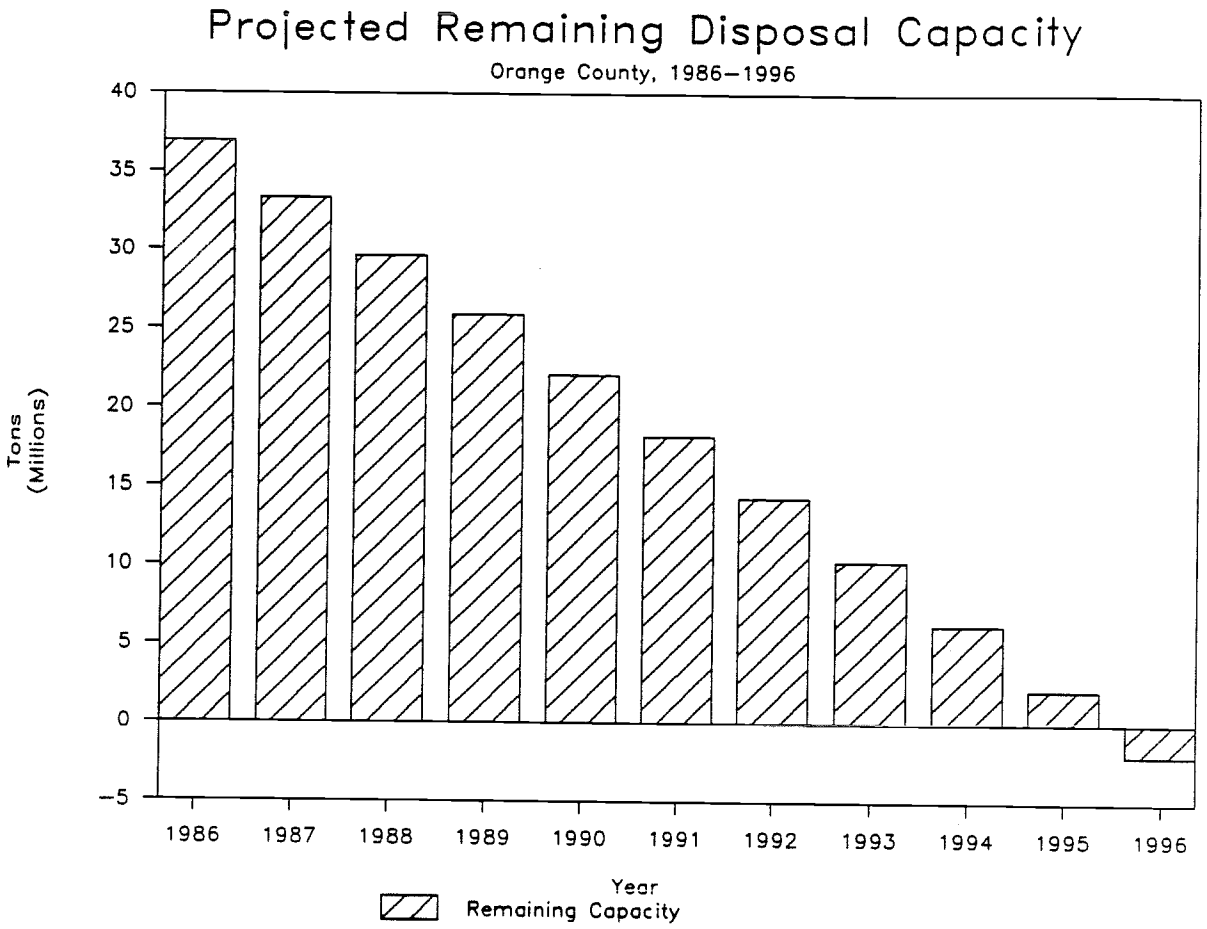
(a) - Remaining disposal capacity was calculated by subtracting the annual waste disposed figures from the base 1986 remaining disposal capacity figure. The negative value indicates that by the year 1996 Orange County will have exceeded current permitted disposal capacity.

Figure 3-9



Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

Figure 3-10



Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

Table 3-11

Enrollment by School District, Orange County, 1980-81 to 1985-86

School District	1980-81 Elementary	1980-81 High School	1980-81 Total	1981-82 Elementary	1981-82 High School	1981-82 Total	1982-83 Elementary	1982-83 High School	1982-83 Total
Anaheim Elementary	11,313	0	11,313	11,336	0	11,336	11,522	0	11,522
Anaheim Union High	7,720	16,316	24,036	7,721	16,376	24,097	8,035	15,794	23,829
Brea-Olinda Unified	2,944	1,500	4,444	2,988	1,547	4,535	2,934	1,580	4,514
Buena Park Elementary	3,701	0	3,701	3,621	0	3,621	3,567	0	3,567
Capistrano Unified	11,607	5,573	17,180	11,855	5,830	17,685	11,608	5,873	17,481
Centralia Elementary	4,011	0	4,011	3,959	0	3,959	3,836	0	3,836
Cypress Elementary	3,980	0	3,980	3,834	0	3,834	3,403	0	3,403
Fountain Valley Elementary	8,128	0	8,128	7,795	0	7,795	7,342	0	7,342
Fullerton Elementary	9,529	0	9,529	9,576	0	9,576	9,596	0	9,596
Fullerton Joint Union High	0	12,544	12,544	0	12,560	12,560	0	12,112	12,112
Garden Grove Unified	29,493	12,681	42,174	25,293	12,918	38,211	24,803	12,453	37,256
Huntington Beach City Element	6,672	0	6,672	6,386	0	6,386	6,089	0	6,089
Huntington Beach Union High	0	18,827	18,827	12	19,097	19,109	12	18,452	18,464
Irvine Unified	10,112	4,374	14,486	10,836	4,584	15,420	11,093	4,833	15,926
La Habra City Elementary	4,155	0	4,155	4,234	0	4,234	4,230	0	4,230
Laguna Beach Unified	1,621	1,072	2,693	1,483	1,103	2,586	1,447	1,118	2,565
Los Alamitos Unified	3,306	2,103	5,409	3,296	2,005	5,301	3,217	2,053	5,270
Magnolia Elementary	3,630	0	3,630	3,910	0	3,910	3,778	0	3,778
Newport-Mesa Unified	10,934	7,461	18,395	10,556	7,473	18,029	10,266	6,857	17,123
Ocean View Elementary	10,789	0	10,789	10,461	0	10,461	10,138	0	10,138
Orange County Schools	60	442	502	496	511	1,007	727	594	1,321
Orange Unified	17,606	9,714	27,320	17,146	9,556	26,702	16,747	9,241	25,988
Placentia Unified	11,112	5,357	16,469	11,433	5,743	17,176	11,213	5,721	16,934
Saddleback Valley Unified	13,832	6,238	20,070	13,753	6,859	20,612	13,587	6,942	20,529
Santa Ana Unified	23,312	6,724	30,036	24,919	7,356	32,275	25,654	7,589	33,243
Savanna Elementary	1,718	0	1,718	1,665	0	1,665	1,645	0	1,645
Seal Beach Elementary	737	0	737	757	0	757	749	0	749
Tustin Unified	6,881	4,424	11,305	6,523	4,494	11,017	6,215	4,256	10,471
Westminster Elementary	8,132	0	8,132	7,997	0	7,997	7,875	0	7,875
Yorba Linda Elementary	1,986	0	1,986	1,908	0	1,908	1,874	0	1,874
Total	229,021	115,350	344,371	225,749	118,012	343,761	223,202	115,468	338,670

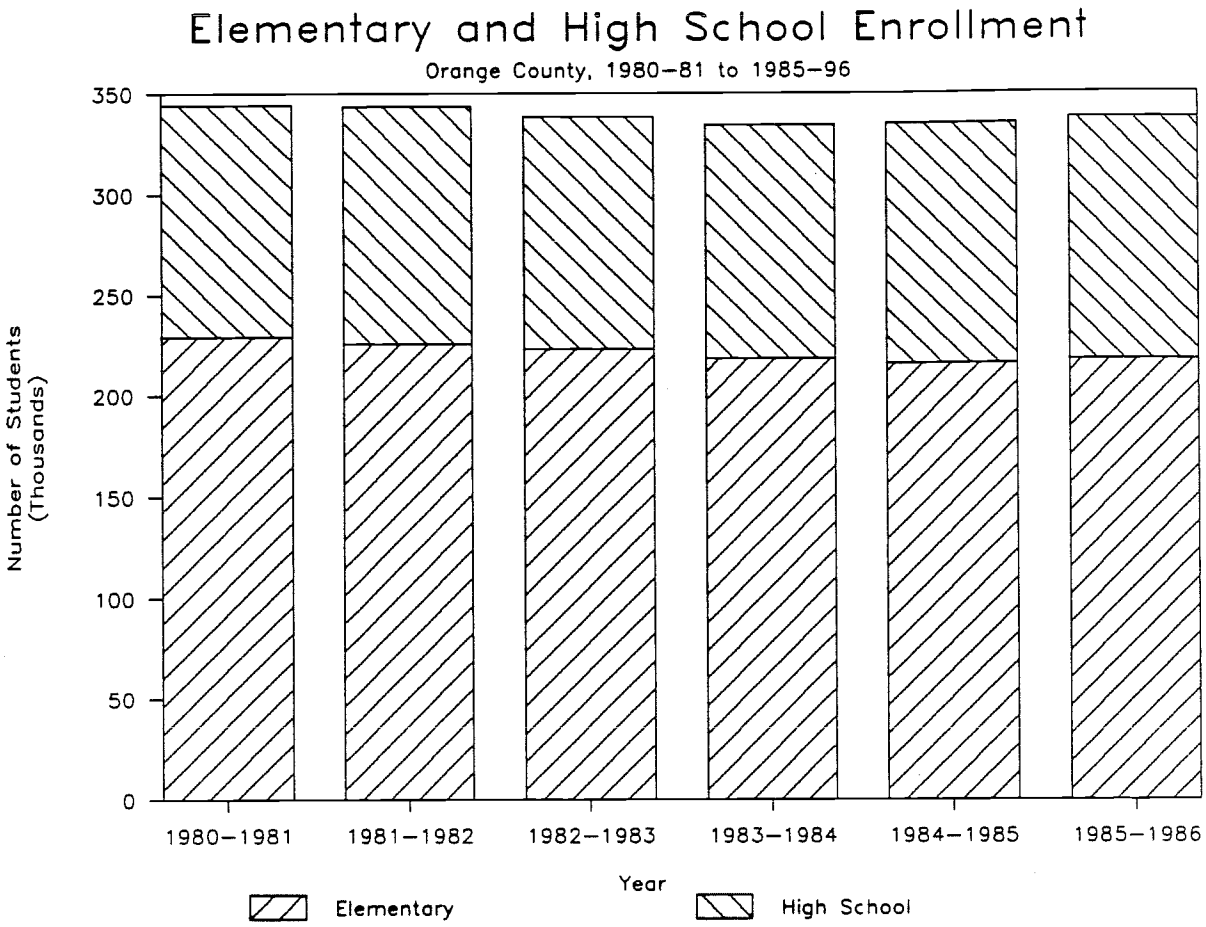
Table 3-11 (Cont.)

Enrollment by School District, Orange County, 1980-81 to 1985-86

School District	1983-84 Elementary	1983-84 High School	1983-84 Total	1984-85 Elementary	1984-85 High School	1984-85 Total	1985-86 Elementary	1985-86 High School	1985-86 Total
Anaheim Elementary	11,454	0	11,454	11,693	0	11,693	12,219	0	12,219
Anaheim Union High	7,805	15,857	23,662	7,296	16,123	23,419	6,914	15,930	22,844
Brea-Olinda Unified	2,813	1,602	4,415	2,854	1,596	4,450	2,874	1,565	4,439
Buena Park Elementary	3,530	0	3,530	3,625	0	3,625	3,715	0	3,715
Capistrano Unified	11,384	6,125	17,509	11,642	6,553	18,195	12,179	6,921	19,100
Centralia Elementary	3,735	0	3,735	3,880	0	3,880	3,937	0	3,937
Cypress Elementary	3,341	0	3,341	3,205	0	3,205	3,286	0	3,286
Fountain Valley Elementary	6,839	0	6,839	6,439	0	6,439	6,252	0	6,252
Fullerton Elementary	9,548	0	9,548	9,328	0	9,328	9,532	0	9,532
Fullerton Joint Union High	0	11,864	11,864	0	12,563	12,563	0	12,739	12,739
Garden Grove Unified	24,293	12,324	36,617	24,297	12,272	36,569	24,325	12,055	36,380
Huntington Beach City Element	5,676	0	5,676	5,472	0	5,472	5,349	0	5,349
Huntington Beach Union High	15	18,160	18,175	12	18,223	18,235	15	17,882	17,897
Irvine Unified	10,998	5,088	16,086	11,023	5,450	16,473	11,768	5,782	17,550
La Habra City Elementary	4,122	0	4,122	4,025	0	4,025	4,094	0	4,094
Laguna Beach Unified	1,358	1,018	2,376	1,277	1,078	2,355	1,306	1,006	2,312
Los Alamitos Unified	3,788	2,106	5,894	3,569	2,315	5,884	3,639	2,347	5,986
Magnolia Elementary	3,900	0	3,900	3,952	0	3,952	4,158	0	4,158
Newport-Mesa Unified	9,858	6,872	16,730	9,519	6,932	16,451	9,453	6,743	16,196
Ocean View Elementary	9,643	0	9,643	8,975	7	8,982	8,750	0	8,750
Orange County Schools	484	877	1,361	482	1,022	1,504	534	982	1,516
Orange Unified	16,168	9,065	25,233	15,801	9,222	25,023	15,282	9,125	24,407
Placentia Unified	10,870	5,846	16,716	10,636	6,082	16,718	10,771	6,472	17,243
Saddleback Valley Unified	13,170	7,206	20,376	12,815	7,506	20,321	12,845	7,701	20,546
Santa Ana Unified	26,294	7,897	34,191	26,931	8,324	35,255	27,771	8,552	36,323
Savanna Elementary	1,557	0	1,557	1,554	0	1,554	1,533	0	1,533
Seal Beach Elementary	0	0	0	0	0	0	0	0	0
Tustin Unified	5,976	4,251	10,227	6,020	4,171	10,191	5,857	4,159	10,016
Westminster Elementary	7,678	0	7,678	7,427	0	7,427	7,383	0	7,383
Yorba Linda Elementary	1,811	0	1,811	1,763	0	1,763	1,748	0	1,748
Total	218,108	116,158	334,266	215,512	119,439	334,951	217,489	119,961	337,450

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: computer printout, 1980 to 1985).

Figure 3-11



Source: California Department of Education, CBEDS Data Collection (Sacramento: 1980 to 1985).

Table 3-12

Enrollment by School District by City, Orange County, 1985-86

School District	City/Area Served	Enrollment: City/Area	Enrollment: District Total
Anaheim Elementary	Anaheim	12,219	12,219
Anaheim Union High	Anaheim	16,862	22,844
	Buena Park	112	
	Cypress	2,782	
	La Palma	3,088	
Brea-Olinda Unified	Brea	4,439	4,439
Buena Park Elementary	Buena Park	3,715	3,715
Capistrano Unified	Capistrano Beach	645	19,100
	Dana Point	3,209	
	Laguna Niguel	2,274	
	Mission Viejo	5,973	
	San Clemente	4,152	
	San Juan Capistrano	2,847	
Centralia Elementary	Anaheim	485	3,937
	Buena Park	2,587	
	La Palma	865	
Cypress Elementary	Buena Park	385	3,286
	Cypress	2,442	
	La Palma	459	
Fountain Valley Elementary	Fountain Valley	4,341	6,252
	Huntington Beach	1,911	
Fullerton Elementary	Fullerton	9,532	9,532
Fullerton Joint Union High	Buena Park	1,708	12,739
	Fullerton	7,584	
	La Habra	3,447	
Garden Grove Unified	Fountain Valley	2,750	36,380
	Garden Grove	26,254	
	Santa Ana	3,972	
	Stanton	290	
	Westminster	3,114	
Huntington Beach City Elementary	Huntington Beach	5,349	5,349
Huntington Beach Union High	Fountain Valley	3,367	17,897
	Huntington Beach	11,716	
	Westminster	2,814	
Irvine Unified	Irvine	16,875	17,550
	Santa Ana	675	
La Habra City Elementary	La Habra	4,094	4,094
Laguna Beach Unified	Laguna Beach	2,312	2,312
Los Alamitos Unified	Los Alamitos	5,285	5,986
	Seal Beach	701	
Magnolia Elementary	Anaheim	3,511	4,158
	Stanton	647	
Newport-Mesa Unified	Corona Del Mar	661	16,196

Table 3-12 (Cont.)

Enrollment by School District by City, Orange County, 1985-86

School District	City/Area Served	Enrollment: City/Area	Enrollment: District Total
	Costa Mesa	9,142	
	Newport Beach	6,393	
Ocean View Elementary	Fountain Valley	617	8,750
	Huntington Beach	7,284	
	Midway City	460	
	Westminster	389	
Orange County Schools	Buena Park	62	1,516
	Costa Mesa	20	
	Cypress	62	
	Dana Point	10	
	Elsinor	76	
	Fountain Valley	27	
	Garden Grove	112	
	Huntington Beach	172	
	Irvine	18	
	Mission Viejo	39	
	Orange	361	
	Placentia	43	
	Santa Ana	466	
	Trabuco Canyon	48	
Orange Unified	Anaheim	5,959	24,407
	Garden Grove	761	
	Orange	13,478	
	Santa Ana	603	
	Silverado	112	
	Villa Park	3,494	
Placentia Unified	Anaheim	4,786	17,243
	Fullerton	428	
	Placentia	9,348	
	Yorba Linda	2,681	
Saddleback Valley Unified	El Toro	7,486	20,546
	Laguna Hills	3,230	
	Mission Viejo	9,718	
	Trabuco Canyon	112	
Santa Ana Unified	Santa Ana	35,926	36,323
	Tustin	397	
Savanna Elementary	Anaheim	1,533	1,533
Tustin Unified	Santa Ana	4,052	10,016
	Tustin	5,964	
Westminster Elementary	Garden Grove	858	7,383
	Huntington Beach	1,827	
	Midway City	384	
	Westminster	4,314	

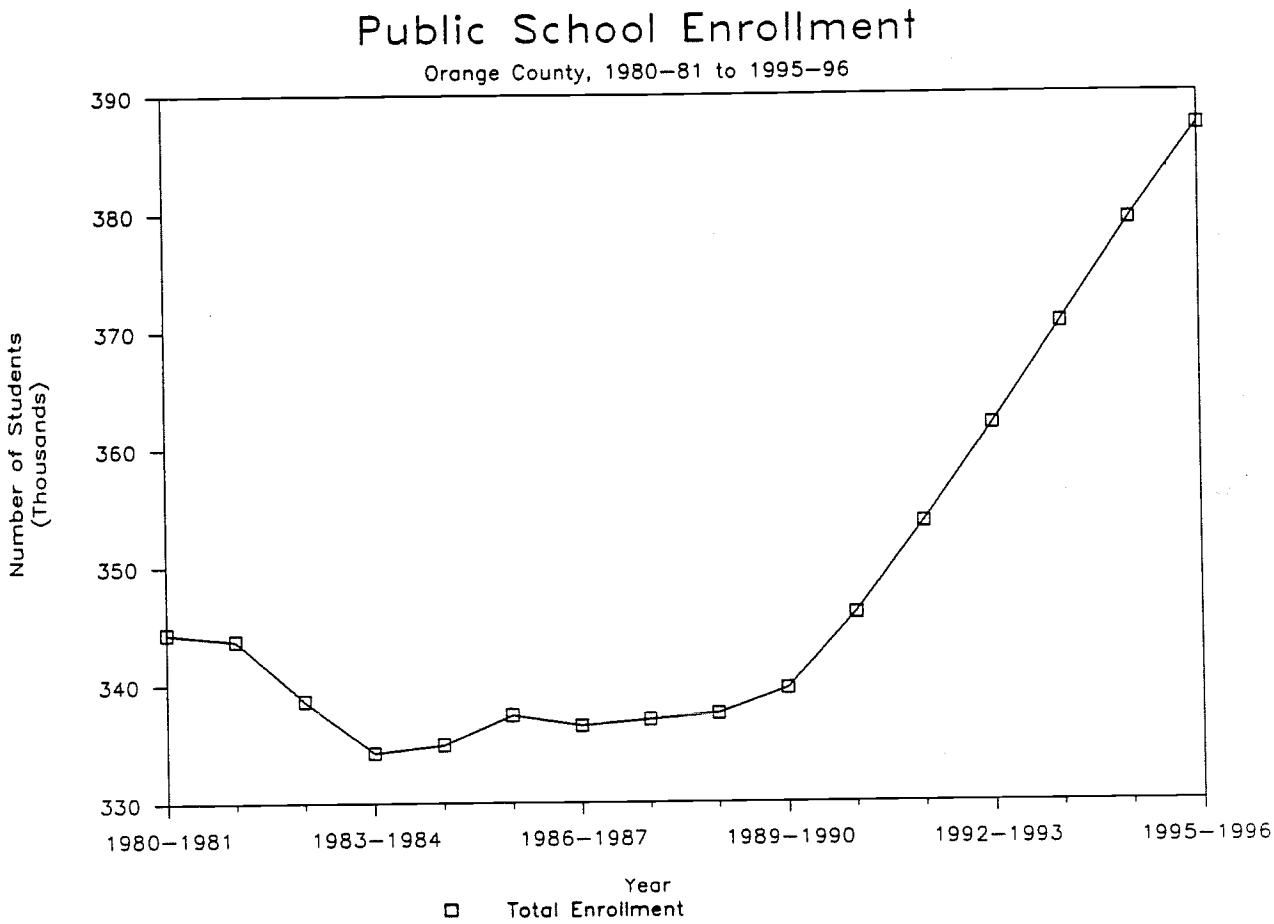
Table 3-12 (Cont.)

Enrollment by School District by City, Orange County, 1985-86

School District	City/Area Served	Enrollment	
		City/Area	District Total
Yorba Linda Elementary	Yorba Linda	1,748	1,748
Total		337,450	337,450

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: 1985).

Figure 3-12



Source: California Department of Finance, Projection Summary, K-12 Public School Enrollment, Total Graded Enrollment by County by School Year (Sacramento: 1986).

Table 3-13

Vehicle Miles of Travel, Orange County, 1979-1985

Year	State Highways: Millions of Vehicle Miles of Travel	State Highways: Percent	All Other Roads: Millions of Vehicle Miles of Travel	All Other Roads: Percent	Total Millions of Vehicle Miles of Travel
1979	7,115	57.4	5,273	42.6	12,388
1980	6,966	58.7	4,894	41.3	11,860
1981	7,346	59.8	4,945	40.2	12,291
1982	7,555	57.5	5,584	42.5	13,139
1983	7,913	56.1	6,195	43.9	14,108
1984	8,177	49.1	8,492	50.9	16,669
1985	8,319	47.5	9,179	52.5	17,498

Source: California Department of Transportation, Vehicle Miles of Travel by County, 1979 through 1983 (Sacramento).
California Department of Transportation, Estimates of Annual Vehicle Miles of Travel on Public Roads by County, 1984 and 1985 (Sacramento).

percent of the vehicle miles of travel in each of these years occurred on state highways.

The primary north-south routes in Orange County are the Santa Ana Freeway (Interstate 5), and the San Diego Freeway (Interstate 405), which joins the Santa Ana Freeway at Corona Del Mar. There is no major east-west route in the county. The present state freeway and expressway system in Orange County is inadequate and unable to efficiently handle the current traffic demand. Lack of construction, deterioration of the roads, and use of the roads other than what they were designed for, have caused the traffic carrying capabilities of the freeway system to be seriously impaired (Orange County Environmental Management Agency, 1985).

The Atichson, Topeka, and Santa Fe Railroad provides freight service in Orange County.

3.6.7.2 Marine

There is no major port facility in Orange County for deep-draft, ocean-going vessels to anchor and load and off-load cargo. Several areas along the coastline provide port facilities for commercial fishing vessels and recreational boaters. These sites are discussed more fully in Section 3.10.1.

3.6.7.3 Air

There are three airports in Orange County with landing facilities open to the public. These serve primarily privately owned aircraft. Commercial service is available at the John Wayne Airport, located in Santa Ana and owned by Orange County. Of the remaining two facilities, Meadowlark Airport in Huntington Beach is privately owned, and Fullerton Municipal in Fullerton is owned by the city of Fullerton. No commercial service is available at these two airports. Table 3-14 provides information about selected characteristics of these airports which are still in use.

In addition, there are three military airports in the county. Characteristics of these airports are included in Table DS 3-15. There are also seven publicly owned helipads and 28 privately owned helipads in Orange County which are not open for use by the general public.

3.7 Public Finance Profile

Table 3-15 provides a summary of county and city public finance in fiscal years 1980 and 1985 expressed in 1986 dollars. This summary table includes total revenue, total expenditures, net fiscal balance, outstanding debt, and per capita taxes. The total outstanding debt shown in Table 3-15 includes principal and interest payments on long term bonds (except Special Assessment Act bonds) and Lease-Purchase obligations. The per capita tax shown is based on total taxes divided by the total population.

A list of the line items included in the revenue and expenditures categories is included in Table DS 3-16. The disaggregated revenue figures shown in the table are directly comparable between years and governmental units; disaggregated expenditures are not. A complete

Table 3-14

Airport Facilities, Orange County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways	Longest Runways (in feet)	Number of Operations Per Year
Fullerton	Fullerton Municipal	City of Fullerton	Yes	1	3,121	Air Taxi - 3,577 (a) General Aviation - 156,091 (a) Military - 41 (a)
Huntington Beach	Meadowlark	Private	No	1	2,330	General Aviation - 23,000 (a)
Santa Ana	John Wayne Airport-Orange County	Orange County	Yes	2	5,700	Air Carrier - 31,796 (a) Air Taxi - 2,652 (a) Commuter - 13,253 (a) General Aviation - 444,409 (a) Military - 2,214 (a)

Source: Aircraft Owners and Pilots Association, AOPA's Airports USA (Frederick, MD: 1987).
U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

(a) - Operations for 12 months during various months in 1986.

Note: There are seven public helipads used primarily by hospitals, police, and fire services and 28 private helipads listed in the Airport Master Record which are not included in this table.

Table 3-15

Government Finance for Orange County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Total Revenue		Total Expenditures		Fiscal Balance (a)		Total Outstanding Debt		Per Capita Tax Rate (in 1986 dollars)	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Anaheim	$115,350	$339,290	$119,321	$337,868	(83,971)	$1,422	$37,244	$238,778	$186	$222
Brea	17,952	23,093	16,789	20,821	1,164	2,272	2,620	1,564	207	266
Buena Park	21,644	48,442	21,030	24,452	614	23,990	3,374	1,827	194	239
Costa Mesa	38,712	44,272	30,900	38,126	7,812	6,146	4,695	3,069	250	314
Cypress	10,290	11,093	7,695	10,008	2,595	1,085	944	525	117	130
Fountain Valley	13,875	18,583	15,276	17,031	(1,402)	1,552	1,123	377	112	127
Fullerton	36,063	48,119	36,481	47,912	(418)	207	2,038	252	160	180
Garden Grove	34,596	43,669	35,570	40,287	(974)	3,382	4,416	2,625	114	129
Huntington Beach	59,644	81,026	61,062	73,205	(1,418)	7,821	8,805	11,217	200	212
Irvine	36,455	46,051	33,810	36,151	2,645	9,900	22,517	14,711	242	372
Laguna Beach	13,985	17,087	12,172	16,669	1,813	419	333	0	317	384
La Habra	16,871	18,343	15,790	16,661	1,081	1,682	0	0	144	147
La Palma	2,712	6,336	2,689	5,651	23	685	1,390	772	84	97
Los Alamitos	4,104	4,131	3,377	4,301	728	(169)	0	0	184	181
Newport Beach	35,133	57,135	31,146	53,892	3,987	3,243	299	45	302	387
Orange	37,013	47,433	33,374	42,114	3,639	5,319	5,845	1,926	214	244
Placentia	9,600	10,626	10,241	9,261	(641)	1,364	1,164	693	149	180
San Clemente	10,998	23,551	13,970	17,679	(2,973)	5,872	3,099	1,498	138	181
San Juan Capistrano	6,155	8,497	5,982	7,525	173	972	918	457	126	149
Santa Ana	72,581	106,962	71,491	101,076	1,089	5,886	6,291	3,505	200	214
Seal Beach	8,191	10,231	8,722	11,343	(531)	(1,113)	1,233	3,185	126	176
Stanton	5,309	7,169	6,429	7,183	(1,120)	(15)	0	0	118	114
Tustin	10,458	20,087	8,814	21,017	1,644	(930)	2,241	2,534	202	194
Villa Park	1,269	1,336	1,079	1,224	190	112	0	0	81	94
Westminster	17,970	21,426	16,809	21,857	1,161	(432)	2,421	1,356	124	150
Yorba Linda	7,773	8,886	7,320	8,953	452	(66)	0	0	38	100
City Subtotal	$644,703	$1,072,871	$627,338	$992,265	$17,364	$80,606	$113,007	$290,916	$180	$212

Table 3-15 (Cont.)

Government Finance for Orange County and Its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Total Revenue		Total Expenditures		Fiscal Balance (a)		Total Outstanding Debt		Per Capita Tax Rate (in 1986 dollars)	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
County	$561,171	$725,162	$551,000	$710,375	$10,171	$14,787	$4,575	$6,281	$75	$91
City and County	$1,205,874	$1,798,033	$1,178,339	$1,702,641	$27,535	$95,392	$117,583	$297,197	$124	$147

Source: California State Controller's Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controller's Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
See date supplement table entitled "Government Finance for Orange County and Its Cities, Fiscal Years 1980 and 1985" for a listing of the line items making up individual categories.

(a) - Negative values are expressed in parentheses.

listing of the expenditure categories used in each year and by each level of government is shown in Table DS 3-17.

During fiscal year 1980 revenue to Orange County totaled $561.2 million while expenditures were $551.0 million. Total city and county revenue totaled $1,205.9 million in fiscal year 1980 while total city and county expenditures were $1,178.3 million. In fiscal year 1980, the cities of Anaheim, Fountain Valley, Fullerton, Garden Grove, Huntington Beach, Placentia, San Clemente, Seal Beach, and Stanton experienced a negative fiscal balance. In 1985, the cities of Los Alamitos, Seal Beach, Stanton, Tustin, Westminster, and Yorba Linda experienced a fiscal shortfall. A more detailed profile of county and city revenue and expenditures is included in the data supplement (see Table DS 3-17).

The average effective commercial tax rate in Orange County is 1.09 percent per $100 of value for the areas north of Laguna Beach. In the areas south of Laguna Beach, the average effective commercial tax rate is between 1.25 and 1.60 percent per $100 of value. This is due to the later incorporation of these cities. The basic tax rate, which is 1.0 percent per $100 of value, does not differentiate between commercial and residential property. Any outstanding bonds and long-term debts, along with city taxes, are included in the tax rate. Personal property, assessed separately from real property, is assessed every year and depreciated according to a schedule supplied by the state Tax Assessor's Office. Real property is assessed each year and reappraised to market value only if the property is sold, if there is new construction or there is a loss due to a natural or manmade disaster. The property may also be assessed if the market value applied to the property has been contested. If there has been no assessment, real property is appreciated by a factor supplied by the state Tax Assessor's Office in Sacramento and based on the Consumer Price Index. The maximum amount the property may be appreciated is 2.0 percent of the present value of the property (Wendy Shults, Orange County Tax Assessor's Office, personal communication, 1987).

3.8 Energy Consumption Profile

Electricity in Orange County is provided by the city of Anaheim, Southern California Edison, and San Diego Gas and Electric. Table 3-16 details electricity consumption in the county in 1984 by operating sector and company. The commercial sector was the largest consumer of kilowatt hours. Southern California Gas provides natural gas in Orange County. Table 3-17 provides information on gas consumption in the county in 1984 by operating sector. The commercial sector was the largest consumer of gas in terms of consumption units and revenue.

3.9 Land Use Profile

A profile of land use in Orange County in 1981 is shown in Table 3-18. The information in this table comes from the periodic land use surveys prepared by the California Department of Water Resources. Four classes of land use are presented in this survey -- agriculture, native, urban, and recreation -- and more detail is added through the use of subclasses. There is also an unclassified category used in the survey although it was not used in classifying land use in Orange County. Under this

Table 3-16

Electricity Consumption by Sector, Orange County, 1984

Sector	Company	Sales (Kilowatt Hours)	Revenue (a)	Average Cost Per Kilowatt Hour (b)
Residential	City of Anaheim	485,694,365	$38,939,230	$12.47
	Southern California Edison	3,689,573,654	NA	NA
	San Diego Gas & Electric	226,301,659	26,923,595	8.41
	Total	4,401,569,678	NA	NA
Commercial	City of Anaheim	809,682,568	68,726,658	11.78
	Southern California Edison	4,374,237,609	NA	NA
	San Diego Gas & Electric	243,335,512	30,919,509	7.87
	Total	5,427,255,689	NA	NA
Industrial	City of Anaheim	568,025,157	48,063,715	11.82
	Southern California Edison	2,979,605,378	NA	NA
	San Diego Gas & Electric	15,444,888	1,962,512	7.87
	Total	3,563,075,423	NA	NA
Agriculture	City of Anaheim	21,943,458	1,738,152	12.62
	Southern California Edison	116,203,088	NA	NA
	San Diego Gas & Electric	9,460,266	1,202,072	7.87
	Total	147,606,812	NA	NA
Unclassified	Southern California Edison	95,097,863	NA	NA
	San Diego Gas & Electric	60,630,938	7,704,091	7.87
	Total	155,728,801	NA	NA

Table 3-16 (Cont.)

Electricity Consumption by Sector, Orange County, 1984

Sector	Company	Sales (Kilowatt Hours)	Revenue (a)	Average Cost Per Kilowatt Hour (b)
Total		13,695,236,403	NA	NA

Source: California Energy Commission, Assessments Division, Electricity in KWH by County (Sacramento: computer printout, 1987).

(a) - Expressed in 1986 dollars.

(b) - Calculated as sales divided by revenue. Expressed in 1986 dollars.

NA - Not available.

Table 3-17

Gas Consumption by Sector, Orange County, 1984

Sector	Company	Sales (Therms) (a)	Revenue (b)	Average Cost Per Therm (c)
Residential	Southern California Gas	269,817,718	$166,795,990	$1.62
Commercial	Southern California Gas	317,397,641	189,762,448	1.67
Industrial	Southern California Gas	195,468,597	111,058,259	1.76
Agriculture	Southern California Gas	4,626,860	3,506,801	1.32
Unclassified	Southern California Gas	133,769,354	79,400,700	1.68
Total		921,080,170	$550,524,198	$1.67

Source: California Energy Commission, Assessments Division, Gas in Therms by County (Sacramento: computer printout, 1987).

(a) - A therm is defined as approximately 100 cubic feet of natural gas.

(b) - Expressed in 1986 dollars.

(c) - Calculated as sales divided by revenue. Expressed in 1986 dollars.

Table 3-18

Land Use in Orange County, 1981

Land Use	Amount of Land: Hectares	Amount of Land: Acres	Percent
Agriculture	21,870	54,001	10.5
Native Classes (a)	101,630	250,938	49.0
Urban Residential	50,856	125,570	24.5
Urban Commercial	10,790	26,641	5.2
Urban Industrial	7,845	19,371	3.8
Extracting Industries (b)	2,777	6,856	1.3
Urban Vacant	13,442	33,189	6.5
Suburban Residential	769	1,899	0.4
Recreational Residential	22	55	0.0
Recreational Commercial	8	20	0.0
Recreational Vehicle and Camp Site	111	275	0.1
Total	207,343	511,959	100.0

Source: California Department of Water Resources, Land Use in Acres, County Summary (Sacramento: 1981).

(a) - Includes native vegetation, riparian vegetation, water surface, barren and wasteland, and unsegrated native classes.

(b) - Includes oil fields, rock quarries, gravel pits, public dumps, rock and gravel processing plants. The figure is not included in the total.

classification scheme, 49.0 percent of the land in the county is in the native classes category. This category includes native vegetation, water surface, barren and wasteland, and unsegregated native classes. The total area of the county calculated in this survey is 3,855 hectares (9,519 acres) greater than that shown in Section 3-1. The reason for this is that the sources of the information differ. (Note: The sources used for land and water area in Section 3.1 and the results of the land use survey presented in this section are both from the California Department of Water Resources. The land use survey does not provide information on total land and total water area as separate components of total area and, therefore, could not be used in Section 3.1.)

Characteristics of land use in Orange County as presented in the county's General Plan are shown in Table 3-19. Under the classification scheme used in the General Plan, 47.5 percent of the land is in the incorporated area and 52.5 percent is in the unincorporated area. Within the unincorporated area, 34.1 percent of the total area in the county is open space and 15.8 percent of the total area in the county is residential. Much of the open space land is in the Cleveland National Forest.

The total area for the county in Tables 3-18 and 3-19 differs. The sources used for the two tables differ.

Table 3-20 shows acreage used for regional inland and coastal recreation facilities in Orange County in 1983. Regional recreation facilities offer recreational or scenic attractions (e.g., picnicking, nature study, swimming pools) that area of countywide significance and not generally available in local parks. About 5,638 hectares (13,921 acres) are devoted to regional recreational facilities. In 1983, there were 20 regional parks, 13 county beaches, and 3 county harbors in Orange County (Orange County Environmental Management Agency, 1984).

A profile of federal land use in the county is presented in Table 3-21 based on information provided by the General Services Administration. The total land area leased or owned by the federal government in Orange County is 32,316 hectares (79,793 acres). This accounts for about 15.9 percent of the land area of the county, compared to the state proportion of 47.9 percent. The U.S. Department of the Navy and the U.S. Department of the Army own or lease 9,354 hectares (23,096 acres) and 612 hectares (1,510 acres), respectively. The remainder of the land is owned or leased by various federal agencies. The National Forest Service owns the majority of the land, 22,012 hectares (54,349 acres).

The number of farms and land used for farming in Orange County in 1969, 1974, 1978, and 1982 are shown in Table 3-22. In 1982, 32.4 percent of the land in the county was used for farming.

3.10 Characteristics of Other Marine Activities

3.10.1 Port Capacity and Marine Traffic

A harbor is an area along the coast which may provide protection and shelter to ocean-going vessels. Some harbors, large and deep enough to support heavy boat traffic and in the vicinity of a city or town, contain a collection of terminal or port facilities. These harbors are sometimes

Table 3-19

Aggregated Land Use Categories
Orange County, 1985

Land Use	Hectares	Acres	Percent of Total County
Incorporated Area	92,865	229,297	47.5
Unincorporated Area	102,753	253,712	52.5
Residential	30,967	76,461	15.8
Commercial	1,112	2,746	0.6
Employment	1,494	3,689	0.8
Public Facilities	2,188	5,402	1.1
Open Space	66,632	164,523	34.1
Urban Activity Center	361	891	0.2
Total	195,619	483,009	100.0

Source: Orange County Environmental Management Agency, Orange County General Plan, Component II: Land Use Element, (Santa Ana: 1986).

Table 3-20

Regional Inland and Coastal Recreation Facility Acreage
Orange County, 1983

Recreation Facilities and Parks	Hectares	Acres	Percent of County Total
Inland Regional Recreation Facilities			
Urban Regional Parks	865.5	2,137.0	15.4
Natural Regional Parks	1,012.5	2,500.0	18.0
Wilderness	3,310.5	8,174.0	58.7
Historical Sites	4.0	9.8	0.1
Total	5,192.4	12,820.8	92.1
Coastal Regional Recreation Facilities	445.7	1,100.4	7.9
Total	5,638.1	13,921.2	100.0

Source: Orange County Environmental Management Agency, Orange County General Plan, Component II: Recreation Element, (Santa Ana: 1984).

Note: Regional recreation facilities offer recreational or scenic attractions of countywide significance that are not generally available in local parks.

Table 3-21

Acreage Owned/Leased by the Federal Government
Orange County, 1986

	Hectares	Acres	Percent of Total
Total	32,316.2	79,793.0	100.0
Owned	32,192.1	79,486.7	99.6
Leased	124.1	306.3	0.4
Urban	3,554.6	8,776.9	11.0
Owned	3,521.8	8,695.9	10.9
Leased	32.8	81.0	0.1
Rural	28,761.5	71,016.1	89.0
Owned	28,670.3	70,790.8	88.7
Leased	91.2	225.3	0.3
Military	9,965.5	24,606.2	30.8
Owned	9,874.3	24,380.9	30.6
Leased	91.2	225.3	0.3
Nonmilitary	22,441.9	55,412.1	69.4
Owned	22,317.8	55,105.8	69.1
Leased	124.1	306.3	0.4

Source: General Services Administration (Washington D.C. computer printout, microfiche, 1987).

Table 3-22

Farms in Orange County 1969, 1974, 1978, and 1982

Characteristic	1969	1974	1978	1982
Number of Farms	1,174	666	583	574
Land in Farms				
Hectares	74,487.6	67,556.0	67,929.8	66,931.1
(Acres)	(183,920)	(166,805)	(167,728)	(165,262)
Average Farm Size				
Hectares	63.6	101.3	116.6	116.6
(Acres)	(157)	(250)	(288)	(288)
Percent of County Land in Farms	36.7	33.3	33.6	32.4
Percent of California Land in Farms	0.5	0.5	0.5	0.5
Percent of Total Farms in California	1.5	1.0	0.7	0.7

Source: U.S. Department of Commerce, Bureau of the Census, 1974 and 1982 Census of Agriculture, vol. 1, part 5.

called ports and may or may not contain the name of its affiliated city. Other harbors are simply coves, where boaters may find limited protection from a storm. Port facilities may exist that allow for the loading and off-loading of goods but do not provide a shelter for vessels. Temporary and permanent mooring accommodations for vessels may also be provided.

There is no major port facility for deep-draft, ocean-going vessels in Orange County. The port facilities available along the coastline of the county are used by commercial fishing vessels and recreational boaters. Small-craft facilities are located at Huntington Harbor, Newport Bay, and Dana Point Harbor. Huntington Harbor is a small-boat basin located just south of Anaheim Bay. The harbor, which is a private development, is entered through Anaheim Bay. Port facilities available at Huntington Harbor are mostly private. There are over 2,040 private berths and over 263 commercial berths. Water, fuel, and marine supplies are also available at Huntington Harbor. Sunset Aquatic Park, a regional park operated by the Orange County Harbors, Beaches, and Parks District, also provides anchorage and mooring for recreational and commercial boaters. Anaheim Bay, located south of Long Beach, is the site of the U.S. Naval Weapons Station. The waters inside the jetties of the Weapons Station are in a danger zone and entrance into the bay is restricted. Permission must be obtained from the U.S. Naval Weapons Station for entrance into Anaheim Bay. An explosive anchorage has been established east of the entrance channel into the bay. This area is reserved for use by naval vessels carrying or transferring ammunition or explosives. Use by pleasure boats and commercial vessels is prohibited unless permission is first obtained from the Commanding Officer of the U.S. Naval Weapons Station (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1987). Approximately 1.5 kilometers (0.8 nautical miles) southwest and 3.3 kilometers (1.8 nautical miles) west southwest of the entrance to the bay are located two, lighted oil production islands (Pacific Boating Almanac, 1983).

Newport Bay is an extensive lagoon located just south of Anaheim Bay. The bay is protected on its ocean side by a 5 kilometer (3 mile) sandspit. Good anchorage can be found in the bay in all types of weather. Newport Harbor is operated by the Orange County Harbors, Beaches, and Parks District. Port facilities are available in the harbor for commercial fishing vessels and recreational boaters. Repair facilities are also available, with a marine railway capable of hoisting craft weighing up to 325 tons and 45 meters (150 feet) in length. Fuel, water, and marine supplies are also available in the bay area (Pacific Boating Almanac, 1983).

From Newport Bay south to Dana Point the coastline becomes more rugged and rocky. The city of Laguna Beach is located midway along the coast and is the site of a fishing and pleasure pier. Dana Point is located 21.3 kilometers (11.5 nautical miles) south of Newport Bay. Port facilities are found at Dana Point Harbor. The harbor, which is administered by the Orange County Harbor, Beaches, and Park District, consists of two basins and is protected on all sides. The west basin, which has over 1,000 berths, is separated from the east basin by a fixed highway bridge. The east basin has over 1,400 berths for use by commercial fishing vessels and recreational boaters. Transient berths,

fuel, water and marine supplies are also available in the harbor (Pacific Boating Almanac, 1983).

There are numerous other sites in Orange County which have facilities for off-loading fish. These are discussed in Section 3.10.2.

3.10.2 Commercial Fishing Summary

There is no major port for commercial fishing activity in Orange County. Landings of fish are made at the following ports: Newport Beach, Dana Point, Balboa, Huntington Beach, Laguna, Costa Mesa, Seal Beach, Anaheim, Los Alamitos, San Clemente, San Clemente Island, Capistrano, Westminster, Mission Viejo, and Santa Ana. Landings, by weight (1980 to 1985), of major species, for all ports in Orange County are presented in Table 3-23. Summary statistics by major species, for all ports in Orange County, 1980 and 1985, are provided in Table 3-24. In 1980, landings by weight for all ports totaled approximately 0.5 million pounds. In 1985, landings by weight for all ports were 0.3 million pounds. The value of landings for ports in Orange County is not available.

In 1980, "other" fish accounted for the largest percent of total landings by weight for all ports in Orange County with 33.4 percent (see Table 3-24). The other major species with landings of 10 percent or more of the total weight in 1980 were shark, skates, and ray (20.2 percent), crab, lobster, and crayfish (13.2 percent), and rockfish (10.7 percent). In 1985, "other" invertebrates accounted for the largest percent of total landings by weight (23.2 percent). Other major species with landings of 10 percent or more of the total weight in 1985 were "other" fish (20.9 percent), crab, lobster, and crayfish (20.2 percent), and flatfish, which includes flounder, halibut, sole, and turbot, (14.0 percent). A list of fish included in each major species is provided in Table DS 3-19.

3.10.3 Recreational Fishing Activities

Marine recreational fishing statistics for 1980 and 1985 are presented in Tables 3-25, 3-26, 3-27, and 3-28. These are based on the annual estimates of marine recreational fishing activity by the National Marine Fisheries Service (NMFS). The statistics in these four tables cover the NMFS defined area of southern California which includes the following six coastal counties: San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego. The annual estimates are prepared based on combined telephone/interview surveys conducted for six 2-month periods beginning in January and ending in December of each year. Data collected in the interview survey include: fishing mode; residence of participant; area of fishing; avidness of fishermen; and amount, weight and length, by species, of catch. Data collected in the telephone survey cover presence of marine recreational fishermen in household, number of fishermen per household, number of fishing trips in a 2-month period, location of each trip, location of household, and type of place from which the trip occurred.

The number of participants in marine recreational fishing in southern California was estimated to be 2.41 million persons in 1980 and 1.39 million persons in 1985. The number of southern California coastal residents involved in marine recreational fishing was estimated to be

Table 3-23

Landings, by Weight (1980 to 1985) and Value (1980 and 1985), of Major Species, Other Ports, Orange County

Major Species	Weight of Landings (Pounds)						Average Weight	Value of Landings (in 1986 dollars)	
	1980	1981	1982	1983	1984	1985	1980 to 1985	1980	1985
Crustaceans									
Crab, Lobster and Crayfish	64,129	97,124	87,170	76,884	54,233	60,379	73,319.8	NA	NA
Shrimp and Prawns	0	0	0	0	266	571	139.5	NA	NA
Flatfish	16,009	20,885	24,442	24,600	27,529	41,671	25,856.0	NA	NA
Hake and Cod	35	0	0	0	0	0	5.8	NA	NA
Herring and Anchovy	0	0	0	3,792	0	0	632.0	NA	NA
Lingcod	0	31	526	123	154	0	139.0	NA	NA
Marine Plants	0	0	0	32	10	0	7.0	NA	NA
Mollusk	38,140	36,764	47,642	27,737	12,706	10,638	28,937.8	NA	NA
Other - Fish	161,811	85,202	77,358	60,670	119,462	62,527	94,505.0	NA	NA
- Invertebrates	23,640	235,292	72,461	358,471	107,640	69,405	144,484.8	NA	NA
- Vertebrates	0	0	0	0	0	0	0.0	NA	NA
Rockfish	51,801	44,965	81,017	21,676	17,715	22,915	40,014.8	NA	NA
Sablefish	24,125	58	178	68	0	308	4,122.8	NA	NA
Salmon	9	0	16,159	154	0	0	2,720.3	NA	NA
Sanddab	109	0	154	0	77	58	66.3	NA	NA
Shark, Skates and Ray	98,076	78,333	81,416	29,322	48,411	28,295	60,642.2	NA	NA
Smelt	0	0	0	0	0	0	0.0	NA	NA
Tuna	7,270	6,615	20,853	6,248	9,448	1,800	8,705.7	NA	NA
Subtotal: Finfish (a)	359,245	386,179	297,206	444,454	210,974	164,452	310,418.3	NA	NA
Total	485,154	605,269	509,376	609,777	397,651	298,567	484,299.0	NA	NA

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna and other fish.

NA - Not available.

Table 3-24

Commercial Fishing Summary by Major Species, Other Ports, Orange County, 1980 to 1985 (a)

Major Species	1980 Percent of Total Pounds	1980 Percent of Total Value of Landings	1980 Unit Price	1985 Percent of Total Pounds	1985 Percent of Total Value of Landings	1985 Unit Price
Crustaceans						
Crab, Lobster and Crayfish	13.2	NA	NA	20.2	NA	NA
Shrimp and Prawns	0.0	NA	NA	0.2	NA	NA
Flatfish	3.3	NA	NA	14.0	NA	NA
Hake and Cod	0.0	NA	NA	0.0	NA	NA
Herring and Anchovy	0.0	NA	NA	0.0	NA	NA
Lingcod	0.0	NA	NA	0.0	NA	NA
Marine Plants	0.0	NA	NA	0.0	NA	NA
Mollusk	7.9	NA	NA	3.6	NA	NA
Other - Fish	33.4	NA	NA	20.9	NA	NA
- Invertebrates	4.9	NA	NA	23.2	NA	NA
- Vertebrates	0.0	NA	NA	0.0	NA	NA
Rockfish	10.7	NA	NA	7.7	NA	NA
Sablefish	5.0	NA	NA	0.1	NA	NA
Salmon	0.0	NA	NA	0.0	NA	NA
Sanddab	0.0	NA	NA	0.0	NA	NA
Shark, Skates and Ray	20.2	NA	NA	9.5	NA	NA
Smelt	0.0	NA	NA	0.0	NA	NA
Tuna	1.5	NA	NA	0.6	NA	NA
Subtotal: Finfish (b)	74.0	NA	NA	55.1	NA	NA
Total	100.0	NA	NA	100.0	NA	NA

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - See Table 3-23 for total pounds and total value of landings. Unit price is expressed in 1986 dollars.

(b) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna, and other fish.

Table 3-25

Estimated Number of Participants in Marine Recreational Fishing, Southern California (a), 1980 and 1985

Residence of Participant	1980 Number	1980 Percent of Total	1985 Number	1985 Percent of Total
Coastal (b)	1,710,000	71.0	994,000	71.6
Non-Coastal (c)	91,000	3.8	50,000	3.6
Out-of-State (d)	607,000	25.2	344,000	24.8
Total	2,408,000	100.0	1,388,000	100.0

Source: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

(a) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

(b) - Coastal resident: fisherman who lived within 25 miles of the coast of one of the six coastal counties included in Southern California and included in the telephone/interview survey used to develop these estimates.

(c) - Non-coastal resident: fisherman who lived in California but in a county not included in the survey.

(d) - Out-of-State resident: fisherman who lived in a state other than California.

Table 3-26

Estimated Number of Fishing Trips by Marine Recreational Fishermen, by Mode of Fishing and Residence of Participant, Southern California (a), 1980 and 1985

(Thousands of Trips)

	1980								1985							
Mode	Coastal(b)	Percent of Total	Non-Coastal(c)	Percent of Total	Out-of-State(d)	Percent of Total	Total	Percent of Total	Coastal	Percent of Total	Non-Coastal	Percent of Total	Out-of-State	Percent of Total	Total	Percent of Total
Man-Made (e)	2,700	30.2	59	0.7	203	2.3	2,962	33.1	1,284	24.3	27	0.5	104	2.0	1,415	26.8
Beach/Bank	1,540	17.2	45	0.5	160	1.8	1,745	19.5	654	12.4	21	0.4	68	1.3	743	14.1
Party/Charter (f)	1,392	15.6	33	0.4	274	3.1	1,699	19.0	947	17.9	19	0.4	186	3.5	1,152	21.8
Private/Rental (g)	2,371	26.5	53	0.6	116	1.3	2,540	28.4	1,826	34.6	43	0.8	98	1.9	1,967	37.3
Total	8,003	89.5	190	2.1	753	8.4	8,946	100.0	4,711	89.3	110	2.1	456	8.6	5,277	100.0

Source: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

(a) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

(b) - Coastal resident: fisherman who lived within 25 miles of the coast of one of the six coastal counties included in Southern California and included in the telephone/interview survey used to develop these estimates.

(c) - Non-coastal resident: fisherman who lived in California but in a county not included in the survey.

(d) - Out-of-State resident: fisherman who lived in a state other than California.

(e) - Man-Made structures include piers, docks, jetties, breakwaters, breachways, bridges and causeways.

(f) - Party/Charter covers party boats and charter boats.

Table 3-27

Estimated Number of Fish Caught, by Area and Mode of Fishing, Southern California (a), 1980 and 1985

(Thousands)

	1980										1985									
	Man-Made(b)	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter(c)	Percent of Total	Private/ Rental(d)	Percent of Total	Total	Percent of Total	Man-Made	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter	Percent of Total	Private/ Rental	Percent of Total	Total	Percent of Total
n 5 Kilometers Less (e)	8,515	19.6	2,792	6.4	8,704	20.0	14,328	32.9	34,339	78.9	3,019	10.9	936	3.4	7,390	26.8	7,197	26.1	18,542	67.2
n More Than Kilometers	0	0.0	0	0.0	3,311	7.6	2,449	5.6	5,760	13.2	0	0.0	0	0.0	3,488	12.6	2,617	9.5	6,105	22.1
nd (f)	729	1.7	356	0.8	8	0.0	1,212	2.8	2,305	5.3	386	1.4	71	0.3	10	0.0	1,961	7.1	2,428	8.8
fined (g)	75	0.2	57	0.1	566	1.3	396	0.9	1,094	2.5	0	0.0	8	0.0	436	1.6	89	0.3	533	1.9
Areas	9,319	21.4	3,205	7.4	12,589	28.9	18,385	42.3	43,498	100.0	3,405	12.3	1,015	3.7	11,324	41.0	11,864	43.0	27,608	100.0

ce: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

- Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, San Diego counties.
- Man-made structures include piers, docks, jetties, breakwaters, breachways, bridges, and causeways.
- Party/Charter covers party boats and charter boats.
- Private/Rental covers private boats and rental boats.
- Ocean is divided into two categories: 5 kilometers or less from shore (Territorial Sea) and more than 5 kilometers from shore (Fishing Conservation Zone). Not included are sounds, inlets, rivers, bays, etc.
- Inland is other bodies of saltwater besides the ocean. It includes sounds, inlets, tidal portions of rivers, bays, estuaries and other areas of salt or brackish water.
- This category includes missing data on area, and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "distance from shore".

Table 3-28

Estimated Weight of Fish Caught (Catch Type A) (a), by Area and Mode of Fishing, Southern California (b), 1980 and 1985

(Thousands of Pounds)

	1980										1985									
	Man-Made(c)	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter(d)	Percent of Total	Private/ Rental(e)	Percent of Total	Total	Percent of Total	Man-Made	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter	Percent of Total	Private/ Rental	Percent of Total	Total	Percent of Total
Kilometers	2,132	7.2	944	3.2	8,743	29.5	8,704	29.3	20,523	69.2	377	2.7	357	2.6	2,908	21.1	3,424	24.9	7,066	51.3
ss (f)																				
ore Than ometers	0	0.0	0	0.0	5,090	17.2	2,178	7.3	7,269	24.5	0	0.0	0	0.0	3,675	26.7	2,119	15.4	5,794	42.1
(g)	110	0.4	108	0.4	9	0.0	608	2.1	836	2.8	75	0.5	11	0.1	4	0.0	496	3.6	586	4.3
ed (h)	13	0.0	15	0.1	686	2.3	326	1.1	1,041	3.5	0	0.0	0	0.0	309	2.2	20	0.1	328	2.4
es	2,255	7.6	1,067	3.6	14,528	49.0	11,817	39.8	29,667	100.0	452	3.3	368	2.7	6,896	50.1	6,058	44.0	13,774	100.0

Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

atch Type A are fish that were caught, landed whole and available for identification by the interviewer.

outhern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

an-made structures include piers, docks, jetties, breakwaters, breachways, bridges, and causeways.

arty/Charter covers party boats and charter boats.

rivate/Rental covers private boats and rental boats.

cean is divided into two categories: 5 kilometers or less from shore (Territorial Sea) and more than 5 kilometers from shore (Fishing Conservation Zone). Not included are sounds, inlets, ivers, bays, etc.

nland is other bodies of saltwater besides the ocean. It includes sounds, inlets, tidal portions of rivers, bays, estuaries and other areas of salt or brackish water.

his category includes missing data on area, and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on distance from shore".

1.71 million in 1980 and 0.99 million in 1985. This accounted for 71.0 percent of the estimated total participants in 1980 and 71.6 percent of the estimated total participants in 1985 (see Table 3-25). A coastal resident is a fisherman who lives within 40 kilometers (25 miles) of the coast of one of the six coastal counties included in southern California and included in the telephone/interview survey used to develop these estimates. Non-coastal residents of California (including coastal residents from the nine northern California coastal counties) and out-of-state residents accounted for the remainder of participants. In 1980, California non-coastal residents were 3.8 percent of the estimated total and out-of-state residents were 25.2 percent, while in 1985, California non-coastal participation was 3.6 percent and out-of-state participation was 24.8 percent.

The estimated number of fishing trips by marine recreational fishermen, by mode of fishing and residence of participant, in southern California, for 1980 and 1985, is presented in Table 3-26. In 1980, the man-made mode of fishing accounted for the largest percent of total fishing trips (33.1 percent), and for the largest percent of fishing trips by coastal participants (30.2 percent of total trips). In 1985, the private/rental fishing mode accounted for the largest percent of total fishing trips (37.3 percent of total trips), and for the largest percent of total fishing trips by coastal participants (34.6 percent of total trips). In 1980, the most popular mode of fishing for non-coastal participants was the man-made mode (0.7 percent of total trips), while for out-of-state participants, the most popular mode of fishing was the party/charter mode (3.1 percent of total trips). In 1985, the most popular mode of fishing for non-coastal participants was the private/rental mode (0.8 percent of total trips), while for out-of-state participants, the most popular mode was the party/charter mode (3.5 percent of total trips).

The estimated number of fish caught by marine recreational fishermen in southern California, by area and mode of fishing, for 1980 and 1985, is presented in Table 3-27. An estimated 43.5 million fish were caught in 1980 and 27.6 million fish were caught in 1985. In 1980, 78.9 percent of the fish were caught on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/private-rental mode combination having the largest percent (32.9 percent of total fish caught). In 1985, 67.2 percent of the fish were caught on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/party-charter mode combination having the largest percent (26.8 percent of total fish caught). The major species caught, in terms of numbers of fish, was pacific mackerel (22.5 percent of total) in 1980, and chub mackerel (23.4 percent of total) in 1985. The other major species with catches of 10 percent or more of the total were rockfish (22.1 percent) and white croaker (15.1 percent), in 1980, and rockfish (22.2 percent) and bass (20.2 percent), in 1985 (U.S. Department of Commerce, 1984 and 1986).

The estimated weight of fish caught by marine recreational fishermen in southern California, by area and mode of fishing, for 1980 and 1985, is presented in Table 3-28. The figures given are for those fish which are caught, landed whole, weighed, and available for identification (Catch Type A). The remainder of the fish caught but not weighed are used for bait, filleted, discarded dead, or released alive (Catch Type B). In

1980, 29.7 million pounds of fish (Catch Type A) were landed, while 13.8 million pounds were landed in 1985. Of the estimated total landings by weight in 1980, 69.2 percent were landed on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/party-charter mode combination accounting for the largest percent (29.5 percent of total weight). For 1985, 51.3 percent of total weight were landed on the ocean within 5 kilometers (3 miles) of shore, with the ocean more than 5 kilometers (3 miles)/party-charter mode combination accounting for 26.7 percent of the estimated total weight of catch. In both 1980 and 1985, the major species caught by weight, for Catch Type A, was rockfish with 36.5 percent of the total and 33.5 percent of the total, respectively. Other leading species with landings of 10 percent or more of the total weight were pacific mackerel (14.8 percent) and pacific bonito (14.3 percent), in 1980, and tuna (14.1 percent), bass (13.0 percent) and chub mackerel (11.0 percent) in 1985 (U.S. Department of Commerce, 1984 and 1986).

Table 3-29 summarizes recreational-for-hire boat fishing for the combined area of Dana Harbor, Orange County and Oceanside, San Diego County, for the years 1980 to 1985. Table 3-30 summarizes recreational-for-hire boat fishing for Huntington Beach and Balboa, Orange County for 1980 to 1985. Recreational-for-hire boats include party boats and charter boats. During this 6-year period, the largest number of fish caught, for both areas, was in 1980. The number of angler days was greatest in 1980 for both Huntington Beach/Balboa and Dana Harbor/Oceanside. The number of boats was greatest in 1982 for Dana Harbor/Oceanside, and in 1983 for Huntington Beach/Balboa.

3.11 References for Table 3-1, Socioeconomic Profile of Orange County

The references to Table 3-1, Socioeconomic Profile of Orange County, 1970-2020, are listed at the end of this section. Table 3-31 is a key to the references. Table 3-31 uses a similar format to Table 3-1. Each data cell in the profile table has a corresponding cell in Table 3-31. The numbers in Table 3-31 refer to the numbered data sources in the list of references.

3.12 Data Supplement for Orange County

Some of the information provided for the county is quite lengthy in nature. It has, therefore, been included in a data supplement at the end of this section. An index to the contents of the data supplement is provided on the first page of the data supplement.

Table 3-29

Recreational-for-Hire Boat Fishing Summary
Dana Harbor, Orange County and Oceanside, San Diego County, 1980 to 1985

Totals	1980	1981	1982	1983	1984	1985
Number of Fish Caught	520,122	398,375	295,859	266,348	242,463	217,069
Number of Angler Days	67,520	63,351	52,166	60,792	56,528	48,679
Number of Boats	15	17	20	19	17	17

Source: California Department of Fish and Game, computer printout (Sacramento: 1980 to 1985).

Table 3-30

Recreational-for-Hire Boat Fishing Summary
Huntington Beach and Balboa, Orange County, 1980 to 1985

Totals	1980	1981	1982	1983	1984	1985
Number of Fish Caught	410,534	355,098	266,368	263,563	115,760	124,116
Number of Angler Days	46,748	45,869	41,884	44,072	23,395	21,210
Number of Boats	6	10	9	11	6	4

Source: California Department of Fish and Game, computer printout (Sacramento: 1980 to 1985).

Table 3-31

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Population									
Total - July 1 for 1970-2020	1	1	1	2	2	2	2	2	2
Total - January 1 for 1975-2020, and April 1 for 1970	3	4	4	5	6	7	8	9	9
Anaheim	3	4	4	5	6	7	8	9	9
Brea	3	4	4	5	6	7	8	9	9
Buena Park	3	4	4	5	6	7	8	9	9
Costa Mesa	3	4	4	5	6	7	8	9	9
Cypress	3	4	4	5	6	7	8	9	9
Fountain Valley	3	4	4	5	6	7	8	9	9
Fullerton	3	4	4	5	6	7	8	9	9
Garden Grove	3	4	4	5	6	7	8	9	9
Huntington Beach	3	4	4	5	6	7	8	9	9
Irvine	3	4	4	5	6	7	8	9	9
Laguna Beach	3	4	4	5	6	7	8	9	9
La Habra	3	4	4	5	6	7	8	9	9
La Palma	3	4	4	5	6	7	8	9	9
Los Alamitos	3	4	4	5	6	7	8	9	9
Newport Beach	3	4	4	5	6	7	8	9	9
Orange	3	4	4	5	6	7	8	9	9
Placentia	3	4	4	5	6	7	8	9	9
San Clemente	3	4	4	5	6	7	8	9	9
San Juan Capistrano	3	4	4	5	6	7	8	9	9
Santa Ana	3	4	4	5	6	7	8	9	9
Seal Beach	3	4	4	5	6	7	8	9	9

Table 3-31 (Cont.)

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Stanton	3	4	4	5	6	7	8	9	9
Tustin	3	4	4	5	6	7	8	9	9
Villa Park	3	4	4	5	6	7	8	9	9
Westminster	3	4	4	5	6	7	8	9	9
Yorba Linda	3	4	4	5	6	7	8	9	9
City Total	3	4	4	5	6	7	8	9	9
Unincorporated	3	4	4	5	6	7	8	9	9
Urban	10	52	10						
Rural	10	52	10						
Civilian	11	11	12	13	13	13	13	13	13
Density/Sq. Km.	14	14	14	15	15	15	15	15	15
(Density/Sq. Mi.)	14	14	14	15	15	15	15	15	15
Age									
Under 18	16	52	17	52	52	52	52	17	52
65 And Over	16	52	17	52	52	52	52	17	52
Median	16	52	17	52	52	52	52	17	52
Median Head of Household	18	52	19						
Households									
Number	20	52	21	52	52	52	52	21	52
Median Size	20	52	21	52	52	52	52	21	52
Education									
Median School Years Completed	22	52	23						

Table 3-31 (Cont.)

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Civilian Labor Force									
Employment	24	26	26	26	26	26	26	26	
Employment Rate	24	26	26	26	26	26	26	26	
Unemployment	24	26	26	26	26	26	26	26	
Unemployment Rate	24	26	26	26	26	26	26	26	
Labor Force	24	26	26	26	26	26	26	26	
Place of Employment									
Inside County	27	52	28						
Outside County	27	52	28						
Employment Partici-pation Ratio	25	52	25						
Income									
Total Personal	29	30	31	31	31	31	31		
Per Capita	32	32	32	32	32	32	32		
Median Household		53	54	55	56	57	58		

Table 3-31 (Cont.)

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Housing									
Total Units	33	34	35	37	38	39	40	41	42
Year Round	33	52	36						
Seasonal	33	52	36						
Occupied	33	52	36						
Owner	33	52	36						
% Owner	33	52	36						
Renter	33	52	36						
% Renter	33	52	36						
Vacancy Rate	33	34	35	37	38	39	40	41	42
Miles of Public Roads	43	44	45	51	46	47	48	51	

Table 3-31 (Cont.)

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Population							
Total - July 1 for 1970-2020	49	49	49	49	49	49	49
Total - January 1 for 1975-2020, and April 1 for 1970							
Anaheim							
Brea							
Buena Park							
Costa Mesa							
Cypress							
Fountain Valley							
Fullerton							
Garden Grove							
Huntington Beach							
Irvine							
Laguna Beach							
La Habra							
La Palma							
Los Alamitos							
Newport Beach							
Orange							
Placentia							
San Clemente							
San Juan Capistrano							
Santa Ana							
Seal Beach							

Table 3-31 (Cont.)

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Stanton							
Tustin							
Villa Park							
Westminster							
Yorba Linda							
City Total							
Unincorporated							
Urban							
Rural							
Civilian							
Density/Sq. Km.	50	50	50	50	50	50	50
(Density/Sq. Mi.)	50	50	50	50	50	50	50
Age							
Under 18	17	17	17	52	52	52	17
65 And Over	17	17	17	52	52	52	17
Median	17	17	17	52	52	52	17
Median Head of Household							
Households							
Number	21	21	21				
Median Size	21	21	21				
Education							
Median School Years Completed							

Table 3-31 (Cont.)

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Civilian Labor Force							
Employment							
Employment Rate							
Unemployment							
Unemployment Rate							
Labor Force							
Place of Employment							
Inside County							
Outside County							
Employment Partici- pation Ratio							
Income							
Total Personal							
Per Capita							
Median Household							

Table 3-31 (Cont.)

Key to the References for the Socioeconomic Profile of Orange County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Housing							
Total Units							
Year Round							
Seasonal							
Occupied							
Owner							
% Owner							
Renter							
% Renter							
Vacancy Rate							
Miles of Public Roads							

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

[1]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table B-3.

Note: Figures are as of July 1.

[2]California Department of Finance, Population Research Unit. 1987. State and County Population Estimates to July 1, 1986 (Provisional). Report 86 E-2. Sacramento. January. Table 3.

Note: Figures are as of July 1.

[3]U.S. Department of Commerce, Bureau of the Census. 1982. 1980 Census of Population, Characteristics of the Population, Chapter A - Number of Inhabitants. Washington, D.C. Table 5.

Note: Figures are as of April 1.

[4]California Department of Finance. 1984. Population Estimates for California Cities and Counties 1970 through 1980. Report E-4. June.

Note: Figures are as of January 1.

[5]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[6]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[7]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[8]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table B-4.

Note: Figures are as of January 1.

[9]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table B-4.

Note: Figures are as of January 1.

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

[10]U.S. Department of Commerce. Bureau of the Census. 1982. 1980 Census of Population, Characteristics of the Population, Chapter A-Number of Inhabitants. Washington, D.C. Table 3.

Note: Figures are as April 1.

[11]California Department of Finance. 1981. Total, Military and Civilian Population and Crude Rates. Sacramento.

[12]California Department of Finance, Population Research Unit. 1986. Annual Estimates of the Population of California Counties: July 1, 1980 to July 1, 1985 (Provisional). Report 85 E-2. Sacramento. Table 4.

Note: Figure is as of July 1.

[13]California Department of Finance, Population Research Unit. 1987. State and County Population Estimates to July 1, 1986 (Provisional). Report E-2. Sacramento. January. Table 4.

Note: Figures are as of July 1.

[14]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 1.

[15]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 2.

[16]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 46.

Note: Figures are as of April 1.

[17]California Department of Finance, Population Research Unit. 1983. Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83. Report 83-P-3. Sacramento. October.

Note: Figures are as of July 1.

[18]Computed from information provided in the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, Table 36.

Note: Figure is as of April 1.

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

[19]Computed from information provided in the U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population, Table 47.

Note: Figure is as of April 1.

[20]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 16.

Note: Figures are as of April 1.

[21]California Department of Finance, Population Research Unit. 1984. Household Projections for California Counties: 1980-2000. Report 84 P-2. Sacramento.

Note: Figures are as of July 1.

[22]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 43.

Note: Figure is for population 25 years old and over.

[23]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 175.

Note: Figure is for population 25 years old and over.

[24]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 121.

Note: Figures are for persons 16 years and over.

Employment: All civilians 16 years old and over who were (a) "at work" - those who did any work at all as paid employees or in their own business or profession, or on their own farm or in a family business; or (b) were "with a job but not at work"- those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Labor Force: Persons classified as employed and unemployed.

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

Unemployment: Persons are classified as unemployed if they were civilians 16 years old and over and: (a) were neither "at work" nor "with a job, but not at work" during the reference week, (b) were looking for work during the past 4 weeks, and (c) were available to accept a job.

[25]Computed as civilian labor force divided by total population 16 years and older.

[26]California Employment Development Department. 1986. Annual Planning Information, Anaheim-Santa Ana 1986-1987. Los Angeles. May.

Note: Figures represent the annual average and are bench marked to March 1985.

Employment: The number of civilian residents in a county or labor market area who during the survey week (the week including the 12th) did any work at all as paid employees, or in their own business or profession, or on their own farm, or who worked 15 hours or more as unpaid workers in a family enterprise. It includes those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, and personal reasons, whether or not they were paid for the time off. It also includes residents who commuted to jobs in other areas.

Labor Force: The sum of total civilian employment and unemployment.

Unemployment: All civilians who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work (except temporary illness) during the survey week. Also included as unemployed are those who did not work at all, but were available for work and (a) were waiting to be recalled to a job from which they had been laid off for a specific time; or (b) had a new job to go to within 30 days.

[27]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 119.

Note: Figures are based on all workers. For Orange County, this is 541,588 workers of whom 29,502 did not report their place of work.

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

[28]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 174.

Note: Figures are based on all workers 16 years of age and over. For Orange County, this is 962,288 workers of whom 91,147 did not report their place of work.

[29]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table D-5.

[30]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table D-5.

[31]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table D-5.

[32]Computed as total personal income divided by total population.

[33]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Housing. Part 6. Washington, D.C. Table 60.

Note: Figures are as of April 1.

[34]California Department of Finance, Population Research Unit. 1975. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1 and is not adjusted to 1980 and later data.

[35]California Department of Finance, Population Research Unit. 1980. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of April 1.

[36]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Housing, General Housing Characteristics. Part 6. Washington, D.C. Table 46.

[37]California Department of Finance, Population Research Unit. 1981. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

[38]California Department of Finance, Population Research Unit. 1982. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[39]California Department of Finance, Population Research Unit. 1983. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[40]California Department of Finance, Population Research Unit. 1984. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[41]California Department of Finance, Population Research Unit. 1985. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[42]California Department of Finance, Population Research Unit. 1986. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[43]California Department of Finance. 1971. California Statistical Abstract. Sacramento. Table J-4.

[44]California Department of Finance. 1976. California Statistical Abstract. Sacramento. Table J-4.

[45]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table J-3.

[46]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table J-3.

[47]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table J-3.

[48]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table J-3.

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

[49]California Department of Finance. 1986. Projected Total Population of California Counties, July 1, 1985 to July 1, 2020. Report 86 P-1. Sacramento. December.

Note: Figures are as of July 1.

[50]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 49.

[51]Gerald Delavan, California Department of Transportation, Data Sheets, March 1987.

[52]Estimated using a straight line projection.

[53]California Department of Finance. 1977. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[54]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[55]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[56]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[57]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

REFERENCES FOR TABLE 3-1
SOCIOECONOMIC PROFILE OF ORANGE COUNTY, 1970-2020

[58]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

DATA SUPPLEMENT FOR ORANGE COUNTY

DATA SUPPLEMENT FOR ORANGE COUNTY

This data supplement contains the following tables:

Table DS 3-1 Year of Incorporation for Orange County Cities

- Demographics

Table DS 3-2 Estimates of Total Population, Orange County and its Cities, 1970-1986

Table DS 3-3 Persons by Age, Orange Count, 1970-2020

- Economics

Table DS 3-4 Total Personal Income and Earnings by Industry for Orange County, 1970-2015

Table DS 3-5 Payroll for Orange County, 1970-1984

Table DS 3-6 Industry Indicators for Orange County, 1972-1982

Table DS 3-7 Number of Employees in Orange County, 1970-1984

Table DS 3-8 Number of Establishments in Orange County, 1970-1984

Table DS 3-9 Selected Agricultural Statistics for Orange County, 1978-1985

- Housing

Table DS 3-10 Characteristics of the Housing Stock in Orange County, 1975-1986

Table DS 3-11 Campground Inventory in Orange County, 1986

- Public Services and Facilities

Table DS 3-12 Police and Fire Departments/Districts, Orange County, 1987

Table DS 3-13 Military Water Systems, Orange County, 1987

Table DS 3-14 Enrollment by School District, by Grade, 1980-81 to 1985-86

Table DS 3-15 Military Airport Facilities, Orange County, 1987

- Public Finance

  Table DS 3-16 Government Finance for Orange County and its Cities, Fiscal Years 1980 and 1985

  Table DS 3-17 Government Finance: Supplementary Expenditures Information

- Fishing Activity

  Table DS 3-18 Major Species of Fish

- GNP Implicit Price Deflator

  Table DS 3-19 GNP Implicit Price Deflator

Table DS 3-1

Year of Incorporation of Orange County Cities

City	Year of Incorporation
Anaheim	1878
Brea	1917
Buena Park	1953
Costa Mesa	1953
Cypress	1956
Fountain Valley	1957
Fullerton	1904
Garden Grove	1956
Hungtington Beach	1909
Irvine	1971
Laguna Beach	1927
La Habra	1925
La Palma	1957[1]
Los Alamitos	1960
Newport Beach	1906
Orange	1888
Placentia	1926
San Clemente	1928
San Juan Capistrano	1961
Santa Ana	1886
Seal Beach	1915
Stanton	1956
Tustin	1927
Villa Park	1962
Westminster	1957
Yorba Linda	1967

Source: California Department of Finance. Data Sheets.

[1]Incorporated as Dairyland in 1955; named change occurred in 1957.

Table DS 3-2

Estimates of Total Population, Orange County and its Cities 1970-1986 (a)

	Orange County					Anaheim				Costa Mesa			
				Change from Previous July			Change from Previous January				Change from Previous January		
Year	January 1	April 1	July 1	Absolute	Percent	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970		1,421,233	1,431,900						166,408				72,660
1971	1,460,100		1,486,300	54,400	3.8	170,900				72,900			
1972	1,511,100		1,534,900	48,600	3.3	177,500	6,600	3.9		72,900	0	0.0	
1973	1,568,600		1,601,800	66,900	4.4	181,900	4,400	2.5		73,200	300	0.4	
1974	1,636,500		1,669,700	67,900	4.2	189,000	7,100	3.9		75,500	2,300	3.1	
1975	1,691,500		1,713,400	43,700	2.6	194,900	5,900	3.1		75,300	(200)	-0.3	
1976	1,733,800		1,752,100	38,700	2.3	197,400	2,500	1.3		76,800	1,500	2.0	
1977	1,781,300		1,811,000	58,900	3.4	201,800	4,400	2.2		77,800	1,000	1.3	
1978	1,833,200		1,854,300	43,300	2.4	209,100	7,300	3.6		79,100	1,300	1.7	
1979	1,875,300		1,896,400	42,100	2.3	213,400	4,300	2.1		80,300	1,200	1.5	
1980	1,919,400	1,932,709	1,942,200	45,800	2.4	217,400	4,000	1.9	219,311	81,900	1,600	2.0	82,562
1981	1,972,700		1,994,600	52,400	2.7	225,100	7,700	3.5		83,300	1,400	1.7	
1982	2,002,200		2,026,900	32,300	1.6	226,200	1,100	0.5		84,500	1,200	1.4	
1983	2,037,100		2,062,200	35,300	1.7	229,200	3,000	1.3		85,600	1,100	1.3	
1984	2,063,900		2,087,800	25,600	1.2	232,700	3,500	1.5		85,900	300	0.4	
1985	2,110,600		2,127,600	39,800	1.9	237,300	4,600	2.0		87,100	1,200	1.4	
1986	2,145,700		2,171,200	43,600	2.0	237,500	200	0.1		88,100	1,000	1.1	

Table DS 3-2 (Cont.)

Estimates of Total Population, Orange County and its Cities 1970-1986 (a)

	Huntington Beach				Irvine				Laguna Beach			
		Change from Previous January				Change from Previous January				Change from Previous January		
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970				115,960				NA				14,550
1971	122,800				NA				14,750			
1972	129,800	5,500	4.2		NA	NA	NA		15,050	14,750	ERR	
1973	135,300	7,500	5.5		22,550	NA	NA		15,150	300	ERR	
1974	142,800	7,100	5.0		26,300	3,750	16.6		15,600	100	ERR	
1975	149,900	5,200	3.5		31,750	5,450	20.7		16,000	450	ERR	
1976	155,100	5,500	3.5		35,550	3,800	12.0		16,500	400	2.6	
1977	160,600	2,700	1.7		38,650	3,100	8.7		17,000	500	3.1	
1978	163,300	3,800	2.3		44,500	5,850	15.1		17,200	500	3.0	
1979	167,100	2,600	1.6		51,700	7,200	16.2		17,250	200	1.2	
1980	169,700	3,100	1.8	170,505	60,600	8,900	17.2	62,134	17,750	50	0.3	17,901
1981	172,800	2,900	1.7		65,400	4,800	7.9		18,000	750	4.3	
1982	175,700	2,900	1.7		70,400	5,000	7.6		18,200	200	1.1	
1983	178,700	3,000	1.7		73,100	2,700	3.8		18,400	200	1.1	
1984	179,700	1,000	0.6		76,400	3,300	4.5		18,400	0	0.0	
1985	181,900	2,200	1.2		81,200	4,800	6.3		18,650	250	1.4	
1986	184,300	2,400	1.3		88,700	7,500	9.2		18,650	0	0.0	

Table DS 3-2 (Cont.)

Estimates of Total Population, Orange County and its Cities 1970-1986 (a)

	Newport Beach				San Clemente				Santa Ana			
		Change from Previous January				Change from Previous January				Change from Previous January		
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970				49,582				17,063				155,710
1971	51,200				17,450				159,200			
1972	53,600	2,400	4.7		17,950	500	2.9		164,400	5,200	3.3	
1973	55,300	1,700	3.2		18,300	350	1.9		167,600	3,200	1.9	
1974	58,800	3,500	6.3		19,850	1,550	8.5		172,500	4,900	2.9	
1975	61,600	2,800	4.8		20,850	1,000	5.0		177,400	4,900	2.8	
1976	63,400	1,800	2.9		22,400	1,550	7.4		180,400	3,000	1.7	
1977	63,600	200	0.3		24,150	1,750	7.8		185,500	5,100	2.8	
1978	63,200	(400)	-0.6		25,300	1,150	4.8		191,000	5,500	3.0	
1979	62,900	(300)	-0.5		26,550	1,250	4.9		196,400	5,400	2.8	
1980	62,400	(500)	-0.8	62,556	27,050	500	1.9	27,325	201,700	5,300	2.7	203,713
1981	65,200	2,800	4.5		27,750	700	2.6		209,800	8,100	4.0	
1982	64,700	(500)	-0.8		28,100	350	1.3		214,500	4,700	2.2	
1983	65,700	1,000	1.5		28,850	750	2.7		219,000	4,500	2.1	
1984	66,100	400	0.6		29,450	600	2.1		220,900	1,900	0.9	
1985	66,900	800	1.2		30,500	1,050	3.6		224,100	3,200	1.4	
1986	67,100	200	0.3		31,950	1,450	4.8		225,800	1,700	0.8	

Table DS 3-2 (Cont.)

Estimates of Total Population, Orange County and its Cities 1970-1986 (a)

	Seal Beach				Unincorporated		
		Change from Previous January				Change from Previous January	
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent
1970				24,441			
1971	25,150				176,500		
1972	26,100	950	3.8		182,100	5,600	3.2
1973	26,800	700	2.7		185,500	3,400	1.9
1974	27,200	400	1.5		200,800	15,300	8.2
1975	26,800	(400)	-1.5		211,200	10,400	5.2
1976	27,800	1,000	3.7		218,400	7,200	3.4
1977	27,000	(800)	-2.9		231,100	12,700	5.8
1978	26,600	(400)	-1.5		245,300	14,200	6.1
1979	26,050	(550)	-2.1		255,600	10,300	4.2
1980	25,950	(100)	-0.4	25,975	265,400	9,800	3.8
1981	26,150	200	0.8		270,500	5,100	1.9
1982	25,950	(200)	-0.8		275,200	4,700	1.7
1983	26,100	150	0.6		281,200	6,000	2.2
1984	26,350	250	1.0		285,400	4,200	1.5
1985	26,900	550	2.1		297,800	12,400	4.3
1986	27,350	450	1.7		309,400	11,600	3.9

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, Characteristics of the Population, Number of Inhabitants.

California Department of Finance, California Statistical Abstract (Sacramento: 1982-1986).

California Department of Finance, Population Estimates for California Cities and Counties 1970 through 1980, Report 84 E-4 (Sacramento: June 1984).

California Department of Finance, State and County Population Estimates to July 1, 1986, Report 86 E-2 (Sacramento: January 1987).

California Department of Finance, Preliminary Intercensal Estimates of the Population of California State and Counties: 1970 to 1980, Report I 70-80 (Sacramento: March 1982).

(a) - Includes only those cities subject to the Coastal Zone Management Program, the county seat, and/or the county's largest city.

NA - Not available.

Table DS 3-3

Persons by Age, Orange County

Age	1970 (a) Number	1970 (a) Percent	1980 (b) Number	1980 (b) Percent	1985 (b) Number	1985 (b) Percent	1990 (b) Number	1990 (b) Percent	1995 (b) Number	1995 (b) Percent	2000 (b) Number	2000 (b) Percent	2020 (b) Number	2020 (b) Percent
Under 5 Years	125,757	8.9	130,220	6.7	170,568	8.0	162,593	7.0	172,798	7.0	148,787	5.7	161,762	5.4
5 to 9	153,871	10.8	134,379	6.9	134,992	8.0	174,093	7.5	167,396	6.8	175,795	6.7	179,851	6.0
10 to 14	158,443	11.2	155,013	8.0	139,884	6.3	140,826	6.1	179,851	7.3	173,579	6.7	162,672	5.4
15 to 19	132,827	9.4	186,953	9.6	164,443	6.6	149,516	6.5	148,955	6.0	189,510	7.3	177,170	5.9
20 to 24	114,190	8.0	203,129	10.5	201,944	7.7	175,137	7.6	159,724	6.5	157,493	6.0	173,271	5.7
25 to 29	105,252	7.4	179,004	9.2	207,408	9.5	204,836	8.9	174,254	7.1	159,687	6.1	199,927	6.6
30 to 34	95,352	6.7	166,440	8.6	187,508	9.7	222,522	9.6	213,817	8.7	185,879	7.1	199,433	6.6
35 to 39	93,447	6.6	137,776	7.1	172,131	8.8	193,674	8.4	228,561	9.3	219,767	8.4	212,946	7.1
40 to 44	95,071	6.7	114,390	5.9	138,941	8.1	177,236	7.7	194,965	7.9	234,416	9.0	170,637	5.7
45 to 49	91,733	6.5	104,959	5.4	114,938	6.5	139,878	6.1	177,843	7.2	196,065	7.5	170,331	5.6
50 to 54	68,284	4.8	102,696	5.3	104,883	5.4	115,023	5.0	139,572	5.7	177,881	6.8	193,422	6.4
55 to 59	49,618	3.5	96,165	5.0	101,463	4.9	104,101	4.5	113,542	4.6	138,521	5.3	218,209	7.2
60 to 64	38,110	2.7	69,360	3.6	95,379	4.8	98,957	4.3	102,794	4.2	110,833	4.3	224,479	7.4
65 to 69	32,421	2.3	53,406	2.7	66,654	4.5	91,834	4.0	94,759	3.8	98,835	3.8	181,820	6.0
70 to 74	27,442	1.9	41,525	2.1	49,332	3.1	61,637	2.7	84,555	3.4	87,614	3.4	150,059	5.0
75 to 79	19,373	1.4	31,544	1.6	35,850	2.3	42,674	1.8	53,136	2.2	73,206	2.8	103,813	3.4
80 to 84	11,821	0.8	20,170	1.0	24,526	1.7	27,974	1.2	33,429	1.4	41,769	1.6	66,016	2.2
85 and over	7,374	0.5	15,071	0.8	19,329	1.2	24,245	1.1	29,449	1.2	35,765	1.4	72,015	2.4
Total Persons	1,420,386	100.0	1,942,200	100.0	2,130,173	100.0	2,306,756	100.0	2,469,400	100.0	2,605,402	100.0	3,017,833	100.0
Under 18	523,087	36.8	528,017	27.2	541,299	25.4	559,812	24.3	609,420	24.7	611,712	23.5	608,646	20.2
18 to 64	798,868	56.2	1,252,467	64.5	1,393,183	65.4	1,498,580	65.0	1,564,652	63.4	1,656,501	63.6	1,835,464	60.8
65 years and over	98,431	6.9	161,716	8.3	195,691	9.2	248,364	10.8	295,328	12.0	337,189	12.9	573,723	19.0
Median	26.2		29.5		31.1		33.3		35.4		37.6		41.1	

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.

California Department of Finance, Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83 (Sacramento: October 1983), Report 83-P-3.

(a) - As of April 1.

(b) - As of July 1.

Table DS 3-4

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for Orange County, 1970-2015

Industry	Total Income and Earnings											
	1970	Percent of Total	1975	Percent of Total	1980	Percent of Total	1981	Percent of Total	1982	Percent of Total	1983	Percent of Total
Total Personal Income (a)	$18,242,782		$22,562,286		$32,367,220		$33,537,234		$33,856,240		$34,847,624	
Total Earnings by Place of Residence (b)	$14,427,164		$17,116,929		$23,927,151		$24,170,343		$24,039,065		$24,894,083	
Total Earnings by Place of Work (b)	$10,605,819	100.0%	$13,062,938	100.0%	$20,413,863	100.0%	$21,153,237	100.0%	$20,998,302	100.0%	$21,860,022	100.0%
Farm	53,058	0.5	84,319	0.6	110,737	0.5	101,143	0.5	99,701	0.5	100,671	0.5
Nonfarm	10,552,761	99.5	12,978,618	99.4	20,303,126	99.5	21,052,094	99.5	20,898,602	99.5	21,759,351	99.5
Agricultural Services, Forestry, and Fisheries	NA	NA	NA	NA	105,162	0.5	120,459	0.6	108,882	0.5	124,045	0.6
Mining	53,670	0.5	89,240	0.7	98,625	0.5	135,027	0.6	131,775	0.6	156,050	0.7
Construction	733,905	6.9	752,516	5.8	1,670,959	8.2	1,669,788	7.9	1,406,731	6.7	1,336,537	6.1
Manufacturing	3,425,594	32.3	3,908,445	29.9	5,959,359	29.2	6,163,208	29.1	6,068,964	28.9	6,251,590	28.6
Transportation and Public Utilities	349,448	3.3	495,520	3.8	833,101	4.1	902,874	4.3	941,821	4.5	961,536	4.4
Wholesale Trade	NA	NA	NA	NA	1,160,630	5.7	1,252,268	5.9	1,248,227	5.9	1,377,831	6.3
Retail Trade	NA	NA	NA	NA	2,385,598	11.7	2,433,930	11.5	2,441,749	11.6	2,479,602	11.3
Finance, Insurance, and Real Estate	582,572	5.5	721,216	5.5	1,540,705	7.5	1,465,969	6.9	1,390,396	6.6	1,586,940	7.3
Service Industries	1,780,245	16.8	2,541,425	19.5	4,178,352	20.5	4,454,151	21.1	4,692,136	22.3	4,982,071	22.8
Government	1,786,650	16.8	2,119,973	16.2	2,370,635	11.6	2,454,418	11.6	2,467,920	11.8	2,503,149	11.5

Table DS 3-4 (Cont.)

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for Orange County, 1970-2015

Industry	Total Income and Earnings 1984	Percent of Total	Projected Total Income and Earnings (c) 1990	Percent of Total	1995	Percent of Total	2000	Percent of Total	2005	Percent of Total	2015	Percent of Total
Total Personal Income (a)	$37,135,004		$47,770,388		$55,777,365		$62,610,656		$68,719,944		$80,473,651	
Total Earnings by Place of Residence (b)	$26,534,571		NA		NA		NA		NA		NA	
Total Earnings by Place of Work (b)	$24,063,396	100.0%	$32,624,241	100.0%	$38,912,929	100.0%	$44,394,796	100.0%	$49,137,711	100.0%	$56,718,022	100.0%
Farm	96,146	0.4	109,158	0.3	101,564	0.3	97,293	0.2	95,869	0.2	97,056	0.2
Nonfarm	23,967,250	99.6	32,515,083	99.7	38,811,364	99.7	44,297,503	99.8	49,041,842	99.8	56,620,967	99.8
Agricultural Services, Forestry, and Fisheries	138,483	0.6	194,349	0.6	241,809	0.6	282,862	0.6	322,253	0.7	379,205	0.7
Mining	160,388	0.7	184,145	0.6	203,366	0.5	222,113	0.5	240,385	0.5	265,539	0.5
Construction	1,403,995	5.8	2,017,050	6.2	2,317,946	6.0	2,612,673	5.9	2,877,974	5.9	3,275,689	5.8
Manufacturing	6,803,553	28.3	9,438,370	28.9	11,071,943	28.5	12,520,660	28.2	13,875,406	28.2	16,126,671	28.4
Transportation and Public Utilities	1,022,943	4.3	1,606,284	4.9	2,003,524	5.1	2,356,152	5.3	2,661,082	5.4	3,131,411	5.5
Wholesale Trade	1,601,676	6.7	2,175,804	6.7	2,611,012	6.7	2,999,709	6.8	3,358,270	6.8	3,909,043	6.9
Retail Trade	2,714,706	11.3	3,301,555	10.1	3,861,108	9.9	4,357,303	9.8	4,746,000	9.7	5,325,249	9.4
Finance, Insurance, and Real Estate	1,798,695	7.5	2,512,058	7.7	3,069,001	7.9	3,521,057	7.9	3,870,600	7.9	4,397,881	7.8
Service Industries	5,712,435	23.7	7,999,620	24.5	9,982,974	25.7	11,630,310	26.2	12,962,038	26.4	15,142,350	26.7
Government	2,610,376	10.8	3,086,087	9.5	3,448,918	8.9	3,795,139	8.5	4,127,596	8.4	4,668,166	8.2

Table DS 3-4 (Cont.)

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for Orange County, 1970-2015

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Local Area Personal Income, 1970-1975 and 1979-1984.
U.S. Department of Commerce, Bureau of Economic Analysis, 1985 OBERS BEA Regional Projections, vol. 2: Metropolitan Statistical Area Projections to 2035, 1985.

(a) - Total personal income includes wage and salary disbursements, other labor income, proprietor's income, rental income, interest and dividend income, and transfer payments, less contributions for social insurance. It is adjusted by place of residence.

(b) - Total personal earnings includes wage and salary disbursements, other labor income, and proprietor's income.

(c) - Projections are for Anaheim-Santa Ana PSMA (equivalent to Orange County). Projections for 2010 are unavailable.

NA - Not available.

Table DS 3-5

Payroll for Orange County, 1970-1984

(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	$21,109	$41,492	$79,743	$83,635	$75,221	$80,168	$89,852
Agricultural Services(07)	20,789	41,114	79,519	83,150	74,328	79,345	89,044
Forestry(08)	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	NA	NA	NA	NA	NA	NA	(D)
Mining	67,330	79,927	120,232	119,163	122,387	114,187	110,935
Metal Mining(10)	NA	NA	NA	999	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	39,721	35,157	51,303	53,698	37,634	(D)	(D)
Crude Petroleum, Natural Gas(131)	26,317	2,635	(D)	11,169	7,689	6,981	8,723
Natural Gas Liquids(132)	NA	2,447	NA	NA	NA	NA	NA
Oil and Gas Field Services(138)	(D)	30,076	38,958	41,059	28,564	23,968	26,656
Drilling Oil and Gas Wells(1381)	NA	18,016	34,047	34,807	20,922	(D)	4,598
Oil and Gas Field Exploration(1382)	NA	(D)	NA	0	NA	NA	NA
Nonmetallic Minerals(14)	(D)	11,488	(D)	(D)	(D)	5,184	5,832
Contract Construction	507,433	582,764	1,426,970	1,362,681	1,029,856	1,065,002	1,304,334
General Contractors(15)	97,596	138,494	(D)	(D)	252,910	272,242	328,799
Heavy Construction Contractors(16)	69,251	60,225	374,083	373,235	(D)	138,845	(D)
Special Trade Contractors(17)	340,587	378,575	678,360	637,830	588,826	630,106	763,656
Manufacturing	3,041,386	3,543,842	5,271,409	5,363,604	5,686,888	5,685,849	6,176,744
Food(20)	100,189	130,281	191,513	191,860	186,679	168,026	173,916
Textile Mill Products(22)	14,290	24,626	39,369	(D)	36,123	(D)	36,949
Apparel(23)	12,155	28,657	49,419	48,630	50,577	54,412	61,139
Lumber and Wood(24)	22,326	36,578	66,078	61,576	44,954	43,975	53,607
Furniture(25)	18,281	61,487	128,650	128,099	135,229	154,782	173,280
Paper(26)	44,374	82,063	101,895	92,160	105,094	114,957	119,153
Printing and Publishing(27)	114,959	114,621	215,605	227,500	250,642	256,385	301,122
Chemicals(28)	77,415	125,452	193,413	189,015	203,328	242,268	209,251
Petroleum Refining(29)	NA	2,958	3,973	8,253	3,709	7,225	8,662
Petroleum Refining(291)	NA	NA	NA	(D)	NA	NA	NA
Paving and Roofing Material(295)	NA	(D)	2,215	3,649	NA	5,437	6,717
Miscellaneous Products(299)	NA	NA	(D)	(D)	1,879	(D)	1,941
Rubber and Miscellaneous Plastics(30)	94,629	123,155	223,970	232,606	240,772	259,393	283,252
Leather(31)	NA	(D)	2,009	2,774	3,804	5,093	4,526
Stone, Clay, Glass(32)	44,385	60,455	73,751	73,958	73,813	92,233	72,773
Primary Metal(33)	29,145	26,829	53,323	56,333	55,027	59,710	57,424
Fabricated Metal(34)	183,420	314,241	478,011	429,984	444,748	419,401	439,996
Machinery(35)	222,810	527,225	890,603	890,228	936,705	893,438	1,010,605
Electric and Electronic Equipment(36)	1,148,192	920,318	1,498,717	1,586,805	1,740,238	1,738,724	1,903,915
Transportation Equipment(37)	139,120	556,291	502,404	492,078	456,414	527,677	554,522
Measuring Instruments(38)	131,501	200,192	294,698	346,119	361,805	325,732	378,019
Miscellaneous Manufacturing(39)	68,664	90,689	84,441	76,401	78,762	71,276	79,275

Table DS 3-5 (Cont.)

Payroll for Orange County, 1970-1984

(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Transportation and Public Utilities	287,515	404,574	855,921	942,508	945,703	973,882	1,080,461
Local and Interurban Transit(41)	14,226	10,711	22,865	25,624	22,622	23,136	26,843
Trucking and Warehousing(42)	67,757	130,064	239,037	236,495	222,875	240,473	268,675
Water Transportation(44)	2,519	3,120	4,005	3,824	(D)	(D)	(D)
Transportation by Air(45)	(D)	26,069	113,280	142,218	153,466	143,278	164,737
Pipelines(46)	NA	NA	(D)	(D)	(D)	NA	(D)
Transportation Services(47)	4,386	11,959	(D)	38,250	46,843	39,957	40,726
Communication(48)	(D)	(D)	(D)	(D)	351,182	341,766	357,898
Electric, Gas, Sanitary(49)	68,770	47,739	90,413	108,401	118,213	161,294	191,183
Wholesale Trade	290,684	598,809	1,151,947	1,242,086	1,394,880	1,428,437	1,641,822
Durable Goods(50)	NA	373,830	786,898	851,952	919,834	977,171	1,151,604
Nondurable Goods(51)	NA	179,869	(D)	(D)	(D)	(D)	410,894
Retail Trade	1,049,059	1,457,792	2,031,248	2,065,999	2,030,838	2,241,929	2,274,393
Building Materials(52)	36,050	64,497	92,830	84,189	(D)	(D)	102,937
General Merchandise(53)	153,848	183,909	211,922	225,765	176,892	180,097	191,099
Food Stores(54)	171,873	227,080	308,615	313,498	313,195	316,168	312,867
Automotive Dealers, Service Stations(55)	218,915	267,811	326,706	308,626	311,028	340,698	390,213
Apparel, Accessories(56)	39,177	58,612	100,817	87,291	88,415	95,501	(D)
Furniture(57)	46,647	61,751	96,603	88,000	82,521	85,965	100,311
Eating, Drinking Places(58)	192,438	267,564	391,059	393,751	415,350	547,555	453,711
Miscellaneous Retail(59)	96,742	157,886	225,185	255,103	231,952	238,113	246,375
Finance, Insurance, Real Estate	415,227	707,090	1,364,402	1,391,046	1,442,797	1,534,807	1,705,980
Banking(60)	68,941	119,738	195,404	212,449	223,955	232,660	240,073
Other Credit Agencies(61)	36,114	92,230	225,239	221,257	223,404	270,536	323,161
Security, Commodity Brokers(62)	14,407	23,404	71,016	78,305	84,157	96,035	98,659
Insurance Carriers(63)	105,920	218,058	318,402	320,884	352,011	350,232	378,694
Insurance Agents(64)	22,988	47,828	103,126	106,511	133,070	139,561	174,368
Real Estate(65)	144,019	159,817	391,475	388,014	352,331	348,051	378,147
Real Estate, Insurance(66)	(D)	1,275	976	1,063	992	1,217	1,035
Holding, Investment Offices(67)	19,338	37,249	46,407	(D)	(D)	(D)	(D)
Service Industries	867,752	1,563,007	3,021,569	3,256,528	3,554,831	3,787,975	4,201,429
Hotels, Lodging(70)	46,114	49,476	96,427	101,115	103,618	109,983	125,519
Personal Services(72)	80,937	86,032	95,279	94,070	99,794	102,760	104,464
Business Services(73)	166,996	277,437	690,766	771,776	775,810	877,992	1,130,858
Auto Repair(75)	37,555	57,486	101,317	102,701	101,344	108,708	120,987
Miscellaneous Repair(76)	18,548	38,877	61,679	65,847	72,528	57,921	65,867
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	7,705	8,368	15,750	10,660	(D)	22,132	(D)
Recreation, Amusement(79)	84,192	128,727	210,142	208,302	223,055	223,421	216,250
Health Services(80)	235,361	576,435	979,627	1,059,403	1,133,085	1,206,180	1,253,854
Legal Services(81)	17,374	45,608	103,887	129,515	154,227	178,056	196,876
Education Services(82)	31,376	48,101	58,398	58,502	61,301	68,688	77,495

Table DS 3-5 (Cont.)

Payroll for Orange County, 1970-1984
(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Social Services(83)	NA	23,943	60,566	62,191	69,177	68,142	82,875
Membership Organizations(86)	42,731	58,063	87,833	90,736	99,134	101,225	122,489
Miscellaneous Services(89)	96,432	149,007	410,778	446,669	579,823	556,450	609,887
Nonclassifiable Establishments	23,254	78,769	103,241	178,491	25,460	117,230	233,848
Government	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA
Total County	$6,570,750	$9,058,065	$15,426,681	$16,005,621	$16,308,862	$17,029,468	$18,819,799

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.

(D) - Information withheld to avoid disclosure of operations of individual establishments.
NA - Not available.

Note: Payroll includes all forms of compensation which are subject to income tax withholding.

Table DS 3-6

Industry Indicators for Orange County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Agriculture, Forestry, Fisheries	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Services(07)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forestry(08)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mining	237.3	269.7	478.6	617.9	26.8	28.5	111.6	167.1	184.9	211.7	414.1	549.0
Metal Mining(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	197.0	240.5	451.5	592.2	23.7	26.9	110.0	165.4	156.1	189.9	396.1	533.6
Crude Petroleum, Natural Gas(131)	126.7	188.0	332.6	429.1	16.1	21.5	85.9	128.8	101.6	156.0	296.7	390.5
Natural Gas Liquids(132)	16.1	22.4	30.8	36.5	0.2	2.4	2.1	1.9	5.5	9.5	17.9	23.5
Oil and Gas Field Services(138)	54.1	30.0	88.0	126.6	7.1	3.0	22.0	34.6	48.9	24.2	81.4	119.5
Drilling Oil and Gas Wells(1381)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Exploration(1382)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonmetallic Minerals(14)	40.6	28.3	25.0	22.8	3.1	1.4	1.4	1.5	28.7	21.2	16.3	13.1
Contract Construction	1,727.3	3,133.2	2,664.6	2,352.1	41.3	98.6	70.9	52.5	1,189.8	1,971.3	1,974.3	1,976.2
General Contractors(15)	404.3	814.7	787.8	769.8	8.1	30.0	22.6	17.7	250.2	505.5	521.0	531.3
Heavy Construction Contractors(16)	173.0	334.4	410.6	461.4	7.7	14.4	10.3	7.5	161.9	219.6	293.7	343.1
Special Trade Contractors(17)	724.3	2,032.1	1,874.9	1,770.0	13.4	46.8	36.4	29.4	463.3	1,259.5	1,185.3	1,135.9
Manufacturing	11,108.5	16,154.2	19,230.0	21,280.5	342.9	530.0	751.8	899.7	6,484.5	8,944.7	10,567.1	11,648.7
Food(20)	1,273.8	1,816.9	1,943.4	2,027.7	19.2	33.2	40.6	45.5	465.1	572.2	719.9	818.4
Textile Mill Products(22)	138.3	237.1	214.9	200.0	10.4	3.7	3.4	3.2	46.0	95.5	69.7	52.4
Apparel(23)	67.4	112.1	189.4	241.0	1.2	1.2	2.8	3.9	40.6	59.3	101.4	129.5
Lumber and Wood(24)	257.0	NA	NA	186.5	6.4	NA	NA	2.8	103.7	NA	NA	87.6

Table DS 3-6 (Cont.)

Industry Indicators for Orange County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Furniture(25)	170.1	372.1	478.0	548.6	0.0	12.9	11.7	10.9	89.7	210.4	266.4	303.8
Paper(26)	506.6	758.3	812.6	848.8	18.0	0.0	18.6	31.0	231.1	291.7	320.2	339.3
Printing and Publishing(27)	414.8	633.0	826.0	954.7	13.3	24.2	32.3	37.6	271.7	345.5	424.8	477.6
Chemicals(28)	609.4	845.4	965.5	1,045.5	28.7	(D)	NA	29.8	398.2	387.2	473.9	531.7
Petroleum Refining(29)	NA	NA	NA	60.7	NA	NA	NA	0.7	NA	NA	NA	20.4
Petroleum Refining(291)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0
Paving and Roofing Material(295)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0
Miscellaneous Products(299)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0
Rubber and Miscellaneous Plastics(30)	419.1	900.8	1,004.8	1,074.1	15.7	28.6	36.4	41.5	226.1	454.3	510.0	547.2
Leather(31)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.9
Stone, Clay, Glass(32)	207.4	335.4	303.6	282.4	5.9	18.5	12.9	9.2	118.9	155.3	140.2	130.1
Primary Metal(33)	152.6	257.1	344.4	402.6	2.1	5.9	6.9	7.6	55.1	79.9	90.1	96.9
Fabricated Metal(34)	826.5	1,315.1	1,390.1	1,440.2	32.7	33.2	38.9	42.8	497.9	775.1	818.8	847.9
Machinery(35)	942.1	2,264.9	3,161.4	3,759.1	49.6	85.0	159.0	208.4	597.3	1,482.4	1,952.6	2,266.0
Electric and Electronic Equipment(36)	2,527.2	3,193.1	4,243.5	4,943.7	(D)	127.0	223.1	287.2	1,551.2	2,170.6	2,707.0	3,064.6
Transportation Equipment(37)	1,746.3	1,491.7	1,524.1	1,545.6	38.2	54.5	67.9	76.8	1,310.8	880.4	846.4	823.7
Measuring Instruments(38)	484.8	900.6	1,217.3	1,428.4	15.9	27.8	43.7	54.4	285.7	607.2	816.3	955.7
Miscellaneous Manufacturing(39)	339.1	399.7	324.2	273.8	8.5	8.1	6.9	6.1	187.7	233.2	180.3	145.1
Transportation and Public Utilities	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Local and Interurban Transit(41)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trucking and Warehousing(42)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Water Transportation(44)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Transportation by Air(45)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pipelines(46)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Transportation Services(47)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Communication(48)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table DS 3-6 (Cont.)

Industry Indicators for Orange County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Electric, Gas, Sanitary(49)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Wholesale Trade	7,837.1	16,350.5	21,718.6	25,297.4	62.7	179.9	254.1	303.6	1,457.7	3,122.9	3,784.0	4,224.7
Durable Goods(50)	4,603.1	10,031.6	12,885.0	14,787.3	41.4	120.4	172.4	207.0	989.7	2,397.6	2,990.8	3,386.3
Nondurable Goods(51)	3,233.9	6,318.9	8,833.6	10,510.1	22.6	56.9	79.5	94.6	523.9	960.5	1,159.8	1,292.7
Retail Trade	9,078.4	12,165.1	12,708.7	13,071.0	163.4	231.1	257.1	274.5	NA	3,503.6	3,652.2	3,751.4
Building Materials(52)	482.4	739.2	645.8	583.6	NA	11.8	10.7	9.9	NA	209.9	190.8	178.0
General Merchandise(53)	1,493.6	1,789.3	1,682.0	1,610.4	37.3	37.6	40.2	41.9	NA	647.7	573.1	523.4
Food Stores(54)	1,846.7	2,361.1	2,585.4	2,734.9	29.5	37.8	46.3	52.0	NA	500.6	203.5	5.5
Automotive Dealers, Service Stations(55)	2,500.9	3,440.6	3,497.2	3,535.0	20.0	37.8	25.7	17.7	NA	660.6	633.3	615.1
Apparel, Accessories(56)	395.1	486.6	621.7	711.7	NA	13.1	15.1	16.4	NA	202.4	242.0	268.3
Furniture(57)	449.9	660.6	653.8	649.3	7.2	9.2	10.7	11.7	NA	233.8	232.2	231.1
Eating, Drinking Places(58)	901.0	1,241.2	1,434.8	1,563.8	36.9	68.3	78.0	84.4	NA	649.2	264.4	7.8
Miscellaneous Retail(59)	795.2	1,446.3	1,581.1	1,671.0	NA	27.5	39.1	46.8	NA	467.2	214.9	46.8
Finance, Insurance, Real Estate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Banking(60)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Credit Agencies(61)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Security, Commodity Brokers(62)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Insurance Carriers(63)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Insurance Agents(64)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Real Estate(65)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Real Estate, Insurance(66)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Holding, Investment Offices(67)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Service Industries	2,021.3	3,505.0	6,016.2	7,690.3	169.8	266.4	438.8	553.7	NA	NA	NA	NA

Table DS 3-6 (Cont.)

Industry Indicators for Orange County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Hotels, Lodging(70)	151.6	267.4	329.8	371.4	19.6	21.1	45.2	61.3	NA	NA	NA	NA
Personal Services(72)	206.2	262.7	280.9	293.0	15.1	10.8	14.5	17.0	NA	NA	NA	NA
Business Services(73)	618.9	1,095.2	1,534.8	1,827.9	34.7	65.7	106.3	133.4	NA	NA	NA	NA
Auto Repair(75)	185.6	478.2	438.9	412.7	31.4	84.2	71.0	62.3	NA	NA	NA	NA
Miscellaneous Repair(76)	109.6	157.5	167.3	173.9	6.6	5.7	6.3	6.8	NA	NA	NA	NA
Amusement and Recreation(78 and 79)	390.1	658.0	667.8	674.3	2.7	42.8	46.2	48.5	NA	NA	NA	NA
Motion Pictures(78)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Recreation, Amusement(79)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Health Services(80)	11.9	17.6	992.3	1,642.1	NA	NA	NA	59.1	NA	NA	NA	NA
Legal Services(81)	119.4	219.0	337.0	415.6	NA	NA	NA	15.4	NA	NA	NA	NA
Education Services(82)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Services(83)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Membership Organizations(86)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Services(89)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonclassifiable Establishments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Government	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table DS 3-6 (Cont.)

Industry Indicators for Orange County, 1972-1982

(in million of 1986 dollars)

Source: Mining - U.S. Department of Commerce, Bureau of the Census, Census of Mineral Industries: Area Statistics, 1972, 1977 and 1982.

Construction - U.S. Department of Commerce, Bureau of the Census, Census of the Construction Industry; U.S. Summary: Establishments With and Without Payroll, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, County Business Patterns: California, 1972, 1977 and 1982.

Manufacturing - U.S. Department of Commerce, Bureau of the Census, Census of Manufactures; Area Statistics, 1972, 1977 and 1982.

Wholesale Trade - U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Area Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Subject Series: Value Produced, Capital Expenditures, Fixed Assets, Rental Payments, and Supplemental Labor Costs of Merchant Wholesalers, 1972.

Retail Trade - U.S. Department of Commerce, Bureau of the Census, Census of Retail Trade; Area Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Retail Trade; Selected Characteristics of Retail Trade: Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.

Service Industries - U.S. Department of Commerce, Bureau of the Census, Census of Service Industries; Areas Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Service Industries; Selected Service Industries: Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.

Table DS 3-6 (Cont.)

Industry Indicators for Orange County, 1972-1982

(in million of 1986 dollars)

Service Industries (Cont.) - U.S. Department of Commerce, Census of Service Industries; Selected Service Industries; Capital Expenditures and Other Financial Data, 1972.

(a) - Value of product data for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of of construction receipts to payroll.

(b) - Capital expenditures for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction capital expenditures to receipts. Captial expenditures data for the wholsale trade, retail trade, and service sectors for 1972, 1977, and 1982 are estimated from the state ratio of capital expenditures to receipts.

(c) - Value added for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction value added to receipts. Value added data for the wholsale trade, retail trade, and service sectors for 1972, 1977, and 1982 are estimated from the state ratio of value added to receipts. Value added is the difference between the value of the goods and the cost of materials or supplies used in producing them.

(e) - 1980 data are estimated as three-fifths of the aggregate growth or decline during the 5-year period 1977-1982 added to 1977 data (adjusted to 1986 dollars) as a base.

(D) - Information withheld to avoid disclosure of operations of individual establishments.

NA - Not available.

Note: Where used, the ratios are applied at the one and two digit SIC code level. Thus totals may not add due to independent rounding.

Table DS 3-7

Number of Employees in Orange County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	1,705	2,749	5,428	5,815	5,585	5,641	6,491
Agricultural Services(07)	1,679	2,735	5,403	5,780	5,510	5,575	6,404
Forestry(08)	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	NA	NA	NA	NA	NA	NA	20-99
Mining	2,164	2,514	3,089	3,222	3,162	3,009	2,884
Metal Mining(10)	NA	NA	NA	55	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	1,455	1,269	1,254	1,539	1,119	500-999	1,000-2,499
Crude Petroleum, Natural Gas(131)	994	137	100-249	353	256	194	269
Natural Gas Liquids(132)	NA	182	NA	NA	NA	NA	NA
Oil and Gas Field Services(138)	(D)	950	989	1,138	824	673	774
Drilling Oil and Gas Wells(1381)	NA	519	807	901	527	250-499	83
Oil and Gas Field Exploration(1382)	NA	250-499	NA	NA	NA	NA	NA
Nonmetallic Minerals(14)	(D)	276	500-999	250-499	250-499	159	166
Contract Construction	21,339	20,844	55,218	50,546	40,767	37,623	50,770
General Contractors(15)	4,521	5,195	13,734	12,876	9,960	8,979	12,083
Heavy Construction Contractors(16)	2,673	1,906	11,337	10,363	6,597	4,656	6,749
Special Trade Contractors(17)	14,145	13,601	30,147	27,307	24,210	23,237	31,938
Manufacturing	118,489	150,673	228,644	225,394	238,577	220,407	244,361
Food(20)	5,366	6,228	8,713	8,541	9,018	7,384	7,815
Textile Mill Products(22)	740	1,081	2,423	1,000-2,499	2,088	1,000-2,499	2,539
Apparel(23)	1,037	2,276	3,956	4,487	4,438	4,776	3,424
Lumber and Wood(24)	1,164	1,813	3,802	3,510	2,837	2,382	3,120
Furniture(25)	1,043	2,980	7,452	7,046	7,418	7,622	9,344
Paper(26)	2,151	3,612	4,101	3,796	4,060	4,177	4,386
Printing and Publishing(27)	5,916	6,206	11,035	11,299	13,136	11,942	13,901
Chemicals(28)	3,531	5,562	8,380	8,057	8,355	9,105	7,712
Petroleum Refining(29)	NA	82	145	314	147	205	210
Petroleum Refining(291)	NA	NA	NA	20-99	NA	NA	NA
Paving and Roofing Material(295)	NA	20-99	66	82	NA	101	113
Miscellaneous Products(299)	NA	NA	20-99	100-249	94	100-249	97
Rubber and Miscellaneous Plastics(30)	5,288	6,706	13,325	13,208	13,601	14,239	16,022
Leather(31)	NA	20-99	180	201	343	461	400
Stone, Clay, Glass(32)	2,132	2,795	3,458	3,398	3,814	2,587	3,009
Primary Metal(33)	1,234	1,368	2,819	2,914	2,758	3,106	3,198
Fabricated Metal(34)	8,472	14,482	22,155	19,964	20,575	18,362	19,853
Machinery(35)	9,230	21,519	37,537	37,388	40,095	34,519	37,794
Electric and Electronic Equipment(36)	38,725	35,417	57,526	55,194	63,000	58,329	64,611
Transportation Equipment(37)	6,470	20,175	18,806	18,627	15,795	16,761	17,979
Measuring Instruments(38)	5,445	9,110	12,076	14,664	14,506	12,507	15,083
Miscellaneous Manufacturing(39)	3,761	5,359	5,179	4,341	4,211	3,456	4,081
Transportation and Public Utilities	13,450	17,122	34,168	36,741	35,739	36,175	39,832

Table DS 3-7 (Cont.)

Number of Employees in Orange County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Local and Interurban Transit(41)	1,203	1,042	1,989	2,016	1,724	1,769	2,089
Trucking and Warehousing(42)	3,310	5,389	9,817	9,505	9,233	9,027	11,201
Water Transportation(44)	142	220	327	296	100-249	100-249	100-249
Transportation by Air(45)	(D)	1,024	4,043	5,009	5,163	5,187	5,787
Pipelines(46)	NA	NA	20-99	20-99	20-99	NA	20-99
Transportation Services(47)	285	698	1,000-2,499	2,602	2,863	2,502	2,582
Communication(48)	(D)	5,000-9,999	10,000-24,999	10,000-24,999	11,929	12,594	12,313
Electric, Gas, Sanitary(49)	2,504	1,752	2,973	3,238	3,774	4,251	4,841
Wholesale Trade	13,476	25,237	48,295	51,093	55,293	55,252	62,439
Durable Goods(50)	NA	15,433	33,103	34,926	36,673	37,302	43,221
Nondurable Goods(51)	NA	8,244	10,000-24,999	16,167	18,620	17,950	16,658
Retail Trade	83,856	114,202	166,340	165,361	170,287	169,379	178,239
Building Materials(52)	2,094	4,606	5,709	5,376	2,500-4,999	2,500-4,999	6,093
General Merchandise(53)	16,308	17,128	19,658	18,732	18,756	16,694	17,466
Food Stores(54)	10,737	14,578	19,699	20,165	20,934	21,143	20,985
Automotive Dealers, Service Stations(55)	12,975	14,926	16,837	16,252	17,328	16,941	18,069
Apparel, Accessories(56)	3,598	5,704	9,949	9,267	9,559	9,360	5,000-9,999
Furniture(57)	2,984	3,629	6,530	5,712	5,815	5,514	6,625
Eating, Drinking Places(58)	23,793	34,170	57,493	58,212	59,217	61,442	65,298
Miscellaneous Retail(59)	7,290	12,999	20,326	20,679	21,124	20,949	20,975
Finance, Insurance, Real Estate	21,020	34,660	65,801	68,796	70,382	68,419	75,822
Banking(60)	3,926	6,517	12,044	13,355	13,809	11,961	12,819
Other Credit Agencies(61)	2,055	4,575	10,298	11,064	11,390	11,909	14,350
Security, Commodity Brokers(62)	522	752	1,644	2,013	2,038	2,095	2,746
Insurance Carriers(63)	5,136	9,468	14,478	14,666	15,900	15,201	15,988
Insurance Agents(64)	1,329	2,229	4,811	5,056	5,766	6,114	6,938
Real Estate(65)	7,310	8,917	19,807	19,907	18,397	17,344	18,710
Real Estate, Insurance(66)	(D)	95	54	72	50	59	61
Holding, Investment Offices(67)	618	1,814	2,045	1,000-2,499	1,000-2,499	1,000-2,499	1,000-2,499
Service Industries	62,087	98,933	172,258	181,165	195,352	194,060	221,307
Hotels, Lodging(70)	4,807	5,064	9,709	9,879	10,215	9,947	11,742
Personal Services(72)	7,055	7,867	9,667	9,140	9,893	10,577	10,522
Business Services(73)	10,701	21,800	41,521	44,103	46,575	47,129	61,939
Auto Repair(75)	2,568	3,280	6,116	6,033	6,247	6,487	7,348
Miscellaneous Repair(76)	1,153	1,977	3,333	3,439	3,726	3,228	3,714
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	791	920	1,227	1,168	1,000-2,499	1,737	1,000-2,499
Recreation, Amusement(79)	6,917	8,208	15,786	15,658	14,854	13,946	14,603
Health Services(80)	16,607	29,827	46,016	50,039	52,630	53,577	54,984
Legal Services(81)	985	2,078	4,021	4,794	5,334	5,493	5,964
Education Services(82)	2,752	3,978	5,132	5,049	6,363	6,034	7,387
Social Services(83)	NA	3,132	6,605	6,512	7,170	6,722	8,449
Membership Organizations(86)	3,688	4,748	7,486	7,524	8,232	8,911	11,371

Table DS 3-7 (Cont.)

Number of Employees in Orange County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Miscellaneous Services(89)	3,918	5,433	13,962	15,554	19,972	17,618	18,473
Nonclassifiable Establishments	1,656	4,725	7,573	8,132	1,496	4,518	12,900
Government	NA	92,800	105,600	106,000	104,100	103,500	104,800
Federal	NA	9,400	12,400	12,700	11,900	12,100	13,200
State	NA	56,800	67,400	67,600	66,100	64,900	65,000
Local	NA	26,700	25,800	25,700	26,200	26,500	26,600
Railroad Workers	NA	NA	NA	NA	NA	NA	612
Total County	339,242	564,459	892,414	902,265	920,740	897,983	1,000,457

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.
Nicholas Powers, Railroad Retirement Board, Bureau of Research and Analysis, data tables, 1987.
California Economic Development Department, Annual Planning Information Orange County, (Los Angeles: 1986-1987).

(D) - Information withheld to avoid disclosure of operations of individual establishments.
NA - Not available.

Table DS 3-8

Number of Establishments in Orange County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	270	437	583	615	642	750	751
Agricultural Services(07)	262	427	577	606	628	736	737
Forestry(08)	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	NA	NA	NA	NA	NA	NA	9
Mining	55	79	95	102	110	131	126
Metal Mining(10)	NA	NA	NA	7	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	39	52	65	73	80	97	96
Crude Petroleum, Natural Gas(131)	19	20	31	37	43	50	50
Natural Gas Liquids(132)	NA	4	NA	NA	NA	NA	NA
Oil and Gas Field Services(138)	18	28	29	28	32	42	39
Drilling Oil and Gas Wells(1381)	NA	9	10	10	10	12	12
Oil and Gas Field Exploration(1382)	NA	3	NA	NA	NA	NA	NA
Nonmetallic Minerals(14)	13	21	18	16	17	15	15
Contract Construction	1,658	2,374	3,719	3,614	3,338	4,002	4,048
General Contractors(15)	398	564	1,187	1,106	965	1,132	1,086
Heavy Construction Contractors(16)	192	167	231	217	186	194	189
Special Trade Contractors(17)	1,068	1,640	2,299	2,289	2,181	2,688	2,765
Manufacturing	1,927	3,215	4,503	4,574	4,877	5,326	5,288
Food(20)	90	104	116	119	126	129	126
Textile Mill Products(22)	11	29	54	54	57	56	54
Apparel(23)	64	121	166	166	177	203	207
Lumber and Wood(24)	55	117	160	160	165	181	203
Furniture(25)	72	115	159	155	155	181	167
Paper(26)	29	45	57	61	64	67	64
Printing and Publishing(27)	180	349	543	545	648	762	779
Chemicals(28)	78	112	132	128	140	164	159
Petroleum Refining(29)	NA	11	19	24	20	21	20
Petroleum Refining(291)	NA	NA	NA	4	NA	NA	NA
Paving and Roofing Material(295)	NA	7	10	12	NA	11	11
Miscellaneous Products(299)	NA	NA	7	8	7	9	8
Rubber and Miscellaneous Plastics(30)	108	191	311	322	339	375	378
Leather(31)	NA	7	10	13	15	17	17
Stone, Clay, Glass(32)	71	106	144	148	156	156	150
Primary Metal(33)	31	51	72	68	64	64	62
Fabricated Metal(34)	203	359	475	493	525	572	554
Machinery(35)	397	601	969	973	1,011	1,095	1,069
Electric and Electronic Equipment(36)	197	311	428	444	469	512	510
Transportation Equipment(37)	119	210	234	206	216	220	221
Measuring Instruments(38)	65	153	201	214	235	240	243

Table DS 3-8 (Cont.)

Number of Establishments in Orange County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Miscellaneous Manufacturing(39)	94	161	179	200	199	220	211
Transportation and Public Utilities	384	760	1,153	1,177	1,236	1,389	1,493
Local and Interurban Transit(41)	26	25	41	43	45	56	71
Trucking and Warehousing(42)	214	365	486	468	442	528	539
Water Transportation(44)	20	22	25	21	24	27	31
Transportation by Air(45)	16	19	35	40	41	49	54
Pipelines(46)	NA	NA	3	2	3	NA	3
Transportation Services(47)	43	149	331	366	427	487	527
Communication(48)	17	95	122	128	145	123	144
Electric, Gas, Sanitary(49)	48	73	86	87	82	90	95
Wholesale Trade	1,033	1,994	3,398	3,558	4,114	4,744	4,775
Durable Goods(50)	NA	1,399	2,448	2,578	2,960	3,412	3,437
Nondurable Goods(51)	NA	558	901	932	1,094	660	1,274
Retail Trade	5,624	8,583	10,271	10,346	11,043	12,124	11,925
Building Materials(52)	202	332	373	361	397	419	414
General Merchandise(53)	202	218	172	170	160	145	158
Food Stores(54)	489	927	1,040	1,046	1,120	1,210	1,208
Automotive Dealers, Service Stations(55)	1,319	1,623	1,495	1,460	1,527	1,675	1,640
Apparel, Accessories(56)	465	820	1,127	1,117	1,144	1,217	1,198
Furniture(57)	423	615	816	820	864	983	999
Eating, Drinking Places(58)	1,519	2,054	2,608	2,643	2,862	3,352	3,274
Miscellaneous Retail(59)	974	1,912	2,473	2,533	2,776	2,922	2,837
Finance, Insurance, Real Estate	1,399	2,878	4,969	5,119	5,244	6,045	6,144
Banking(60)	26	305	420	440	459	477	483
Other Credit Agencies(61)	171	476	847	863	899	1,026	1,075
Security, Commodity Brokers(62)	35	65	120	145	170	206	222
Insurance Carriers(63)	102	158	284	294	308	350	344
Insurance Agents(64)	255	462	715	766	854	975	1,026
Real Estate(65)	752	1,303	2,385	2,400	2,281	2,659	2,648
Real Estate, Insurance(66)	14	13	18	17	15	18	21
Holding, Investment Offices(67)	42	74	145	157	213	255	250
Service Industries	6,371	9,186	13,436	14,389	15,965	18,342	18,767
Hotels, Lodging(70)	361	284	297	303	328	371	376
Personal Services(72)	1,115	1,186	1,331	1,310	1,423	1,625	1,595
Business Services(73)	809	1,398	2,506	2,709	3,073	3,758	3,865
Auto Repair(75)	475	670	982	1,008	1,054	1,253	1,318
Miscellaneous Repair(76)	247	349	467	475	477	542	532
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	35	73	76	71	97	117	108

Table DS 3-8 (Cont.)

Number of Establishments in Orange County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Recreation, Amusement(79)	194	256	330	334	370	413	395
Health Services(80)	1,706	2,632	3,944	4,219	4,637	5,161	5,215
Legal Services(81)	338	665	993	1,137	1,271	1,512	1,535
Education Services(82)	209	175	199	216	232	256	274
Social Services(83)	NA	244	398	406	508	583	652
Membership Organizations(86)	405	571	617	619	696	752	903
Miscellaneous Services(89)	470	643	1,227	1,513	1,715	1,908	1,914
Nonclassifiable Establishments	376	1,913	2,807	2,865	1,244	3,069	4,820
Government	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA
Total County	19,097	31,419	44,934	46,350	47,813	55,922	58,137

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.

NA - Not available.

(a) - An establishment is a single physical location where business is conducted, or where services or industrial operations are performed.

Table DS 3-9

Selected Agriculture Statistics for Orange County, 1978-1985

	Census Statistics												Crop Report	
	Number of Farms			Hired Farm Workers			Payroll (in thousand of 1986 dollars)			Value of Product (in thousand of 1986 dollars) (a)				
SIC Code	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1984	1985
Cash Grains(011)	12	8	3	NA	NA	NA	NA	NA	NA	$1,488	NA	(D)	NA	NA
Field Crops(013)	12	11	10	NA	NA	NA	NA	NA	NA	(D)	NA	(D)	NA	969
Vegetables and Melons(016)	59	51	43	NA	NA	NA	NA	NA	NA	29,127	29,396	29,665	NA	33,015
Fruit and Tree Nuts(017)	232	210	187	NA	NA	NA	NA	NA	NA	51,091	51,318	51,545	NA	92,419
Horticulture Specialties(018)	115	120	125	NA	NA	NA	NA	NA	NA	78,195	78,582	78,969	NA	127,913
General Farms-Crops(019)	2	1	0	NA	NA	NA	NA	NA	NA	(D)	NA	0	NA	NA
Livestock(021)	80	88	95	NA	NA	NA	NA	NA	NA	7,832	6,274	4,716	NA	1,785
Cattle	53	56	58	NA	NA	NA	NA	NA	NA	7,776	6,195	4,613	NA	1,755
Hogs and Pigs	18	20	21	NA	NA	NA	NA	NA	NA	46	74	103	NA	NA
Sheep and Lambs	9	13	16	NA	NA	NA	NA	NA	NA	9	NA	(D)	NA	NA
Poultry and Eggs(025)	14	19	23	NA	NA	NA	NA	NA	NA	12,465	8,869	5,273	NA	1,081
Dairy(024)	2	2	1	NA	NA	NA	NA	NA	NA	(D)	NA	(D)	NA	NA
Animal Specialities(027)	106	109	111	NA	NA	NA	NA	NA	NA	(D)	NA	1,711	NA	NA
Total Agriculture	583	579	574	11,984	12,079	12,173	$42,822	$47,340	$51,857	$183,081	$178,185	$173,289	NA	$257,487
Primary Commodities														
Nursery Stock and Cut Flowers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	$127,913
Oranges (Valencia)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23,337
Strawberries	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	61,931

Table DS 3-9 (Cont.)

Selected Agriculture Statistics for Orange County, 1978-1985

Source: U.S. Department of Commerce, Bureau of the Census, Census of Agriculture, 1978 and 1982.
County of Orange, Department of Agriculture, Agricultural Crop Report, 1985.

(a) - Value of product data may not be directly comparable because the Crop Report (which provides 1984 and 1985 data) does not use Census Bureau categories.

(b) - 1980 data are estimated as the mean of 1978 and 1982.

(D) - Information withheld to avoid disclosure of operations of individual establishments.

NA - Not available.

Table DS 3-10

Characteristics of the Housing Stock in Orange County, 1975-1986

	Single Family		2 to 4 Units		5 or More Units		Mobile Homes		Total		Occupied		Vacant		
Year (a)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Persons Per Household
1975	361,312	59.6	80,837	13.3	136,415	22.5	27,307	4.5	605,871	100.0	572,841	94.5	33,030	5.5	2.9
1976	370,067	59.5	83,237	13.4	141,475	22.7	27,603	4.4	622,382	100.0	592,241	95.2	30,141	4.8	2.9
1977	380,995	59.3	85,554	13.3	146,733	22.9	28,734	4.5	642,016	100.0	612,705	95.4	29,311	4.6	2.9
1978	396,338	59.1	89,011	13.3	155,593	23.2	29,206	4.4	670,148	100.0	640,925	95.6	29,223	4.4	2.8
1979	367,756	58.8	81,457	13.0	149,696	23.9	26,303	4.2	625,212	100.0	662,379	105.9	(37,167)	-5.9	2.8
Data above the line have not been adjusted to be consistent with annual data beginning in 1980															
1980	445,249	61.7	74,861	10.4	174,523	24.2	26,937	3.7	721,570	100.0	686,285	95.1	35,285	4.9	2.8
1981	454,286	61.8	75,778	10.3	177,638	24.2	27,341	3.7	735,043	100.0	698,739	95.1	36,304	4.9	2.8
1982	462,010	61.9	76,385	10.2	180,339	24.2	27,357	3.7	746,091	100.0	713,610	95.6	32,481	4.4	2.8
1983	465,630	61.9	77,038	10.2	182,250	24.2	27,471	3.7	752,389	100.0	720,345	95.7	32,044	4.3	2.8
1984	469,158	61.7	77,672	10.2	185,686	24.4	27,602	3.6	760,118	100.0	730,363	96.1	29,755	3.9	2.8
1985	475,649	61.5	78,442	10.1	191,900	24.8	27,426	3.5	773,417	100.0	744,322	96.2	29,095	3.8	2.8
1986	483,897	61.4	79,122	10.0	198,394	25.2	27,148	3.4	788,561	100.0	760,723	96.5	27,838	3.5	2.8

Source: California Department of Finance, Population Research Unit, Population and Housing Estimates for California Cities and Counties, 1975-1986, Report E-5 (Sacramento).

(a) - As of January 1.

Table DS 3-11

Campground Inventory in Orange County, 1986

County	Type	Name	Months Open	Tent Spaces	RV Spaces	Tent and RV Spaces	Hookups
Orange	City or Special District Park	Sunset Vista	AY		160		
Orange	County Park	Caspers Wilderness Park	AY			82	
Orange	County Park	Featherly Regional Park	AY			215	
Orange	County Park	O'Neill Regional Park	AY			183	
Orange	Forest Service	Cleveland Natl Fst (Blue Jay Primitive)	5-9	6			
Orange	Forest Service	Cleveland Natl Fst (Blue Jay)	AY	8		43	
Orange	Forest Service	Cleveland Natl Fst (El Cariso)	4-11	10		39	
Orange	Forest Service	Cleveland Natl Fst (Falcon Group Camp)	5-9			3	
Orange	Forest Service	Cleveland Natl Fst (Upper San Juan)	4-10			18	
Orange	Privately Operated	Anaheim Junction Campground	AY		124		124 EWS
Orange	Privately Operated	Anaheim KOA	AY		221		221 EWS
Orange	Privately Operated	Anaheim Vacation Park	AY		222		222 EWS
Orange	Privately Operated	Lincoln Recreational Vehicle Park	AY		69		69 EWS
Orange	Privately Operated	Orangeland Recreational Vehicle Park	AY		212		212 EWS
Orange	Privately Operated	Tratel	AY			130	130 EWS
Orange	Privately Operated	Travelers World RV Park	AY	20	290		310 EWS
Orange	Privately Operated	Vacationland	AY		406		406 EWS
Orange	State Park	Doheny State Beach	AY			120	
Orange	State Park	San Clemente	AY			157	56 EWS, 16 WS

Source: Automobile Club of California, Southern California Camping (Los Angeles: 1986).

AY - All Year.
E - Electric.
W - Water
S - Sewage.

Table DS 3-12

Police and Fire Departments/Districts, Orange County, 1987

Police Departments

Anaheim Police Department, Anaheim
Brea Police Department, Brea
Buena Park Police Department, Buena Park
Costa Mesa Police Department, Costa Mesa
Cypress Police Department, Cypress
Fountain Valley Police Department, Fountain Valley
Fullerton Police Department, Fullerton
Garden Grove Police Department, Garden Grove
Huntington Beach Police Department, Huntington Beach
Irvine Police Department, Irvine
La Habra Police Department, La Habra
La Palma Police Department, La Palma
Laguna Beach Police Department, Laguna Beach
Los Alamitos Police Department, Los Alamitos
Newport Beach Police Department, Newport Beach
Orange County Sheriff's Department, Orange
Orange Police Department, Orange
Placentia Police Department, Placentia
San Clemente Police Department, San Clemente
Santa Ana Police Department, Santa Ana
Seal Beach Police Department, Seal Beach
Stanton Police Department, Stanton
Tustin Police Department, Tustin
Westminster Police Department, Westminster

Fire Departments and Fire Districts

Anaheim Fire Department, Anaheim
Armed Forces Reserve Center Fire Department, Los Alamitos
Brea Fire Department, Brea
Buena Park Fire Department, Buena Park
Costa Mesa Fire Department, Costa Mesa
Fountain Valley Fire Department, Fountain Valley
Fullerton Fire Department, Fullerton
Garden Grove Fire Department, Garden Grove
Hughes Aircraft Fire Department, Fullerton
Huntington Beach Fire Department, Huntington Beach
La Habra Fire Department, La Habra
Laguna Beach Fire Department, Laguna Beach
Marine Corps Aire Station, Tustin
Naval Weapon Station, Seal Beach
Nellie Gail Ranch Volunteer Fire Company, Laguna Hills
Newport Beach Fire Department, Newport Beach
Orange County Fire Department, Orange
Orange Fire Department, Orange
San Clemente Fire Department, San Clemente
San Onofre Fire Department, San Clemente
Santa Ana Fire Department, Santa Ana
Stanton Fire Department, Stanton
Structural Fire Protection District, El Toro (Santa Ana)

Table DS 3-12 (Cont.)

Police and Fire Departments/Districts, Orange County, 1987

Fire Departments and Fire Districts
UC Campus Fire Marshal, Irvine
Westminster Fire Department, Westminster

Source: Commission on Peace Officer Standards and Training, Employment Data for California Law Enforcement (Sacramento: 1986).
California Fire Chief's Association (Sacramento: 1987).

Table DS 3-13

Military Water Systems, Orange County, 1987

System Name	Area Served	Ownership	Sources of Water	Population Served	Number of Service Connections
USN Naval Weapons Station	Seal Beach	Federal	Wells and Purchased	2,145	154
Total				2,145	154

Source: State of California, Department of Health Services, Computer Printout (Sacramento: 1987).

Table DS 3-14

Enrollment by School District, by Grade, Orange County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
Anaheim Elementary	1,613	1,688	1,471	1,592	1,651	1,685	1,613	0	0	0	0	0	0	11,313	0
Anaheim Union High	0	0	0	0	0	0	0	3,781	3,939	3,970	4,307	4,289	3,750	24,036	3,337
Brea-Olinda Unified	281	281	258	306	333	379	379	378	349	384	402	377	337	4,444	301
Buena Park Elementary	395	410	419	391	410	452	436	387	401	0	0	0	0	3,701	0
Capistrano Unified	1,051	1,108	1,122	1,152	1,376	1,527	1,499	1,406	1,366	1,361	1,477	1,386	1,349	17,180	1,109
Centralia Elementary	506	536	518	524	605	643	679	0	0	0	0	0	0	4,011	0
Cypress Elementary	444	487	490	564	586	720	689	0	0	0	0	0	0	3,980	0
Fountain Valley Elementary	636	654	725	788	906	1,102	1,072	1,092	1,153	0	0	0	0	8,128	0
Fullerton Elementary	973	1,052	939	984	1,009	1,154	1,109	1,104	1,205	0	0	0	0	9,529	0
Fullerton Joint Union High	0	0	0	0	0	0	0	0	0	3,377	3,026	2,816	3,325	12,544	2,794
Garden Grove Unified	2,833	2,746	2,542	2,705	2,908	2,879	6,919	2,897	3,064	3,168	3,416	3,244	2,853	42,174	2,792
Huntington Beach City Elementary	616	580	586	637	750	840	876	868	919	0	0	0	0	6,672	0
Huntington Beach Union High	0	0	0	0	0	0	0	0	0	4,755	4,971	4,818	4,283	18,827	3,802
Irvine Unified	1,013	1,039	1,039	1,067	1,219	1,357	1,178	1,164	1,036	1,070	1,112	1,106	1,086	14,486	797
La Habra City Elementary	474	416	430	417	499	500	451	481	487	0	0	0	0	4,155	0
Laguna Beach Unified	129	131	118	133	169	226	247	239	229	249	272	286	265	2,693	267
Los Alamitos Unified	285	279	272	312	363	432	440	480	443	469	552	538	544	5,409	557
Magnolia Elementary	562	493	504	491	527	562	491	0	0	0	0	0	0	3,630	0
Newport-Mesa Unified	1,022	962	979	1,059	1,266	1,328	1,425	1,434	1,459	1,694	1,836	1,969	1,962	18,395	1,748
Ocean View Elementary	991	930	1,000	1,143	1,207	1,440	1,372	1,320	1,386	0	0	0	0	10,789	0
Orange County Schools	1	0	4	5	3	2	3	12	30	108	125	131	78	502	5
Orange Unified	1,814	1,694	1,593	1,736	2,019	2,212	2,062	2,163	2,313	2,249	2,524	2,551	2,390	27,320	2,146
Placentia Unified	960	1,001	1,069	1,174	1,267	1,497	1,438	1,375	1,331	1,399	1,423	1,332	1,203	16,469	1,137
Saddleback Valley Unified	1,096	1,312	1,304	1,447	1,633	1,785	1,842	1,717	1,696	1,646	1,583	1,604	1,405	20,070	1,301
Santa Ana Unified	3,423	3,160	2,896	2,772	2,621	2,646	2,196	1,964	1,634	2,117	1,861	1,525	1,221	30,036	896

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
Savanna Elementary	228	230	222	209	269	290	270	0	0	0	0	0	0	1,718	0
Seal Beach Elementary	81	63	63	73	78	92	95	100	92	0	0	0	0	737	0
Tustin Unified	559	583	591	662	802	830	956	905	993	1,128	1,100	1,153	1,043	11,305	1,195
Westminster Elementary	861	846	822	877	920	997	981	890	938	0	0	0	0	8,132	0
Yorba Linda Elementary	159	186	183	173	235	262	258	253	277	0	0	0	0	1,986	0
Total	23,006	22,867	22,159	23,393	25,631	27,839	30,976	26,410	26,740	29,144	29,987	29,125	27,094	344,371	24,184

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Anaheim Elementary	1,689	1,669	1,602	1,497	1,587	1,655	1,637	0	0	0	0	0	0	0	0	11,336	0
Anaheim Union High	0	0	0	0	0	0	0	3,932	3,789	0	4,140	4,020	4,113	3,980	123	24,097	3,532
Brea-Olinda Unified	276	300	265	282	311	354	385	399	401	15	396	366	400	385	0	4,535	312
Buena Park Elementary	384	395	391	374	409	403	444	384	366	71	0	0	0	0	0	3,621	0
Capistrano Unified	1,131	1,052	1,109	1,184	1,189	1,429	1,560	1,534	1,457	210	1,459	1,407	1,556	1,393	15	17,685	1,256
Centralia Elementary	547	518	506	507	509	598	634	0	0	140	0	0	0	0	0	3,959	0
Cypress Elementary	448	447	480	510	555	586	742	0	0	66	0	0	0	0	0	3,834	0
Fountain Valley Elementary	592	613	670	755	804	906	1,121	1,107	1,103	124	0	0	0	0	0	7,795	0
Fullerton Elementary	1,036	923	1,002	941	986	1,050	1,219	1,170	1,159	90	0	0	0	0	0	9,576	0
Fullerton Joint Union High	0	0	0	0	0	0	0	0	0	0	3,392	2,906	2,686	2,749	827	12,560	2,785
Garden Grove Unified	2,626	2,692	2,538	2,522	2,666	2,785	2,946	2,952	2,790	776	3,165	3,203	3,320	2,980	250	38,211	2,654
Huntington Beach City Elementary	514	607	549	578	645	752	864	892	893	92	0	0	0	0	0	6,386	0
Huntington Beach Union High	0	0	1	0	2	3	0	2	0	4	4,740	4,789	4,776	4,661	131	19,109	3,946
Irvine Unified	1,046	1,121	1,130	1,123	1,129	1,298	1,436	1,281	1,201	71	1,176	1,135	1,131	1,142	0	15,420	926
La Habra City Elementary	484	438	424	426	412	487	503	461	461	138	0	0	0	0	0	4,234	0
Laguna Beach Unified	105	113	124	119	130	166	236	247	229	14	253	267	262	293	28	2,586	266
Los Alamitos Unified	286	302	286	313	320	380	462	466	481	0	488	476	538	503	0	5,301	544
Magnolia Elementary	507	563	495	490	505	505	609	0	0	236	0	0	0	0	0	3,910	0
Newport-Mesa Unified	989	928	922	965	1,040	1,183	1,371	1,429	1,412	317	1,731	1,891	1,914	1,864	73	18,029	1,775
Ocean View Elementary	917	963	928	1,011	1,121	1,200	1,416	1,377	1,312	216	0	0	0	0	0	10,461	0
Orange County Schools	5	3	6	1	8	0	20	33	55	365	113	161	135	78	24	1,007	16
Orange Unified	1,882	1,529	1,610	1,582	1,790	2,043	2,240	2,220	2,200	50	2,369	2,296	2,445	2,374	72	26,702	2,001
Placentia Unified	993	1,059	1,066	1,149	1,201	1,375	1,534	1,529	1,364	163	1,446	1,416	1,486	1,368	27	17,176	1,021
Saddleback Valley Unified	1,174	1,160	1,306	1,324	1,504	1,694	1,805	1,936	1,727	123	1,751	1,714	1,658	1,669	67	20,612	1,394
Santa Ana Unified	3,564	3,374	2,935	2,877	2,677	2,549	2,451	2,221	2,056	215	2,333	2,084	1,643	1,212	84	32,275	1,312

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Savanna Elementary	240	236	210	219	214	248	289	0	0	9	0	0	0	0	0	1,665	0
Seal Beach Elementary	53	80	74	66	128	46	106	97	107	0	0	0	0	0	0	757	0
Tustin Unified	515	561	556	610	665	780	862	964	952	58	1,048	1,094	1,043	1,059	250	11,017	1,094
Westminster Elementary	846	835	829	829	865	902	1,022	922	873	74	0	0	0	0	0	7,997	0
Yorba Linda Elementary	168	179	180	186	172	229	254	255	261	24	0	0	0	0	0	1,908	0
Total	23,017	22,660	22,194	22,440	23,544	25,606	28,168	27,810	26,649	3,661	30,000	29,225	29,106	27,710	1,971	343,761	24,834

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Anaheim Elementary	1,723	1,740	1,565	1,660	1,458	1,583	1,677	0	0	116	0	0	0	0	0	11,522	0
Anaheim Union High	0	0	0	0	0	0	0	4,024	4,011	0	3,969	3,981	3,835	3,827	182	23,829	3,420
Brea-Olinda Unified	292	301	284	273	277	327	365	409	398	8	465	395	362	358	0	4,514	342
Buena Park Elementary	406	389	387	376	361	417	382	412	390	47	0	0	0	0	0	3,567	0
Capistrano Unified	1,075	1,107	1,049	1,127	1,159	1,211	1,472	1,581	1,577	250	1,509	1,484	1,381	1,429	70	17,481	1,069
Centralia Elementary	584	519	470	514	514	524	598	0	0	113	0	0	0	0	0	3,836	0
Cypress Elementary	406	432	441	437	511	528	601	0	0	47	0	0	0	0	0	3,403	0
Fountain Valley Elementary	592	591	638	717	749	818	934	1,118	1,084	101	0	0	0	0	0	7,342	0
Fullerton Elementary	974	1,010	894	1,038	962	1,028	1,100	1,255	1,195	140	0	0	0	0	0	9,596	0
Fullerton Joint Union High	0	0	0	0	0	0	0	0	0	0	2,963	2,742	2,573	2,563	1,271	12,112	2,503
Garden Grove Unified	2,730	2,544	2,523	2,531	2,471	2,665	2,757	3,099	2,956	527	3,071	3,221	3,111	3,050	0	37,256	2,521
Huntington Beach City Elementary	513	511	565	555	583	620	786	885	947	124	0	0	0	0	0	6,089	0
Huntington Beach Union High	1	0	2	2	1	1	3	2	0	0	4,536	4,693	4,580	4,643	0	18,464	3,953
Irvine Unified	1,115	1,106	1,144	1,185	1,183	1,155	1,348	1,484	1,300	73	1,318	1,174	1,166	1,175	0	15,926	943
La Habra City Elementary	503	457	447	428	406	391	497	487	479	135	0	0	0	0	0	4,230	0
Laguna Beach Unified	137	106	126	137	134	136	168	239	249	15	251	263	308	296	0	2,565	277
Los Alamitos Unified	296	305	286	285	305	328	407	501	482	22	543	505	483	522	0	5,270	447
Magnolia Elementary	536	525	521	490	478	505	494	0	0	229	0	0	0	0	0	3,778	0
Newport-Mesa Unified	1,112	897	861	932	971	1,081	1,232	1,382	1,463	335	1,767	1,683	1,710	1,638	59	17,123	1,725
Ocean View Elementary	989	885	952	935	1,008	1,120	1,232	1,416	1,378	223	0	0	0	0	0	10,138	0
Orange County Schools	3	5	3	5	3	4	22	41	81	560	177	201	115	101	0	1,321	79
Orange Unified	1,828	1,610	1,533	1,620	1,618	1,812	2,078	2,336	2,274	38	2,270	2,420	2,235	2,251	65	25,988	2,107
Placentia Unified	1,036	1,056	1,062	1,080	1,182	1,190	1,353	1,577	1,493	184	1,426	1,430	1,404	1,404	57	16,934	1,217
Saddleback Valley Unified	1,236	1,233	1,192	1,309	1,334	1,497	1,693	1,874	1,927	292	1,763	1,756	1,724	1,637	62	20,529	1,477
Santa Ana Unified	3,541	3,299	3,015	2,889	2,803	2,607	2,618	2,308	2,210	364	2,335	2,129	1,805	1,242	78	33,243	984

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Savanna Elementary	233	255	216	232	210	226	236	0	0	37	0	0	0	0	0	1,645	0
Seal Beach Elementary	66	56	79	66	61	99	93	122	100	7	0	0	0	0	0	749	0
Tustin Unified	526	558	533	565	593	662	807	887	995	89	1,021	1,026	1,006	969	234	10,471	1,130
Westminster Elementary	845	772	855	756	833	905	900	950	988	71	0	0	0	0	0	7,875	0
Yorba Linda Elementary	192	173	167	187	185	178	232	268	269	23	0	0	0	0	0	1,874	0
Total	23,490	22,442	21,810	22,331	22,353	23,618	26,085	28,657	28,246	4,170	29,384	29,103	27,798	27,105	2,078	338,670	24,194

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Anaheim Elementary	1,746	1,834	1,562	1,544	1,650	1,442	1,543	0	0	133	0	0	0	0	0	11,454	0
Anaheim Union High	0	0	0	0	0	0	0	3,813	3,992	0	4,129	3,898	3,959	3,509	362	23,662	3,242
Brea-Olinda Unified	269	307	290	298	275	278	326	369	393	8	460	431	376	335	0	4,415	306
Buena Park Elementary	414	451	379	374	373	352	399	336	381	71	0	0	0	0	0	3,530	0
Capistrano Unified	1,239	1,107	1,116	1,091	1,110	1,197	1,242	1,485	1,617	180	1,687	1,553	1,471	1,339	75	17,509	1,207
Centralia Elementary	558	519	480	501	537	507	519	0	0	114	0	0	0	0	0	3,735	0
Cypress Elementary	433	450	446	443	450	506	545	0	0	68	0	0	0	0	0	3,341	0
Fountain Valley Elementary	506	609	603	662	722	772	813	979	1,092	81	0	0	0	0	0	6,839	0
Fullerton Elementary	991	1,010	981	918	1,024	1,000	1,051	1,134	1,269	170	0	0	0	0	0	9,548	0
Fullerton Joint Union High	0	0	0	0	0	0	0	0	0	0	3,012	2,660	2,634	2,554	1,004	11,864	2,498
Garden Grove Unified	2,787	2,665	2,507	2,533	2,608	2,530	2,671	2,863	3,071	58	3,188	3,089	3,091	2,826	130	36,617	2,709
Huntington Beach City Elementary	516	521	477	554	544	551	646	777	940	150	0	0	0	0	0	5,676	0
Huntington Beach Union High	1	2	2	3	1	1	2	0	3	0	4,659	4,468	4,517	4,379	137	18,175	3,634
Irvine Unified	1,148	1,169	1,084	1,147	1,165	1,194	1,179	1,387	1,434	91	1,374	1,294	1,179	1,241	0	16,086	956
La Habra City Elementary	502	438	427	432	405	402	418	481	498	119	0	0	0	0	0	4,122	0
Laguna Beach Unified	129	139	110	108	154	144	143	179	240	12	248	247	262	261	0	2,376	237
Los Alamitos Unified	386	350	346	368	358	364	433	528	621	34	564	558	505	479	0	5,894	473
Magnolia Elementary	563	565	528	516	469	503	500	0	0	256	0	0	0	0	0	3,900	0
Newport-Mesa Unified	1,130	946	879	888	940	1,000	1,110	1,251	1,372	342	1,788	1,711	1,606	1,602	165	16,730	1,522
Ocean View Elementary	955	970	866	1,008	920	1,009	1,112	1,252	1,386	165	0	0	0	0	0	9,643	0
Orange County Schools	16	4	2	2	3	5	20	47	55	330	131	193	124	112	317	1,361	68
Orange Unified	1,796	1,544	1,609	1,578	1,639	1,627	1,839	2,194	2,306	36	2,313	2,313	2,311	2,059	69	25,233	1,974
Placentia Unified	997	1,058	1,023	1,069	1,087	1,201	1,247	1,439	1,582	167	1,544	1,447	1,433	1,360	62	16,716	1,248
Saddleback Valley Unified	1,258	1,331	1,249	1,217	1,351	1,372	1,534	1,775	1,893	190	1,934	1,800	1,754	1,682	36	20,376	1,407
Santa Ana Unified	3,714	3,201	3,024	3,003	2,853	2,671	2,675	2,524	2,265	364	2,588	2,092	1,858	1,280	79	34,191	1,127

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Savanna Elementary	260	216	220	201	223	230	207	0	0	0	0	0	0	0	0	1,557	0
Seal Beach Elementary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tustin Unified	557	547	617	534	598	615	698	862	898	50	1,096	1,008	984	946	217	10,227	1,011
Westminster Elementary	835	828	764	790	782	822	876	920	987	74	0	0	0	0	0	7,678	0
Yorba Linda Elementary	176	189	169	175	193	184	172	239	253	61	0	0	0	0	0	1,811	0
Total	23,882	22,970	21,760	21,957	22,434	22,479	23,920	26,834	28,548	3,324	30,715	28,762	28,064	25,964	2,653	334,266	23,619

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Anaheim Elementary	1,821	1,818	1,742	1,591	1,522	1,621	1,453	0	0	125	0	0	0	0	0	11,693	0
Anaheim Union High	0	0	0	0	0	0	0	3,519	3,777	0	4,572	4,166	3,805	3,580	0	23,419	2,852
Brea-Olinda Unified	310	293	291	297	301	306	303	347	380	26	464	412	392	328	0	4,450	317
Buena Park Elementary	457	425	434	386	393	369	364	377	352	68	0	0	0	0	0	3,625	0
Capistrano Unified	1,312	1,282	1,162	1,208	1,179	1,213	1,301	1,359	1,568	58	1,774	1,794	1,896	1,068	21	18,195	1,127
Centralia Elementary	654	510	499	517	494	539	519	0	0	148	0	0	0	0	0	3,880	0
Cypress Elementary	418	439	422	434	436	474	517	0	0	65	0	0	0	0	0	3,205	0
Fountain Valley Elementary	589	512	622	644	673	723	783	850	987	56	0	0	0	0	0	6,439	0
Fullerton Elementary	1,027	1,003	975	1,008	937	1,025	1,014	1,053	1,120	166	0	0	0	0	0	9,328	0
Fullerton Joint Union High	0	0	0	0	0	0	0	0	0	0	2,976	2,852	2,574	2,815	1,346	12,563	2,376
Garden Grove Unified	2,906	2,666	2,631	2,496	2,604	2,640	2,579	2,777	2,921	77	3,303	3,214	2,887	2,740	128	36,569	2,463
Huntington Beach City Elementary	529	554	513	500	560	571	610	666	836	133	0	0	0	0	0	5,472	0
Huntington Beach Union High	1	0	0	1	1	2	2	0	2	3	4,881	4,483	4,350	4,348	161	18,235	3,611
Irvine Unified	1,235	1,238	1,165	1,116	1,191	1,208	1,211	1,200	1,399	60	1,531	1,442	1,390	939	148	16,473	1,075
La Habra City Elementary	549	428	428	420	419	407	396	405	484	89	0	0	0	0	0	4,025	0
Laguna Beach Unified	106	143	138	117	120	157	142	152	189	13	280	265	264	269	0	2,355	250
Los Alamitos Unified	324	390	354	360	370	367	397	454	540	13	645	609	578	483	0	5,884	405
Magnolia Elementary	615	571	510	534	519	486	482	0	0	235	0	0	0	0	0	3,952	0
Newport-Mesa Unified	1,132	943	906	870	886	954	972	1,179	1,342	335	1,757	1,862	1,806	1,443	64	16,451	1,421
Ocean View Elementary	929	902	917	844	1,007	933	989	1,121	1,237	96	7	0	0	0	0	8,982	0
Orange County Schools	11	6	4	10	6	7	25	30	92	291	181	248	212	110	271	1,504	33
Orange Unified	1,815	1,653	1,609	1,586	1,606	1,656	1,637	1,923	2,279	37	2,393	2,344	2,272	2,151	62	25,023	1,829
Placentia Unified	1,051	1,096	1,061	1,046	1,129	1,107	1,258	1,302	1,455	131	1,649	1,584	1,561	1,260	28	16,718	1,204
Saddleback Valley Unified	1,291	1,277	1,317	1,287	1,282	1,345	1,408	1,629	1,815	164	1,956	1,934	2,184	1,365	67	20,321	1,485
Santa Ana Unified	3,673	3,451	2,991	3,005	2,953	2,740	2,750	2,472	2,354	542	2,713	2,305	1,829	1,321	156	35,255	1,153

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Savanna Elementary	216	270	205	196	205	210	223	0	0	29	0	0	0	0	0	1,554	0
Seal Beach Elementary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tustin Unified	596	581	565	651	589	624	642	810	880	82	1,053	1,100	1,040	978	0	10,191	996
Westminster Elementary	902	798	774	774	762	780	821	846	913	57	0	0	0	0	0	7,427	0
Yorba Linda Elementary	189	179	198	169	183	188	184	172	241	60	0	0	0	0	0	1,763	0
Total	24,658	23,428	22,433	22,067	22,327	22,652	22,982	24,643	27,163	3,159	32,135	30,614	29,040	25,198	2,452	334,951	22,597

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Anaheim Elementary	2,062	1,898	1,691	1,712	1,587	1,556	1,597	0	0	116	0	0	0	0	0	12,219	0
Anaheim Union High	0	0	0	0	0	0	0	3,372	3,542	0	4,173	4,341	4,035	3,381	0	22,844	2,916
Brea-Olinda Unified	303	316	292	300	322	311	321	311	364	34	425	422	401	317	0	4,439	314
Buena Park Elementary	489	465	419	421	363	382	397	338	354	87	0	0	0	0	0	3,715	0
Capistrano Unified	1,439	1,434	1,364	1,282	1,298	1,248	1,283	1,333	1,444	54	1,788	1,844	2,069	1,203	17	19,100	1,076
Centralia Elementary	627	576	526	494	515	522	542	0	0	135	0	0	0	0	0	3,937	0
Cypress Elementary	479	442	452	462	453	451	481	0	0	66	0	0	0	0	0	3,286	0
Fountain Valley Elementary	571	605	562	649	686	696	771	799	861	52	0	0	0	0	0	6,252	0
Fullerton Elementary	1,117	1,077	1,003	1,008	1,023	962	1,039	1,093	1,077	133	0	0	0	0	0	9,532	0
Fullerton Joint Union High	0	0	0	0	0	0	0	0	0	0	2,734	2,943	2,778	2,108	2,176	12,739	2,404
Garden Grove Unified	3,199	2,804	2,588	2,549	2,522	2,569	2,655	2,633	2,749	57	3,162	3,294	3,412	2,114	73	36,380	2,378
Huntington Beach City Elementary	588	517	508	541	513	585	609	641	736	111	0	0	0	0	0	5,349	0
Huntington Beach Union High	2	1	2	1	2	1	1	0	1	4	4,604	4,755	4,492	3,807	224	17,897	3,395
Irvine Unified	1,403	1,332	1,317	1,263	1,230	1,305	1,314	1,295	1,309	0	1,519	1,576	1,660	1,027	0	17,550	950
La Habra City Elementary	553	512	421	443	435	405	417	390	418	100	0	0	0	0	0	4,094	0
Laguna Beach Unified	153	152	148	142	119	132	152	156	152	0	209	270	272	255	0	2,312	242
Los Alamitos Unified	430	384	397	379	382	394	389	423	452	9	573	664	689	421	0	5,986	510
Magnolia Elementary	656	603	566	536	535	508	494	0	0	260	0	0	0	0	0	4,158	0
Newport-Mesa Unified	1,183	994	944	939	903	942	969	1,072	1,198	309	1,627	1,823	1,938	1,269	86	16,196	1,365
Ocean View Elementary	927	888	914	898	843	992	941	1,015	1,120	212	0	0	0	0	0	8,750	0
Orange County Schools	16	9	8	7	18	9	23	36	64	344	249	247	199	99	188	1,516	37
Orange Unified	1,575	1,647	1,605	1,618	1,592	1,632	1,683	1,732	1,973	225	2,279	2,476	2,270	1,658	442	24,407	1,835
Placentia Unified	1,134	1,082	1,128	1,123	1,086	1,159	1,162	1,316	1,298	283	1,594	1,622	1,764	1,153	339	17,243	1,167
Saddleback Valley Unified	1,364	1,378	1,336	1,382	1,346	1,302	1,468	1,488	1,668	113	1,897	2,008	2,321	1,376	99	20,546	1,505
Santa Ana Unified	4,239	3,411	3,162	3,013	2,946	2,779	2,758	2,507	2,358	598	3,124	2,373	1,644	1,299	112	36,323	1,218

Table DS 3-14 (Cont.)

Enrollment by School District, by Grade, Orange County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Savanna Elementary	206	237	255	207	209	204	215	0	0	0	0	0	0	0	0	1,533	0
Seal Beach Elementary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tustin Unified	596	687	600	578	610	603	663	700	793	27	1,021	1,078	1,098	953	9	10,016	963
Westminster Elementary	899	884	779	788	754	776	761	826	841	75	0	0	0	0	0	7,383	0
Yorba Linda Elementary	182	198	184	227	176	181	175	189	179	57	0	0	0	0	0	1,748	0
Total	26,392	24,533	23,171	22,962	22,468	22,606	23,280	23,665	24,951	3,461	30,978	31,736	31,042	22,440	3,765	337,450	22,275

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: computer printout, 1980 to 1985).

Table DS 3-15

Military Airport Facilities, Orange County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways/ Helipads	Largest (in feet)
San Clemente	San Clemente Island NALF/Frederick Sherman Field	Military - Navy		1	9,301
Santa Ana	El Toro MCAS	Military - Navy	Yes	5	10,000
Tustin	Tustin MCAS	Military - Navy	Yes	1	2,996

Source: U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

Table DS 3-16

Government Finance for Orange County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Revenue													
	Property Tax		Sales and Use Taxes		Other Taxes		Total Taxes		Intergovernmental Transfers		Other Revenue Sources		Total Revenue	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Anaheim	$7,235	$9,593	$23,228	$26,632	$8,988	$15,937	$39,452	$52,162	$26,803	$20,116	$49,094	$267,012	$115,350	$339,290
Brea	1,676	2,679	3,114	4,629	1,131	1,221	5,920	8,529	3,027	2,332	9,005	12,231	17,952	23,093
Buena Park	2,809	3,056	7,858	8,556	1,790	3,938	12,457	15,550	5,379	4,922	3,809	27,969	21,644	48,442
Costa Mesa	4,366	6,401	13,122	17,091	2,953	3,516	20,441	27,009	8,657	5,644	9,615	11,619	38,712	44,272
Cypress	1,205	1,660	2,499	2,141	1,112	1,722	4,816	5,523	3,164	2,395	2,310	3,175	10,290	11,093
Fountain Valley	2,277	2,608	3,062	3,381	745	1,048	6,083	7,037	3,798	4,138	3,993	7,408	13,875	18,583
Fullerton	5,698	6,735	8,380	9,383	2,179	3,274	16,257	19,392	11,071	10,257	8,735	18,469	36,063	48,119
Garden Grove	4,079	4,743	8,459	9,819	1,530	2,238	14,067	16,800	15,703	12,593	4,825	14,276	34,596	43,669
Huntington Beach	12,280	12,833	10,934	14,077	11,306	11,244	34,520	38,155	13,879	13,254	11,245	29,617	59,644	81,026
Irvine	3,451	4,129	7,754	13,417	4,261	12,290	15,379	29,837	7,606	5,735	13,470	10,479	36,455	46,051
Laguna Beach	2,496	3,186	1,480	1,425	1,374	2,477	5,351	7,087	3,419	2,156	5,215	7,844	13,985	17,087
La Habra	2,293	2,854	3,415	3,253	747	889	6,456	6,996	7,961	4,461	2,454	6,885	16,871	18,343
La Palma	684	833	363	501	219	216	1,266	1,549	835	1,096	610	3,691	2,712	6,336
Los Alamitos	420	531	1,539	1,305	325	279	2,257	2,115	1,087	1,024	761	993	4,104	4,131
Newport Beach	7,977	11,612	8,106	8,881	3,615	5,072	19,699	25,565	4,263	5,723	11,172	25,847	35,133	57,135
Orange	4,639	6,211	12,346	14,723	1,799	3,171	18,785	24,106	8,403	6,879	9,825	16,449	37,013	47,433
Placentia	1,526	1,861	1,571	2,323	2,164	2,568	5,260	6,752	2,862	2,058	1,478	1,816	9,600	10,626
San Clemente	1,600	2,550	1,467	1,618	584	1,405	3,651	5,573	1,721	2,534	5,626	15,444	10,998	23,551
San Juan Capistrano	854	1,272	1,060	1,312	411	737	2,325	3,320	1,563	1,078	2,268	4,099	6,155	8,497
Santa Ana	10,547	13,010	20,132	22,181	7,122	12,481	37,801	47,671	23,344	27,487	11,435	31,803	72,581	106,962
Seal Beach	1,378	1,751	939	1,116	1,178	1,780	3,495	4,647	2,366	2,264	2,330	3,319	8,191	10,231
Stanton	610	813	1,762	1,850	391	504	2,764	3,167	1,627	2,362	919	1,639	5,309	7,169
Tustin	1,664	2,103	4,264	4,954	879	869	6,807	7,926	2,116	4,047	1,535	8,114	10,458	20,087
Villa Park	323	393	153	149	120	134	596	675	380	381	293	279	1,269	1,336
Westminster	1,436	2,147	6,578	7,537	778	1,217	8,793	10,901	5,361	4,959	3,816	5,566	17,970	21,426

Table DS 3-16 (Cont.)

Government Finance for Orange County and Its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Revenue													
	Property Tax		Sales and Use Taxes		Other Taxes		Total Taxes		Intergovernmental Transfers		Other Revenue Sources		Total Revenue	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Yorba Linda	0	1,220	515	827	591	1,549	1,105	3,596	1,698	1,716	4,969	3,575	7,773	8,886
City Subtotal	$83,524	$106,784	$154,100	$183,080	$58,291	$91,776	$295,801	$381,640	$168,095	$151,613	$180,807	$539,618	$644,703	$1,072,871
County	$104,686	$167,457	$11,542	$15,231	$25,626	$7,964	$141,854	$190,651	$294,970	$362,249	$124,347	$172,262	$561,171	$725,162
City and County	$188,210	$274,241	$165,642	$198,311	$83,918	$99,740	$437,655	$572,291	$463,065	$513,861	$305,154	$711,880	$1,205,874	$1,798,033

Table DS 3-16 (Cont.)

Government Finance for Orange County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures											
	General Government		Public Protection		Public Ways and Facilities		Health and Sanitation		Public Assistance		Education	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Anaheim	$34,635	$10,028	$33,394	$42,310	$29,094	$12,080	$0	$11,156	NA	NA	$3,398	NA
Brea	2,099	3,358	4,953	7,109	7,145	3,885	0	472	NA	NA	0	NA
Buena Park	4,154	2,383	9,484	9,893	6,009	4,575	0	909	NA	NA	0	NA
Costa Mesa	9,640	4,575	9,963	17,034	5,691	7,353	0	1,527	NA	NA	0	NA
Cypress	1,068	900	3,244	4,238	3,360	2,951	0	47	NA	NA	24	NA
Fountain Valley	4,527	997	4,795	7,177	4,148	2,528	0	1,041	NA	NA	0	NA
Fullerton	10,768	3,101	10,699	16,925	10,502	9,680	0	3,078	NA	NA	1,616	NA
Garden Grove	8,013	2,003	14,900	19,061	7,557	4,296	0	1,330	NA	NA	0	NA
Huntington Beach	17,076	5,211	23,000	32,213	12,849	11,592	0	3,231	NA	NA	1,438	NA
Irvine	7,312	3,912	6,248	8,267	15,529	7,428	0	1,394	NA	NA	0	NA
Laguna Beach	2,899	2,426	3,708	4,936	3,942	3,693	0	3,022	NA	NA	0	NA
La Habra	4,772	484	5,082	6,767	4,828	1,738	0	960	NA	NA	0	NA
La Palma	661	537	1,065	1,584	512	799	0	586	NA	NA	0	NA
Los Alamitos	811	543	1,059	1,446	1,039	1,000	0	0	NA	NA	0	NA
Newport Beach	6,482	3,412	11,568	19,775	7,495	10,841	0	2,378	NA	NA	1,463	NA
Orange	5,476	2,626	13,937	15,804	8,453	6,081	0	2,210	NA	NA	1,552	NA
Placentia	1,319	855	3,841	4,415	3,106	941	0	47	NA	NA	0	NA
San Clemente	5,361	1,521	3,687	5,385	2,852	1,008	0	3,106	NA	NA	7	NA
San Juan Capistrano	1,940	1,216	761	1,109	2,687	1,082	0	1,927	NA	NA	0	NA
Santa Ana	21,876	6,128	27,089	42,125	14,707	10,516	0	2,668	NA	NA	1,890	NA
Seal Beach	2,490	937	3,457	4,327	1,371	1,281	301	961	NA	NA	0	NA
Stanton	1,240	652	3,308	4,144	1,528	1,685	0	3	NA	NA	0	NA
Tustin	2,359	1,275	3,701	7,174	2,043	3,882	0	204	NA	NA	0	NA
Villa Park	310	217	299	291	455	679	0	0	NA	NA	0	NA
Westminster	3,044	1,018	8,708	11,770	3,483	2,853	0	0	NA	NA	0	NA

Table DS 3-16 (Cont.)

Government Finance for Orange County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures											
	General Government		Public Protection		Public Ways and Facilities		Health and Sanitation		Public Assistance		Education	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Yorba Linda	1,021	772	1,315	2,112	3,679	2,308	0	0	NA	NA	0	NA
City Subtotal	$161,354	$61,086	$213,264	$297,390	$164,062	$116,753	$301	$42,256	NA	NA	$11,387	NA
County	$101,229	$106,383	$159,999	$260,645	$39,917	$15,297	$68,877	$80,703	$140,391	$227,305	$9,595	$10,377
City and County	$262,583	$167,469	$373,263	$558,035	$203,979	$132,050	$69,177	$122,959	NA	NA	$20,982	NA

Table DS 3-16 (Cont.)

Government Finance for Orange County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures: Recreation and Culture 1979-1980	Recreation and Culture 1984-1985	Debt Service 1979-1980	Debt Service 1984-1985	Public Utilities 1979-1980	Public Utilities 1984-1985	Community Development 1979-1980	Community Development 1984-1985	Total Expenditures 1979-1980	Total Expenditures 1984-1985
Anaheim	$18,801	$41,015	NA	NA	NA	$207,551	NA	$13,729	$119,321	$337,868
Brea	942	774	NA	NA	NA	3,960	NA	1,263	16,789	20,821
Buena Park	1,382	1,404	NA	NA	NA	3,600	NA	1,690	21,030	24,452
Costa Mesa	5,606	4,558	NA	NA	NA	0	NA	3,082	30,900	38,126
Cypress	0	1,000	NA	NA	NA	0	NA	874	7,695	10,008
Fountain Valley	1,799	1,118	NA	NA	NA	3,442	NA	728	15,276	17,031
Fullerton	2,893	5,066	NA	NA	NA	7,684	NA	2,377	36,481	47,912
Garden Grove	5,099	2,022	NA	NA	NA	6,373	NA	5,204	35,570	40,287
Huntington Beach	6,698	10,308	NA	NA	NA	8,069	NA	2,581	61,062	73,205
Irvine	4,720	10,639	NA	NA	NA	0	NA	4,254	33,810	36,151
Laguna Beach	1,623	1,938	NA	NA	NA	0	NA	688	12,172	16,669
La Habra	1,108	1,359	NA	NA	NA	2,986	NA	2,368	15,790	16,661
La Palma	450	622	NA	NA	NA	1,296	NA	227	2,689	5,651
Los Alamitos	468	778	NA	NA	NA	0	NA	534	3,377	4,301
Newport Beach	4,136	7,689	NA	NA	NA	6,817	NA	2,359	31,146	53,892
Orange	3,955	3,941	NA	NA	NA	9,012	NA	2,437	33,374	42,114
Placentia	1,976	1,523	NA	NA	NA	0	NA	1,143	10,241	9,261
San Clemente	2,064	2,197	NA	NA	NA	2,994	NA	1,419	13,970	17,679
San Juan Capistrano	596	690	NA	NA	NA	0	NA	1,503	5,982	7,525
Santa Ana	5,929	9,812	NA	NA	NA	12,636	NA	17,189	71,491	101,076
Seal Beach	1,104	2,203	NA	NA	NA	1,207	NA	429	8,722	11,343
Stanton	302	411	NA	NA	NA	0	NA	288	6,429	7,183
Tustin	710	1,475	NA	NA	NA	6,424	NA	584	8,814	21,017
Villa Park	13	18	NA	NA	NA	0	NA	20	1,079	1,224
Westminster	1,572	1,537	NA	NA	NA	3,224	NA	1,416	16,809	21,857

Table DS 3-16 (Cont.)

Government Finance for Orange County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures: Recreation and Culture 1979-1980	Recreation and Culture 1984-1985	Debt Service 1979-1980	Debt Service 1984-1985	Public Utilities 1979-1980	Public Utilities 1984-1985	Community Development 1979-1980	Community Development 1984-1985	Total Expenditures 1979-1980	Total Expenditures 1984-1985
Yorba Linda	1,305	2,020	NA	NA	NA	0	NA	1,741	7,320	8,953
City Subtotal	$75,251	$116,115	NA	NA	NA	$287,274	NA	$70,128	$627,338	$992,265
County	$2,784	$3,186	$1,619	$6,478	NA	NA	NA	NA	$551,000	$710,375
City and County	$78,035	$119,301	NA	NA	NA	NA	NA	NA	$1,178,339	$1,702,641

Source: California State Controller's Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controller's Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

NA - Not available.

Data may not be directly comparable. See table in this data supplement entitled "Government Finance: Supplementary Expenditures Information" for a listing of the components of each category.

Table DS 3-17

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
General	General	General Government	General Government
Legislative and Administrative	Legislative and Administrative	Departmental	Legislative
Board of Supervisors	Board of Supervisors	City Council	Management and Support
Chief Administrative	Clerk of Board	Manager/Administrator	
Housing and Community Development	Administrative Officer	City Clerk	Public Safety
Planning and Land Use	Council of Governments	Controller/Finance Officer	Police
Finance	Other	City Treasurer	Fire
Chief Administrative	Finance	City Attorney	Emergency Medical Services
Auditor and Controller	Auditor/Controller	Planning	Animal Regulation
Assessor	Treasurer/Tax Collector	Personnel Administration	Weed Abatement
Treasurer/Tax Collector	Assessor	General Government Buildings	Street Lighting
Purchasing Agent	Purchasing Agent	Nondepartmental	Disaster Preparedness
Revenue and Recovery	Other	Debt Service	Other
Counsel	Counsel	General Obligation Bonds - Interest	
County Counsel	County Counsel	General Obligation Bonds - Principal	Community Development
Personnel	District Attorney (Legal Advice)	Non-enterprise Bonds - Principal	Planning
Chief Administrative	Other	Non-enterprise Bonds - Interest	Construction and Engineering Regulation
Civil Service and Personnel	Counsel	Other Long Term Debt - Interest	Enforcement
Elections	Personnel	Other Long Term Debt - Principal	Redevelopment
Registrar of Voters	Elections	Retirement	Housing
Communications	Communications	Insurance	Employment
Community Services Agency (CSA) - General Services	Property Management	Community Promotion	Community Promotion
Property Management	Plant Acquisition	Elections	Other
CSA - General Services	Jails	Other	
Property Management	Courts		Health
Plant Acquisition	Other	Public Safety	Physical and Mental Health
CSA - Capital Improvement	Promotion	Police Protection	Hospitals and Sanitariums
Federal Revenue Sharing	Other General	Fire Protection	Solid Waste
		Building Regulation	Sewers

Table DS 3-17 (Cont.)

Government Finance: Supplemantary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Accumulated Capital Outlay	Public Protection	Animal Regulation	Cemetaries
Other General	Judicial	Civil Defense	Other
Chief Administrative	Superior Courts		
Equal Opportunity Management Office	Municipal Courts	Public Works	Culture and Leisure
EDP Services	Justice Courts	Engineering and Administration -	Parks and Recreation
CSA	Court Reporter	Streets, Storm Drains, Street Lighting	Marinas and Wharfs
CSA - Capital Improvement	County Clerk	Parking Facilities	Libraries
CSA - Federal Revenue Sharing	Grand Jury	Sewage Collection and Disposal	Museums
Accumulated Capital Outlay	District Attorney - Prosecution	Waste Collection and Disposal	Golf Courses
General Services	District Attorney - Family Support	Unallocated Costs - Shops and Corporation	Sports Arenas/Stadiums
Planning and Land Use	Public Defender	Yards	Community Centers/Auditoriums
Department of Transportation -	Court Appointed Counsel		Other
General Fund	Marshal - Court	Health	
	Sheriff - Court	Health Services	Public Utilities
Public Protection	Police Protection		Water
Judicial	Detention and Correction	Libraries	Gas
Fiscal and Justice Office	Adult Detention	Library Services	Electric
Criminal Justice Planning	Juvenile Detention		Other
Superior Court	Probation	Parks and Recreation	
Municipal Court	Fire Protection	Parks and Recreation	
Sheriff	Flood Control		
Grand Jury	Soil and Water Conservation		
County Clerk	Protective Inspection		
District Attorney	Agricultural Commissioner		
Office of Defender Services	Building Inspector		
Police Protection	Livestock Inspector		
Sheriff	Sealer of Weights and Measures		
Marshal	Other Protection		
Detention and Correction	LAFCO		

Table DS 3-17 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Sheriff	Recorder		
Probation	Coroner		
Fire Protection	Emergency Services		
Chief Administrative	Planning and Zoning		
Protective Inspection	Pound		
Department of Animal Control			
Department of Agriculture	Public Ways and Facilities		
Department of Health Services	Roads		
Other Protection	Transportation Terminals		
Chief Administrative	Transportation Systems		
Recorder	Parking Facilities		
Public Administrator			
Coroner	Health		
Department of Human Services	Public Health		
County Grazing and Advisory Board	Medical Care		
Fish and Game Commission	Mental Health		
Department of Planning and Land Use			
Survey Monument Preservation	Sanitation		
Department of Air Pollution Control	Refuse Collection and Disposal		
Public Ways and Facilities	Public Assistance		
Public Ways	Aid Programs		
Department of Transportation -	Cash (Grant) Aid Programs		
Road Fund	Social Services Administration and		
Transportation Terminals	Programs		
Special Aviation	Other		
Transportation Systems	General Relief		
Administrative Claims and B&P	Aid to Indigents		
	Indigent Burials		

Table DS 3-17 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Health and Sanitation	Care of Court Wards		
Health	Veteran's Services		
Department of Health Services	Other Public Assistance		
Hospital Care	JTPA		
Department of Health Services	Other		
Sanitiation			
Sanitation and Flood Control	Education		
	School Administration		
Public Assistance	Library Services		
Administration	Agriculture Education		
Chief Administrative	Other		
Department of Human Services			
Area Agency on Aging - Federal	Recreation and Culture Services		
Revenue Sharing	Recreation Facilities		
Department of Health Services	Cultural Services		
Department of Public Welfare	Veteran's Memorial Building		
Aid Programs	Small Craft Harbor		
General Relief			
Department of Public Welfare	Debt Service		
Care of Court Wards	Retirement of Long Term Debt		
Other Assistance	Interest of Long Term Debt		
Department of Public Welfare	Interest of Short Term Notes and		
Department of Health Services	Warrants		
Education			
Library Services			
County Library			
Government Reference Library			
Agriculture Education			

Table DS 3-17 (Cont.)

Government Finance: Supplementary Expenditures Information

	County		City	
	1979-1980	1984-1985	1979-1980	1984-1985
Farm Advisor				
Recreation and Cultural Services				
Recreation Facilities				
Department of Parks and Recreation				
Park Land Dedication				
Debt Service				
Bond Redemptions				
Bond Interest				
Interest on Notes and Warrants				

Source: California State Controllers Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controllers Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

Table DS 3-18

Major Species of Fish

Crustaceans: Crab, Crayfish, Lobster
Shrimp, Prawns

Flatfish: Flounder, Halibut, Sole, Turbot

Hake and Cod

Herring and Anchovy: Anchovy, Herring, and Sardine

Lingcod

Marine Plants: Algae, Kelp

Mollusk: Abalone, Barnacle, Clams, Limpet, Mussels, Octopus, Oysters, Scallops, Sea Slugs, Sea Snails, Squid, Whelk

Other - Fish: Barracuda, Bass, Butterfish, Cabezon, Croaker, Eel, Grenadiers, Greenling, Grunion, Jacksmelt, Louvar, Mackerel, Opah, Queenfish, Scorpionfish, Sculpin, Seabass, Silversides, Surfperch, Swordfish, Thornyhead, Wolf-eel, Yellowtail

- Invertebrates: Colonials, Coral, Sea Cucumbers, Sea Hares, Sea Spiders, Seastars, Sponges, Tunicates, Urchins, Worms

- Vertebrates: Bull Frog

Rockfish

Sablefish

Salmon

Sanddab

Shark, Skates, and Ray: Guitarfish, Ray, Shark, Skate

Smelt

Tuna

Source: Kearney/Centaur Division, A.T. Kearney Inc., Washington, D.C., 1987.

Table DS 3-19

GNP Implicit Price Deflator

Year	Price Index for 1972 Base Year	Price Deflator for 1986 Base Year
1970	91.5	2.593
1971	96.0	2.472
1972	100.0	2.373
1973	105.8	2.243
1974	115.1	2.062
1975	125.8	1.886
1976	132.3	1.794
1977	140.1	1.694
1978	150.4	1.578
1979	163.4	1.452
1980	178.4	1.330
1981	195.1	1.216
1982	206.9	1.147
1983	215.6	1.101
1984	223.9	1.060
1985	239.7	0.990
1986	237.3	1.000

Source: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Product Accounts of the United States, 1929-1976, Current Survey of Business, July, 1972-1986, Current Survey of Business, December, 1986.

Note: The real prices presented in all tables in this document were derived by multiplying the 1986 deflator to the unadjusted data. For example, data collected in 1980 dollars were converted to real 1986 dollars by the 1980-1986 GNP Implicit Price Deflator of 1.330. To convert a price given in 1986 dollars to an earlier year, divide the 1986 figure by the GNP Implicit Price Deflator for the desired year.

SAN DIEGO COUNTY

4.0 SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, CALIFORNIA

4.1 Regional Location

San Diego County is the southern most county among the three counties in the Southern California Planning Area. It is bordered by Orange and Riverside counties to the north, Imperial County to the east, Mexico to the south, and the Pacific Ocean to the west. Orange County is also part of the Southern California Planning Area.

San Diego County covers about 11,087 square kilometers (4,281 square miles). Land makes up 11,021 square kilometers (4,255 square miles) of the county's area. Water area accounts for the remaining 66 square kilometers (26 square miles). The county accounts for about 2.7 percent of the total area in California and ranks 10th in size among the 58 counties in the state in terms of area. It is the largest county in the Southern California Planning Area and the largest of the 15 coastal counties in terms of area. Figure 4-1 is a map of San Diego County.

4.2 Summary of the Socioeconomic Profile

The following points highlight and summarize information presented in the remainder of this section describing the historical (since 1970) and projected (to 2020) socioeconomic characteristics of San Diego County.

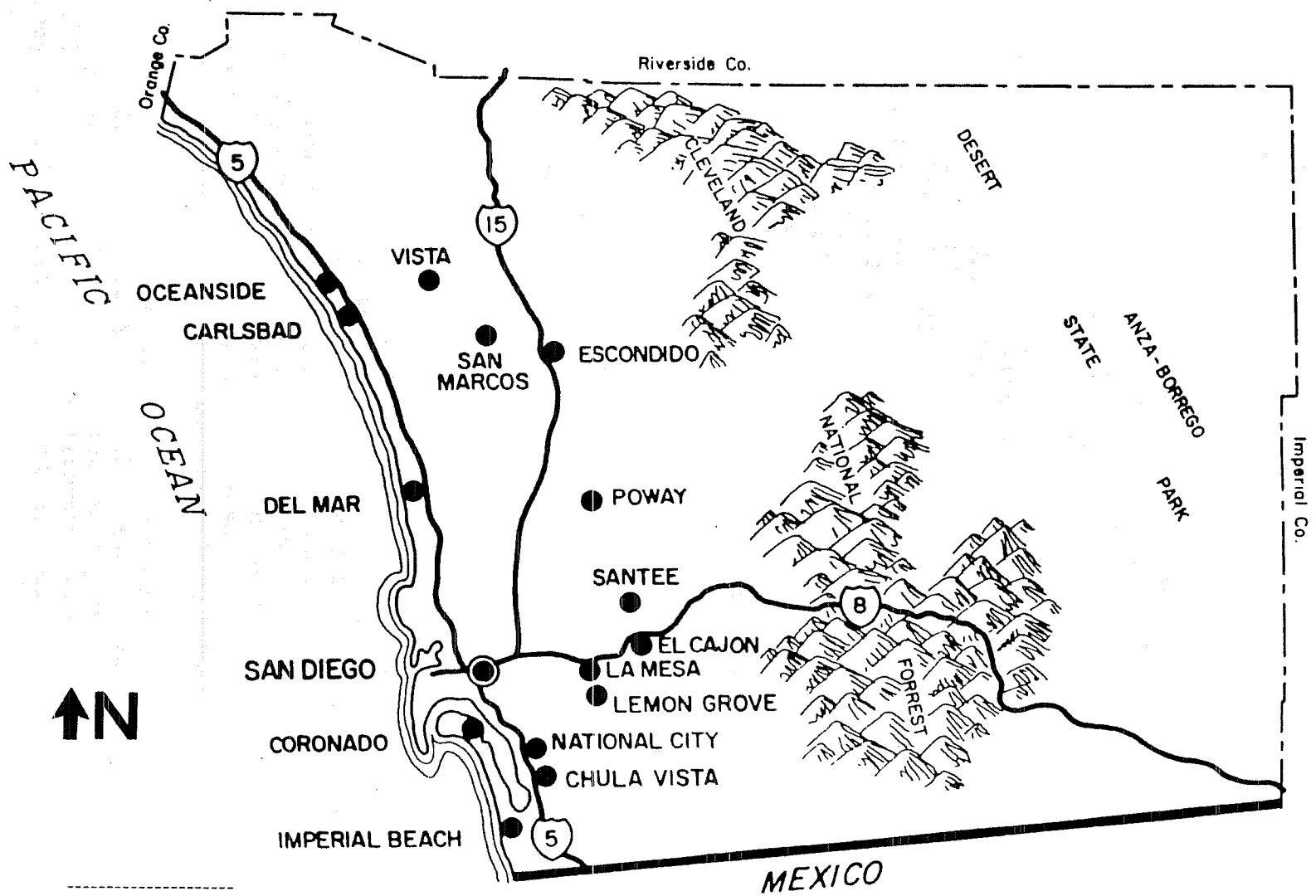
- Demographics

  San Diego County population in 1980 was 1,873,800, an increase of 37.1 percent from 1970. The compound annual growth rate between 1970 and 1980 in the nation was 1.1 percent compared to 1.7 percent in California and 3.2 percent in the county. The estimated 1986 population of the county was 2,205,900. A net in-migration accounted for about 66.5 percent of the county's population growth between 1970 and 1980 and 63.5 percent of the population growth between 1980 and 1986. In 1980 the population density was 169.0 persons per square kilometer (453.7 persons per square mile).

  San Diego, the county seat and the county's oldest city, is the largest city. In January 1980, the city's population was 865,000, an increase of 24.0 percent from 1970. The city's residents accounted for about 46.7 percent of the county's population in 1980. The estimated 1986 population was 1,002,900.

Figure 4-1

San Diego County



Source: Employment Development Department, Annual Planning Information: San Diego County 1986-1987 (Los Angeles: 1986).

The county's population is projected to be 3,644,700 in 2020, an increase of 94.5 percent from 1980. The compound annual rate of growth over the 40-year period is projected to be 1.6 percent, compared to a projected 1.3 percent for California.

- Economics

In 1980, the labor force was 775,300 with an unemployment rate of 6.8 percent. Unemployment in 1975 reached 10.4 percent. The decline in the unemployment rate in the county from 1983 (8.2 percent) through 1985 (5.3 percent) followed the trend in the state and the nation, although the county unemployment rate remained lower than that of the state and the nation during this time.

Personal income (in 1986 dollars) by place of residence was $25,139.1 million for the county in 1980. This amounted to $13,416 per person living in the county, or 87.0 percent of the per capita income for California and 101.7 percent of that of the U.S. in 1980.

Earnings (in 1986 dollars) by place of employment was $17,330.6 million in 1980. In 1980, the predominant contributors to earnings were government with 30.5 percent of the county total, service industries with 18.6 percent, manufacturing with 16.9 percent, and retail trade with 10.2 percent. By 1984, the primary contributors to earnings were government (28.7 percent), service industries (20.8 percent), and manufacturing (17.0 percent).

In 1980, employment (excluding farms and timber harvesting) in the county was 674,227, including 22.2 percent in service industries, 20.9 percent in government, 18.9 percent in retail trade, and 15.9 percent in manufacturing. In 1984, service industries was the predominant sector providing employment (24.1 percent), followed by retail trade (19.1 percent), government (19.0 percent), and manufacturing (15.5 percent).

In 1980, there were an estimated 5,633 farms with 26,297 part-time, seasonal, and full-time employees. Primary agricultural commodities in terms of 1984 sales were, in rank order, indoor decoratives, eggs, avocados, and tomatoes.

- Housing

The housing stock in San Diego County grew 60.1 percent between 1970 and 1980, from 449,989 units to 720,346. Single family units accounted for 60.9 percent of the units in 1980, and owner occupied units accounted for 55.1 percent of the units.

In 1986, there were about 5,175 campsites in 59 campgrounds in the county. The number of hotel/motel rooms in the county in 1985 was estimated at about 23,120.

- Public Services and Facilities

  Police protection (1.54 sworn officers per 1,000 residents in 1985) in the county is provided by the Sheriff's Department and nine city police departments. Fire protection (1.01 fire fighters per 1,000 residents in 1984) is provided by 62 fire departments and/or districts and community service districts.

  There are 29 water systems in San Diego County, each with 200 or more connections. In 1986, almost all of the population was served by these water systems. The remainder of the population is served by water systems each having fewer than 200 connections. Imported and local groundwater are the sources of water used in the county.

  There were 25 sewage treatment facilities operating in 1986. Seven of these were operating at 99.0 percent or more of capacity. By 2000, five sewage treatment facilities are projected to have increased capacity from their 1986 level and four are projected to have decreased their capacity. One additional facility is also planned by 2000.

  The county has seven municipal landfills. Current landfill capacity is projected to be sufficient to handle the increase in solid waste disposal requirements in the county only up to 1996.

  There are 44 school districts in the county. Enrollment in the 1980-81 school year was 299,324. Public school enrollment is projected to be 434,683 in the 1995-96 school year, or 45.2 percent more than in 1980-81.

- Public Finance

  Total city (14 cities in 1980) and county revenue were slightly less than $1,189.2 million (in 1986 dollars) in fiscal year 1980, compared to expenditures of $1,214.1 million. Local government entities showing a negative fiscal balance in fiscal year 1980 were the county and the cities of Coronado, Del Mar, La Mesa, National City, Oceanside, San Marcos, and Vista.

- Energy Consumption

  Electricity in San Diego County is provided by the city of Escondido, and San Diego Gas and Electric which also provides natural gas in the county.

- Land Use

  The federal government owns or leases 26.8 percent of the county's land area and 86.2 percent of the county's area is classified as native (native vegetation, water area, barren wasteland, and unsegregated native classes).

- Other Characteristics

  The major port facilities in San Diego County are located in San Diego Harbor. In 1980, the total amount of international and intracontinental freight shipped through San Diego Harbor was 2.2 million tons. The major commodity shipped was residual fuel oil. The harbor is also the major port for commercial fishing in the county. In 1980, landings by weight for the county totaled 201.8 million pounds. Total value of landings, available only for the port of San Diego, were $146.9 million (in 1986 dollars) in 1980.

4.3 Demographic Profile

4.3.1 Population

In July 1980, the population in San Diego County was estimated at 1,873,800 (see Table 4-1). The county accounted for about 7.9 percent of California population in 1980, compared to 6.8 percent in 1970 and 8.1 percent in 1985. The county ranked 3rd among the 58 California counties in terms of population size in 1970 and 1980 compared to 2nd in 1985. (Orange County had the same proportion of California population as San Diego County did in 1985. However, San Diego County's population was slightly larger.) In 1985, San Diego County had the 2nd largest population of the counties in the Southern California Planning Area.

Between 1970 and 1980, population in San Diego County increased 37.1 percent. The percentage change in county population was slightly smaller between 1970 and 1975 (16.6 percent) than between 1975 and 1980 (17.5 percent). The compound rate of annual growth between 1970 and 1980 was 1.1 percent in the nation compared to 1.7 percent during the same time in the state and 3.2 percent in the county. During the 10-year period, the population growth rate in the county was the largest of the counties in the Southern California Planning Area. In 1985, the county's population was estimated at 2,130,200, an increase of 13.7 percent during the 5-year period since 1980. The county's 1986 population was estimated at 2,205,900 (see Table 4-1). The compound rate of annual growth between 1980 and 1986 was 2.8 percent. Annual population estimates from 1970 to 1986 are provided in the data supplement (see Table DS 4-2). (Note: Tables numbered with the prefix DS are found in the data supplement at the end of this section.)

Percentage changes in population for 5-year intervals between 1970 and 1985 for the United States, California, and San Diego County are shown in Figure 4-2. For each of the 5-year intervals shown in Figure 4-2, the percentage change in San Diego County population was greater than that of the nation and the state.

The population in the county is primarily civilian. In the years shown in Table 4-1, the proportion of the population counted as military declined from a high of 11.1 percent in 1970 to a low of 5.9 percent in 1986 (see Table 4-1). The military population in San Diego County is concentrated north of Oceanside in and around Camp Pendleton, in the city of San Diego, and in the areas of Coronado, National City, Chula Vista,

Table 4-1

Socioeconomic Profile of San Diego County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Population												
Total - July 1 for 1970-2020	1,367,200	1,594,100	16.6	1,873,800	17.5	1,927,500	1,975,200	2,018,300	2,072,600	2,130,200	13.7	2,205,900
Total - January 1 for 1975-2020, and April 1 for 1970	1,357,854	1,560,700	14.9	1,850,300	2.4	1,899,900	1,944,900	1,988,600	2,041,400	2,102,500	13.6	2,166,200
Carlsbad (a)	14,944	19,200	28.5	35,450	84.6	35,600	37,650	39,200	40,650	44,950	26.8	48,850
Chula Vista (a)	67,901	75,300	10.9	83,600	11.0	84,400	86,600	88,000	89,000	91,200	9.1	116,300
Coronado (a)	20,020	19,200	-4.1	19,450	1.3	19,300	20,050	19,950	19,650	19,950	2.6	19,450
Del Mar (a)	3,956	4,720	19.3	5,025	6.5	5,050	5,025	5,050	5,150	5,175	3.0	5,100
El Cajon	52,273	60,100	15.0	73,400	22.1	74,800	77,500	78,300	79,600	81,500	11.0	81,800
Escondido	36,792	49,250	33.9	63,700	29.3	65,600	70,500	72,200	74,000	76,300	19.8	79,600
Imperial Beach (a)	20,244	20,900	3.2	22,250	6.5	22,950	23,500	23,400	23,900	24,600	10.6	24,900
La Mesa	39,178	42,650	8.9	50,000	17.2	49,900	51,000	51,900	52,200	52,600	5.2	51,800
Lemon Grove	NA	NA	NA	20,600	NA	20,750	21,200	21,500	21,700	21,900	6.3	21,800
National City (a)	43,184	43,700	1.2	50,100	14.6	52,800	54,600	53,500	54,400	51,900	3.6	55,400
Oceanside (a)	40,494	54,800	35.3	75,600	38.0	78,200	82,500	84,200	87,400	92,600	22.5	96,600
Poway	NA	NA	NA	NA	NA	33,250	34,550	35,000	35,300	36,450	NA	37,950
San Diego (a)	697,471	771,200	10.6	865,000	12.2	887,700	901,200	929,300	956,000	979,800	13.3	1,002,900
San Marcos	3,896	9,800	151.5	17,250	76.0	17,850	18,250	18,500	18,900	20,050	16.2	20,900
Santee	NA	NA	NA	NA	NA	41,700	43,050	44,750	45,800	47,950	NA	49,250
Vista	24,688	28,300	14.6	35,500	25.4	37,050	38,950	40,900	41,750	44,450	25.2	46,750
City Total	1,065,041	1,199,120	12.6	1,416,925	18.2	1,526,900	1,566,125	1,605,650	1,645,400	1,691,375	19.4	1,759,350
Unincorporated	292,813	361,580	23.5	433,375	19.9	373,000	378,775	382,950	396,000	411,125	-5.1	406,850
Urban *	1,270,735	1,503,342	18.3	1,735,948	15.5	NA	NA	NA	NA	NA	NA	NA
Rural *	87,119	106,509	22.3	125,898	18.2	NA	NA	NA	NA	NA	NA	NA
Civilian	1,215,000	1,470,200	21.0	1,751,100	19.1	1,807,700	1,851,600	1,897,300	1,948,900	2,002,800	14.4	2,075,300
Density/Sq. Km.	123.3	143.8	16.6	169.0	17.5	173.9	178.2	182.0	186.9	192.1	13.7	199.0
(Density/Sq. Mi.)	(334.5)	(400.3)	(19.7)	(453.7)	(13.3)	(450.3)	(461.4)	(471.5)	(484.2)	(497.6)	(9.7)	(515.3)

Table 4-1 (Cont.)

Socioeconomic Profile of San Diego County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Age												
Under 18 *	434,191	456,439	5.1	478,687	4.9	489,353	500,019	510,686	521,352	532,018	11.1	541,619
65 and Over *	118,296	155,771	31.7	193,246	24.1	201,721	210,197	218,672	227,148	235,623	21.9	246,861
Median *	25.6	27.2	6.1	28.7	5.7	29.0	29.2	29.5	29.8	30.0	4.6	30.4
Median Head of Household *	44.2	43.1	-2.5	42.0	-2.6	NA	NA	NA	NA	NA	NA	NA
Households												
Number *	423,513	547,657	29.3	671,800	22.7	686,500	701,200	715,900	730,600	745,300	10.9	770,260
Median Size *	2.94	2.79	-5.3	2.63	-5.6	2.65	2.67	2.69	2.71	2.73	3.8	2.71
Education												
Median School Years Completed *	12.4	12.6	1.6	12.8	1.6	NA	NA	NA	NA	NA	NA	NA
Civilian Labor Force												
Employment	430,495	521,900	NA	722,500	38.4	746,500	756,800	805,100	860,800	907,400	25.6	NA
Employment Rate	93.7	89.6	NA	93.2	4.0	93.1	90.7	91.8	94.0	94.7	1.6	NA
Unemployment	29,184	60,500	NA	52,800	-12.7	55,200	77,200	72,000	54,500	50,800	-3.8	NA
Unemployment Rate	6.3	10.4	NA	6.8	-34.6	6.9	9.3	8.2	6.0	5.3	-22.1	NA
Labor Force	459,679	582,400	NA	775,300	33.1	801,700	834,000	877,100	915,300	958,200	23.6	NA
Place of Employment												
Inside County *	501,392	623,082	24.3	744,771	19.5	NA	NA	NA	NA	NA	NA	NA
Outside County *	8,029	26,881	234.8	45,733	70.1	NA	NA	NA	NA	NA	NA	NA
Employment Participation Ratio *	47.2	51.7	9.4	56.1	8.6	NA	NA	NA	NA	NA	NA	NA

Table 4-1 (Cont.)

Socioeconomic Profile of San Diego County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1970	1975	Percent Change 1970-1975	1980	Percent Change 1975-1980	1981	1982	1983	1984	1985	Percent Change 1980-1985	1986
Income												
Total Personal	$15,174,236,000	$18,189,715,600	19.9	$25,139,128,000	38.2	$26,032,128,000	$26,526,669,000	$27,426,020,100	$29,476,586,000	NA	NA	NA
Per Capita	$11,099	$11,411	2.8	$13,416	17.6	$13,506	$13,430	$13,589	$14,222	NA	NA	NA
Median Household	NA	$17,864	NA	$16,866	-5.6	$16,686	$17,359	$17,429	$18,018	NA	NA	NA
Housing												
Total Units	449,989	572,811	27.3	720,346	25.8	731,718	744,655	752,369	764,456	787,210	9.3	821,234
Year Round *	449,738	583,822	29.8	717,906	23.0	NA	NA	NA	NA	NA	NA	NA
Seasonal *	251	1,346	436.1	2,440	81.3	NA	NA	NA	NA	NA	NA	NA
Occupied *	422,767	546,431	29.3	670,094	22.6	NA	NA	NA	NA	NA	NA	NA
Owner *	238,931	304,089	27.3	369,247	21.4	NA	NA	NA	NA	NA	NA	NA
% Owner *	56.5	55.8	-1.2	55.1	-1.3	NA	NA	NA	NA	NA	NA	NA
Renter *	183,836	242,342	31.8	300,847	24.1	NA	NA	NA	NA	NA	NA	NA
% Renter *	43.5	44.2	1.6	44.9	1.6	NA	NA	NA	NA	NA	NA	NA
Vacancy Rate	6.0	6.7	11.7	7.0	4.5	6.6	6.5	6.3	6.1	6.1	-12.9	5.8
Miles of Public Roads	6,894	7,286	5.7	8,082	10.9	8,243	8,103	8,115	8,370	8,393	3.8	NA

Table 4-1 (Cont.)

Socioeconomic Profile of San Diego County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Population													
Total - July 1 for 1970-2020	2,387,800	12.1	2,630,300	10.2	2,852,500	8.4	3,053,100	7.0	3,254,300	6.6	3,454,700	6.2	3,644,700
Total - January 1 for 1975-2020, and April 1 for 1970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carlsbad (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chula Vista (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coronado (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Del Mar (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
El Cajon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Escondido	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Imperial Beach (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
La Mesa	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lemon Grove	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National City (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oceanside (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Poway	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Diego (a)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Marcos	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Santee	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vista	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
City Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unincorporated	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Urban *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Civilian	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Density/Sq. Km.	215.4	12.1	237.2	10.2	257.3	8.4	275.4	7.0	293.5	6.6	311.6	6.2	328.7
(Density/Sq. Mi.)	(557.8)	(12.1)	(614.5)	(10.2)	(666.4)	(8.4)	(713.2)	(7.0)	(760.2)	(6.6)	(807.1)	(6.2)	(851.4)

Table 4-1 (Cont.)

Socioeconomic Profile of San Diego County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Age													
Under 18 *	580,025	9.0	650,517	12.2	662,816	1.9	666,255	0.5	669,694	0.5	673,132	0.5	676,571
65 and Over *	291,813	23.8	332,061	13.8	364,989	9.9	433,078	18.7	501,167	15.7	569,255	13.6	637,344
Median *	32.1	6.8	33.5	4.6	35.6	6.2	36.5	2.5	37.4	2.4	38.3	2.4	39.2
Median Head of Household *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Households													
Number *	870,100	16.7	966,000	11.0	1,076,700	11.5	NA	NA	NA	NA	NA	NA	NA
Median Size *	2.65	-2.9	2.63	-0.8	2.55	-3.0	NA	NA	NA	NA	NA	NA	NA
Education													
Median School Years Completed *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Civilian Labor Force													
Employment	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Employment Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Labor Force	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Place of Employment													
Inside County *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Outside County *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Employment Participation Ratio *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-1 (Cont.)

Socioeconomic Profile of San Diego County, 1970-2020

(Income data in 1986 dollars)

Characteristic	1990	Percent Change 1985-1990	1995	Percent Change 1990-1995	2000	Percent Change 1995-2000	2005	Percent Change 2000-2005	2010	Percent Change 2005-2010	2015	Percent Change 2010-2015	2020
Income													
Total Personal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Per Capita	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Median Household	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Housing													
Total Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Year Round *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Seasonal *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Occupied *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Owner *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% Owner *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Renter *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% Renter *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vacancy Rate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miles of Public Roads	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

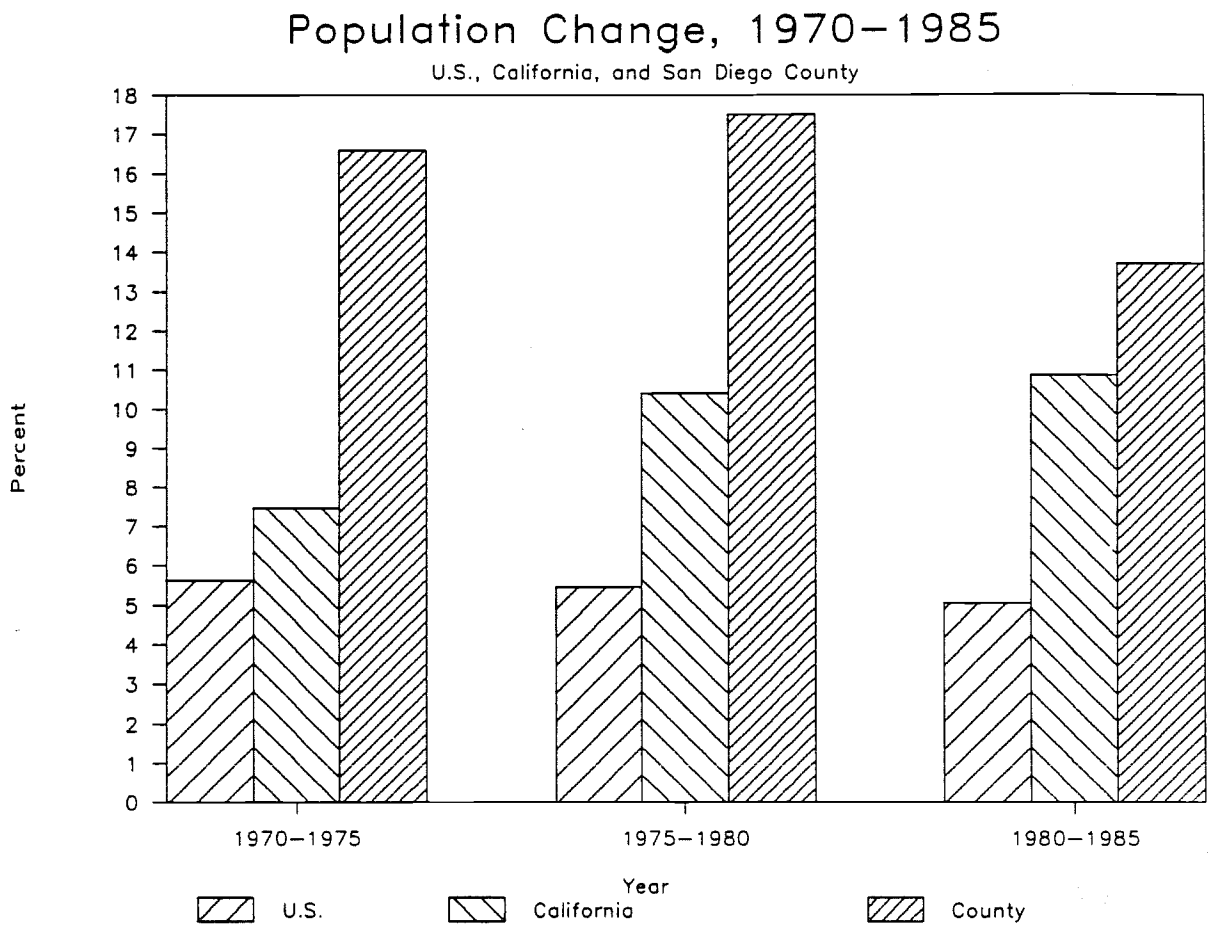
Source: See Table 4-35, Key to the References, and References at the end of the profile.

(a) - Indicates a city which is subject to the Coastal Zone Management Program, is the county seat, and/or the county's largest city.

* - One or more data points estimated using a straight line projection. See Key to the References and References at the end of the profile to locate specific estimated data points.

NA - Not available.

Figure 4-2



Source: California Department of Finance, California Statistical Abstract (Sacramento: 1986).

and Imperial Beach (San Diego County Department of Planning and Land Use, 1986).

Most of the county's population lives in cities. (It should be noted that the 1975 to 1986 population data for cities shown in Table 4-1 are estimates as of January 1, the only period for which the California Department of Finance makes city population estimates. The 1970 city population data are U.S. Bureau of the Census estimates and represent population as of April 1.) The proportion of the county's population living in cities increased from 78.4 percent in 1970 to 81.2 percent in 1986. In 1980, 76.6 percent (1,416,925 people) of the population lived in the county's existing 14 cities. Although two cities (Poway and Santee) were incorporated in 1980, their 1980 populations were counted by the Department of Finance in the unincorporated area and are not included as part of the city estimates. Similarly, the 1986 populations of Encinitas and Solano Beach which were incorporated in 1986 were also counted by the Department of Finance in the unincorporated category (i.e., excluded from city population estimates). The population in cities and the unincorporated area of the county from 1970 to 1986 is shown in Figure 4-3. San Diego is the county's oldest city, the county seat, and the county's largest city. In January 1980, its population was estimated at 865,000.

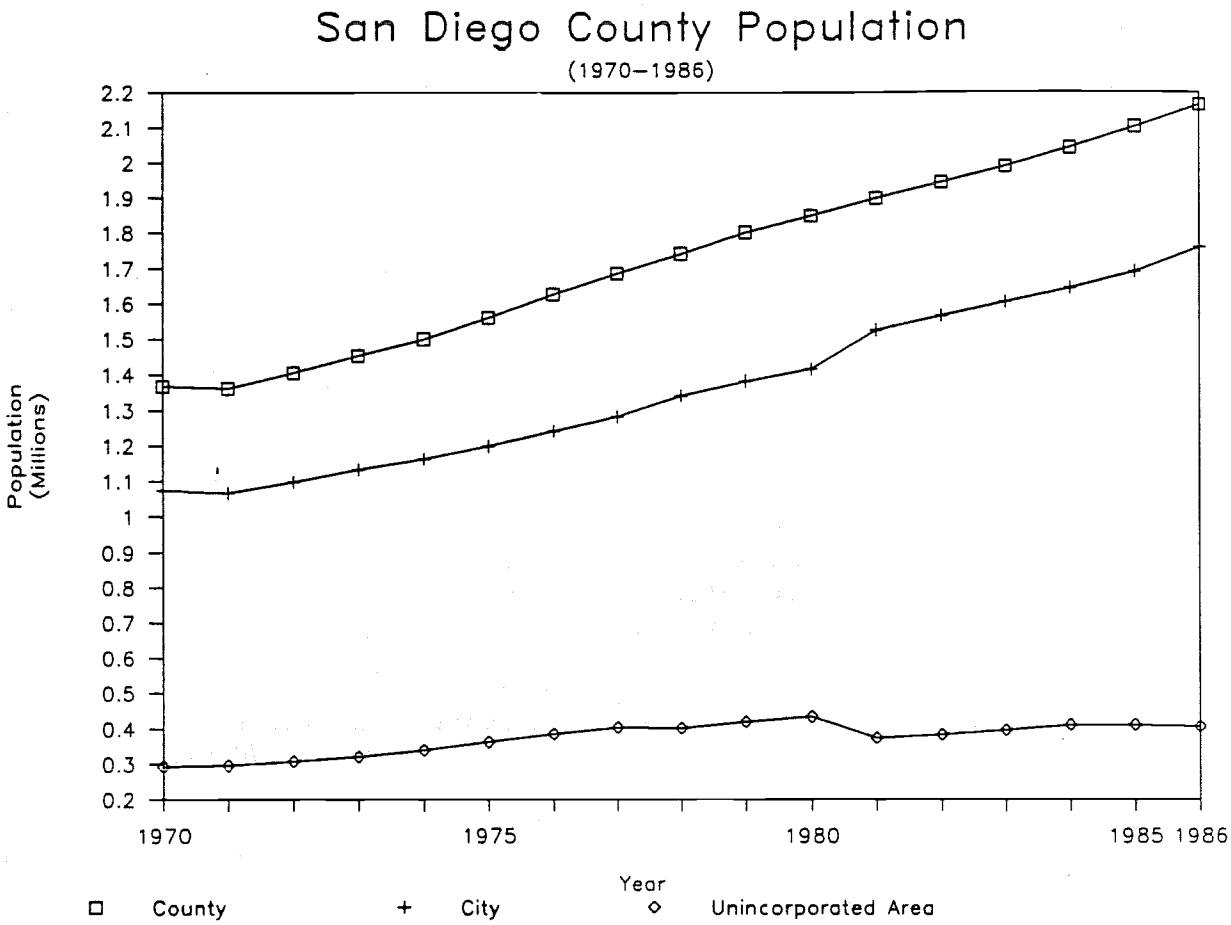
Table 4-2 compares 1970 and 1980 information on selected population characteristics of San Diego County cities. Between 1970 and 1980, San Diego experienced the largest absolute increase in population (178,067 people) and San Marcos experienced the largest percentage increase in population (348.6 percent). One city (Coronado) experienced a decrease in population during the 10-year period.

The proportion of the population in urban areas of the county was 93.6 and 93.2 percent respectively, in 1970 and 1980. Urban population is a designation used by the Bureau of the Census to identify population in incorporated places with 2,500 or more inhabitants, the Bureau of the Census designated urbanized areas, and delineated unincorporated areas. The urban area is essentially the densely settled area in and around cities.

Table 4-3 shows the racial/ethnic composition of the population in San Diego County in 1970 and 1980. The county's population in both years was predominantly white, but the proportion of the population decreased from 92.2 percent white in 1970 to 81.9 percent white in 1980. Blacks accounted for the next largest racial/ethnic group in the county in 1970, 4.6 percent. In 1980, the next largest racial/ethnic group (6.5 percent) was classified as "other". In 1980, 14.8 percent of the population was of Spanish/Hispanic origin.

San Diego County, because of its border with Baja California, absorbs a large number of undocumented aliens. A 1980 study conducted by Community Research Associates estimated the number of undocumented aliens living in San Diego County in the range of 25,000 to 48,000 people. Since the end of the Vietnam conflict, the county has also experienced an increase in immigrants from Southeast Asia (San Diego County Department of Planning and Land Use, 1986).

Figure 4-3



Source: California Department of Finance, State and County Population Estimates to July 1, 1986 (Sacramento: 1987).

California Department of Finance, Population Estimates for California Cities and Counties 1970 through 1980 (Sacramento: 1984).

California Department of Finance, California Statistical Abstract (Sacrmaneto: 1981-1986).

Table 4-2

Summary of Population Characteristics of San Diego County Cities, 1970 and 1980

City/County	Total Population 1970	Total Population 1980	Total Population Absolute Change 1970-1980	% Under 18 Years 1970	% Under 18 Years 1980	% Under 18 Years Absolute Change 1970-1980	% 18 to 64 Years 1970	% 18 to 64 Years 1980	% 18 to 64 Years Absolute Change 1970-1980
Carlsbad	14,944	35,490	20,546	35.0	23.5	(11.5)	55.0	65.0	10.0
Chula Vista	67,901	83,927	16,026	35.4	27.7	(7.7)	57.4	62.1	4.7
Coronado	20,020	16,859	(3,161)	22.6	17.9	(4.7)	71.2	68.3	(2.9)
Del Mar	3,956	5,017	1,061	25.0	14.0	(11.0)	64.6	75.5	10.9
El Cajon	52,273	73,892	21,619	34.3	26.2	(8.1)	56.9	63.1	6.2
Escondido	36,792	64,355	27,563	32.2	26.0	(6.2)	52.2	57.8	5.6
Imperial Beach	20,244	22,689	2,445	38.8	31.6	(7.2)	58.3	64.3	6.0
La Mesa	39,178	50,308	11,130	30.0	18.8	(11.2)	59.4	66.5	7.1
Lemon Grove	NA	20,780	NA	NA	26.4	NA	NA	60.4	NA
National City	43,184	48,772	5,588	29.1	28.4	(0.7)	64.8	63.7	(1.1)
Oceanside	40,494	76,698	36,204	35.1	25.4	(9.7)	54.7	60.9	6.2
Poway	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Diego	697,471	875,538	178,067	30.6	24.1	(6.5)	60.6	66.1	5.5
San Marcos	3,896	17,479	13,583	33.0	28.9	(4.1)	52.6	55.6	3.0
Santee	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vista	24,688	35,834	11,146	33.4	26.3	(7.1)	50.3	57.7	7.4
County	1,357,854	1,861,846	503,992	32.0	25.6	(6.4)	59.3	64.2	4.9

Table 4-2 (Cont.)

Summary of Population Characteristics of San Diego County Cities, 1970 and 1980

City/County	% 65 Years and Over 1970	% 65 Years and Over 1980	% 65 Years and Over Absolute Change 1970-1980	Median Age 1970	Median Age 1980	Median Age Absolute Change 1970-1980	Persons Per Household 1970	Persons Per Household 1980	Persons Per Household Absolute Change 1970-1980
Carlsbad	10.1	11.5	1.4	27.1	32.1	5.00	3.05	2.54	(0.5)
Chula Vista	7.3	10.3	3.0	26.6	30.5	3.90	3.06	2.74	(0.3)
Coronado	6.2	13.9	7.7	23.7	33.6	9.90	2.71	2.23	(0.5)
Del Mar	10.4	10.5	0.1	27.7	32.2	4.50	2.52	2.21	(0.3)
El Cajon	8.8	10.8	2.0	26.8	28.4	1.60	2.99	2.53	(0.5)
Escondido	15.6	16.3	0.7	30.8	30.8	0.00	2.85	2.54	(0.3)
Imperial Beach	2.9	4.1	1.2	22.2	24.0	1.80	3.34	2.88	(0.5)
La Mesa	10.6	14.7	4.1	31.2	32.9	1.70	2.87	2.27	(0.6)
Lemon Grove	NA	13.2	NA	NA	30.8	NA	NA	2.73	NA
National City	6.1	8.0	1.9	23.6	24.2	0.60	3.10	2.95	(0.1)
Oceanside	10.2	13.7	3.5	24.8	28.4	3.60	2.98	2.58	(0.4)
Poway	NA	NA	NA	NA	NA	NA	NA	NA	NA
San Diego	8.8	9.7	0.9	25.8	28.3	2.50	2.80	2.53	(0.3)
San Marcos	14.3	15.6	1.3	32.6	31.3	(1.30)	3.02	2.77	(0.3)
Santee	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vista	16.3	15.9	(0.4)	31.8	29.6	(2.20)	2.95	2.60	(0.4)
County	8.7	10.3	1.6	25.6	28.7	3.10	2.94	2.62	(0.3)

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.

U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, General Population Characteristics, part 6.

U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, Characteristics of the Population, Chapter A, Number of Inhabitants.

NA - Not available.

Note: Negative numbers are expressed in parentheses.

Table 4-3

Racial/Ethnic Composition, San Diego County
1970 and 1980

Racial/Ethnic Group	1970 Number	1970 Percent	1980 Number	1980 Percent
White	1,251,801	92.2	1,525,432	81.9
Black	62,028	4.6	104,407	5.6
American Indian	5,880	0.4	16,187	0.9
Eskimo	(a)	(a)	138	0.0
Aleut	(a)	(a)	127	0.0
Japanese	7,515	0.6	13,110	0.7
Chinese	3,259	0.2	8,618	0.5
Filipino	14,721	1.1	47,106	2.5
Korean	(a)	(a)	2,810	0.2
Asian Indian	(a)	(a)	2,097	0.1
Vietnamese	(a)	(a)	7,564	0.4
Hawaiian	(a)	(a)	2,704	0.1
Guamanian	(a)	(a)	3,650	0.2
Samoan	(a)	(a)	2,699	0.1
Other, Not Elsewhere Classified	12,650	0.9	4,732	0.3
	(a)	(a)	120,465	6.5
Total	1,357,854	100.0	1,861,846	100.0

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.
U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, General Population Characteristics, part 6.

(a) - Not identified as a separate category in 1970.

Note: In San Diego County, 14.8 percent of the population was of Spanish/Hispanic origin in 1980. Persons of Spanish/Hispanic origin are those who identified themselves as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other hispanic origin or descent. They may be of any race, and thus, are included in both black and white population groups. The 1980 data on Spanish/Hispanic origin are not directly comparable to the 1970 data on Spanish/Hispanic origin due to changes in the format and coverage of the 1980 Census.

Table 4-1 includes the most recent population projection (1986) for the county in 5-year intervals to the year 2020. Population growth in the county between 1975 and 2020 is also shown in Figure 4-4. The county's population is projected to be 3,644,700 in 2020. Population growth between 1980 and 2020 represents a 94.5 percent increase from 1980 and a compound annual growth rate of 1.6 percent between 1980 and 2020. The population in California is projected to increase by 66.6 percent during the same time, for a compound growth rate of 1.3 percent per year. Based on these projections, San Diego County will account for 9.2 percent of the state's population and will rank 2nd among the 58 counties in terms of population size in 2020. Based on projections, it will continue to have the 2nd largest population (behind Los Angeles County) of the counties in the Southern California Planning Area.

An increase in population will result in an increase in the population density (i.e., the number of persons per square kilometer). In 1980, population density in the county was estimated at 169.0 persons per square kilometer (453.7 persons per square mile). In 2020, density in the county is projected to increase to 328.7 persons per square kilometer (851.4 persons per square mile).

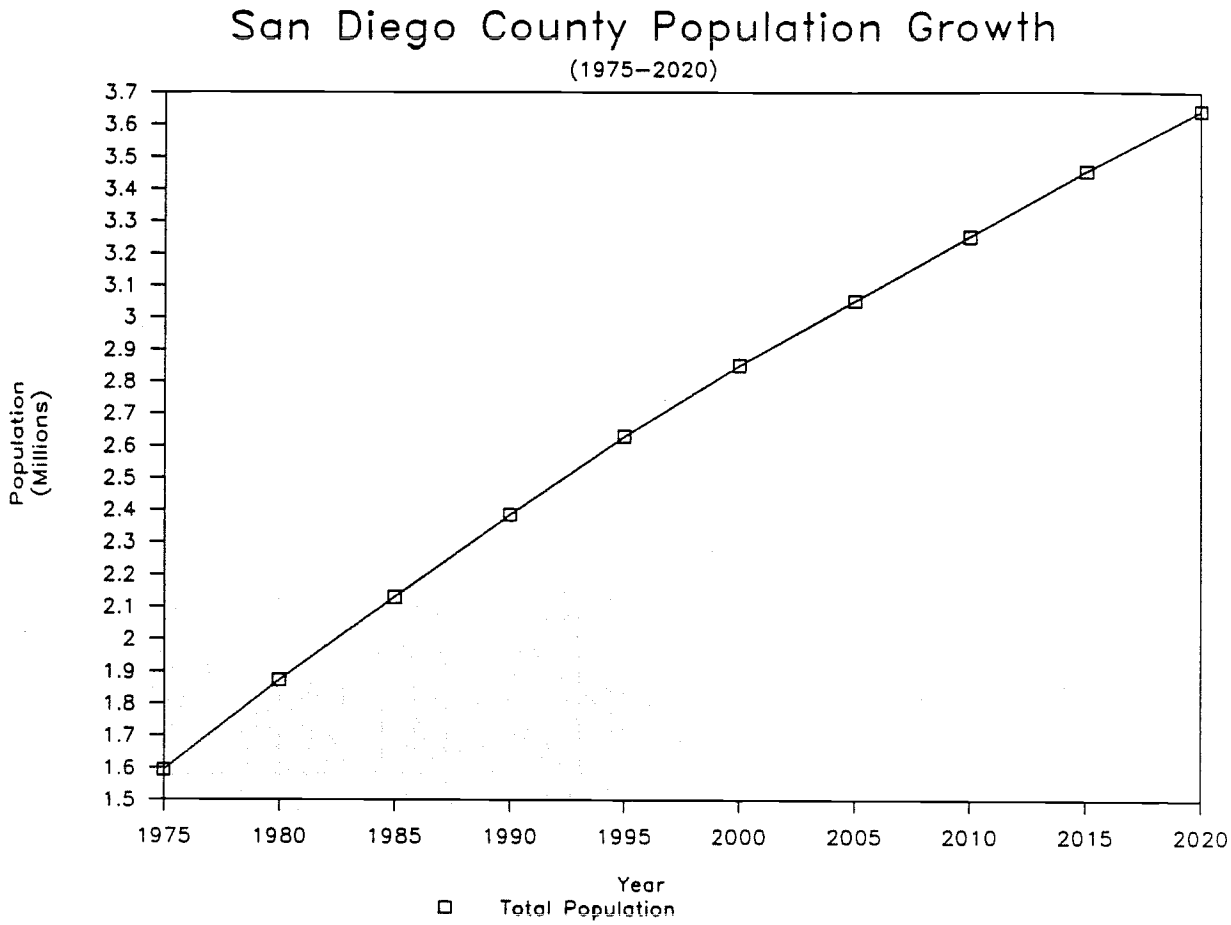
4.3.2 Age

The age structure at 5-year intervals for San Diego County for the period 1970 to 2020 is shown in Figure 4-5. In 1980, 25.5 percent of the population was under age 18 years, while 64.2 percent was 18 to 64 years old and 10.3 percent was 65 years old and over. Within the cities, in 1980 Imperial Beach had the highest proportion of under 18 year olds (31.6 percent), Del Mar had the highest proportion of 18 to 64 year olds (75.5 percent), and Escondido had the highest proportion of over 64 year olds (16.3 percent, see Table 4-2). In 2020, 19.4 percent of the county population is projected to be under 18 years of age, 62.4 percent is projected to be between 18 and 64 years old, and 18.2 percent is projected to be over 64 years old. Estimates of age by grouped years for the period 1970 to 2020 are included in the data supplement (see Table DS 4-3). The percentages for the county discussed above are based on this table. (Note: The population projections shown in Table 4-1 and the population projections associated with the age projections in Table 4-1 and also shown in Table DS 4-3 are from different source documents prepared by the California Department of Finance. The population projections published in 1986 and the age projections published in 1983 represent the most recent available information from the State of California.)

Median age in the county in 1980 was estimated at 28.7 years compared to 25.6 years in 1970 (see Table 4-1). By 2020, however, median age in the county is projected to increase to 39.2 years. Median age in California is projected to increase from 29.9 years in 1980 to 38.1 years in 2020. Among the cities, Coronado had the highest median age in 1980, 33.6 years (see Table 4-2).

During the 1970's, the median age of household heads decreased 5.0 percent, from 44.2 years in 1970 to 42.0 years in 1980. This information is computed from data provided in the decennial censuses.

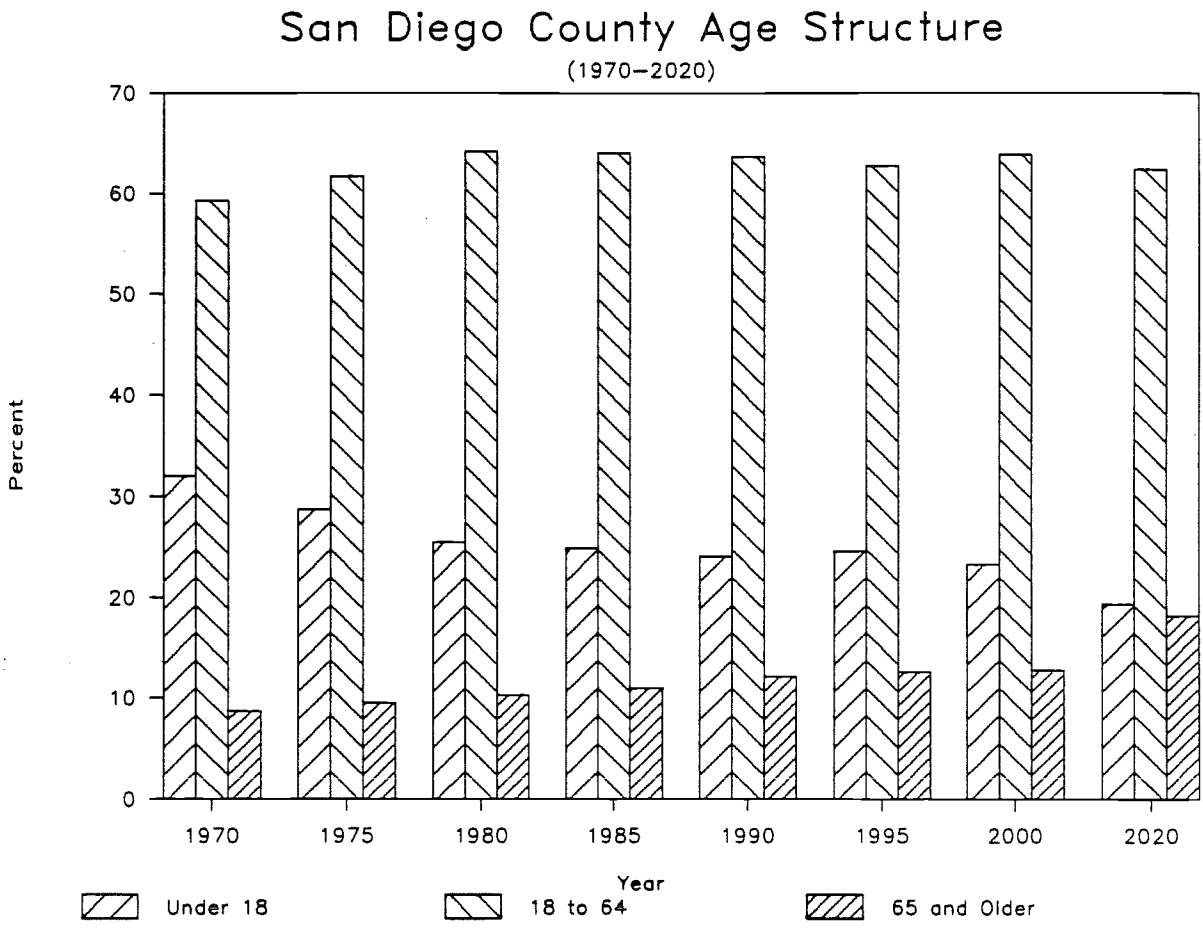
Figure 4-4



Source: California Department of Finance, Projected Total Population of California Counties July 1, 1985 to July 1 2020 (Sacramento: 1986).

California Department of Finance, California Statistical Abstract (Sacramento: 1985).

Figure 4-5



Source: California Department of Finance, Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83 (Sacramento: 1983).

U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population, General Population Characteristics (Washington, D.C.).

4.3.3 Households

San Diego County had an estimated 671,800 households in 1980 (see Table 4-1). The number of households in the county increased 58.6 percent between 1970 and 1980 compared to a 37.1 percent increase in population. Although the number of households increased during the 1970's, the median size (i.e., the number of persons per household) decreased from 2.94 persons in 1970 to 2.63 in 1980. This is consistent with the higher rate of change for households than for population during this period. Smaller households result from such things as fewer children per household, and more single person and single parent households.

Estimates of the number of households and the median household size to the year 2000 are included in Table 4-1. The number of households in San Diego County is projected to increase 60.3 percent (to 1,076,700) between 1980 and 2000 compared to a 52.2 percent increase in population. During this same period, the median household size is projected to decrease 3.0 percent, to 2.55 persons in the year 2000.

4.3.4 Migration

Annual net migration (i.e., the excess of in-migration over out-migration) for the period 1970 to 1986 is shown in Table 4-4. A net in-migration accounted for about 66.5 percent of the county's population growth between 1970 and 1980 and 63.5 percent of the population growth between 1980 and 1986. The remainder of the population growth was the result of natural increase (i.e., the excess of births over deaths).

Further details on in-migration and out-migration are limited to records on changes in driver license addresses. These are used by the California Department of Finance to estimate the population between ages 18 and 64 years. While the records on changes in driver license addresses are useful in describing the general migration trends between California and other states and between California counties, they are subject to misinterpretation. Actual moves could be substantially different from the record processing of the address change for drivers licenses. The information represents driver license movers only, not total population. For these reasons, the information has not been included as part of the profile. The information can be obtained, however, from the Department of Finance.

4.3.5 Education

Information on median school years completed shown in Table 4-1 is only available for 1970 and 1980 and comes from the decennial census. An estimate for 1975 was made using a straight line interpolation. The median school years completed in San Diego County increased from 12.4 years in 1970 to 12.8 years in 1980 (see Table 4-1). This information is for persons age 25 years and older.

Table 4-4

Components of Change in the Population
San Diego County, 1970 to 1986

Year	Population Total	Population Change	Components of Change: Births	Deaths	Natural Increase	Net Migration
1970	1,367,200					
1971	1,382,500	15,300	23,895	10,323	13,572	1,728
1972	1,429,100	46,600	22,025	10,631	11,394	35,206
1973	1,480,800	51,700	21,641	11,056	10,585	4,115
1974	1,521,400	40,600	22,240	11,463	10,777	29,823
1975	1,594,100	72,700	23,467	11,593	11,874	60,826
1976	1,654,300	60,200	24,063	11,357	12,706	47,494
1977	1,711,300	57,000	25,980	11,558	14,422	42,578
1978	1,773,200	61,900	26,976	12,389	14,587	47,313
1979	1,831,300	58,100	28,397	12,718	15,679	42,421
1980	1,874,500	43,200	29,978	12,873	17,105	26,095
Sources use different figures for 1980						
1980	1,874,200					
1981	1,927,500	53,300	31,721	13,955	17,766	35,534
1982	1,975,200	47,700	32,992	13,678	19,314	28,386
1983	2,018,300	43,100	34,537	13,901	20,636	22,464
1984	2,072,600	54,300	34,757	14,432	20,325	33,975
1985	2,130,200	57,600	36,527	15,106	21,421	36,179
1986	2,205,900	75,700	37,292	15,565	21,727	53,973

Source: California Department of Finance, Estimates of Population of California Counties with Components of Change 1970 to 1980, Report CC 70-80-#2 (Sacramento: July 1986).
California Department of Finance, Total, Military and Civilian Population and Crude Rates, Report E-6A (Sacramento: January 21, 1987).

4.4 Economic Profile

4.4.1 Labor Force

There is no consistent historical data series for civilian labor force. The data shown in Table 4-1 are from the decennial census for 1970 and the California Employment Development Department for 1975 and 1980 through 1985. Both of these sources report employment by place of residence, but use different methodologies and represent different time periods, and therefore are not directly comparable. For this reason, the percent change in civilian employment between 1970 and 1975 was not calculated. The data for 1975 and 1980 through 1985 are the average annual figures.

In 1980, the labor force in San Diego County was 775,300, with an employment rate of 93.2 percent, or an unemployment rate of 6.8 percent (see Table 4-1). For the years shown in Table 4-1, employment in the county was at its highest level (907,400) in 1985, the employment rate was highest in 1985 (94.7 percent), and the unemployment rate was highest (10.4 percent) in 1975. The decline in the annual unemployment rate in the county from 1983 through 1985 followed the trend in the state and the nation, although the rate remained lower than the state and the nation during this time (see Figure 4-6).

The employment participation ratio is the employed civilian population age 16 and over as a percent of the civilian noninstitutional population age 16 and over. The 1970 and 1980 employment participation ratios were calculated using data from the decennial censuses. (The 1980 employment data in Table 4-1 are from the California Economic Development Department and not from the decennial census. Thus calculating the employment participation ratio using the data in Table 4-1 will yield a different ratio than the one presented.) The 1975 ratio was estimated as the midpoint between the census years. The employment participation ratio increased from 47.2 percent in 1970 to 56.1 percent in 1980. The 1980 employment participation ratio was lower in the county than in the state (61.0 percent) and the nation (63.8 percent) during the same year.

Information on employment by occupation in San Diego County is presented for 1970 and 1980 in Table 4-5 and Figures 4-7 and 4-8. Of the 756,400 employed persons in the county in 1980, 32.8 percent were in technical, sales and administrative occupations, 26.0 percent were classified as managers and professionals, 14.0 percent were in service occupations, 12.8 percent were involved in precision production, craft or repair operations, 11.6 percent were operators, fabricators and laborers, and 2.7 percent were classified as farming, forestry, and fishing occupations. The total number of employed persons in the county reported in Table 4-5 differs from the total number of employed persons presented in Table 4-1. These data come from different tables in the Census of Population.

Employment by occupation classifications was only collected for the decennial census years of 1970 and 1980. The 1970 and 1980 data are presented using different occupational classifications and are not comparable. During this period significant revisions were made by the

Figure 4-6

Source: California Employment Development Department, Annual Planning Information 1986-1987 (Sacramento: 1986).

U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States (Washington, D.C.: 1987).

Table 4-5

Employment by Occupation in San Diego County: 1970 and 1980

1970

Occupation	Number	Percent
Total Employed, 16 Years Old and Older	430,495	100.0
Professional, Technical, Kindred Workers	80,365	18.7
Engineers	11,030	2.6
Physicians, Dentists, Related Practitioners	3,693	0.9
Health Workers, Except Practitioners	7,774	1.8
Teachers, Elementary and Secondary Schools	15,579	3.6
Technicians, Except Health	7,817	1.8
Other Professional Workers	34,472	8.0
Managers and Administrators, Except Farm	39,851	9.3
Salaried: Manufacturing	4,326	1.0
Salaried: Retail Trade	7,542	1.8
Salaried: Other Industries	19,817	4.6
Self-employed: Retail Trade	3,825	0.9
Self-employed: Other Industries	4,341	1.0
Sales Workers	37,945	8.8
Retail Trade	21,023	4.9
Other Than Retail Trade	16,922	3.9
Clerical and Kindred Workers	82,051	19.1
Craftsmen, Foremen, Kindred Workers	58,370	13.6
Automobile Mechanics, Body Repairmen	5,345	1.2
Mechanics and Repairmen, Except Automobile	10,088	2.3
Metal Craftsmen, Except Mechanics	6,091	1.4
Construction Craftsmen	17,114	4.0
Other Craftsmen	19,732	4.6
Operatives, Except Transport	35,261	8.2
Durable Goods Manufacturing	15,873	3.7
Nondurable Goods Manufacturing	4,800	1.1

1980

Occupation	Number	Percent
Employed Persons 16 Years and Older	756,400	100.0
Managerial and Professional Specialty Occupations	196,667	26.0
Executive, Administrative, Managerial	90,049	11.9
Officials and Administrators, Public Administration	1,985	0.3
Management Related Occupations	23,170	3.1
Professional Specialty Occupations	106,618	14.1
Engineers and Natural Scientists	24,121	3.2
Engineers	15,544	2.1
Health Diagnosing Occupations	6,422	0.8
Health Assessment and Treating Occupations	13,124	1.7
Teachers, Librarians, Counselors	35,960	4.8
Teachers, Elementary and Secondary Schools	23,431	3.1
Technical, Sales, Administrative Support Occupations	247,863	32.8
Health Technologists and Technicians	7,326	1.0
Technologists and Technicians, Except Health	22,253	2.9
Sales Occupations	90,041	11.9
Supervisors and Proprietors	12,815	1.7
Sales Representatives, Commodities and Finance	30,394	4.0
Other Sales Occupations	46,832	6.2
Cashiers	15,241	2.0
Administrative Support, Including Clerical	128,243	17.0
Computer Equipment Operators	3,041	0.4
Secretaries, Stenographers, Typists	31,209	4.1
Financial Records Processing Occupations	16,655	2.2
Mail and Message Distributing Occupations	5,356	0.7
Service Occupations	106,046	14.0
Private Household Occupations	4,636	0.6
Protective Service Occupations	11,835	1.6
Police and Firefighters	4,961	0.7
Service Occupations, Except Protective and Household	89,575	11.8

Table 4-5 (Cont.)

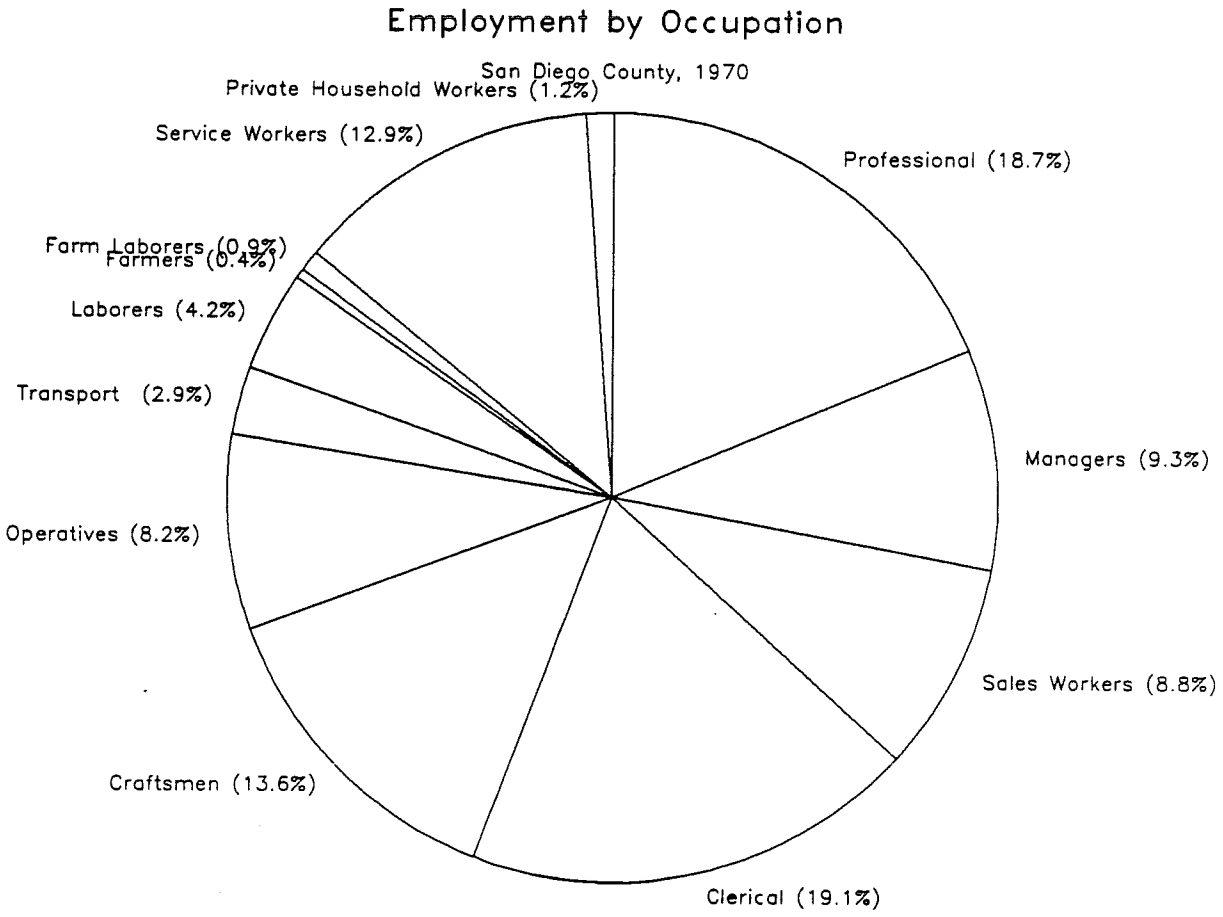
Employment by Occupation in San Diego County: 1970 and 1980

1970 Occupation	Number	Percent
Nonmanufacturing Industries	14,588	3.4
Transport Equipment Operatives	12,391	2.9
Laborers, Except Farm	17,988	4.2
Construction Laborers	3,591	0.8
Freight, Stock, Material Handlers	5,646	1.3
Other Laborers, Except Farm	8,751	2.0
Farmers and Farm Managers	1,931	0.4
Farm Laborers and Farm Foremen	3,676	0.9
Service Workers, Except Private Household	55,354	12.9
Cleaning Service Workers	10,530	2.4
Food Service Workers	20,394	4.7
Health Service Workers	6,404	1.5
Personal Service Workers	8,616	2.0
Protective Service Workers	5,567	1.3
Private Household Workers	5,312	1.2

1980 Occupation	Number	Percent
Food Service Occupations	39,470	5.2
Cleaning and Building Service Occupations	19,611	2.6
Farming, Forestry, Fishing Occupations	20,678	2.7
Farm Operators and Managers	2,494	0.3
Farm Workers and Related Occupations	16,595	2.2
Precision Production, Craft, Repair Occupations	97,054	12.8
Mechanics and Repairers	27,246	3.6
Construction Trades	38,535	5.1
Precision Production Occupations	31,088	4.1
Operators, Fabricators, Laborers	88,092	11.6
Machine Operators and Tenders, Except Precision	21,874	2.9
Fabricators, Assemblers, Inspectors, Samplers	19,031	2.5
Transportation Occupations	17,516	2.3
Motor Vehicle Operators	16,992	2.2
Material Moving Equipment Operators	4,483	0.6
Handlers, Equipment Cleaners, Helpers, Laborers	25,188	3.3
Construction Laborers	5,278	0.7
Freight, Stock, Material Handlers	7,553	1.0

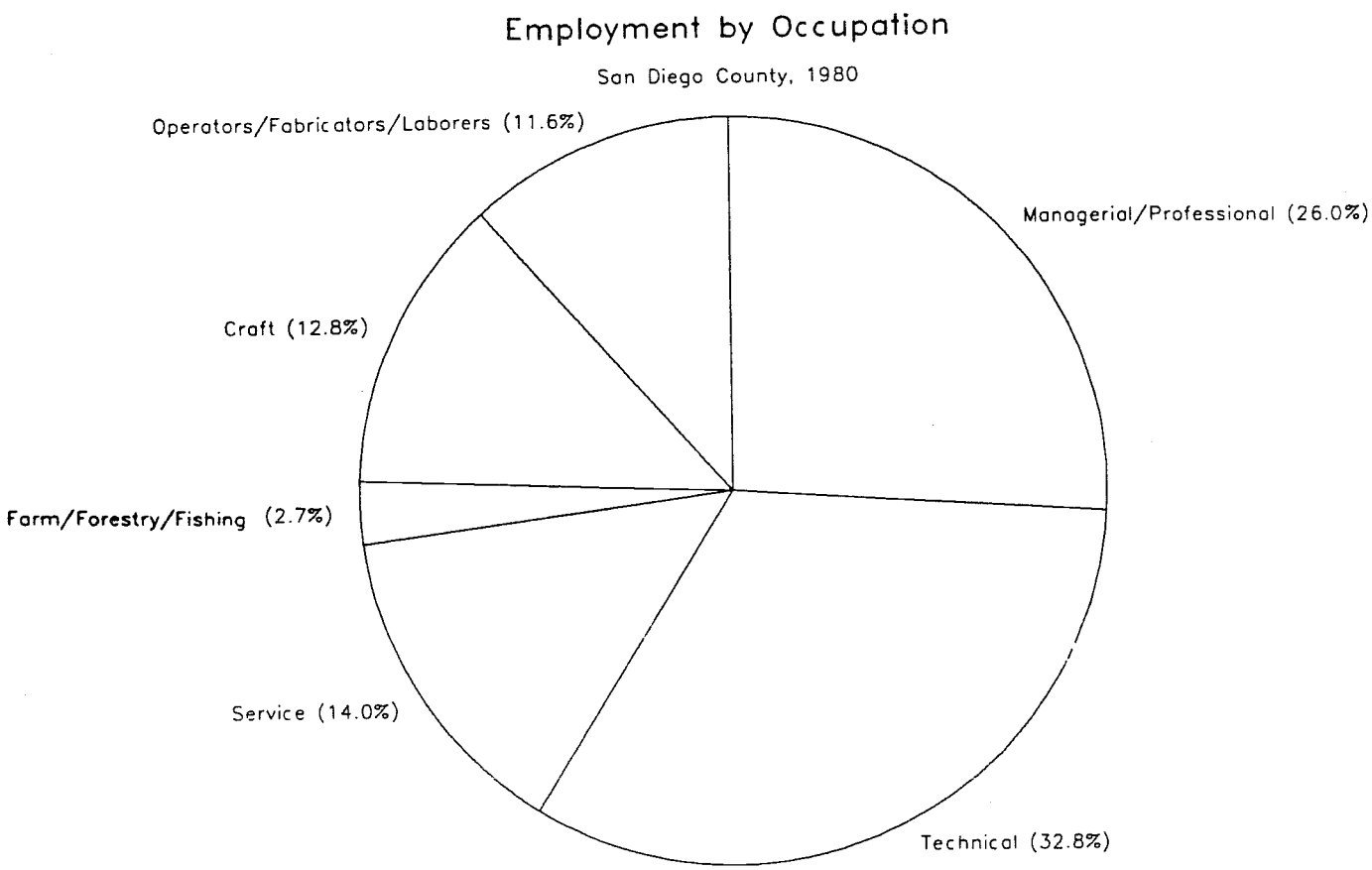
Source: U.S. Deparment of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, Characteristics of the Population, part 6.
U.S. Deparment of Commerce, Bureau of the Census, Census of Population: 1980, vol. 1, Characteristics of the Population, part 6.

Figure 4-7



Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol 1, General Population Charactersitics, part 6.

Figure 4-8



Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, vol 1, General Population Charactersitics, part 6.

Bureau of the Census in the occupational classifications used. Occupation descriptions for both years are included in the Table 4-5.

Projections of employment by occupation for 1990 are presented in Table DS 4-4. These projections, as well as the 1980 employment by occupation shown in Table DS 4-4, were prepared by the California Economic Development Department. The 1970 and 1980 employment by occupation shown in Table 4-5 is from the decennial censuses prepared by the Bureau of the Census. Because the information presented in the two tables comes from different sources, the data are not comparable. The anticipated growth rate between 1980 and 1990 for all occupations taken together is 26.1 percent.

4.4.2 Income

Total personal income is presented in Table 4-1 for 1970, 1975, and 1980 through 1984. Total personal income includes all income received by residents of the county and consists of wages and salaries, other labor income, government transfer payments, dividends, interest and rent, and proprietor's income. These data are specifically adjusted to reflect wages and salaries by place of residence rather than place of employment.

Total personal income in 1980 was $25,139.1 million or $13,416 per capita. (The GNP Implicit Price Deflator was used to inflate all dollar figures in this report, including all tables, to 1986 dollars.) This was 87.0 percent of per capita income in California and 101.7 percent of the national per capita income in 1980. Total personal income in the county increased 17.3 percent to $29,476.6 million in 1984, with a concomitant increase in per capita income to $14,222 (or 6.0 percent more than in 1980).

In 1980, total earnings (consisting of wages and salaries, other labor income, and proprietor's income) by place of residence was $16,302.3 million in San Diego County (see Table DS 4-5). This amounted to 64.8 percent of total personal income in the county, compared to a ratio of 69.5 percent for the state and 69.8 percent for the nation. Thus, components of personal income other than earnings (such as government transfer payments) are relatively more important in this county than in the state or nation.

In 1980, median household income was $16,866 in San Diego County. This is less than that of the state (92.2 percent of state median income). Median household income was $18,018 in 1984. This was 6.8 percent more than 1980. For the 1980 to 1984 period, median household income in the state grew by 0.02 percent. Median household income for the years 1975, and 1980 through 1984 are presented in Table 4-1.

4.4.3 Industry Characteristics

The industry characteristics of the county are assessed by Standard Industrial Classification (SIC) in terms of (1) total income and earnings, (2) payroll by industry, (3) value of product, capital expenditure, and value added by manufacturer, (4) employment by industry, and (5) number of establishments by industry. Except for earnings,

farming activity is not included in this analysis. However, some farming data are presented separately. All data relating to industry characteristics are presented in the data supplement (Tables DS 4-5, DS 4-6, DS 4-7, DS 4-8, DS 4-9, and DS 4-10). These data are all organized by two digit SIC code. Industry characteristics are provided by three digit SIC for the following oil and gas related economic sectors: SIC 138 (oil and gas field services) and SIC 295 (paving and roofing materials). Because these data are presented by SIC, they are extremely lengthy and have, therefore, been placed in the data supplement.

The industry characteristics are designed to provide an overview of the public and private activities which make up the economy of San Diego County. All of these data reflect local economic activity by place of work or location of establishment.

Total earnings (which includes wages and salaries, other labor income, and proprietor's income) in the county by place of employment was $17,330.6 million in 1980. The residence adjustment to earnings by place of work used to derive earnings by place of residence is negative, indicating a net outflow of earnings due to workers commuting from outside the county to their place of work.

In 1980, farm earnings comprised 1.3 percent of total earnings in the county and in 1984 it was 1.2 percent of total earnings. In 1980, the largest economic sector in terms of generating earnings in the county is government which contributed $5,293.5 million in earnings (or 30.5 percent of total earnings) to the county's economy. Other major sectors in terms of generating earnings in 1980 were service industries ($3,220.1 million, or 18.6 percent), manufacturing ($2,921.9 million, or 16.9 percent), and the retail trade sector ($1,761.6 million, or 10.2 percent). No other business sector provided more than 8 percent of total local earnings in 1980. In 1984, the government sector generated the most earnings (28.7 percent of the county total), followed by service industries (20.8 percent) and manufacturing (17.0 percent). By 2015, it is projected that service industries will contribute the most earnings in the county (22.9 percent), followed by government (20.9 percent) and manufacturing (20.0 percent). Total earnings by industry data are presented in Table DS 4-5 for 1970, 1975, and 1980 through 1984, with projections to 2015.

Payroll in the county by two digit SIC code is presented for the years 1970, 1975, and 1980 through 1984 in Table DS 4-6. Payroll data are from the Bureau of the Census' <u>County Business Patterns</u> while earnings and income data are from the Bureau of Economic Analysis. Thus the information in Tables DS 4-5 and DS 4-6 is not directly comparable. Also, no information is shown for the government and railroad sectors since no consistent source is available. In 1980, the total payroll income in the county for the industrial sectors shown was $9,383.1 million. The major generator of payroll income was the manufacturing sector ($2,476.8 million, or 26.4 percent). Other sectors with proportionately large payrolls in San Diego County were service industries ($2,353.9 million, or 25.1 percent), retail trade ($1,471.3 million, or 15.7 percent), construction ($796.5 million, or 8.5 percent),

and finance, insurance, and real estate ($795.5 million, or 8.5 percent). No other sector provided more than 8 percent of payroll in the county. In 1984, service industries was the largest contributor to payroll (27.4 percent of the county), followed by manufacturing (25.8 percent) and retail trade (14.5 percent). For the industries shown, total annual payroll for the county increased throughout the period 1980 to 1984, rising to $11,350.6 million in 1984, which was 21.0 percent more than in 1980.

Data for the value of products, capital expenditures and value added are only available from the individual business censuses. These data exclude government and businesses involved in the transportation and public utilities, farming, and finance sectors of the economy. Farming is the only one of these three omitted sectors for which the foregoing data can be obtained from an alternative source. A summary table of these measures for farming activity is presented in Table DS 4-10 and is discussed separately below. The data for all other sectors can be found in Table DS 4-7. The appearance of an "NA" in this table signifies that the level of activity in that sector of the county's economy fell below the cut off established by the Bureau of the Census for reporting information. Data for 1980 are not available. Consequently, the 1980 data shown in Table DS 4-7 are estimated by interpolation from the 1977 and 1982 economic censuses.

For the industrial sectors shown, the retail trade sector had the highest value of product (i.e., sales) in the county in 1980 which totaled $10,204.2 million (see Table DS 4-7). Capital expenditures by the retail trade sector in 1980 totaled $204.5 million. In 1982, retail trade sales were $10,660.1 million, with capital expenditures of $223.9 million.

The manufacturing sector also demonstrated substantial economic activity, with a 1980 value of product of $8,198.3 million and capital expenditures of $358.1 million. In 1982, manufacturing sales amounted to $9,413.8 million, and capital expenditures were $514.1 million.

The wholesale trade sector experienced sales of $7,423.9 million in 1980. Its capital expenditures totaled $85.8 million. By 1982, wholesale trade sales totaled $8,367.8 million and capital expenditures were $100.4 million.

The service sector added $3,691.1 million in sales to the county's economy in 1980. Its capital expenditures totaled $270.5 million. By 1982, service industries sales reached $4,998.1 million, with capital expenditures of $359.9 million.

Contract construction had a value of product of $1,988.0 million in 1980, with capital expenditures of $55.3 million. In 1982, construction sales totaled $1,577.8 million, and capital expenditures were $35.2 million.

Mining industries had sales of $55.4 million in 1980, with capital expenditures of $8.1 million. By 1982, sales by mining industries in the county totaled $63.3 million, with capital expenditures of $11.8 million.

Total employment by industry (excluding farms and timber harvesting) is presented in Table DS 4-8 by two digit SIC code for the years 1970, 1975, and 1980 through 1984. These data were derived primarily from the Bureau of the Census' County Business Patterns and supplemented, when necessary, by several additional sources. These data differ from total employment figures collected in the 1980 Census of Population. Employment by industry is organized by place of work in County Business Patterns while the 1980 Census is compiled by place of residence. The number of employees by SIC group should be used primarily for establishing the relative significance of various business sectors in the county and not for determining aggregate employment of county residents. While total county employment reflects the number of jobs in the county's economy, employment by SIC code are not available for some segments as this could cause disclosure of the operations of individual establishments. Therefore, the most meaningful comparisons are made at the one digit SIC level.

Excluding farms and timber harvesting, a total of 674,227 employees are shown in San Diego County for 1980. The major sectors providing employment in 1980 were service industries with a total of 149,387 employees (22.2 percent), government with 141,200 employees (20.9 percent), retail trade with 127,681 employees (18.9 percent), and manufacturing with 107,293 employees (15.9 percent). No other sector provided more than 7 percent of total employment. In 1984, 747,540 employees are shown, or an increase of 10.9 percent over 1980. Service industries was the largest employer in 1984 (24.1 percent of the county total), followed by retail trade (19.1 percent) and government (19.0 percent).

In 1980, there were a total of 36,498 private business establishments (excluding farms) in San Diego County. Of these, 11,629 (31.9 percent) were service industry establishments, 9,171 (25.1 percent) retail trade establishments, 4,494 (12.3 percent) finance, insurance, and real estate establishments, and 3,373 (9.2 percent) construction establishments. No other sector provided more than 7 percent of establishments in the county. Data on the number of establishments are presented for San Diego County for the years 1970, 1975, and 1980 through 1984 in Table DS 4-9.

Mining represented only a small portion of the economic activity in the county. In 1980, employment in the mining sector was 658 and in 1984 equalled 808 (or 0.1 percent of county employment in both years). There were 38 mining establishments in the county in 1980, representing 0.1 percent of total county establishments. In 1984, the number of mining establishments rose to 66 (still 0.1 percent of the county total). Payroll generated by mining industries equalled $22.5 million in 1980 and $23.2 million in 1984 (0.2 percent of county payroll in both years).

The previous industry profiles excluded agricultural statistics relating to individual farms. These enterprises represent an important level of activity and are presented in the data supplement. Agricultural statistics are presented in Table DS 4-10 for 1978, 1980, and 1982 and consist of the number of farms, hired farm workers, and farm payroll. Value of product information is included for these years as well as 1984 and 1985. Data for 1978 and 1982 are from agricultural censuses. Data

for 1980, however, are unavailable and have been estimated by averaging the 1978 and 1982 data for each indicator shown in Table DS 4-10.

In 1980, there were an estimated 5,633 farms in the county. These farms employed 26,297 (seasonal, part-time, and full-time) hired farm workers, generating a payroll of $93.1 million. In 1980, the sales of these farms totaled $441.7 million. Farm sales of $130.9 million were classified as horticulture specialties, and $96.2 million in fruit and tree nuts. Primary commodities are itemized in the data supplement for crops with at least $10 million in sales for 1984 or 1985. These data are taken from the County Crop Report. The major commodity in San Diego County is indoor decoratives, with 1984 sales of $70.1 million in 1986 dollars. Other major crops include eggs (with 1984 sales of $68.5 million), avocados ($63.0 million), and tomatoes ($39.9 million).

4.5 Housing Profile

In 1980, there were an estimated 720,346 housing units in San Diego County (see Table 4-1). This represents a 60.1 percent increase from the 1970 level (449,989 units). The composition of the housing stock in 1980 was as follows: 60.9 percent single family units, 33.8 percent multi-family units, and 5.2 percent mobile homes. The vacancy rate in 1980 was 7.0 percent (see Table DS 4-11). It should be noted that the number of vacant units may include some units held for occasional use. Characteristics of the San Diego County housing stock from 1975 to 1986 are included in Table DS 4-11 of the data supplement. The proportion of owner occupied units declined from 56.5 percent in 1970 to 55.1 percent in 1980 (see Table 4-1).

The number of seasonal housing units in the county increased from 251 to 2,440 (872.1 percent) between 1970 and 1980 (the only years for which these data are available). The large increase in seasonal units may be partially due to a change in the Bureau of the Census definition of seasonal units rather than such a large increase in the number of units involved. Seasonal units are intended for use only during certain times of the year and include units intended for recreational use such as beach houses and hunting cabins. In 1980, units offered to vacationers in the summer or winter in connection with seasonal sports were included in the definition. These units were not included in the 1970 definition of seasonal housing.

Temporary accommodations include campsites and hotel/motel rooms. According to an inventory of camping facilities in California prepared by the Automobile Club of Southern California, in 1986 there were about 5,175 campsites in 59 campgrounds in the county. The campgrounds are operated by the Bureau of Land Management, the National Forest Service, the state, the county, a city or special district, and by private groups. Over 79.0 percent (47) of the facilities which includes over 94.0 percent of the campsites are open on a year-round basis. The inventory of facilities in the county is included in Table DS 4-12 of the data supplement. The number of hotel/motel rooms in the county in 1985 was estimated at about 23,120. This is based on a study of hotel/motel facilities prepared by the accounting firm Pannell Kerr Forster for the California Office of Tourism.

4.6 Public Services and Facilities Profile

4.6.1 Police Protection

Police protection in San Diego County is provided by the county Sheriff's Department in the cities of Del Mar, Imperial Beach, Lemon Grove, Poway, San Marcus, Santee, and Vista and the unincorporated area, and by city police departments in the county's remaining cities. Beginning in July 1987, the county Sheriff's Department will provide police protection service under contract to the recently incorporated cities of Encinitas and Solano Beach. Prior to their incorporation, these areas received police protection service from the county Sheriff's Department because they were part of the unincorporated area of the county. A list of departments providing police protection in San Diego County is presented in Table DS 4-13. The number of sworn officers serving the cities and the unincorporated area of the county in 1985 is shown in Table 4-6. The number of sworn officers per 1,000 residents in the county in 1985 was 1.54, compared to 2.29 sworn officers per 1,000 residents for the state. This is based on the Department of Finance estimates of the population as of January 1, 1985.

4.6.2 Fire Protection

Fire protection in San Diego County is provided by 62 fire districts and departments, volunteer fire organizations and other community service districts. A list of fire departments and fire districts providing protection to San Diego County is presented in Table DS 4-13. The number of fire fighters in San Diego County in 1984 is shown in Table 4-7. The number of fire fighters per 1,000 residents was 1.01. Similar information on fire fighters per 1,000 residents for the state is not available.

San Diego County participates in an integrated and cooperative fire protection program run by the California Department of Forestry. The department provides fire protection services in state responsibility areas. These areas are described as private or state owned wildlands (i.e., grasslands, forest, or brush). Cities, agriculture, desert, and federal land are not included in this category. The number of fire fighters participating in this program in San Diego County in 1987 is shown in Table 4-8.

4.6.3 Water Supply

Imported water and local groundwater are the sources of water in San Diego County. Imported water is used primarily in the western portion of the county. About 96.0 percent of the county's population in about 28.0 percent of the county's land area is served by imported water. About 50,000 acre-feet (af) of local groundwater are used to supplement the imported water. An acre-foot is the volume of water needed to cover 1 acre to the depth of 1 foot. There are no active plans for introducing imported water to the eastern portion of the county, although total groundwater resources in this area are less than previously estimated (San Diego County Department of Planning and Land Use, 1983).

Table 4-6

Sworn Police Officers and Sheriff's Deputies
San Diego County, 1985

City/Area	Population	Number of Sworn Officers: Police or Public Safety	Number of Sworn Officers: County Sheriff	Number of Sworn Officers: Per 1,000 Residents
Carlsbad	44,950	62		1.38
Chula Vista	91,200	115		1.26
Coronado	19,950	36		1.80
Del Mar	5,175		5 (a)	0.97
El Cajon	81,500	110		1.35
Escondido	76,300	84		1.10
Imperial Beach	24,600		15 (a)	0.61
La Mesa	52,600	53		1.01
Lemon Grove	21,900		15 (a)	0.68
National City	51,900	70		1.35
Oceanside	92,600	121		1.31
Poway	36,450		30 (a)	0.82
San Diego	979,800	1,533		1.56
San Marcos	20,050		15 (a)	0.75
Santee	47,950		35 (a)	0.73
Vista	44,450		35 (a)	0.79
Unincorporated	411,125		900	2.19
Total	2,102,500	2,184	1,050 (b)	1.54

Source: Commission on Peace Officer Standards and Training, Employment Data for California Law Enforcement (Sacramento: 1986). Personal communication with the San Diego County Sheriff's Department, 1987.

(a) - The cities of Del Mar, Imperial Beach, Lemon Grove, Poway, San Marcos, Santee and Vista contract with the San Diego County Sheriff's Department for police services.

(b) - The cities of Encinitas and Solano Beach, incorporated in 1986, will begin a contract with the San Diego County Sheriff's Department as of July 1, 1987 for 18 full-time sheriff's deputies. Prior to incorporation, these areas received police protection from the County Sheriff's Department as part of the unincorporated area.

Table 4-7

Fire Fighters, San Diego County, 1984

Rank	Paid	Part-Paid	Volunteer(a)	Auxiliary(b)	Total	Per 1,000 Residents
Fire Chief	29	1	8	0	38	0.02
Chief Fire Officers	124	4	10	0	138	0.07
Fire Officers (Captains-Lieutenants)	409	10	30	0	449	0.21
Fire Apparatus Engineers	428	0	23	0	451	0.21
Fire Fighters	786	107	98	0	991	0.47
Total	1,776	122	169	0	2,067	1.01 (c)

Source: State of California, Office of Emergency Services, Fire and Rescue Division, Operational Area Inventory (Sacramento: 1986).

(a) - Volunteer fire fighters respond only to fires.

(b) - Auxiliary fire fighters respond only to disasters.

(c) - Based on Department of Finance estimate of county population (2,041,400) as of January 1, 1984.

Table 4-8

State Responsibility Area (a), Integrated and Cooperative Fire Protection Program, California Department of Forestry, San Diego County, 1987

Position	Rank					
	Ranger IV (b)	Ranger II (c)	Ranger I (d)	FC (e)	FAE (f)	FF (g)
Command and Support	1	2	7	0	0	0
Fire Prevention	0	0	1	0	0	0
Detection	1 lookout	0	0	0	0	0
Dispatch	0	0	1	3	0	0
Ground Attack	26 engines 3 bulldozers	0	0	26	26	26
Air Attack	2 air tankers 1 air attack plane	0	0	0	0	0

Local Responsibility Area (i), Integrated and Cooperative Fire Protection Program, California Department of Forestry, San Diego County, 1987

Position	Rank					
	Ranger IV (b)	Ranger II (c)	Ranger I (d)	FC (e)	FAE (f)	FF (g)
Command and Support			1			
Fire Prevention						
Detection						
Dispatch						
Ground Attack	1 state engine in the Yuima Water District 1 state and 1 local engine in the Valley Center FPD 5 local engines in the Grossmont-Mt. Helix FPD					
Air Attack						

Source: Personal communication with the California Department of Forestry, 1987.

(a) - State responsibility area includes private and state owned wildlands.

(b) - Ranger IV = Fire Chief.

(c) - Ranger II = Division Chief (Operations Officer; Administrative Officer).

(d) - Ranger I = Field Battalion Chief.

(e) - FC = Fire Captain.

(f) - FAE = Fire Apparatus Engineer (Driver/Operator).

(g) - FF = Firefighter (seasonal).

The San Diego Water Authority, a member of the Metropolitan Water District of Southern California (MWD), imports 350,000 af of water annually from the Colorado River Project (San Diego County Department of Planning and Land Use, 1983). The counties of Los Angeles and Orange also import water through MWD. The project begins at Lake Havasu on the Colorado River and ends at its terminal reservoir, Lake Mathews in Riverside County. From there, water enters MWD's distribution system and is delivered throughout much of the coastal plain. MWD's entitlement to water from the river was reduced under the 1963 U.S. Supreme Court decision in Arizona v. California, and subsequent legal claims from Indian tribes along the Colorado River. When the Central Arizona Project (a major water system to serve the Phoenix-Tucson area) becomes fully operational (expected by 1990), MWD will lose more than 50 percent of its current entitlement. This entitlement will change from 1.2 million af per year to 550,000 af per year. Four California authorities hold claims to Colorado River water -- MWD and three irrigation districts -- but because of the system of priorities developed by the state Department of Water Resources, MWD took the full reduction in California's entitlement. However, because of surplus flows on the river, MWD has been able to take 1.2 million af of water annually since 1963, and foresees the same amount in both 1987 and 1988 (Bob Gomperz, Metropolitan Water District of Southern California, personal communication, 1987).

Water authorities in seven states have entitlement to Colorado River water. Rights to the water are oversubscribed based on historical water flow. Not all projects, however, are currently fully on-line. MWD expects to continue taking their current level of water indefinitely unless lower than normal volumes of water occur on the river for several consecutive years. Should this dry period happen, MWD foresees several possible options:

- Increased dependence on State Water Project facilities. The State Water Project authorized the development and diversion of water from the Feather River complex (Lake Oronville in northern California) through a Sacramento-San Joaquin Delta facility and southern delivery aqueduct. Designed to be completed in stages, the project is currently capable of delivering only about half of planned capacity. (The completion date of this project is uncertain due to construction and funding delays.)

- Negotiations with the three California irrigation agencies with entitlement to Colorado River water. One suggestion is to finance conservation efforts in their aging aqueduct system in return for use of any "saved" water.

- Compensation of farmers for not planting crops in dry years in return for the use of water no longer needed for irrigation.

- Petition the Secretary of the Interior for excess extraction of water from the river (Bob Gomperz, Metropolitan Water District of Southern California, personal communication, 1987).

Eight reservoirs collect and store local water in San Diego County. Their maximum storage capacity is 365,345 af. Four additional reservoirs store both local and imported water. Demand for imported water in the county is projected to increase from 350,000 af in 1985 to 420,000 af by the year 2000.

The water usage profile for the county focuses on the "large" water systems with the relative role of "small" and "other" water systems noted in the text. Limiting the analysis to large water systems is appropriate for use in socioeconomic impact planning since it is primarily these systems which directly constrain or are affected by induced development.

There are 29 large water systems in San Diego County. Table 4-9 is a list of the local large water systems serving the county which shows the geographic area and population served, ownership of the system, sources of water, and number of service connections. A water system is classified as "large" if it has 200 or more service connections. These systems are regulated by the California Department of Health Services. In 1986, almost all of the population, including residents of all the cities in San Diego County, were served by local large water systems. (This is based on the July 1986 population estimate shown in Table 4-1 and the estimate of the population served by the large water systems in the county at the end of 1986 shown in Table 4-9. The population figure listed in Table 4-9 is different than that given in Table 4-1. This is due to different sources of information, different methods of estimation, or double counting of residents and transients.)

In addition to the large water systems which serve settled areas, there are state and federally-operated large water systems which serve state and federal parks and campgrounds. A list of these is provided in the data supplement (see Table DS 4-14). There are also three military water systems headquartered in San Diego County (Table DS 4-15).

Small water systems are those which have between 5 and 199 service connections. These systems are regulated by the county Department of Environmental Health. Other water systems are those which have fewer than five service connections, and non-community water systems are those which serve primarily transients. These systems are not regulated by either the state or county health departments. In San Diego County, a small percent of the population is served by the small and other water systems. These systems, of which there are approximately 172, are located in the rural portions of the county and obtain water from groundwater sources (wells and springs) (John Ma, San Diego County Department of Environmental Health, personal communication, 1987).

4.6.4 Sewage Treatment

Sewage treatment facilities in operation in San Diego County in 1984 and 1986 and planned for the year 2000 are shown in Table 4-10. Current flow through, design capacity, and planned capacity for the year 2000 are also shown in this table. Flow through refers to the amount of sewage which is processed by the facility and is measured in million gallons per day (MGD). It should be noted that excess sewage treatment capacity in one area is usually not available for use by other areas. The inventory of

Table 4-9

Local Large Water Systems, San Diego County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Number of Service Connections
Borrego Springs Water Company	Borrego Springs	Private	Wells	2,712	911
Borrego WD	Rams Hill	District	Wells	250	120
California-American Water Co	Coronado-Imperial Beach	Private	Purchased	85,088	18,302
Costa Real MWD	Carlsbad	District	Purchased	40,000	14,000
Del Mar City	Del Mar City	Municipal	Purchased	5,176	1,611
Descanso Community WD	Descanso Park and Vicinity	District	Irrigation Ditch Canal	973	300
Escondido City	Escondido	Municipal	Impounding Reservoir and Purchased	94,800	18,504
Fallbrook PUD	Fallbrook	District	Purchased	21,221	4,960
Helix WD	East County Cities	District	Impounding Reservoir Wells and Purchased	212,500	51,074
Jacumba CSD	Jacumba	Private	Wells	420	182
Lakeside WD	Lakeside and Vicinity	District	Purchased	15,000	3,729
Majestic Pines Water, MS	Julian Vicinity	District	Wells	1,300	600
Oceanside City	Oceanside	Municipal	Purchased	102,000	24,688
Olivenhain MWD	Olivenhain and Vicinity	District	Purchased	32,000	9,959
Otay WD	Spring Valley Jamul	District	Purchased	71,500	20,710
Padre Dam MWD	Santee-Alpine Vicinity	District	Purchased	82,000	17,013
Pine Valley Mutual Water Co	Pine Valley	Mutual	Wells	1,250	614
Poway City	Poway City	Municipal	Wells and Purchased	37,950	9,952
Rainbow MWD	Rainbow	Municipal	Purchased	10,387	3,524
Ramona MWD	Ramona and Vicinity	District	Impounding Reservoir Wells and Purchased	22,000	6,103
Rincon Del Diablo MWD	Rincon Del Diablo	District	Purchased	20,150	5,393
Riverview WD	Riverview	District	Purchased	15,000	2,146
San Diego Water Utilities Department	San Diego	Municipal	Impounding Reservoir and Purchased	1,013,000	223,548

Table 4-9 (Cont.)

Local Large Water Systems, San Diego County, 1986 (a)

System Name	Area Served	Ownership	Sources of Water	Population Served	Number of Service Connections
San Dieguito ID	Encinitas Vicinity	District	Purchased	32,570	9,033
San Marcos CWD	San Marcos	District	Purchased	34,000	7,534
Santa Fe ID	Santa Fe Vicinity	District	Purchased	25,000	5,438
Sweetwater Authority	National City-Chula Vista	District	Impounding Reservoir Wells and Purchased	153,500	32,946
Valley Center MWD	Valley Center	District	Purchased	12,000	2,764
Vista ID	Vista	District	Purchased and Irrigation Ditch Canal	60,288	18,130
Total				2,204,035 (b)	513,788

Source: State of California, Department of Health Services, Computer Printout (Sacramento: 1987).

(a) - Data presented for population served and number of service connections were current as of January 1, 1987. However, data on 30 percent of the local large water systems had not been provided by water purveyors.

(b) - This estimate of population is different from the population estimate shown in Table 4-1. The reasons for this are different sources of information, different methods of estimation, or double counting of residents and transients.

Table 4-10

Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000

San Diego County

Authority	Facility Name	City	Flow Through (MGD) 1984	Flow Through (MGD) 1986	Design Capacity 1986 (MGD)	Flow Through as a Percent of Design Capacity	Planned Capacity 2000 (MGD)	Capacity Difference 1986 to 2000 (MGD)	Percentage Change 1986 to 2000
Buena SD	Buena Coll. System	Buena	0.0800	NA (c)	NA	NA	NA	NA	NA
Calif-Dept of Parks & Rec	San Onofre St Beach WWTF	San Onofre	0.0600	0.0599	0.1900	31.5	0.190	0.000	0.0
Encina Jt Sewer Agency	Encina Joint Powers STP	Carlsbad	14.0000	14.0000	22.5000	62.2	22.500	0.000	0.0
City of Escondido	Hale Avenue WWTF	Escondido	10.0000	10.6999	16.5000	64.8	16.500	0.000	0.0
Fallbrook SD	Fallbrook WWTF #1	Fallbrook	1.1000	1.0999	1.1999	91.7	1.200	0.000	0.0
Fallbrook SD	Fallbrook WWTF #2	Fallbrook	0.2900	0.2999	0.4000	75.0	0.400	0.000	0.0
Julian SD	Julian WWTF	Julian	0.0200	0.0199	0.0400	49.8	0.040	0.000	0.0
Julian Union High School	Julian Union HS WWTF	Julian	0.0200	0.0199	0.0200	99.5	0.020	0.000	0.0
Leucadia CWD	Leucadia WWTF	Leucadia	0.6500	0.6499	0.6500	100.0	0.650	0.000	0.0
City of Oceanside	La Salina WWTF	Oceanside	3.5200	4.0000	5.5000	72.7	4.000	-1.500	-27.3
City of Oceanside	San Luis Rey WWTF	Oceanside	13.0000	5.5999	10.6999	52.3	10.700	0.000	0.0
Otay MWD	Jamacha Jct WWRF	Jamacha Jct	NA (b)	0.7500	1.0000	75.0	1.000	0.000	0.0
Padre Dam Water Dist	Santee WWTF	Santee	1.0000	1.0000	4.0000	25.0	4.000	0.000	0.0
Pala Indian Reservation	Pala Reservation Lagoon	Pala	0.0663	0.0662	0.0663	99.8	0.114	0.048	72.4
Pauma Valley CSD	Pauma Valley WWTF	Pauma Valley	0.0500	0.0599	0.1200	49.9	0.120	0.000	-0.1
Pine Valley SD	Pine Valley WWTF	Pine Valley	0.0300	0.0299	0.0500	59.8	0.050	0.000	-0.2
Rainbow MWD	Rainbow MWD Plant B-ID U3	Fallbrook	0.0500	0.0499	0.1000	49.9	1.000	0.900	900.0
Ramona SD	Santa Maria WWTP	Ramona	NA (b)	0.3499	0.5000	70.0	1.000	0.500	100.0
Ramona SD	Ramona WWTF	Ramona	0.1600	NA (c)	NA	NA	NA	NA	NA
Rancho Del Campo CSD	Rancho Del Campo WWTF	Campo	0.1200	0.1199	0.3000	40.0	0.300	0.000	0.0
Rancho Santa Fe SD	Rancho Santa Fe WWTF	Rancho Santa Fe	0.1400	0.2299	0.2799	82.1	0.280	0.000	0.0
San Diego, City of	Brown Field WWTF	San Diego	0.0300	NA (c)	NA	NA	NA	NA	NA
San Diego, City of	Point Loma WWTF	San Diego	130.9000	130.8999	120.0000	109.1	45.000	-75.000	-62.5
San Diego, County of	South Bay WWTF	San Diego	NA	NA (a)	NA	NA	140.000	NA	NA
San Diego, County of	Viejas Honor Camp WWTF	Alpine	0.0200	0.0199	0.0200	99.5	0.020	0.000	0.0
San Elijo Joint Powers	San Elijo Jt Powers STP	Cardiff	2.6000	2.5999	2.0000	130.0	5.000	3.000	150.0

Table 4-10 (Cont.)

Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000

San Diego County

Authority	Facility Name	City	Flow Through (MGD) 1984	Flow Through (MGD) 1986	Design Capacity 1986 (MGD)	Flow Through as a Percent of Design Capacity	Planned Capacity 2000 (MGD)	Capacity Difference 1986 to 2000 (MGD)	Percentage Change 1986 to 2000
San Marcos CWD	San Marcos Col System	San Marcos	0.2700	0.2699	0.2700	100.0	0.270	0.000	0.0
Valley Center MWD	Moosa Canon WWTF	Valley Center	0.1300	0.1299	0.5000	26.0	1.000	0.500	100.0
Whispering Palms SD	Whispering Palms WWTF	Whispering Palms	0.0700	0.0599	0.2000	30.0	0.200	0.000	0.0

Source: U.S. Environmental Protection Agency, Publicly Owned Municipal Wastewater Treatment Plants in Operation and Planned for 2000 - Report 3, California (computer printout, 1984 and 1986).

(a) - This facility is expected to come on-line some time between 1986 and the year 2000.

(b) - These facilities did not come on-line until after 1984.

(c) - These facilities closed after 1984.

MGD - Million gallons per day.

NA - Not available.

facilities shown in Table 4-10 is from the U.S. Environmental Protection Agency's (EPA) survey of publicly owned municipal wastewater treatment plants. Areas of the county not served by public sewage systems use septic tanks, or seepage pits. Many areas of the county not served by public sewage systems have severe soil limitations on the use of these systems (San Diego County Planning Department, 1983).

According to the EPA survey, 4 of the 25 operating sewage treatment facilities in the county included in the EPA 1986 survey were operating at 100.0 percent or more of capacity. Three other facilities were operating between 99.0 and 100.0 percent of capacity. Five facilities, including two of the facilities which were operating above 99.0 percent of capacity in 1986, are projected to have an increase in capacity by 2000. One new facility is planned to come on-line by the year 2000. Four facilities, including one of the facilities operating at more than 100 percent of capacity in 1986, show planned decreases in capacity by 2000. Decreases in capacity may be the result of changes in the equipment at the sewage treatment facility (Joyce Hudson, U.S. Environmental Protection Agency, personal communication, 1987).

4.6.5 Solid Waste Disposal

Solid waste in San Diego County is disposed of at the county's seven landfills: Borrego, Otay, Ramona, San Marcos, Sycamore, Miramar, and Montgomery. A projection of county solid waste production between 1986 and 1996 and the capacity of the county's landfill operation are shown in Table 4-11 and Figures 4-9 and 4-10. The numbers in Table 4-11 were prepared by the California Waste Management Board (CWMB). (The projected annual growth rate in solid waste generation developed by the CWMB, 1.8 percent from 1986 to 1990, and 1.4 percent from 1991 to 1996, was applied by the CWMB to all counties.) Between 1986 and 1996, annual solid waste disposal requirements in the county are projected to increase by 17.2 percent. Using this projected increase in requirements, current landfill capacity is projected to be sufficient to handle the increased solid waste disposal requirements in the county only until 1996.

4.6.6 Public Schools

San Diego County is served by 44 school districts: 13 elementary districts (includes kindergarten and grades 1-6 or 1-8); 14 union elementary districts (formed from two or more districts); 6 union high school districts (includes two or more elementary school districts); 10 unified districts (includes both elementary and high school education); and the county schools operated by the county superintendent of schools. Total enrollment for the county by school district, for the years 1980-81 to 1985-86, is presented in Table 4-12. In 1980-81, total enrollment was 299,324. By 1985-86, overall enrollment had steadily increased to 327,804, or 9.5 percent. Elementary enrollment increased 10.2 percent and high school enrollment increased 8.0 percent between the 1980-81 and 1985-86 school years. There was a slight decline in high school enrollment between the 1982-83 and 1983-84 school years. Enrollment by year for the 6-year period is also shown in Figure 4-11. Enrollment by school district and city or area served for the 1985-86 school year is

Table 4-11

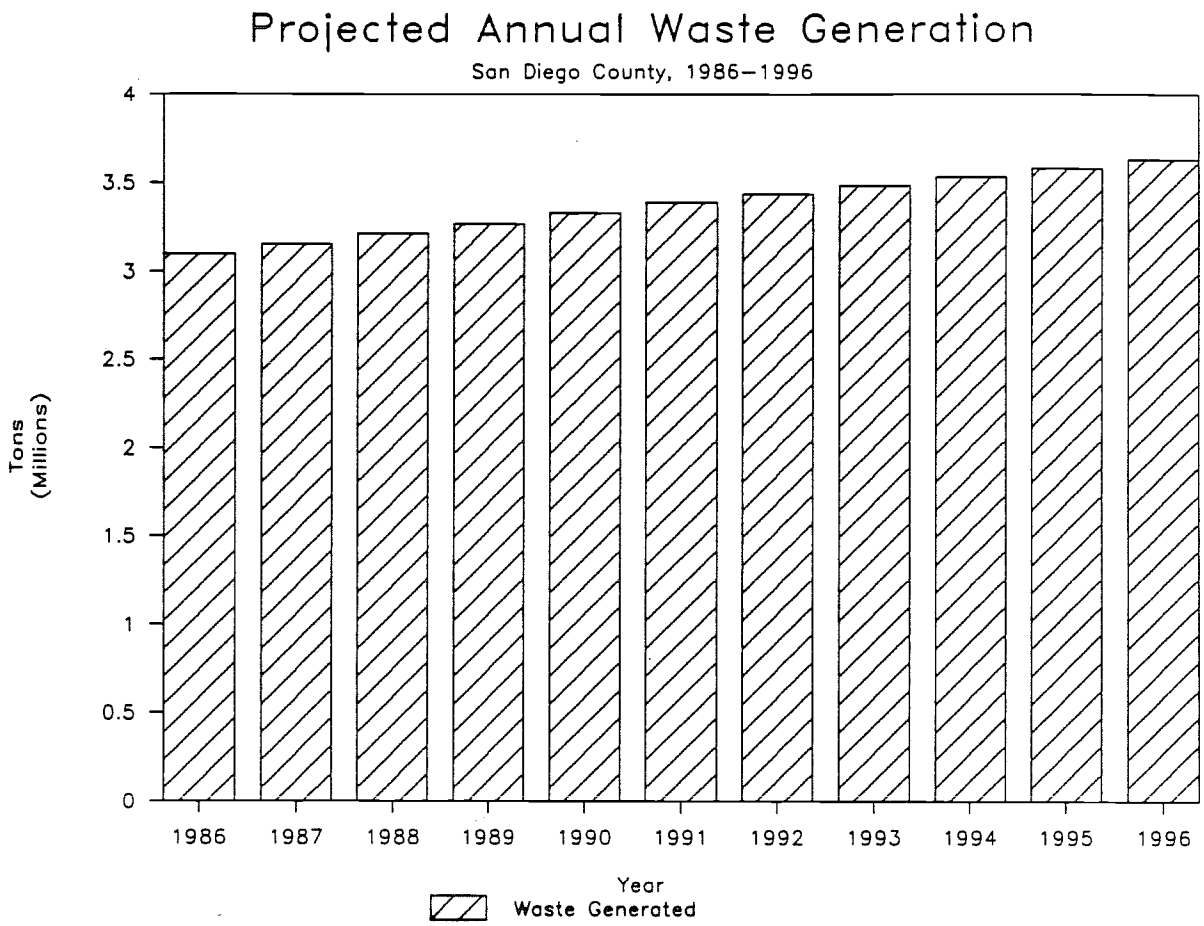
Projections of Annual Waste Disposed and Remaining Disposal Capacity, San Diego County, 1986-1996

Year	Annual Waste Disposed (Tons Per Year)	Remaining Disposal Capacity (Tons Per Year)
1986	3,100,000	31,600,000
1987	3,155,800	28,444,200
1988	3,212,604	25,231,596
1989	3,270,431	21,961,164
1990	3,329,299	18,631,865
1991	3,389,226	15,242,639
1992	3,436,676	11,805,963
1993	3,484,789	8,321,174
1994	3,533,576	4,787,598
1995	3,583,046	1,204,552
1996	3,633,209	-2,428,657 (a)

Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

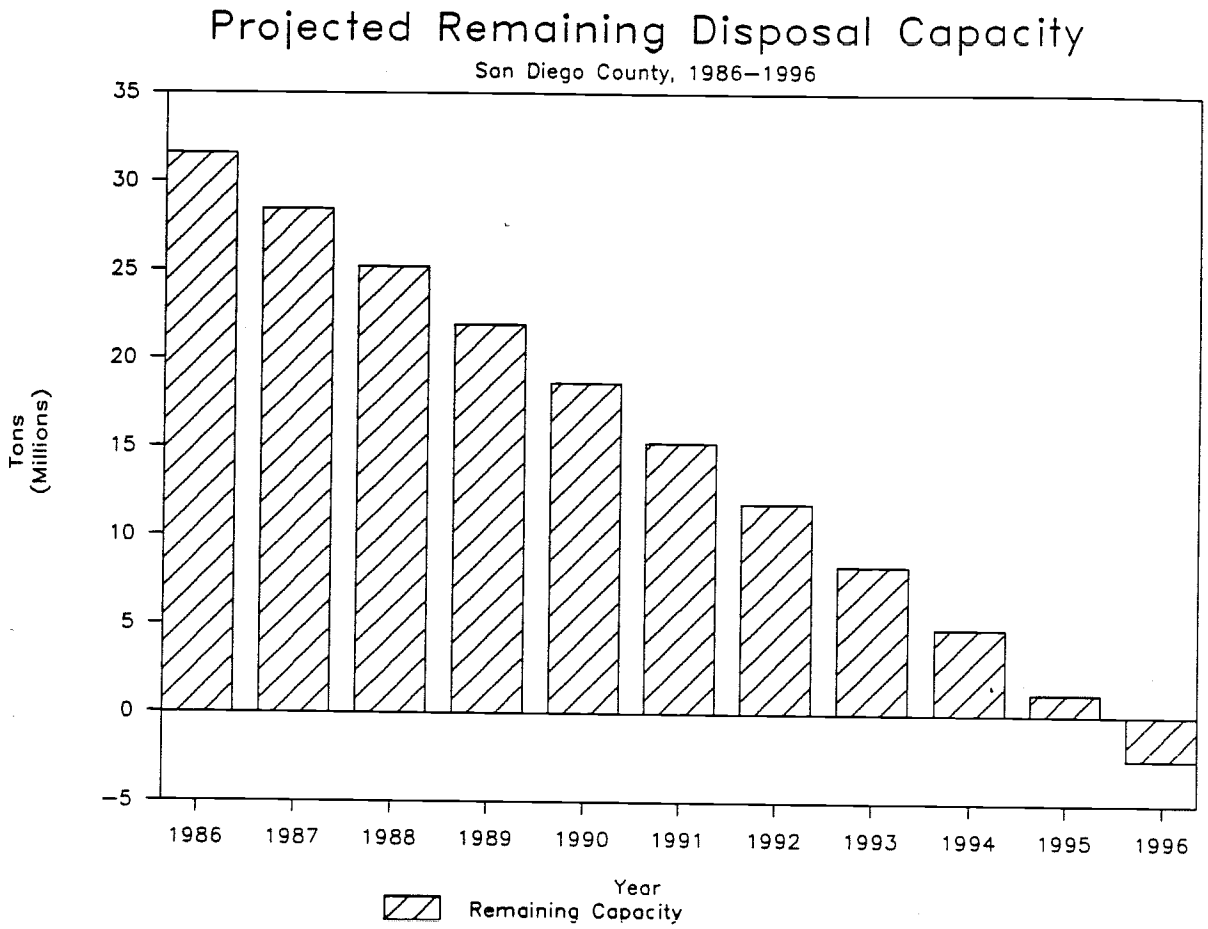
(a) - Remaining disposal capacity was calculated by subtracting the annual waste disposed figures from the base 1986 remaining disposal capacity figure. The negative value indicates that by the year 1996 San Diego County will have exceeded current permitted disposal capacity.

Figure 4-9



Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

Figure 4-10



Source: California Waste Management Board, Report on Remaining Disposal Capacities for Counties and the State as of January 1987 (Sacramento: 1987).

Table 4-12

Enrollment by School District, San Diego County, 1980-81 to 1985-86

School District	1980-81 Elementary	1980-81 High School	1980-81 Total	1981-82 Elementary	1981-82 High School	1981-82 Total	1982-83 Elementary	1982-83 High School	1982-83 Total
Alpine Union Elementary	1,023	0	1,023	1,002	0	1,002	1,045	0	1,045
Bonsall Union Elementary	651	0	651	681	0	681	687	0	687
Borrego Springs Unified	190	104	294	198	97	295	182	107	289
Cajon Valley Union Elementary	11,564	0	11,564	11,907	0	11,907	11,902	8	11,910
Cardiff Elementary	718	0	718	672	0	672	634	0	634
Carlsbad Unified	2,627	1,629	4,256	2,801	1,472	4,273	2,870	1,504	4,374
Chula Vista City Elementary	13,181	0	13,181	14,090	0	14,090	13,932	0	13,932
Coronado Unified	1,356	787	2,143	1,319	764	2,083	1,288	697	1,985
Dehesa Elementary	109	0	109	87	0	87	91	0	91
Del Mar Union Elementary	882	0	882	820	0	820	729	0	729
Encinitas Union Elementary	2,908	0	2,908	3,018	0	3,018	3,020	0	3,020
Escondido Union Elementary	9,024	0	9,024	9,263	0	9,263	9,595	5	9,600
Escondido Union High	0	5,422	5,422	0	5,371	5,371	0	5,366	5,366
Fallbrook Union Elementary	3,526	0	3,526	3,681	0	3,681	3,736	0	3,736
Fallbrook Union High	0	1,939	1,939	0	1,930	1,930	0	1,864	1,864
Grossmont Union High	0	19,561	19,561	0	19,387	19,387	0	18,983	18,983
Jamul-Las Flores Union Elmentary	635	0	635	658	0	658	637	0	637
Julian Union Elementary	359	0	359	393	0	393	380	0	380
Julian Union High	0	247	247	0	211	211	0	208	208
La Mesa-Spring Valley Elementary	11,078	0	11,078	11,236	0	11,236	11,151	0	11,151
Lakeside Union Elementary	3,367	0	3,367	3,426	0	3,426	3,480	0	3,480
Lemon Grove Elementary	2,983	0	2,983	3,085	0	3,085	3,115	0	3,115
Mountain Empire Unified	969	359	1,328	974	333	1,307	1,019	338	1,357
National Elementary	4,986	0	4,986	5,028	0	5,028	5,244	0	5,244
Oceanside City Unified	7,795	2,806	10,601	8,326	2,893	11,219	8,628	2,868	11,496
Pauma Elementary	263	0	263	264	0	264	266	0	266
Poway Unified	10,224	5,734	15,958	10,035	4,884	14,919	10,155	4,994	15,149
Ramona City Unified	2,258	991	3,249	2,492	1,192	3,684	2,578	1,233	3,811
Ranch Santa Fe Elementary	428	0	428	445	0	445	433	0	433
San Diego City Unified	73,919	32,880	106,799	77,439	33,465	110,904	77,252	33,379	110,631
San Diego County Schools	64	392	456	42	340	382	42	424	466
San Dieguito Union High	1,656	3,772	5,428	1,747	3,893	5,640	1,952	3,945	5,897

Table 4-12 (Cont.)

Enrollment by School District, San Diego County, 1980-81 to 1985-86

School District	1980-81 Elementary	1980-81 High School	1980-81 Total	1981-82 Elementary	1981-82 High School	1981-82 Total	1982-83 Elementary	1982-83 High School	1982-83 Total
San Marcos Unified	3,512	1,288	4,800	3,655	1,489	5,144	3,768	1,545	5,313
San Pasqual Union Elementary	165	0	165	166	0	166	184	0	184
San Ysidro Elementary	2,665	0	2,665	2,704	0	2,704	2,688	0	2,688
Santee Elementary	6,481	0	6,481	6,599	0	6,599	6,631	0	6,631
Solana Beach Elementary	863	0	863	899	0	899	839	0	839
South Bay Union Elementary	6,469	0	6,469	6,534	0	6,534	6,655	0	6,655
Spencer Valley Elementary	10	0	10	18	0	18	23	0	23
Sweetwater Union High	7,228	14,060	21,288	7,422	15,275	22,697	7,822	15,394	23,216
Vallecitos Elementary	140	0	140	138	0	138	145	0	145
Valley Center Union Elementary	1,131	0	1,131	1,217	0	1,217	1,257	0	1,257
Vista Unified	6,719	3,101	9,820	7,080	3,251	10,331	7,501	3,047	10,548
Warner Union Elementary	126	0	126	138	0	138	166	0	166
Total	204,252	95,072	299,324	211,699	96,247	307,946	213,722	95,909	309,631

Table 4-12 (Cont.)

Enrollment by School District, San Diego County, 1980-81 to 1985-86

School District	1983-84 Elementary	1983-84 High School	1983-84 Total	1984-85 Elementary	1984-85 High School	1984-85 Total	1985-86 Elementary	1985-86 High School	1985-86 Total
Alpine Union Elementary	1,043	0	1,043	1,057	0	1,057	1,097	0	1,097
Bonsall Union Elementary	702	0	702	663	0	663	767	0	767
Borrego Springs Unified	190	91	281	206	100	306	202	105	307
Cajon Valley Union Elementary	11,919	0	11,919	12,069	0	12,069	12,695	0	12,695
Cardiff Elementary	648	0	648	661	0	661	701	0	701
Carlsbad Unified	2,941	1,429	4,370	3,153	1,596	4,749	3,317	1,682	4,999
Chula Vista City Elementary	13,478	0	13,478	13,564	0	13,564	14,037	0	14,037
Coronado Unified	1,275	692	1,967	1,245	700	1,945	1,250	743	1,993
Dehesa Elementary	98	0	98	110	0	110	116	0	116
Del Mar Union Elementary	708	0	708	719	0	719	732	0	732
Encinitas Union Elementary	3,061	0	3,061	3,277	0	3,277	3,593	0	3,593
Escondido Union Elementary	9,709	7	9,716	9,810	0	9,810	10,147	0	10,147
Escondido Union High	0	5,398	5,398	0	5,401	5,401	0	5,549	5,549
Fallbrook Union Elementary	3,822	0	3,822	3,896	0	3,896	3,987	0	3,987
Fallbrook Union High	0	1,864	1,864	0	1,863	1,863	0	2,009	2,009
Grossmont Union High	0	19,255	19,255	0	19,502	19,502	0	20,029	20,029
Jamul-Las Flores Union Elmentary	631	0	631	628	0	628	672	0	672
Julian Union Elementary	386	0	386	389	0	389	429	3	432
Julian Union High	0	211	211	0	220	220	0	202	202
La Mesa-Spring Valley Elementary	11,057	0	11,057	11,141	0	11,141	11,395	0	11,395
Lakeside Union Elementary	3,552	0	3,552	3,545	0	3,545	3,639	0	3,639
Lemon Grove Elementary	3,157	0	3,157	3,207	0	3,207	3,286	0	3,286
Mountain Empire Unified	1,087	346	1,433	1,056	405	1,461	1,168	392	1,560
National Elementary	5,279	0	5,279	5,376	0	5,376	5,533	0	5,533
Oceanside City Unified	8,690	2,967	11,657	8,957	3,049	12,006	9,525	3,240	12,765
Pauma Elementary	271	0	271	273	0	273	325	0	325
Poway Unified	10,232	5,102	15,334	10,488	5,447	15,935	11,051	5,735	16,786
Ramona City Unified	2,599	1,264	3,863	2,739	1,311	4,050	2,911	1,358	4,269
Ranch Santa Fe Elementary	423	0	423	442	0	442	460	0	460
San Diego City Unified	77,511	33,307	110,818	77,721	33,642	111,363	79,818	33,834	113,652
San Diego County Schools	102	523	625	144	740	884	192	966	1,158
San Dieguito Union High	1,890	4,139	6,029	1,709	4,463	6,172	1,819	4,689	6,508

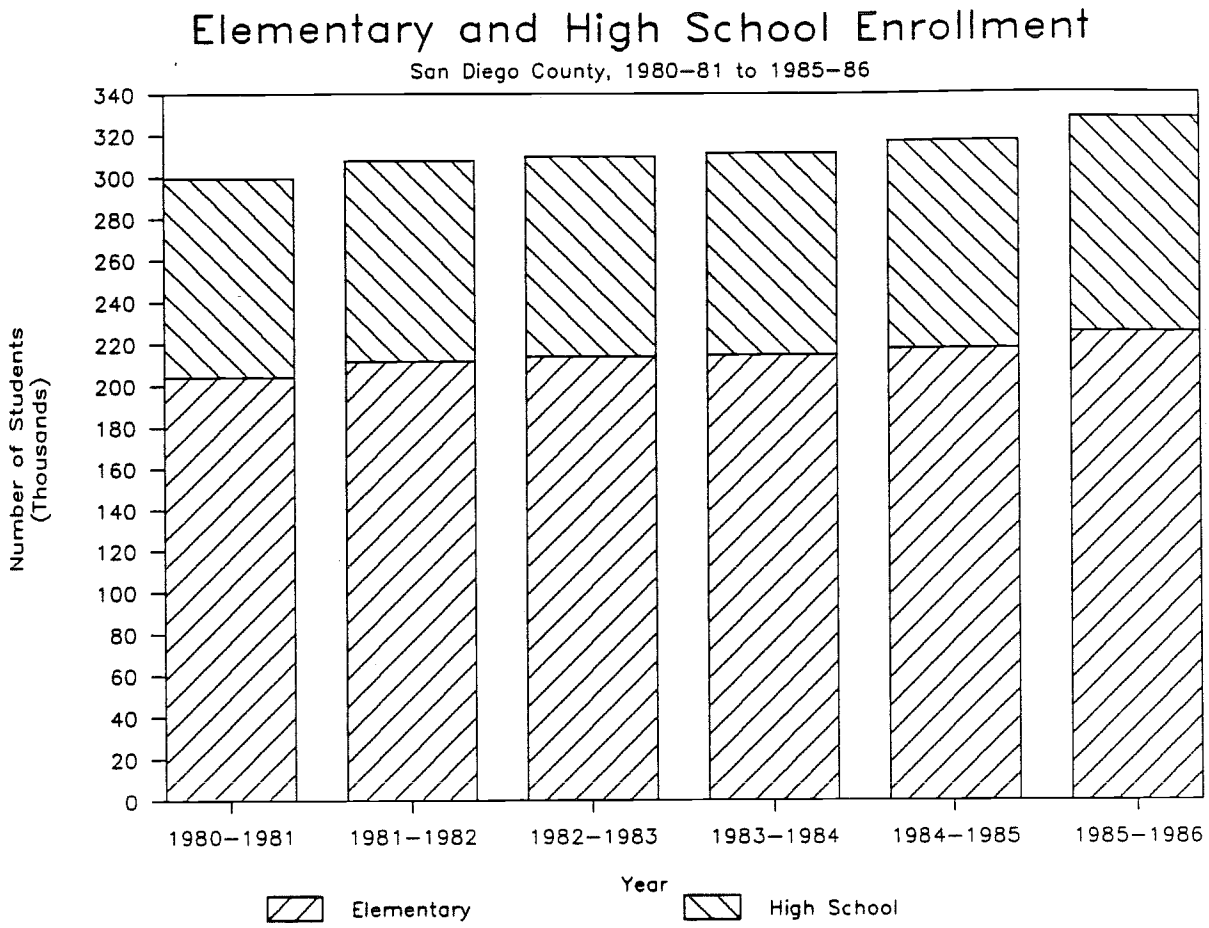
Table 4-12 (Cont.)

Enrollment by School District, San Diego County, 1980-81 to 1985-86

School District	1983-84 Elementary	1983-84 High School	1983-84 Total	1984-85 Elementary	1984-85 High School	1984-85 Total	1985-86 Elementary	1985-86 High School	1985-86 Total
San Marcos Unified	3,710	1,567	5,277	3,714	1,711	5,425	3,888	1,825	5,713
San Pasqual Union Elementary	171	0	171	185	0	185	178	0	178
San Ysidro Elementary	2,647	0	2,647	2,715	0	2,715	2,862	0	2,862
Santee Elementary	6,658	0	6,658	6,752	0	6,752	6,896	0	6,896
Solana Beach Elementary	818	0	818	837	0	837	914	0	914
South Bay Union Elementary	6,767	0	6,767	7,081	0	7,081	7,576	0	7,576
Spencer Valley Elementary	25	0	25	30	0	30	24	0	24
Sweetwater Union High	7,876	15,603	23,479	7,855	16,385	24,240	7,762	16,800	24,562
Vallecitos Elementary	164	0	164	163	0	163	142	0	142
Valley Center Union Elementary	1,370	0	1,370	1,510	0	1,510	1,570	0	1,570
Vista Unified	7,561	3,238	10,799	7,961	3,407	11,368	8,219	3,563	11,782
Warner Union Elementary	157	0	157	163	0	163	185	0	185
Total	214,385	97,003	311,388	217,211	99,942	317,153	225,080	102,724	327,804

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: computer printout, 1980 to 1985).

Figure 4-11



Source: California Department of Education, CBEDS Data Collection (Sacramento: 1980 to 1985).

shown in Table 4-13. Enrollment by school district by year and grade is included in the data supplement, Table DS 4-16.

Public school enrollment in the county is projected to increase steadily to a high of 434,683 in the 1995-96 school year, or 45.2 percent more than in the 1980-81 school year (California Department of Finance, 1986d). Figure 4-12 shows the projected public school enrollment in the county from 1980-81 to 1995-96.

4.6.7 Transportation

4.6.7.1 Land

There were 8,082 miles of public roads in San Diego County in 1980 (see Table 4-1). State highways accounted for 7.2 percent of these miles of roads. About 8.5 percent of these were federal miles of roads which do not overlap state or local road systems. There are several interstate highways which crisscross San Diego County. Interstates 5, 15, and 805 run in a north-south direction in the county, while Interstate 8 runs in an east-west direction.

Table 4-14 shows the number of vehicle miles of travel in the county between 1979 and 1985. Between 52.6 and 57.3 percent of the vehicle miles of travel in each of these years occurred on state highways.

The San Diego and Arizona Eastern Railroad and the Atchison, Topeka, and Santa Fe Railroad provide freight rail service in San Diego County. Amtrak provides passenger service between the cities of San Diego and Los Angeles.

4.6.7.2 Marine

Port facilities for ocean-going, deep-draft vessels, and commercial fishing vessels and recreational boaters are available in San Diego Harbor. Additional small-craft facilities are found in Mission Bay, located just north of San Diego Harbor, and Oceanside Harbor, just south of Camp Pendleton Marine Corps Base. The San Diego Harbor is under the jurisdiction of the San Diego Unified Port District, and is one of the major ports for international and intercoastal shipping. The facilities available at San Diego, Mission Bay, and Oceanside are discussed more fully in Section 4.10.1.

4.6.7.3 Air

San Diego County is served by 17 airports with landing facilities open to the public. These serve primarily privately owned aircraft. Commercial service is also available at four of these facilities: Brown Field Municipal Airport, Gillespie Field Airport, Montgomery Field Airport, and San Diego International-Lindberg Field Airport. Of the 17 airports in the county, 8 are owned by San Diego County; 4 are owned by cities; 1 is owned by the San Diego Unified Airport District; and 4 are privately owned. Table 4-15 provides information about selected characteristics of these airports. In addition, there are 12 privately owned airports which are not open for use by the general public.

Table 4-13

Enrollment by School District by City, San Diego County, 1985-86

School District	City/Area Served	Enrollment: City/Area	Enrollment: District Total
Alpine Union Elementary	Alpine	1,097	1,097
Bonsall Union Elementary	Bonsall	767	767
Borrego Springs Unified	Borrego Springs	307	307
Cajon Valley Union Elementary	El Cajon	12,695	12,695
Cardiff Elementary	Cardiff-by-the-Sea	701	701
Carlsbad Unified	Carlsbad	4,999	4,999
Chula Vista City Elementary	Bonita	1,641	14,037
	Chula Vista	10,262	
	San Diego	2,134	
Coronado Unified	Coronado	1,993	1,993
Dehesa Elementary	El Cajon	116	116
Del Mar Union Elementary	Del Mar	732	732
Encinitas Union Elementary	Encinitas	3,593	3,593
Escondido Union Elementary	Escondido	10,147	10,147
Escondido Union High	Escondido	5,549	5,549
Fallbrook Union Elementary	Fallbrook	3,987	3,987
Fallbrook Union High	Fallbrook	2,009	2,009
Grossmont Union High	El Cajon	6,279	20,029
	La Mesa	4,690	
	Lakeside	2,087	
	Santee	2,526	
	Spring Valley	4,447	
Jamul-Dulzura Union Elmentary	Jamul	243	672
	Jumul	429	
Julian Union Elementary	Julian	432	432
Julian Union High	Julian	202	202
La Mesa-Spring Valley Elementary	El Cajon	589	11,395
	La Mesa	4,467	
	Spring Valley	6,339	
Lakeside Union Elementary	Lakeside	3,639	3,639
Lemon Grove Elementary	La Mesa	347	3,286
	Lemon Grove	2,939	
Mountain Empire Unified	Boulevard	103	1,560
	Campo	227	
	Descanso	221	
	Jacumba	72	
	Pine Valley	805	
	Potrero	132	
National Elementary	National City	5,533	5,533
Oceanside City Unified	Oceanside	12,765	12,765
Pauma Elementary	Palomar Mountain	26	325
	Pauma Valley	299	
Poway Unified	Poway	8,954	16,786
	San Diego	7,832	

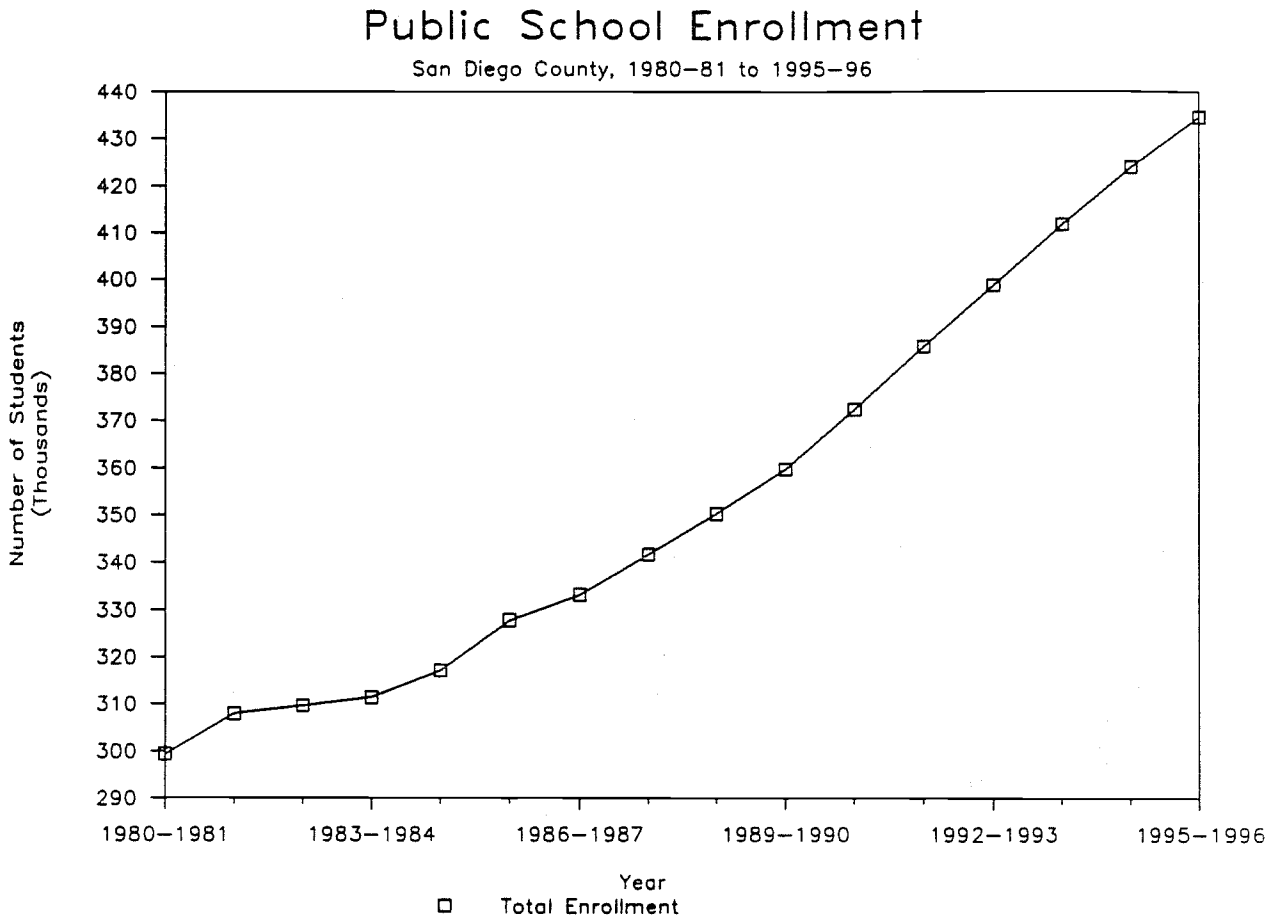
Table 4-13 (Cont.)

Enrollment by School District by City, San Diego County, 1985-86

School District	City/Area Served	Enrollment: City/Area	Enrollment: District Total
Ramona City Unified	Ramona	4,269	4,269
Ranch Santa Fe Elementary	Rancho Santa Fe	460	460
San Diego City Unified	La Jolla	3,718	113,652
	San Diego	109,934	
San Diego County Schools	Campo	141	1,158
	National City	49	
	San Diego	968	
San Dieguito Union High	Del Mar	1,987	6,508
	Encinitas	3,847	
	Solana Beach	674	
San Marcos Unified	San Marcos	5,713	5,713
San Pasqual Union Elementary	Escondido	178	178
San Ysidro Elementary	San Ysidro	2,862	2,862
Santee Elementary	Santee	6,896	6,896
Solana Beach Elementary	Solana Beach	914	914
South Bay Union Elementary	Imperial Beach	3,332	7,576
	San Diego	4,244	
Spencer Valley Elementary	Santa Ysabel	24	24
Sweetwater Union High	Chula Vista	12,311	24,562
	Imperial Beach	1,498	
	National City	3,719	
	San Diego	7,034	
Vallecitos Elementary	Fallbrook	142	142
Valley Center Union Elementary	Valley Center	1,570	1,570
Vista Unified	Vista	11,782	11,782
Warner Union Elementary	Warner Springs	185	185
Total		327,804	327,804

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: 1985).

Figure 4-12



Source: California Department of Finance, Projection Summary, K-12 Public School Enrollment, Total Graded Enrollment by County by School Year (Sacramento: 1986).

Table 4-14

Vehicle Miles of Travel, San Diego County, 1979-1985

Year	State Highways: Millions of Vehicle Miles of Travel	State Highways: Percent	All Other Roads: Millions of Vehicle Miles of Travel	All Other Roads: Percent	Total Millions of Vehicle Miles of Travel
1979	6,328	54.9	5,191	45.1	11,519
1980	6,329	56.8	4,818	43.2	11,147
1981	6,524	57.3	4,868	42.7	11,392
1982	6,789	55.3	5,497	44.7	12,286
1983	7,274	54.4	6,099	45.6	13,373
1984	8,138	53.1	7,196	46.9	15,334
1985	8,584	52.6	7,727	47.4	16,311

Source: California Department of Transportation, Vehicle Miles of Travel by County, 1979 through 1983 (Sacramento).
California Department of Transportation, Estimates of Annual Vehicle Miles of Travel on Public Roads by County, 1984 and 1985 (Sacramento).

Table 4-15

Airport Facilities, San Diego County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways	Longest Runways (in feet)	Number of Operations Per Year
Agua Caliente Springs	Agua Caliente Springs	San Diego County	No	1	2,500	General Aviation - 100 (a)
Borrego Springs	Borrego Valley	San Diego County	No	1	5,000	Air Taxi - 700 (a) Commuter - 4,500 (a) General Aviation - 20,500 (a)
Carlsbad	McClellan-Palomar	San Diego County	Yes	1	4,700	Commuter - 7,283 (a) General Aviation - 150,300 (a) Military - 1,512 (a)
Fallbrook	Fallbrook Community Airpark	San Diego County	No	1	2,160	General Aviation - 35,000 (a)
Jacumba	Jacumba	San Diego County	No	1	2,510	General Aviation - 2,500 (a)
Julian	Cordell's Cisco 21 Sky Ranch	Private	No	1	1,900	
Oceanside	Oceanside Municipal	City of Oceanside	Yes	1	3,061	Air Taxi - 1,000 (a) General Aviation - 79,000 (a)
Ocotillo Wells	Ocotillo	San Diego County	No	2	4,210	General Aviation - 200 (a)
Potrero	Bowmans Ranch	Private	No	1	2,080	
Ramona	Flying T Ranch	Private	No	1	2,000	
Ramona	Ramona	San Diego County	Yes	1	4,000	General Aviation - 75,000 (a) Military - 30 (a)
San Diego	Brown Field Municipal	City of San Diego	Yes	2	7,999	Air Taxi - 99 (b) General Aviation - 117,956 (b)

Table 4-15 (Cont.)

Airport Facilities, San Diego County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways	Longest Runways (in feet)	Number of Operations Per Year
						Military - 19,208 (b)
San Diego	Montgomery Field	City of San Diego	Yes	3	3,402	Air Taxi - 3,500 (b) General Aviation - 266,608 (b) Military - 265 (b)
San Diego	San Diego Intl - Lindbergh Field	San Diego Unified Airport Dist	Yes	2	9,400	Air Carrier - 101,256 (a) Commuter - 25,612 (a) General Aviation - 31,357 (a) Military - 3,232 (a)
San Diego	Torrey Pines	City of San Diego	NA	1	1,500	No information available.
San Diego/El Cajon	Gillespie Field	San Diego County	Yes	3	5,341	Air Taxi - 22 (b) General Aviation - 186,741 (b) Military - 57 (b)
Warner Springs	Warner Springs	Private	No	1	4,700	

Source: Aircraft Owners and Pilots Association, AOPA's Airports USA (Frederick, MD: 1987).
U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

(a) - Operations for 12 months during various months in 1986.
(b) - Operations for 12 months during various months in 1985.
NA - Not available.
Note: There are 12 other private airports listed in the Airport Master Record which are not included in this table and which are not open for use by the general public.

There are four heliport facilities in San Diego County with landing facilities open to the public (see Table 4-16). In addition, there are 13 privately owned, and 7 publicly owned facilities which are not available for use by the general public. Characteristics of the five military airports in the county are shown in Table DS 4-16.

4.7 Public Finance Profile

Table 4-17 provides a summary of county and city public finance in fiscal years 1980 and 1985 expressed in 1986 dollars. This summary table includes total revenue, total expenditures, net fiscal balance, outstanding debt, and per capita taxes. The total outstanding debt shown in Table 4-17 includes principal and interest payments on long term bonds (except Special Assessment Act bonds) and Lease-Purchase obligations. The per capita tax shown is based on total taxes divided by the total population.

A list of the line items included in the revenue and expenditure categories for the cities and county is included in Table DS 4-18. The disaggregated revenue figures shown in the table are directly comparable between years and governmental units; disaggregated expenditures are not. A complete listing of the expenditure categories used in each year and by each level of government is shown in Table DS 4-19.

City revenue (for the 14 cities existing in 1980 combined) totaled $540.4 million during fiscal year 1980 while city expenditures totaled $520.4 million. During this same fiscal year, revenue to San Diego County totaled $648.8 million while expenditures were $693.6 million. In fiscal year 1980 the county as well as the cities of Coronado, Del Mar, La Mesa, National City, Oceanside, San Marcos, and Vista experienced a fiscal shortfall. In fiscal year 1985 the county and the cities all showed a positive fiscal balance. A more detailed profile of county and city revenue and expenditures is included in the data supplement (see Table DS 4-18).

The average effective commercial tax rate in San Diego County is 1.05 percent per $100.00 of value. The basic tax rate for all tax code areas in the county is 1.0 percent per $100.00 of value. Outstanding bonds, long-term debts, and city taxes within each tax code area are attached to the basic rate. In applying the tax rate, no differentiation is made between commercial and residential property. Personal property, which includes equipment, is assessed separately of real property, and depreciated each year according to a depreciation schedule supplied by the state Tax Assessor's Office in Sacramento. Real property is appreciated each year by a factor based on the Consumer Price Index. The maximum amount of appreciation is 2.0 percent per year of the present value of the property. Real property is not reappraised each year unless it is sold, there is new construction, there is a natural or man-made disaster, or a protest is filed under Proposition 8 (Mickey Lawrence, San Diego County Tax Assessor's Office, personal communication, 1987).

Table 4-16

Heliport Facilities, San Diego County, 1987

Associated City	Facility Name	Ownership	Instrument Approach	Number of Helipads	Largest Helipad (in feet)
Ramona	Ramona Heliport	San Diego County	No	2	60 x 60
San Diego	Brown Field Municipal Heliport	City of San Diego	No	2	50 x 50
San Diego	Montgomery Field Heliport	City of San Diego	No	1	132 x 100
San Diego/El Cajon	Gillespie Field Heliport	San Diego County	No	2	30 x 30

Source: Aircraft Owners and Pilots Association, AOPA's Airports USA, 1987.
U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

Note: There are 13 other private heliports and 7 other public heliports listed in the Airport Master Record which are not included in this table.

Table 4-17

Government Finance for San Diego County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Total Revenue		Total Expenditures		Fiscal Balance (a)		Total Outstanding Debt		Per Capita Tax Rate (in 1986 dollars)	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Carlsbad	$15,967	$36,057	$13,071	$23,955	$2,895	$12,102	$3,720	$1,744	$259	$445
Chula Vista	26,120	28,082	23,306	24,594	2,814	3,489	1,902	866	146	151
Coronado	7,931	11,230	8,653	10,682	(722)	547	1,044	794	177	296
Del Mar	2,293	4,997	2,989	4,220	(696)	776	3,691	2,272	268	297
El Cajon	24,108	26,946	19,966	22,328	4,142	4,617	379	50	177	180
Escondido	22,008	58,601	20,618	43,109	1,390	15,493	18,447	11,677	196	329
Imperial Beach	5,559	5,493	5,003	4,761	556	732	456	164	74	71
La Mesa	13,554	16,329	13,734	15,675	(180)	654	89	0	140	168
Lemon Grove	4,279	4,569	2,969	3,493	1,310	1,076	0	0	69	113
National City	14,472	18,664	14,493	16,800	(21)	1,864	419	168	160	197
Oceanside	31,244	70,130	31,613	59,086	(368)	11,043	18,104	10,610	125	208
Poway (b)	NA	20,140	NA	15,097	NA	5,043	NA	12,607	NA	135
San Diego	358,281	562,005	349,085	463,939	9,196	98,066	109,685	50,523	174	206
San Marcos	4,670	7,261	4,831	5,864	(161)	1,397	871,498	1,767	149	184
Santee (c)	NA	10,661	NA	8,112	NA	2,549	NA	0	NA	85
Vista	9,874	17,783	10,081	11,982	(207)	5,801	0	0	126	157
City Subtotal	$540,358	$898,947	$520,410	$733,696	$19,947	$165,251	$1,029,435	$93,242	$167	$203
County	$648,817	$818,665	$693,643	$802,251	($44,826)	$16,413	$718	$1,274	$71	$96
City and County	$1,189,174	$1,717,611	$1,214,053	$1,535,947	($24,879)	$181,664	$1,030,153	$94,516	$113	$144

Table 4-17 (Cont.)

Government Finance for San Diego County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

Source: California State Controller's Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

California State Controller's Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

See data supplement table entitled "Government Finance for San Diego County and Its Cities, Fiscal Years 1980 and 1985" for a listing of the line items making up each category.

(a) - Negative values are expressed in parentheses.

(b) - The city of Poway was incorporated in 1980.

(c) - The city of Santee was incorporated in 1980.

NA - Not available.

4.8 Energy Consumption Profile

Electricity in San Diego County is provided by the city of Escondido and San Diego Gas and Electric. Natural gas is furnished by San Diego Gas and Electric. Table 4-18 details electricity consumption in the county by operating sector for the year 1984. The commercial sector was the largest consumer of electricity in terms of consumption units and revenue. Natural gas is furnished by San Diego Gas and Electric. Table 4-19 provides details of gas consumption for San Diego County by operating sector for the year 1984. In terms of consumption units and revenue, the residential sector was the largest consumer of natural gas.

4.9 Land Use Profile

A profile of land use in San Diego County is shown in Table 4-20. The information in this table comes from the periodic land use surveys prepared by the California Department of Water Resources. For San Diego County, the survey was conducted in 1977 and 1979. Four classes of land use are presented in this survey -- agriculture, native, urban, and recreation -- and more detail is added through the use of subclasses. There is also an unclassified category used in the survey although it was not used in classifying land use in San Diego County. Under this classification scheme, 86.2 percent of the land in the county is in the native classes category. This category includes native vegetation, water surface, barren and wasteland, and unsegregated native classes. The total area of the county calculated in this survey is 4,866 hectares (12,014 acres) smaller than that shown in Section 4.1. The reason for this is that the sources of the information differ. (Note: The sources used for land and water area in Section 4.1 and the results of the land use survey presented in this section are both from the California Department of Water Resources. The land use survey does not provide information on total land and total water area as separate components of total area and, therefore, could not be used in Section 4.1.)

A profile of land owned or leased by the federal government is presented in Table 4-21. According to information provided by the General Services Administration, 297,294 hectares (734,060 acres), or 26.8 percent of the land in San Diego County is leased or owned by the federal government. This amount is less than the state proportion of federally leased or owned land (47.9 percent). Of these federally owned or leased lands, the Navy owns 81,932 hectares (202,300 acres), and the Air Force owns 29 hectares (71 acres). The remainder of the land is owned or leased by civil agencies. The National Forest Service and the Department of the Interior own the largest amounts of land 116,675 hectares (288,087 acres), and 72,744 hectares (179,615 acres) respectively.

The number of farms and land used for farming in San Diego County in 1969, 1974, 1978, and 1982 are shown in Table 4-22. In 1982, 23.2 percent of the land in the county was used for farming.

Table 4-18

Electricity Consumption by Sector, San Diego County, 1984

Sector	Company	Sales (Kilowatt Hours)	Revenue (a)	Average Cost Per Kilowatt Hour (b)
Residential	City of Escondido	319,200	$424	$752.83
	San Diego Gas and Electric	3,873,142,628	460,778,914	8.41
	Total	3,873,461,828	460,779,338	8.41
Commercial	San Diego Gas and Electric	3,903,065,089	495,944,261	7.87
Industrial	San Diego Gas and Electric	905,641,890	115,075,681	7.87
Agriculture	San Diego Gas and Electric	227,865,598	28,953,013	7.87
Unclassified	San Diego Gas and Electric	1,151,115,301	146,266,845	7.87
Total		10,061,149,706	$1,247,019,938	$8.07

Source: California Energy Commission, Assessments Division, Electricity in KWH by County (Sacramento: computer printout, 1987).

(a) - Expressed in 1986 dollars.

(b) - Calculated as sales divided by revenue. Expressed in 1986 dollars.

Table 4-19

Gas Consumption by Sector, San Diego County, 1984

Sector	Company	Sales (Therms) (a)	Revenue (b)	Average Cost Per Therm (c)
Residential	San Diego Gas & Electric	283,309,593	$195,797,550	$1.45
Commercial	San Diego Gas & Electric	62,092,414	74,826,037	0.83
Industrial	San Diego Gas & Electric	20,910,600	20,379,787	1.03
Agriculture	San Diego Gas & Electric	4,264,853	4,050,517	1.05
Unclassified	San Diego Gas & Electric	15,400,328	16,710,691	0.92
Total		385,977,788	$311,764,582	$1.24

Source: California Energy Commission, Assessments Division, Gas in Therms by County (Sacramento: computer printout, 1987).

(a) - A therm is defined as approximately 100 cubic feet of natural gas.

(b) - Expressed in 1986 dollars.

(c) - Calculated as sales divided by revenue. Expressed in 1986 dollars.

Table 4-20

Land Use in San Diego County, 1977 and 1979

Land Use	Amount of Land: Hectares	Amount of Land: Acres	Percent
Agriculture	54,549	134,690	4.9
Native Classes (a)	952,231	2,351,188	86.2
Urban Residential	53,624	132,405	4.9
Urban Commercial	9,407	23,227	0.9
Urban Industrial	5,518	13,625	0.5
Urban Vacant	28,113	69,416	2.5
Urban Unspecified	0	0	0.0
Recreational Residential	671	1,656	0.1
Recreational Commercial	37	91	0.0
Recreational Vehicle and Camp Site	505	1,248	0.0
Total	1,104,656	2,727,546	100.0

Source: California Department of Water Resources, Land Use in Acres, County Summary (Sacramento: 1977 and 1979).

(a) - Includes native vegetation, riparian vegetation, water surface, barren and wasteland, and unsegrated native classes.

Table 4-21

Acreage Owned/Leased by the Federal Government
San Diego County, 1986

	Hectares	Acres	Percent of Total
Total	297,294.3	734,059.9	100.0
Owned	271,593.2	670,600.6	91.4
Leased	25,701.0	63,459.3	8.6
Urban	79,112.0	195,354.6	26.6
Owned	79,062.3	195,215.6	26.6
Leased	49.7	139.0	0.0
Rural	218,175.6	538,705.3	73.4
Owned	192,530.9	475,385.0	64.8
Leased	25,644.7	63,320.3	8.6
Military	107,601.4	265,682.4	36.2
Owned	81,960.1	202,370.6	27.6
Leased	25,641.3	63,311.8	8.6
Nonmilitary	189,692.9	468,377.5	63.8
Owned	189,633.2	468,230.0	63.8
Leased	59.7	147.5	0.0

Source: General Services Administration (Washington D.C.: computer printout, microfiche, 1987).

Table 4-22

Farms in San Diego County 1969, 1974, 1978, and 1982

Characteristic	1969	1974	1978	1982
Number of Farms	4,081	3,829	5,085	6,180
Land in Farms				
Hectares	249,331.4	278,254.0	255,374.8	252,933.8
(Acres)	(615,633)	(687,047)	(630,555)	(624,528)
Average Farm Size				
Hectares	61.2	72.5	50.2	40.9
(Acres)	(151)	(179)	(124)	(101)
Percent of County Land in Farms	22.6	25.2	23.1	23.2
Percent of California Land in Farms	1.7	2.1	1.9	1.9
Percent of Total Farms in California	5.2	5.7	6.2	7.5

Source: U.S. Department of Commerce, Bureau of the Census, 1974 and 1982 Census of Agriculture, vol. 1, part 5.

4.10 Characteristics of Other Marine Activities

4.10.1 Port Capacity and Marine Traffic

A harbor is an area along the coast which may provide protection and shelter to ocean-going vessels. Some harbors, large and deep enough to support heavy boat traffic and in the vicinity of a city or town, contain a collection of terminal or port facilities. These harbors are sometimes called ports and may or may not contain the name of its affiliated city. Other harbors are simply coves, where boaters may find limited protection from a storm. Port facilities may exist that allow for the loading and off-loading of goods but do not provide a shelter for vessels. Temporary and permanent mooring accommodations for vessels may also be provided.

San Diego Bay, located 19 kilometers (10 nautical miles) northwest of the United States/Mexican border, is considered to be one of the finest natural harbors in the world, and offers protection to all vessel types in any weather. A low, narrow sandspit separates the bay from the ocean. The city of San Diego is located on the northeast shore of the bay. National City and Chula Vista are located on the southeast shore of the bay, south of San Diego. Coronado, a small residential and resort city, is located on the sandspit opposite the city of San Diego. North Island, the filled northwest end of the sandspit on the east side of the bay entrance, is the site of the U.S. Naval Air Station, San Diego. The U.S. Naval Amphibious Base is located south of Coronado on the sandspit (Pacific Boating Almanac, 1983).

San Diego Harbor, under the jurisdiction of the San Diego Unified Port District, is part of the San Diego Bay tidelands. The area of the tidelands includes approximately 6,056 hectares (14,951 acres) of filled and submerged land, and 87 kilometers (54 miles) of shoreline. The Port District is only one of several governmental agencies which has proprietary interest in the tidelands. The federal government (military), California, San Diego County, the cities of San Diego and Coronado, and the Unified Port District all have ownership or control over some portion of the San Diego Bay tidelands. Ownership of the tidelands by agency, and ownership of the shoreline by agency, are presented in Table 4-23. California owns the majority of the tidelands, 43.5 percent of the total, while the Unified Port District owns the majority of the shoreline, 61.3 percent. The federal government owns 19.6 percent of the tidelands and 36.8 percent of the shoreline (San Diego Unified Port District Planning Department, 1980).

San Diego Harbor is a major port for international and intercoastal shipping. In 1980, 2.2 million tons of freight passed through the port (see Table 4-24). In 1984, this amount decreased to 1.8 million tons. The top ten major commodities shipped in 1980 were residual fuel oil, wheat, copper ore and concentrates, phosphatic chemical fertilizers, lumber, iron and steel scrap, forest products, building cement, jet fuel, and aircraft and parts. In 1984, the top ten commodities shipped were building cement, lumber, copper ore and concentrates, sand, gravel and crushed rock, iron and steel scrap, potassic chemical fertilizers, clay, wheat, crude petroleum, and forest products. Vessel traffic for San Diego Harbor from 1971 to 1984 is presented in Figure 4-13. Vessel

Table 4-23

San Diego Bay Tidelands and San Diego Bay Shorline, by Ownership, 1980

San Diego Bay Tidelands

Owner	Land			Water			Total		
	Hectares	Acres	Percent	Hectares	Acres	Percent	Hectares	Acres	Percent
Federal (military)	762	1,882	42.6	425	1,050	10.0	1,187	2,932	19.6
State of California	5	12	0.3	2,628	6,490	61.6	2,633	6,502	43.5
County and City	14	34	0.8	0	0	0.0	14	34	0.2
Unified Port District	1,009	2,491	56.4	1,212	2,992	28.4	2,221	5,483	36.7
Total	1,790	4,419	100.0	4,265	10,532	100.0	6,055	14,951	100.0

San Diego Bay Shoreline
(length)

Owner	Kilo-meters	Miles	Percent
Federal (military)	1	0.45	0.8
State of California	1	0.48	0.9
County and City	32	19.98	37.0
Unified Port District	53	33.10	61.3
Total	86	54.01	100.0

Source: San Diego Unified Port District Planning Department, Port Master Plan (San Diego: 1980).

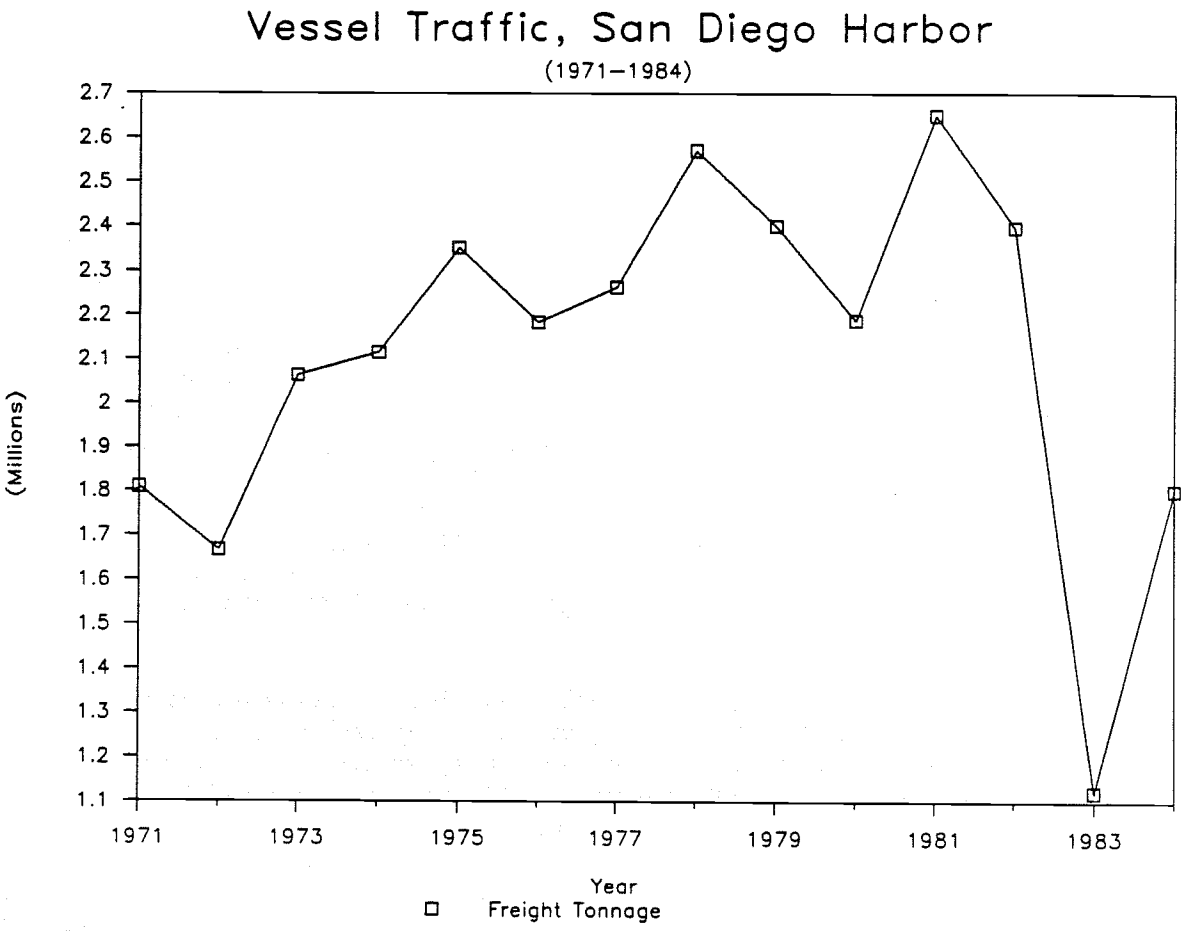
Table 4-24

Top Ten Freight Traffic Commodities, San Diego Harbor, 1980 and 1984

1980			1984		
Commodity	Freight Traffic (in short tons)	Percent of Total	Commodity	Freight Traffic (in short tons)	Percent of Total
Total	2,188,859	100.0%	Total	1,803,821	100.0%
Residual Fuel Oil	330,406	15.1	Building Cement	349,553	19.4
Wheat	249,319	11.4	Lumber	286,091	15.9
Copper Ore and Concentrates	243,857	11.1	Copper Ore and Concentrates	239,224	13.3
Phosphatic Chemical Fertilizers	233,742	10.7	Sand, Gravel, and Crushed Rock	198,900	11.0
Lumber	156,972	7.2	Iron and Steel Scrap	128,013	7.1
Iron and Steel Scrap	135,156	6.2	Potassic Chemical Fertilizers	108,400	6.0
Forest Products, Not Elsewhere Classified	131,006	6.0	Clay	78,000	4.3
			Wheat	72,407	4.0
Building Cement	108,782	5.0	Crude Petroleum	51,111	2.8
Jet Fuel	100,618	4.6	Forest Products, Not Elsewhere Classified	49,780	2.8
Aircraft and Parts	99,006	4.5			

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, pt. 4, 1980 and 1984.

Figure 4-13



Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, pt. 4, 1980 and 1984.

traffic through the harbor was greatest in 1981, over 2.6 million tons, before dropping off sharply in 1983 to the lowest tonnage (about 1.1 million tons) of freight passing through the harbor during this 14-year period.

Port facilities for ocean-going, deep-draft vessels are located at the Tenth Avenue Marine Terminal, and at the National City Marine Terminal. Facilities at the Tenth Avenue Marine Terminal include 1,305 meters (4,348 feet) of usable berthing space, 36,040 square meters (387,528 square feet) of cargo space, and 44,175 square meters (475,000 square feet) of storage space. Railroad tracks from the Santa Fe Railroad, and the Atchison, Topeka, and Santa Fe Railroad provide shippers with access to Berths 3 through 8, the transit sheds, and the warehouses. Berths 1 and 2, located on the north side of the complex, are used for the receipt of general trade items and petroleum products. The oil handling and oil bunkering storage tanks have a capacity of 165,000 barrels. Berths 3 through 6, located on the west side of the complex, are used primarily for the loading and off-loading of general cargo. Berths 7 and 8, located on the south side of the complex, are used mainly for the loading of bulk export cargoes (San Diego Unified Port District Planning Department, 1980).

Facilities available at the National City Marine Terminal include about 800 meters (2,400 feet) of berthing space along two wharves, 3,750 square meters (40,320 square feet) of covered cargo space, and a warehouse with 6,138 square meters (66,000 square feet) of storage space. The north wharf is used primarily for the shipment of scrap metal and the receipt of petroleum products, including fuel oil for the San Diego Gas and Electric Company. A fuel oil storage farm is located at the lumber yards situated behind the marine terminal. The west wharf is used primarily for loading and off-loading of container and bulk cargo. Plans for expansion of the wharf space at the National City Marine Terminal could increase berthing space to about 2,340 meters (7,800 feet) (San Diego Unified Port District Planning Department, 1980).

Shipbuilding and repair facilities are available in San Diego Harbor for all types of repair work. The largest floating drydock has a lifting capacity of 25,000 tons. The largest marine railway can hoist vessels weighing up to 1,400 tons (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1987).

Small-craft facilities are found in several locations in San Diego Harbor. Shelter Island, located across the channel from North Island, contains two small-craft basins. Shelter Island Yacht Basin, located on the south side of the island, is considered to be the most important small-craft basin in the bay area. The basin has several large marinas and yacht clubs, and can accommodate more than 1,945 vessels at piers, floats, or moorings. Overnight berths for transients are available at the basin as are fueling facilities and marine supplies. The Harbor Police operates from the Shelter Island Yacht Basin on a 24-hour basis. Commercial Basin, the other facility located on Shelter Island, is on the north side of the island. The basin has accommodations for over 800 vessels, and is home port for many of the commercial fishing vessels which operate out of San Diego Harbor. Fuel facilities and marine

supplies are available at Commercial Basin. The repair facilities at the basin, which include a marine railway capable of handling craft up to 800 tons, are able to perform all kinds of repairs to small craft (Pacific Boating Almanac, 1983).

Other small-craft facilities are found on Harbor Island, located 1.0 kilometer (0.5 nautical miles) northeast of Shelter Island, on the northern most part of the bay. Harbor Island West Basin has berthing and mooring accommodations for almost 1,700 vessels. Marinas, shops, and restaurants are found along the shore of the basin. Glorietta Bay, located south of Coronado, also has port facilities for small-craft. The bay contains a yacht club and a marina with berthing accommodations for over 275 small-craft. Fuel facilities and marine supplies are also available on the bay. A launching ramp and trailer parking facilities are available at the Chula Vista Small Boat Basin, located on the east side of the bay near the head of South San Diego Bay (Pacific Boating Almanac, 1983).

Marine facilities can also be found at several other locations along the San Diego County coastline. Mission Bay, located north of San Diego Harbor, is a small-craft harbor used mainly by recreational boaters and administered by the city of San Diego. Temporary mooring facilities are found at Quivira Basin and Mariners Basin, two basins in the bay area. Repair facilities at Quivira Basin include a lift for handling craft up to 15 meters (45 feet) long, and for engines and hulls weighing up to 10 tons. Larger craft must use the repair facilities at San Diego Harbor. Fuel facilities, marine supplies, and launching ramps are also available in the bay (Pacific Boating Almanac, 1983).

Further north along the coast, just south of the Camp Pendleton Marine Corps Base, is the city of Oceanside. Oceanside Harbor, located just north of the city, is a small-craft harbor administered by the Oceanside Harbor District. The harbor, which has accommodations for about 800 small vessels, shares a common entrance with the Del Mar Boat Basin. The Del Mar Boat Basin, part of Camp Pendleton, is a restricted area. Fuel facilities, water, ice, and marine supplies are available in the harbor area. A repair facility, located just north of Oceanside Harbor, has a mobile lift which can handle vessels up to 13 meters (42 feet) in length and up to 14 tons (Pacific Boating Almanac, 1983). There are several other places in San Diego County where commercial fishing vessels may land for off-loading of fish. These are discussed in Section 4.10.2.

4.10.2 Commercial Fishing Activities

The largest port facility for commercial fishing activity in San Diego County is San Diego. Other ports in the county are Cardiff, Carlsbad, Chula Vista, Coronado, Del Mar, El Cajon, Encinitas, Escondido, La Jolla, Leucadia, Mission Bay, Mission Beach, National City, Niland, Ocean Beach, Oceanside, Palo Verde, Point Loma, and Santee. Landings, by weight (1980 to 1985) and value (1980 and 1985), of major species for San Diego are provided in Table 4-25. Summary statistics by major species, for San Diego, 1980 and 1985, are provided in Table 4-26. Landings, by weight (1980 to 1985), of major species, for all other ports in the county are

Table 4-25

Landings, by Weight (1980 to 1985) and Value (1980 and 1985), of Major Species, San Diego, San Diego County

Major Species	Weight of Landings (Pounds) 1980	1981	1982	1983	1984	1985	Average Weight 1980 to 1985	Value of Landings (in 1986 dollars) 1980	1985
Crustaceans									
Crab, Lobster and Crayfish	214,789	351,261	343,667	401,596	237,271	241,973	298,426.2	668,836	786,550
Shrimp and Prawns	549	31	0	0	993	8,428	1,666.8	2,297	30,284
Flatfish	48,913	40,955	35,578	50,498	65,069	94,116	55,854.8	94,805	174,597
Hake and Cod	0	72	0	3	20	0	15.8	0	0
Herring and Anchovy	458	3,771	0	3,733	767	0	1,454.8	174	0
Lingcod	2,206	8,237	2,184	2,261	961	5,441	3,548.3	976	3,335
Marine Plants	0	0	0	10	10	110	21.7	0	71
Mollusk	99,931	118,801	79,060	54,181	45,403	30,904	71,380.0	247,760	116,905
Other - Fish	1,187,360	1,216,346	1,015,248	1,135,987	1,467,836	1,470,533	1,248,885.0	2,063,837	3,191,600
- Invertebrates	2,084,090	2,318,490	2,036,310	1,744,060	752,355	625,932	2,842,424.5	332,327	168,165
- Vertebrates	0	0	0	473	307	270	1,593,714.5	0	1800.81
Rockfish	1,072,168	1,601,055	1,649,956	1,624,150	1,479,502	1,779,124	1,534,325.8	653,135	911,891
Sablefish	140,449	32,680	113,266	2,651	1,926	8,381	49,892.2	40,389	4,963
Salmon	38	0	272	0	83	0	65.5	73	0
Sanddab	1,646	1,579	4,065	1,575	16,824	25,775	8,577.3	2,427	26,350
Shark, Skates and Ray	644,955	924,793	1,337,714	806,702	659,671	691,731	844,261.0	539,549	733,033
Smelt	0	0	0	0	0	0	0.0	0	0
Tuna	196,127,110	152,670,885	105,372,641	78,788,684	38,841,682	1,141,987	95,490,498.2	142,888,848	627,360
Subtotal: Finfish (a)	199,225,303	157,602,517	110,551,986	83,024,317	41,818,860	4,372,487	99,432,578.3	144,552,705	2,649,694
Total	201,624,662	159,288,956	111,989,961	84,616,564	43,570,680	6,124,705	101,202,588.0	$147,535,434	$6,776,905

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna and other fish.

Table 4-26

Commercial Fishing Summary by Major Species, San Diego, San Diego County, 1980 to 1985 (a)

Major Species	1980 Percent of Total Pounds	1980 Percent of Total Value of Landings	1980 Unit Price	1985 Percent of Total Pounds	1985 Percent of Total Value of Landings	1985 Unit Price
Crustaceans						
Crab, Lobster and Crayfish	0.1	0.5	$3.11	4.0	11.6	$3.25
Shrimp and Prawns	0.0	0.0	4.18	0.1	0.4	3.59
Flatfish	0.0	0.1	1.94	1.5	2.6	1.86
Hake and Cod	0.0	0.0	0.00	0.0	0.0	0.00
Herring and Anchovy	0.0	0.0	0.38	0.0	0.0	0.00
Lingcod	0.0	0.0	0.44	0.1	0.0	0.61
Marine Plants	0.0	0.0	0.00	0.0	0.0	0.00
Mollusk	0.0	0.2	2.48	0.5	1.7	3.78
Other - Fish	0.6	1.4	1.74	24.0	47.1	2.17
- Invertebrates	1.0	0.2	0.16	10.2	2.5	0.27
- Vertebrates	0.0	0.0	0.00	0.0	0.0	0.00
Rockfish	0.5	0.4	0.61	29.0	13.5	0.51
Sablefish	0.1	0.0	0.29	0.1	0.1	0.59
Salmon	0.0	0.0	1.93	0.0	0.0	0.00
Sanddab	0.0	0.0	1.47	0.4	0.4	1.02
Shark, Skates and Ray	0.3	0.4	0.84	11.3	10.8	1.06
Smelt	0.0	0.0	0.00	0.0	0.0	0.00
Tuna	97.3	96.9	0.73	18.6	9.3	0.55
Subtotal: Finfish (b)	98.8	98.0	0.73	71.4	39.1	0.61
Total	100.0	100.0	$0.73	100.0	100.0	$1.11

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - See Table 4-25 for total pounds and total value of landings. Unit price is expressed in 1986 dollars.

(b) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna, and other fish.

in Table 4-27. Summary statistics by major species, for all other ports in the county, 1980 and 1985, are presented in Table 4-28.

In 1980, landings in San Diego totaled 201.6 million pounds and accounted for 99.9 percent of the total landings for the county. In 1985, landings in San Diego were slightly over 6.1 million pounds, or 96.1 percent of the total landings for the county. Combined landings for all other ports in 1980 was 0.2 million pounds. The total landings for these ports was over 0.2 million pounds in 1985. The value of landings in San Diego was $146.9 million in 1980 and slightly over $6.0 million in 1985. The value of landings is not available for the smaller ports.

In 1980, tuna accounted for the largest percent of landings by weight in San Diego with 97.3 percent of the total (see Table 4-26). In 1985, the species with the largest percent of landings by weight in San Diego was rockfish, with 29.0 percent of the total. The other major species with landings by weight of 10 percent or more of the total in 1985 were "other" fish (24.0 percent), tuna (18.6 percent), shark, skates and ray (11.3 percent), and "other" invertebrates (10.2 percent). Of the total value of landings in San Diego, tuna accounted for 97.3 percent in 1980. In 1985, the major species with a value of landings of 10 percent or more of the total was "other" invertebrates, with 52.5 percent of the total. The other major species with a value of landings of 10 percent or more of the total in 1985 were rockfish (15.1 percent), shark, skates and ray (12.2 percent), and tuna (10.4 percent).

For all other ports in San Diego County, the major species of landings by weight in both 1980 and 1985 was crab, lobster and crayfish, with 31.2 percent of the total, and 27.4 percent of the total, respectively (see Table 4-28). The other major species with landings of 10 percent or more of the total weight, in 1980, were rockfish (18.4 percent), flatfish (17.9 percent), and shark, skates and ray (15.8 percent). In 1985, the other major species with landings of 10 percent or more of the total weight were flatfish (17.0 percent), shark, skates and ray (16.6 percent), "other" fish (15.5 percent), and rockfish (14.3 percent). A list of fish included in each major species is provided in Table DS 4-20.

4.10.3 Recreational Fishing Activities

Marine recreational fishing statistics for 1980 and 1985 are presented in Tables 4-29, 4-30, 4-31, and 4-32. These are based on the annual estimates of marine recreational fishing activity by the National Marine Fisheries Service (NMFS). The statistics in these four tables cover the NMFS defined area of southern California which includes the following six coastal counties: San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego. The annual estimates are prepared based on combined telephone/interview surveys conducted for six 2-month periods beginning in January and ending in December of each year. Data collected in the interview survey include: fishing mode; residence of participant; area of fishing; avidness of fishermen; and amount, weight and length, by species, of catch. Data collected in the telephone survey cover presence of marine recreational fishermen in household, number of fishermen per household, number of fishing trips in a 2-month period, location of each

Table 4-27

Landings, by Weight (1980 to 1985) and Value (1980 and 1985), of Major Species, Other Ports, San Diego County

Major Species	Weight of Landings (Pounds) 1980	1981	1982	1983	1984	1985	Average Weight 1980 to 1985	Value of Landings (in 1986 dollars) 1980	1985
Crustaceans									
Crab, Lobster and Crayfish	67,623	88,305	35,347	30,324	45,918	68,166	55,947.2	NA	NA
Shrimp and Prawns	723	772	25	0	37	99	276.0	NA	NA
Flatfish	38,780	8,539	6,013	5,202	37,267	42,217	23,003.0	NA	NA
Hake and Cod	0	0	0	0	3	0	0.5	NA	NA
Herring and Anchovy	0	0	0	0	0	0	0.0	NA	NA
Lingcod	38	7	932	40	86	122	204.2	NA	NA
Marine Plants	0	0	0	100	0	320	70.0	NA	NA
Mollusk	879	35	883	391	87	42	386.2	NA	NA
Other - Fish	19,040	10,038	11,135	12,384	20,514	38,586	18,616.2	NA	NA
- Invertebrates	0	2,500	9,905	50,520	7,797	9,745	13,411.2	NA	NA
- Vertebrates	0	0	0	510	670	368	258.0	NA	NA
Rockfish	39,994	46,908	70,774	30,864	40,132	35,506	44,029.7	NA	NA
Sablefish	0	0	72	21	91	503	114.5	NA	NA
Salmon	0	0	0	0	552	0	92.0	NA	NA
Sanddab	0	8	10	0	43	340	66.8	NA	NA
Shark, Skates and Ray	34,371	26,540	39,164	22,036	66,913	41,345	38,394.8	NA	NA
Smelt	0	652	0	0	0	0	108.7	NA	NA
Tuna	15,532	8,276	3,220	4,529	14,764	11,365	9,614.3	NA	NA
Subtotal: Finfish (a)	147,755	93,430	130,090	113,212	167,648	141,143	132,213.0	NA	NA
Total	216,980	192,580	177,480	156,921	234,874	248,724	204,593.2	NA	NA

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna and other fish.

NA - Not available.

Table 4-28

Commercial Fishing Summary by Major Species, Other Ports, San Diego County, 1980 to 1985 (a)

Major Species	1980 Percent of Total Pounds	1980 Percent of Total Value of Landings	1980 Unit Price	1985 Percent of Total Pounds	1985 Percent of Total Value of Landings	1985 Unit Price
Crustaceans						
Crab, Lobster and Crayfish	31.2	NA	NA	27.4	NA	NA
Shrimp and Prawns	0.3	NA	NA	0.0	NA	NA
Flatfish	17.9	NA	NA	17.0	NA	NA
Hake and Cod	0.0	NA	NA	0.0	NA	NA
Herring and Anchovy	0.0	NA	NA	0.0	NA	NA
Lingcod	0.0	NA	NA	0.0	NA	NA
Marine Plants	0.0	NA	NA	0.1	NA	NA
Mollusk	0.4	NA	NA	0.0	NA	NA
Other - Fish	8.8	NA	NA	15.5	NA	NA
- Invertebrates	0.0	NA	NA	3.9	NA	NA
- Vertebrates	0.0	NA	NA	0.1	NA	NA
Rockfish	18.4	NA	NA	14.3	NA	NA
Sablefish	0.0	NA	NA	0.2	NA	NA
Salmon	0.0	NA	NA	0.0	NA	NA
Sanddab	0.0	NA	NA	0.1	NA	NA
Shark, Skates and Ray	15.8	NA	NA	16.6	NA	NA
Smelt	0.0	NA	NA	0.0	NA	NA
Tuna	7.2	NA	NA	4.6	NA	NA
Subtotal: Finfish (b)	68.1	NA	NA	56.7	NA	NA
Total	100.0	NA	NA	100.0	NA	NA

Source: California Department of Fish and Game (Sacramento: computer printout, 1987).

(a) - See Table 4-27 for total pounds and total value of landings. Unit price is expressed in 1986 dollars.

(b) - Finfish includes: flatfish, hake, cod, herring, anchovy, lingcod, rockfish, sablefish, salmon, sanddab, shark, skates, ray, smelt, tuna, and other fish.

NA - Not available.

Table 4-29

Estimated Number of Participants in Marine Recreational Fishing, Southern California (a), 1980 and 1985

Residence of Participant	1980 Number	1980 Percent of Total	1985 Number	1985 Percent of Total
Coastal (b)	1,710,000	71.0	994,000	71.6
Non-Coastal (c)	91,000	3.8	50,000	3.6
Out-of-State (d)	607,000	25.2	344,000	24.8
Total	2,408,000	100.0	1,388,000	100.0

Source: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

(a) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

(b) - Coastal resident: fisherman who lived within 25 miles of the coast of one of the six coastal counties included in Southern California and included in the telephone/interview survey used to develop these estimates.

(c) - Non-coastal resident: fisherman who lived in California but in a county not included in the survey.

(d) - Out-of-State resident: fisherman who lived in a state other than California.

Table 4-30

Estimated Number of Fishing Trips by Marine Recreational Fishermen, by Mode of Fishing and Residence of Participant, Southern California (a), 1980 and 1985

(Thousands of Trips)

	1980								1985							
Mode	Coastal(b)	Percent of Total	Non-Coastal(c)	Percent of Total	Out-of-State(d)	Percent of Total	Total	Percent of Total	Coastal	Percent of Total	Non-Coastal	Percent of Total	Out-of-State	Percent of Total	Total	Percent of Total
Man-Made (e)	2,700	30.2	59	0.7	203	2.3	2,962	33.1	1,284	24.3	27	0.5	104	2.0	1,415	26.8
Beach/Bank	1,540	17.2	45	0.5	160	1.8	1,745	19.5	654	12.4	21	0.4	68	1.3	743	14.1
Party/Charter (f)	1,392	15.6	33	0.4	274	3.1	1,699	19.0	947	17.9	19	0.4	186	3.5	1,152	21.8
Private/Rental (g)	2,371	26.5	53	0.6	116	1.3	2,540	28.4	1,826	34.6	43	0.8	98	1.9	1,967	37.3
Total	8,003	89.5	190	2.1	753	8.4	8,946	100.0	4,711	89.3	110	2.1	456	8.6	5,277	100.0

Source: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

(a) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

(b) - Coastal resident: fisherman who lived within 25 miles of the coast of one of the six coastal counties included in Southern California and included in the telephone/interview survey used to develop these estimates.

(c) - Non-coastal resident: fisherman who lived in California but in a county not included in the survey.

(d) - Out-of-State resident: fisherman who lived in a state other than California.

(e) - Man-Made structures include piers, docks, jetties, breakwaters, breachways, bridges and causeways.

(f) - Party/Charter covers party boats and charter boats.

Table 4-31

Estimated Number of Fish Caught, by Area and Mode of Fishing, Southern California (a), 1980 and 1985

(Thousands)

	1980										1985									
ea	Man-Made(b)	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter(c)	Percent of Total	Private/ Rental(d)	Percent of Total	Total	Percent of Total	Man-Made	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter	Percent of Total	Private/ Rental	Percent of Total	Total	Percent of Total
ean 5 Kilometers or Less (e)	8,515	19.6	2,792	6.4	8,704	20.0	14,328	32.9	34,339	78.9	3,019	10.9	936	3.4	7,390	26.8	7,197	26.1	18,542	67.2
ean More Than 5 Kilometers	0	0.0	0	0.0	3,311	7.6	2,449	5.6	5,760	13.2	0	0.0	0	0.0	3,488	12.6	2,617	9.5	6,105	22.1
land (f)	729	1.7	356	0.8	8	0.0	1,212	2.8	2,305	5.3	386	1.4	71	0.3	10	0.0	1,961	7.1	2,428	8.8
defined (g)	75	0.2	57	0.1	566	1.3	396	0.9	1,094	2.5	0	0.0	8	0.0	436	1.6	89	0.3	533	1.9
l Areas	9,319	21.4	3,205	7.4	12,589	28.9	18,385	42.3	43,498	100.0	3,405	12.3	1,015	3.7	11,324	41.0	11,864	43.0	27,608	100.0

urce: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, San Diego counties.

) - Man-made structures include piers, docks, jetties, breakwaters, breachways, bridges, and causeways.

) - Party/Charter covers party boats and charter boats.

) - Private/Rental covers private boats and rental boats.

) - Ocean is divided into two categories: 5 kilometers or less from shore (Territorial Sea) and more than 5 kilometers from shore (Fishing Conservation Zone). Not included are sounds, inlets, rivers, bays, etc.

) - Inland is other bodies of saltwater besides the ocean. It includes sounds, inlets, tidal portions of rivers, bays, estuaries and other areas of salt or brackish water.

) - This category includes missing data on area, and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "distance from shore".

Table 4-32

Estimated Weight of Fish Caught (Catch Type A) (a), by Area and Mode of Fishing, Southern California (b), 1980 and 1985

(Thousands of Pounds)

rea	1980 Man-Made(c)	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter(d)	Percent of Total	Private/ Rental(e)	Percent of Total	Total	Percent of Total	1985 Man-Made	Percent of Total	Beach/ Bank	Percent of Total	Party/ Charter	Percent of Total	Private/ Rental	Percent of Total	Total	Percent of Total
cean 5 Kilometers or Less (f)	2,132	7.2	944	3.2	8,743	29.5	8,704	29.3	20,523	69.2	377	2.7	357	2.6	2,908	21.1	3,424	24.9	7,066	51.3
cean More Than 5 Kilometers	0	0.0	0	0.0	5,090	17.2	2,178	7.3	7,269	24.5	0	0.0	0	0.0	3,675	26.7	2,119	15.4	5,794	42.1
nland (g)	110	0.4	108	0.4	9	0.0	608	2.1	836	2.8	75	0.5	11	0.1	4	0.0	496	3.6	586	4.3
ndefined (h)	13	0.0	15	0.1	686	2.3	326	1.1	1,041	3.5	0	0.0	0	0.0	309	2.2	20	0.1	328	2.4
l Areas	2,255	7.6	1,067	3.6	14,528	49.0	11,817	39.8	29,667	100.0	452	3.3	368	2.7	6,896	50.1	6,058	44.0	13,774	100.0

ource: Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Report Nos. 8321 and 8328 (Washington, D.C.: 1984 and 1986).

) - Catch Type A are fish that were caught, landed whole and available for identification by the interviewer.

) - Southern California includes San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange, and San Diego counties.

) - Man-made structures include piers, docks, jetties, breakwaters, breachways, bridges, and causeways.

) - Party/Charter covers party boats and charter boats.

) - Private/Rental covers private boats and rental boats.

) - Ocean is divided into two categories: 5 kilometers or less from shore (Territorial Sea) and more than 5 kilometers from shore (Fishing Conservation Zone). Not included are sounds, inlets, rivers, bays, etc.

) - Inland is other bodies of saltwater besides the ocean. It includes sounds, inlets, tidal portions of rivers, bays, estuaries and other areas of salt or brackish water.

) - This category includes missing data on area, and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "distance from shore".

trip, location of household, and type of place from which the trip occurred.

The number of participants in marine recreational fishing in southern California was estimated to be 2.41 million persons in 1980 and 1.39 million persons in 1985. The number of southern California coastal residents involved in marine recreational fishing was estimated to be 1.71 million in 1980 and 0.99 million in 1985. This accounted for 71.0 percent of the estimated total participants in 1980 and 71.6 percent of the estimated total participants in 1985 (see Table 4-29). A coastal resident is a fisherman who lives within 40 kilometers (25 miles) of the coast of one of the six coastal counties included in southern California and included in the telephone/interview survey used to develop these estimates. Non-coastal residents of California (including coastal residents from the nine northern California coastal counties) and out-of-state residents accounted for the remainder of participants. In 1980, California non-coastal residents were 3.8 percent of the estimated total and out-of-state residents were 25.2 percent, while in 1985, California non-coastal participation was 3.6 percent and out-of-state participation was 24.8 percent.

The estimated number of fishing trips by marine recreational fishermen, by mode of fishing and residence of participant, in southern California, for 1980 and 1985, is presented in Table 4-30. In 1980, the man-made mode of fishing accounted for the largest percent of total fishing trips (33.1 percent), and for the largest percent of fishing trips by coastal participants (30.2 percent of total trips). In 1985, the private/rental fishing mode accounted for the largest percent of total fishing trips (37.3 percent of total trips), and for the largest percent of total fishing trips by coastal participants (34.6 percent of total trips). In 1980, the most popular mode of fishing for non-coastal participants was the man-made mode (0.7 percent of total trips), while for out-of-state participants, the most popular mode of fishing was the party/charter mode (3.1 percent of total trips). In 1985, the most popular mode of fishing for non-coastal participants was the private/rental mode (0.8 percent of total trips), while for out-of-state participants, the most popular mode was the party/charter mode (3.5 percent of total trips).

The estimated number of fish caught by marine recreational fishermen in southern California, by area and mode of fishing, for 1980 and 1985, is presented in Table 4-31. An estimated 43.5 million fish were caught in 1980 and 27.6 million fish were caught in 1985. In 1980, 78.9 percent of the fish were caught on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/private-rental mode combination having the largest percent (32.9 percent of total fish caught). In 1985, 67.2 percent of the fish were caught on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/party-charter mode combination having the largest percent (26.8 percent of total fish caught). The major species caught, in terms of numbers of fish, was pacific mackerel (22.5 percent of total) in 1980, and chub mackerel (23.4 percent of total) in 1985. The other major species with catches of 10 percent or more of the total were rockfish (22.1 percent) and white croaker (15.1 percent), in 1980,

and rockfish (22.2 percent) and bass (20.2 percent), in 1985 (U.S. Department of Commerce, 1984 and 1986).

The estimated weight of fish caught by marine recreational fishermen in southern California, by area and mode of fishing, for 1980 and 1985, is presented in Table 4-32. The figures given are for those fish which are caught, landed whole, weighed, and available for identification (Catch Type A). The remainder of the fish caught but not weighed are used for bait, filleted, discarded dead, or released alive (Catch Type B). In 1980, 29.7 million pounds of fish (Catch Type A) were landed, while 13.8 million pounds were landed in 1985. Of the estimated total landings by weight in 1980, 69.2 percent were landed on the ocean within 5 kilometers (3 miles) of shore, with the ocean within 5 kilometers (3 miles) or less/party-charter mode combination accounting for the largest percent (29.5 percent of total weight). For 1985, 51.3 percent of total weight were landed on the ocean within 5 kilometers (3 miles) of shore, with the ocean more than 5 kilometers (3 miles)/party-charter mode combination accounting for 26.7 percent of the estimated total weight of catch. In both 1980 and 1985, the major species caught by weight, for Catch Type A, was rockfish with 36.5 percent of the total and 33.5 percent of the total, respectively. Other leading species with landings of 10 percent or more of the total weight were pacific mackerel (14.8 percent) and pacific bonito (14.3 percent), in 1980, and tuna (14.1 percent), bass (13.0 percent) and chub mackerel (11.0 percent) in 1985 (U.S. Department of Commerce, 1984 and 1986).

Table 4-33 summarizes recreational-for-hire boat fishing for the combined area of Dana Harbor, Orange County and Oceanside, San Diego County, for the years 1980 to 1985. Table 4-34 summarizes recreational-for-hire boat fishing for Imperial Beach, Mission Bay, and San Diego, San Diego County for 1980 to 1985. Recreational-for-hire boats include party boats and charter boats. During this 6-year period, the largest number of fish caught, for both areas, was in 1980. The number of angler days was greatest in 1985 for Imperial Beach/Mission Bay/San Diego, and in 1980 for Dana Harbor/Oceanside. The number of boats was greatest in 1982 for Dana Harbor/Oceanside, and in 1984 for Imperial Beach/Mission Bay/San Diego.

4.11 References for Table 4-1, Socioeconomic Profile of San Diego County

The references to Table 4-1, Socioeconomic Profile of San Diego County, 1970-2020, are listed at the end of this section. Table 4-35 is a key to the references. Table 4-35 uses a similar format to Table 4-1. Each data cell in the profile table has a corresponding cell in Table 4-35. The numbers in Table 4-35 refer to the numbered data sources in the list of references.

4.12 Data Supplement for San Diego County

Some of the information provided for the county is quite lengthy in nature. It has, therefore, been included in a data supplement at the end of this section. An index to the contents of the data supplement is provided on the first page of the data supplement.

Table 4-33

Recreational-for-Hire Boat Fishing Summary
Dana Harbor, Orange County and Oceanside, San Diego County, 1980 to 1985

Totals	1980	1981	1982	1983	1984	1985
Number of Fish Caught	520,122	398,375	295,859	266,348	242,463	217,069
Number of Angler Days	67,520	63,351	52,166	60,792	56,528	48,679
Number of Boats	15	17	20	19	17	17

Source: California Department of Fish and Game, computer printout (Sacramento: 1980 to 1985).

Table 4-34

Recreational-for-Hire Boat Fishing Summary
Imperial Beach, Mission Bay, and San Diego, San Diego County, 1980 to 1985

Totals	1980	1981	1982	1983	1984	1985
Number of Fish Caught	884,770	728,239	543,120	689,458	744,935	679,818
Number of Angler Days	129,752	142,088	121,176	142,756	161,094	163,036
Number of Boats	80	71	64	72	81	80

Source: California Department of Fish and Game, computer printout (Sacramento: 1980 to 1985).

Table 4-35

Key to the References for the Socioeconomic Profile of San Diego County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Population									
Total - July 1 for 1970-2020	1	1	1	2	2	2	2	2	2
Total - January 1 for 1975-2020, and April 1 for 1970	3	4	4	5	6	7	8	9	9
Carlsbad	3	4	4	5	6	7	8	9	9
Chula Vista	3	4	4	5	6	7	8	9	9
Coronado	3	4	4	5	6	7	8	9	9
Del Mar	3	4	4	5	6	7	8	9	9
El Cajon	3	4	4	5	6	7	8	9	9
Escondido	3	4	4	5	6	7	8	9	9
Imperial Beach	3	4	4	5	6	7	8	9	9
La Mesa	3	4	4	5	6	7	8	9	9
Lemon Grove	3	4	4	5	6	7	8	9	9
National City	3	4	4	5	6	7	8	9	9
Oceanside	3	4	4	5	6	7	8	9	9
Poway	3	4	4	5	6	7	8	9	9
San Diego	3	4	4	5	6	7	8	9	9
San Marcos	3	4	4	5	6	7	8	9	9
Santee	3	4	4	5	6	7	8	9	9
Vista	3	4	4	5	6	7	8	9	9
City Total	3	4	4	5	6	7	8	9	9
Unincorporated	3	4	4	5	6	7	8	9	9
Urban	10	52	10						
Rural	10	52	10						
Civilian	11	11	12	13	13	13	13	13	13
Density/Sq. Km.	14	14	14	15	15	15	15	15	15
(Density/Sq. Mi.)	14	14	14	15	15	15	15	15	15

Table 4-35 (Cont.)

Key to the References for the Socioeconomic Profile of San Diego County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Age									
Under 18	16	52	17	52	52	52	52	17	52
65 And Over	16	52	17	52	52	52	52	17	52
Median	16	52	17	52	52	52	52	17	52
Median Head of Household	18	52	19						
Households									
Number	20	52	21	52	52	52	52	21	52
Median Size	20	52	21	52	52	52	52	21	52
Education									
Median School Years Completed	22	52	23						
Civilian Labor Force									
Employment	24	26	26	26	26	26	26	26	
Employment Rate	24	26	26	26	26	26	26	26	
Unemployment	24	26	26	26	26	26	26	26	
Unemployment Rate	24	26	26	26	26	26	26	26	
Labor Force	24	26	26	26	26	26	26	26	
Place of Employment									
Inside County	27	52	28						
Outside County	27	52	28						
Employment Participation Ratio	25	52	25						

Table 4-35 (Cont.)

Key to the References for the Socioeconomic Profile of San Diego County, 1970-2020

Characteristic	1970	1975	1980	1981	1982	1983	1984	1985	1986
Income									
Total Personal	29	30	31	31	31	31	31		
Per Capita	32	32	32	32	32	32	32		
Median Household		53	54	55	56	57	58		
Housing									
Total Units	33	34	35	37	38	39	40	41	42
Year Round	33	52	36						
Seasonal	33	52	36						
Occupied	33	52	36						
Owner	33	52	36						
% Owner	33	52	36						
Renter	33	52	36						
% Renter	33	52	36						
Vacancy Rate	33	34	35	37	38	39	40	41	42
Miles of Public Roads	43	44	45	51	46	47	48	51	

Table 4-35 (Cont.)

Key to the References for the Socioeconomic Profile of San Diego County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Population							
Total - July 1 for 1970-2020	49	49	49	49	49	49	49
Total - January 1 for 1975-2020, and April 1 for 1970							
Carlsbad							
Chula Vista							
Coronado							
Del Mar							
El Cajon							
Escondido							
Imperial Beach							
La Mesa							
Lemon Grove							
National City							
Oceanside							
Poway							
San Diego							
San Marcos							
Santee							
Vista							
City Total							
Unincorporated							
Urban							
Rural							
Civilian							
Density/Sq. Km.	50	50	50	50	50	50	50
(Density/Sq. Mi.)	50	50	50	50	50	50	50

Table 4-35 (Cont.)

Key to the References for the Socioeconomic Profile of San Diego County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Age							
Under 18	17	17	17	52	52	52	17
65 And Over	17	17	17	52	52	52	17
Median	17	17	17	52	52	52	17
Median Head of Household							
Households							
Number	21	21	21				
Median Size	21	21	21				
Education							
Median School Years Completed							
Civilian Labor Force							
Employment							
Employment Rate							
Unemployment							
Unemployment Rate							
Labor Force							
Place of Employment							
Inside County							
Outside County							
Employment Participation Ratio							

Table 4-35 (Cont.)

Key to the References for the Socioeconomic Profile of San Diego County, 1970-2020

Characteristic	1990	1995	2000	2005	2010	2015	2020
Income							
Total Personal							
Per Capita							
Median Household							
Housing							
Total Units							
Year Round							
Seasonal							
Occupied							
Owner							
% Owner							
Renter							
% Renter							
Vacancy Rate							
Miles of Public Roads							

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

[1]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table B-3.

Note: Figures are as of July 1.

[2]California Department of Finance, Population Research Unit. 1987. State and County Population Estimates to July 1, 1986 (Provisional). Report 86 E-2. Sacramento. January. Table 3.

Note: Figures are as of July 1.

[3]U.S. Department of Commerce, Bureau of the Census. 1982. 1980 Census of Population, Characteristics of the Population, Chapter A - Number of Inhabitants. Washington, D.C. Table 5.

Note: Figures are as of April 1.

[4]California Department of Finance. 1984. Population Estimates for California Cities and Counties 1970 through 1980. Report E-4. June.

Note: Figures are as of January 1.

[5]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[6]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[7]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table B-4.

Note: Figure is as of January 1.

[8]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table B-4.

Note: Figures are as of January 1.

[9]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table B-4.

Note: Figures are as of January 1.

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

[10]U.S. Department of Commerce. Bureau of the Census. 1982. 1980 Census of Population, Characteristics of the Population, Chapter A-Number of Inhabitants. Washington, D.C. Table 3.

Note: Figures are as April 1.

[11]California Department of Finance. 1981. Total, Military and Civilian Population and Crude Rates. Sacramento.

[12]California Department of Finance, Population Research Unit. 1986. Annual Estimates of the Population of California Counties: July 1, 1980 to July 1, 1985 (Provisional). Report 85 E-2. Sacramento. Table 4.

Note: Figure is as of July 1.

[13]California Department of Finance, Population Research Unit. 1987. State and County Population Estimates to July 1, 1986 (Provisional). Report E-2. Sacramento. January. Table 4.

Note: Figures are as of July 1.

[14]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 1.

[15]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 2.

[16]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 46.

Note: Figures are as of April 1.

[17]California Department of Finance, Population Research Unit. 1983. Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83. Report 83-P-3. Sacramento. October.

Note: Figures are as of July 1.

[18]Computed from information provided in the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, Table 36.

Note: Figure is as of April 1.

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

[19]Computed from information provided in the U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population, Table 47.

Note: Figure is as of April 1.

[20]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 16.

Note: Figures are as of April 1.

[21]California Department of Finance, Population Research Unit. 1984. Household Projections for California Counties: 1980-2000. Report 84 P-2. Sacramento.

Note: Figures are as of July 1.

[22]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 43.

Note: Figure is for population 25 years old and over.

[23]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 175.

Note: Figure is for population 25 years old and over.

[24]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 121.

Note: Figures are for persons 16 years and over.

Employment: All civilians 16 years old and over who were (a) "at work" - those who did any work at all as paid employees or in their own business or profession, or on their own farm or in a family business; or (b) were "with a job but not at work"- those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Labor Force: Persons classified as employed and unemployed.

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

Unemployment: Persons are classified as unemployed if they were civilians 16 years old and over and: (a) were neither "at work" nor "with a job, but not at work" during the reference week, (b) were looking for work during the past 4 weeks, and (c) were available to accept a job.

[25]Computed as civilian labor force divided by total population 16 years and older.

[26]California Employment Development Department. 1986. Annual Planning Information, San Diego 1986-1987. Los Angeles. May.

Note: Figures represent the annual average and are bench marked to March 1985.

Employment: The number of civilian residents in a county or labor market area who during the survey week (the week including the 12th) did any work at all as paid employees, or in their own business or profession, or on their own farm, or who worked 15 hours or more as unpaid workers in a family enterprise. It includes those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, and personal reasons, whether or not they were paid for the time off. It also includes residents who commuted to jobs in other areas.

Labor Force: The sum of total civilian employment and unemployment.

Unemployment: All civilians who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work (except temporary illness) during the survey week. Also included as unemployed are those who did not work at all, but were available for work and (a) were waiting to be recalled to a job from which they had been laid off for a specific time; or (b) had a new job to go to within 30 days.

[27]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Population, General Social and Economic Characteristics. Part 6. Washington, D.C. Table 119.

Note: Figures are based on all workers. For San Diego County, this is 544,348 workers of whom 34,927 did not report their place of work.

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

[28]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Population, General Population Characteristics. Vol. 1, part 6. Washington, D.C. Table 174.

Note: Figures are based on all workers 16 years of age and over. For San Diego County, this is 853,666 workers of whom 63,162 did not report their place of work.

[29]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table D-5.

[30]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table D-5.

[31]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table D-5.

[32]Computed as total personal income divided by total population.

[33]U.S. Department of Commerce, Bureau of the Census. 1972. 1970 Census of Housing. Part 6. Washington, D.C. Table 60.

Note: Figures are as of April 1.

[34]California Department of Finance, Population Research Unit. 1975. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1 and is not adjusted to 1980 and later data.

[35]California Department of Finance, Population Research Unit. 1980. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of April 1.

[36]U.S. Department of Commerce, Bureau of the Census. 1983. 1980 Census of Housing, General Housing Characteristics. Part 6. Washington, D.C. Table 46.

[37]California Department of Finance, Population Research Unit. 1981. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

[38]California Department of Finance, Population Research Unit. 1982. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[39]California Department of Finance, Population Research Unit. 1983. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[40]California Department of Finance, Population Research Unit. 1984. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[41]California Department of Finance, Population Research Unit. 1985. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[42]California Department of Finance, Population Research Unit. 1986. Summary Report of Controlled Population and Housing Estimates for California Counties. Report E-5. Sacramento.

Note: Figure is as of January 1.

[43]California Department of Finance. 1971. California Statistical Abstract. Sacramento. Table J-4.

[44]California Department of Finance. 1976. California Statistical Abstract. Sacramento. Table J-4.

[45]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table J-3.

[46]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table J-3.

[47]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table J-3.

[48]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table J-3.

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

[49]California Department of Finance. 1986. Projected Total Population of California Counties, July 1, 1985 to July 1, 2020. Report 86 P-1. Sacramento. December.

Note: Figures are as of July 1.

[50]Computed from information provided in the California Department of Finance, 1985 California Statistical Abstract, Table A-1 and Reference 49.

[51]Gerald Delavan, California Department of Transportation, Data Sheets, March 1987.

[52]Estimated using a straight line projection.

[53]California Department of Finance. 1977. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[54]California Department of Finance. 1982. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[55]California Department of Finance. 1983. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[56]California Department of Finance. 1984. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

[57]California Department of Finance. 1985. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

REFERENCES FOR TABLE 4-1
SOCIOECONOMIC PROFILE OF SAN DIEGO COUNTY, 1970-2020

[58]California Department of Finance. 1986. California Statistical Abstract. Sacramento. Table D-4.

Note: Figure is for income year and is based on personal income tax statistics.

DATA SUPPLEMENT FOR SAN DIEGO COUNTY

DATA SUPPLEMENT FOR SAN DIEGO COUNTY

This data supplement contains the following tables:

Table DS 4-1 Year of Incorporation for San Diego County Cities

- Demographics

Table DS 4-2 Estimates of Total Population, San Diego County and its Cities, 1970-1986

Table DS 4-3 Persons by Age, San Diego County, 1970-2020

- Economics

Table DS 4-4 Projections of Employment in 1990 for San Diego County

Table DS 4-5 Total Personal Income and Earnings by Industry for San Diego County, 1970-2015

Table DS 4-6 Payroll for San Diego County, 1970-1984

Table DS 4-7 Industry Indicators for San Diego County, 1972-1982

Table DS 4-8 Number of Employees in San Diego County, 1970-1984

Table DS 4-9 Number of Establishments in San Diego County, 1970-1984

Table DS 4-10 Selected Agricultural Statistics for San Diego County, 1978-1985

- Housing

Table DS 4-11 Characteristics of the Housing Stock in San Diego County, 1975-1986

Table DS 4-12 Campground Inventory in San Diego County, 1986

- Public Services and Facilities

Table DS 4-13 Police and Fire Departments/Districts, San Diego County, 1987

DATA SUPPLEMENT FOR SAN DIEGO COUNTY (Cont.)

Table DS 4-14 State and Federal Large Water Systems, San Diego County, 1987

Table DS 4-15 Military Water Systems, San Diego County, 1987

Table DS 4-16 Enrollment by School District, by Grade, 1980-81 to 1985-86

Table DS 4-17 Military Airport Facilities, San Diego County, 1987

- Public Finance

Table DS 4-18 Government Finance for San Diego County and its Cities, Fiscal Years 1980 and 1985

Table DS 4-19 Government Finance: Supplementary Expenditures Information

- Fishing Activity

Table DS 4-20 Major Species of Fish

- GNP Implicit Price Deflator

Table DS 4-21 GNP Implicit Price Deflator

Table DS 4-1

Year of Incorporation of San Diego County Cities

City	Year of Incorporation
Carlsbad	1952
Chula Vista	1911
Coronado	1890
Del Mar	1959
El Cajon	1912
Encinitas	1986
Escondido	1888
Imperial Beach	1956
La Mesa	1912
Lemon Grove	1977
National City	1887
Oceanside	1888
Poway	1980
Solano Beach	1986
San Diego	1850
San Marcos	1963
Santee	1980
Vista	1963

Source: California Department of Finance. Data Sheets.

Table DS 4-2

Estimates of Total Population, San Diego County and its Cities 1970-1986 (a)

	San Diego County					Carlsbad				Chula Vista			
				Change from Previous July			Change from Previous January				Change from Previous January		
Year	January 1	April 1	July 1	Absolute	Percent	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970		1,357,854	1,367,200						14,944				67,901
1971	1,362,100		1,382,500	15,300	1.1	15,050				67,700			
1972	1,406,600		1,429,100	46,600	3.4	15,650	600	4.0		69,300	1,600	2.4	
1973	1,454,100		1,480,800	51,700	3.6	16,250	600	3.8		71,100	1,800	2.6	
1974	1,500,800		1,521,400	40,600	2.7	17,500	1,250	7.7		73,200	2,100	3.0	
1975	1,560,700		1,594,100	72,700	4.8	19,200	1,700	9.7		75,300	2,100	2.9	
1976	1,626,800		1,654,300	60,200	3.8	21,300	2,100	10.9		77,100	1,800	2.4	
1977	1,686,300		1,711,300	57,000	3.4	24,550	3,250	15.3		79,000	1,900	2.5	
1978	1,742,700		1,773,200	61,900	3.6	28,400	3,850	15.7		80,900	1,900	2.4	
1979	1,803,400		1,831,300	58,100	3.3	33,650	5,250	18.5		82,500	1,600	2.0	
1980	1,850,300	1,861,846	1,873,800	42,500	2.3	35,450	1,800	5.3	35,490	83,600	1,100	1.3	83,927
1981	1,899,900		1,927,500	53,700	2.9	35,600	150	0.4		84,400	800	1.0	
1982	1,944,900		1,975,200	47,700	2.5	37,650	2,050	5.8		86,600	2,200	2.6	
1983	1,988,600		2,018,300	43,100	2.2	39,200	1,550	4.1		88,000	1,400	1.6	
1984	2,041,400		2,072,600	54,300	2.7	40,650	1,450	3.7		89,000	1,000	1.1	
1985	2,102,500		2,130,200	57,600	2.8	44,950	4,300	10.6		91,200	2,200	2.5	
1986	2,166,200		2,205,900	75,700	3.6	48,850	3,900	8.7		116,300	25,100	27.5	

Table DS 4-2 (Cont.)

Estimates of Total Population, San Diego County and its Cities 1970-1986 (a)

	Coronado				Del Mar				Imperial Beach			
		Change from Previous January				Change from Previous January				Change from Previous January		
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970				20,020				3,956				20,244
1971	18,950				4,020				19,900			
1972	18,050	(900)	-4.7		4,230	210	5.2		19,950	50	0.3	
1973	17,150	(900)	-5.0		4,440	210	5.0		20,100	150	0.8	
1974	18,400	1,250	7.3		4,600	160	3.6		20,900	800	4.0	
1975	19,200	800	4.3		4,720	120	2.6		20,900	0	0.0	
1976	20,150	950	4.9		4,910	190	4.0		20,900	0	0.0	
1977	21,250	1,100	5.5		4,880	(30)	-0.6		20,750	(150)	-0.7	
1978	19,600	(1,650)	-7.8		5,075	195	4.0		20,950	200	1.0	
1979	20,400	800	4.1		5,050	(25)	-0.5		21,550	600	2.9	
1980	19,450	(950)	-4.7	16,859	5,025	(25)	-0.5	5,017	22,250	700	3.2	22,689
1981	19,300	(150)	-0.8		5,050	25	0.5		22,950	700	3.1	
1982	20,050	750	3.9		5,025	(25)	-0.5		23,500	550	2.4	
1983	19,950	(100)	-0.5		5,050	25	0.5		23,400	(100)	-0.4	
1984	19,650	(300)	-1.5		5,150	100	2.0		23,900	500	2.1	
1985	19,950	300	1.5		5,175	25	0.5		24,600	700	2.9	
1986	19,450	(500)	-2.5		5,100	(75)	-1.4		24,900	300	1.2	

Table DS 4-2 (Cont.)

Estimates of Total Population, San Diego County and its Cities 1970-1986 (a)

	National City				Oceanside				San Diego			
		Change from Previous January				Change from Previous January				Change from Previous January		
Year	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1	January 1	Absolute	Percent	April 1
1970				43,184				40,494				697,471
1971	42,050				41,750				697,300			
1972	41,750	(300)	-0.7		44,600	2,850	6.8		717,600	20,300	2.9	
1973	41,550	(200)	-0.5		47,600	3,000	6.7		739,400	21,800	3.0	
1974	43,000	1,450	3.5		51,400	3,800	8.0		750,900	11,500	1.6	
1975	43,700	700	1.6		54,800	3,400	6.6		771,200	20,300	2.7	
1976	46,400	2,700	6.2		59,700	4,900	8.9		793,100	21,900	2.8	
1977	48,050	1,650	3.6		62,900	3,200	5.4		813,000	19,900	2.5	
1978	50,600	2,550	5.3		66,100	3,200	5.1		825,500	12,500	1.5	
1979	49,250	(1,350)	-2.7		71,000	4,900	7.4		846,600	21,100	2.6	
1980	50,100	850	1.7	48,772	75,600	4,600	6.5	76,698	865,000	18,400	2.2	875,538
1981	52,800	2,700	5.4		78,200	2,600	3.4		887,700	22,700	2.6	
1982	54,600	1,800	3.4		82,500	4,300	5.5		901,200	13,500	1.5	
1983	53,500	(1,100)	-2.0		84,200	1,700	2.1		929,300	28,100	3.1	
1984	54,400	900	1.7		87,400	3,200	3.8		956,000	26,700	2.9	
1985	51,900	(2,500)	-4.6		92,600	5,200	5.9		979,800	23,800	2.5	
1986	55,400	3,500	6.7		96,600	4,000	4.3		1,002,900	23,100	2.4	

Table DS 4-2 (Cont.)

Estimates of Total Population, San Diego County and its Cities 1970-1986 (a)

	Unincorporated		
		Change from Previous January	
Year	January 1	Absolute	Percent
1970			
1971	295,800		
1972	307,600	11,800	4.0
1973	320,100	12,500	4.1
1974	338,000	17,900	5.6
1975	361,700	23,700	7.0
1976	383,900	22,200	6.1
1977	403,100	19,200	5.0
1978	401,200	(1,900)	-0.5
1979	420,200	19,000	4.7
1980	433,500	13,300	3.2
1981	373,100	(60,400)	-13.9
1982	377,800	4,700	1.3
1983	382,900	5,100	1.3
1984	396,000	13,100	3.4
1985	411,200	15,200	3.8
1986	406,800	(4,400)	-1.1

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1980, Characteristics of the Population, Number of Inhabitants.
California Department of Finance, California Statistical Abstract (Sacramento: 1982-1986).
California Department of Finance, Population Estimates for California Cities and Counties 1970 through 1980, Report 84 E-4 (Sacramento: June 1984).
California Department of Finance, State and County Population Estimates to July 1, 1986, Report 86 E-2 (Sacramento: January 1987).
California Department of Finance, Preliminary Intercensal Estimates of the Population of California State and Counties: 1970 to 1980, Report I 70-80 (Sacramento: March 1982).

(a) - Includes only those cities subject to the Coastal Zone Management Program, the county seat, and/or the county's largest city.

NA - Not available.

Table DS 4-3

Persons by Age, San Diego County

Age	1970 (a)		1980 (b)		1985 (b)		1990 (b)		1995 (b)		2000 (b)		2020 (b)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Under 5 Years	107,803	7.9	129,865	6.9	174,238	8.2	169,514	7.0	187,945	7.1	158,929	5.6	174,081	5.0
5 to 9	125,219	9.2	124,806	6.7	137,394	8.2	174,149	7.2	177,809	6.7	187,142	6.6	202,691	5.8
10 to 14	126,910	9.3	132,210	7.1	134,578	6.4	150,946	6.3	185,483	7.0	190,340	6.7	178,881	5.1
15 to 19	145,855	10.7	181,243	9.7	173,791	6.3	179,951	7.5	192,817	7.3	232,444	8.2	232,766	6.7
20 to 24	161,625	11.9	231,051	12.3	251,018	8.1	235,180	9.8	238,783	9.0	248,450	8.7	264,373	7.6
25 to 29	94,735	7.0	181,569	9.7	195,503	11.8	212,463	8.8	184,266	7.0	193,324	6.8	246,915	7.1
30 to 34	77,920	5.7	156,646	8.4	188,884	9.2	205,793	8.6	217,492	8.2	187,918	6.6	236,094	6.8
35 to 39	74,730	5.5	113,858	6.1	162,681	8.8	200,544	8.3	212,103	8.0	225,721	7.9	247,716	7.1
40 to 44	75,900	5.6	91,367	4.9	116,184	7.6	171,704	7.1	206,354	7.8	219,787	7.7	200,217	5.7
45 to 49	78,374	5.8	84,479	4.5	93,900	5.4	122,725	5.1	177,488	6.7	215,331	7.6	200,026	5.7
50 to 54	67,005	4.9	86,654	4.6	88,154	4.4	100,119	4.2	127,129	4.8	185,708	6.5	197,752	5.7
55 to 59	56,100	4.1	90,182	4.8	90,696	4.1	94,128	3.9	103,573	3.9	132,397	4.6	242,298	6.9
60 to 64	47,382	3.5	77,616	4.1	93,228	4.2	95,687	4.0	96,180	3.6	106,494	3.7	233,257	6.7
65 to 69	40,807	3.0	67,317	3.6	77,991	4.4	95,142	4.0	95,197	3.6	95,812	3.4	218,492	6.3
70 to 74	32,532	2.4	51,682	2.8	62,940	3.7	76,273	3.2	88,679	3.4	91,026	3.2	173,229	5.0
75 to 79	22,218	1.6	35,943	1.9	45,259	2.9	56,014	2.3	66,828	2.5	78,029	2.7	103,935	3.0
80 to 84	13,592	1.0	21,633	1.2	28,149	2.1	36,131	1.5	44,305	1.7	53,098	1.9	66,505	1.9
85 and over	9,147	0.7	16,671	0.9	21,284	1.3	28,253	1.2	37,052	1.4	47,024	1.7	75,183	2.2
Total Persons	1,357,854	100.0	1,874,792	100.0	2,135,872	100.0	2,404,716	100.0	2,639,483	100.0	2,848,974	100.0	3,494,411	100.0
Under 18	434,191	32.0	478,687	25.5	532,018	24.9	580,025	24.1	650,517	24.6	662,816	23.3	676,571	19.4
18 to 64	805,367	59.3	1,202,859	64.2	1,368,231	64.1	1,532,878	63.7	1,656,905	62.8	1,821,169	63.9	2,180,496	62.4
65 years and over	118,296	8.7	193,246	10.3	235,623	11.0	291,813	12.1	332,061	12.6	364,989	12.8	637,344	18.2
Median	25.6		28.7		30.0		32.1		33.5		35.6		39.2	

Source: U.S. Department of Commerce, Bureau of the Census, Census of Population: 1970, vol. 1, General Population Characteristics, part 6.

California Department of Finance, Population Projections for California Counties 1980-2020 with Age/Sex Detail to 2020, Baseline 83 (Sacramento: October 1983), Report 83-P-3.

(a) - As of April 1.

Table DS 4-4

Projections of Employment in 1990 for San Diego County

Occupation Category	1980 Employment	1980 Percent	1990 Employment	1990 Percent	1980-1990 Absolute Change	1980-1990 Percent Change
Total, All Occupations	646,705	100.0%	875,176	100.0%	228,471	26.1%
Professional, Technical, and Kindred Occupations	131,485	20.3	179,686	20.5	48,201	0.3
Engineers	12,205	1.9	18,347	2.1	6,142	0.3
Life and Physical Scientists	1,566	0.2	2,311	0.3	745	0.3
Mathmatical Specialists	939	0.1	553	0.1	(386)	(0.7)
Engineering or Science Technicians	12,584	1.9	19,813	2.3	7,229	0.4
Medical Workers Except Technicians	12,809	2.0	19,034	2.2	6,225	0.3
Other Health Technologists and Technicians	9,958	1.5	14,573	1.7	4,615	0.3
Other Technicians	2,690	0.4	3,388	0.4	698	0.2
Computer Specialists	4,933	0.8	9,043	1.0	4,110	0.5
Social Scientists	1,452	0.2	1,988	0.2	536	0.3
Teachers	33,318	5.2	38,163	4.4	4,845	0.1
Writers, Artists, and Entertainers	5,954	0.9	8,212	0.9	2,258	0.3
Other Professional and Technical Workers	33,077	5.1	44,261	5.1	11,184	0.3
Managers and Officials	54,194	8.4	75,013	8.6	20,819	0.3
Sales Managers	1,567	0.2	2,313	0.3	746	0.3
Administrators and Public Inspectors	1,420	0.2	1,673	0.2	253	0.2
Other Managers and Officials	51,207	7.9	71,027	8.1	19,820	0.3
Sales Workers	47,272	7.3	67,964	7.8	20,692	0.3
Clerical Workers	138,678	21.4	191,465	21.9	52,787	0.3
Stenographers, Secretaries, and Typists	29,500	4.6	41,471	4.7	11,971	0.3
Office Machine Operators	5,949	0.9	8,262	0.9	2,313	0.3
Other Clerical Workers	103,229	16.0	141,732	16.2	38,503	0.3
Crafts and Kindred Workers	69,985	10.8	89,464	10.2	19,479	0.2
Construction Crafts Workers	18,943	2.9	23,106	2.6	4,163	0.2
Blue Collar Worker Supervisors	6,946	1.1	8,860	1.0	1,914	0.2
Metal Working Crafts Workers	5,916	0.9	6,982	0.8	1,066	0.2
Mechanics, Repairers, and Installers	16,833	2.6	22,222	2.5	5,389	0.2
Printing Trade Crafts Workers	2,601	0.4	4,124	0.5	1,523	0.4
Transportation and Public Utility Crafts Workers	2,640	0.4	2,933	0.3	293	0.1
Other Crafts and Kindred Workers	16,106	2.5	21,237	2.4	5,131	0.2
Operatives, Except Transportation	47,049	7.3	59,620	6.8	12,571	0.2
Semiskilled Metal Working Operatives	10,121	1.6	11,533	1.3	1,412	0.1
Semiskilled Textile Operatives	128	0.0	175	0.0	47	0.3
Semiskilled Packing and Inspecting Operatives	4,008	0.6	4,595	0.5	587	0.1

Table DS 4-4 (Cont.)

Projections of Employment in 1990 for San Diego County

Occupation Category	1980 Employment	1980 Percent	1990 Employment	1990 Percent	1980-1990 Absolute Change	1980-1990 Percent Change
Other Operatives	32,792	5.1	43,317	4.9	10,525	0.2
Transport Equipment Operatives	17,169	2.7	22,963	2.6	5,794	0.3
All Other Operatives and Semiskilled Workers	5,573	0.9	7,483	0.9	1,910	0.3
Service Workers	107,052	16.6	146,451	16.7	39,399	0.3
Cleaning Service Workers	17,935	2.8	24,490	2.8	6,555	0.3
Food Service Workers	53,439	8.3	73,063	8.3	19,624	0.3
Health Service Workers	7,930	1.2	11,048	1.3	3,118	0.3
Personal Service Workers	9,216	1.4	12,045	1.4	2,829	0.2
Protective Service Workers	12,259	1.9	17,355	2.0	5,096	0.3
Other Service Workers	6,273	1.0	8,450	1.0	2,177	0.3
Laborers, Except Farm	28,248	4.4	35,067	4.0	6,819	0.2

Source: California Economic Development Department, Projections of Employment by Industry and Occupation, Industry and Occupation, 1980-1990, San Diego Metropolitian Statistical Area (Los Angeles: 1986).

Negative numbers are expressed in parentheses.

San Diego MSA is equivalent to San Diego County.

Table DS 4-5

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for San Diego County, 1970-2015

Industry	Total Income and Earnings											
	1970	Percent of Total	1975	Percent of Total	1980	Percent of Total	1981	Percent of Total	1982	Percent of Total	1983	Percent of Total
Total Personal Income (a)	$15,292,033		$18,002,391		$25,139,112		$26,032,128		$26,526,652		$27,426,053	
Total Earnings by Place of Residence (b)	$10,991,986		$11,898,685		$16,302,277		$16,375,559		$16,443,871		$17,090,247	
Total Earnings by Place of Work (b)	$11,470,680	100.0%	$12,620,501	100.0%	$17,330,562	100.0%	$17,506,611	100.0%	$17,618,886	100.0%	$18,328,848	100.0%
Farm	129,303	1.1	199,912	1.6	229,412	1.3	232,981	1.3	230,521	1.3	241,241	1.3
Nonfarm	11,341,377	98.9	12,420,589	98.4	17,101,151	98.7	17,273,630	98.7	17,388,365	98.7	18,087,607	98.7
Agricultural Services, Forestry, and Fisheries	NA	NA	NA	NA	148,400	0.9	(D)	NA	123,268	0.7	126,792	0.7
Mining	16,989	0.1	14,481	0.1	20,257	0.1	(D)	NA	13,147	0.1	17,679	0.1
Construction	717,965	6.3	760,645	6.0	1,245,332	7.2	1,218,999	7.0	1,029,724	5.8	1,054,194	5.8
Manufacturing	1,811,205	15.8	1,817,208	14.4	2,921,889	16.9	2,963,849	16.9	3,046,337	17.3	3,140,554	17.1
Transportation and Public Utilities	538,735	4.7	651,615	5.2	915,513	5.3	960,600	5.5	1,000,364	5.7	1,054,637	5.8
Wholesale Trade	NA	NA	NA	NA	627,047	3.6	651,640	3.7	685,798	3.9	759,382	4.1
Retail Trade	NA	NA	NA	NA	1,761,580	10.2	1,688,534	9.6	1,671,275	9.5	1,765,655	9.6
Finance, Insurance, and Real Estate	473,417	4.1	494,935	3.9	947,560	5.5	829,823	4.7	820,127	4.7	998,370	5.4
Service Industries	1,738,923	15.2	2,086,827	16.5	3,220,060	18.6	3,354,758	19.2	3,488,077	19.8	3,668,892	20.0
Government	4,451,660	38.8	4,712,388	37.3	5,293,512	30.5	5,445,136	31.1	5,510,248	31.3	5,501,451	30.0

Table DS 4-5 (Cont.)

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for San Diego County, 1970-2015

Industry	Total Income and Earnings 1984	Percent of Total	Projected Total Income and Earnings (c) 1990	Percent of Total	1995	Percent of Total	2000	Percent of Total	2005	Percent of Total	2015	Percent of Total
Total Personal Income (a)	$29,476,637		$37,130,568		$43,246,264		$48,483,712		$53,168,014		$61,856,754	
Total Earnings by Place of Residence (b)	$18,572,188		NA		NA		NA		NA		NA	
Total Earnings by Place of Work (b)	$19,944,798	100.0%	$25,887,532	100.0%	$30,311,516	100.0%	$34,209,405	100.0%	$37,616,084	100.0%	$43,136,631	100.0%
Farm	231,716	1.2	261,979	1.0	261,505	0.9	261,505	0.8	263,878	0.7	275,980	0.6
Nonfarm	19,713,082	98.8	25,625,552	99.0	30,050,011	99.1	33,947,901	99.2	37,352,207	99.3	42,860,651	99.4
Agricultural Services, Forestry, and Fisheries	135,944	0.7	170,144	0.7	201,705	0.7	229,469	0.7	257,471	0.7	296,625	0.7
Mining	21,344	0.1	21,832	0.1	24,205	0.1	26,578	0.1	28,476	0.1	31,324	0.1
Construction	1,331,467	6.7	1,680,321	6.5	1,966,505	6.5	2,240,112	6.5	2,482,870	6.6	2,849,261	6.6
Manufacturing	3,396,296	17.0	4,908,076	19.0	5,824,291	19.2	6,631,586	19.4	7,385,963	19.6	8,630,838	20.0
Transportation and Public Utilities	1,067,990	5.4	1,596,317	6.2	1,930,436	6.4	2,231,569	6.5	2,495,921	6.6	2,900,755	6.7
Wholesale Trade	832,290	4.2	1,185,551	4.6	1,417,156	4.7	1,624,081	4.7	1,815,820	4.8	2,109,834	4.9
Retail Trade	1,931,937	9.7	2,384,865	9.2	2,795,631	9.2	3,159,175	9.2	3,444,172	9.2	3,868,702	9.0
Finance, Insurance, and Real Estate	1,129,846	5.7	1,745,816	6.7	2,202,619	7.3	2,572,569	7.5	2,857,092	7.6	3,288,978	7.6
Service Industries	4,141,916	20.8	5,489,461	21.2	6,698,979	22.1	7,707,979	22.5	8,529,986	22.7	9,873,578	22.9
Government	5,724,020	28.7	6,443,407	24.9	6,988,722	23.1	7,524,546	22.0	8,054,199	21.4	9,010,756	20.9

Table DS 4-5 (Cont.)

Total Personal Income and Earnings by Industry (in thousand of 1986 dollars) for San Diego County, 1970-2015

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Local Area Personal Income, 1970-1975 and 1979-1984.
U.S. Department of Commerce, Bureau of Economic Analysis, 1985 OBERS BEA Regional Projections, vol. 2: Metropolitan Statistical Area Projections to 2035, 1985.

(a) - Total personal income includes wage and salary disbursements, other labor income, proprietor's income, rental income, interest and dividend income, and transfer payments, less contributions for social insurance. It is adjusted by place of residence.

(b) - Total personal earnings includes wage and salary disbursements, other labor income, and proprietor's income.

(c) - Projections are for San Diego MSA (equivalent to San Diego County). Projections for 2010 are unavailable.

(D) - Information withheld to avoid disclosure of operations of individual firms.

NA - Not available.

Table DS 4-6

Payroll for San Diego County, 1970-1984

(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	$58,557	$57,942	$95,104	$82,857	$76,725	$80,539	$90,445
Agricultural Services(07)	16,488	24,158	(D)	(D)	42,864	48,449	56,509
Forestry(08)	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	42,069	33,226	49,337	(D)	(D)	31,754	(D)
Mining	15,816	10,927	22,517	29,785	17,203	17,290	23,217
Metal Mining(10)	NA	NA	NA	NA	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	NA	NA	(D)	(D)	5,050	5,407	6,224
Crude Petroleum, Natural Gas(131)	NA	NA	NA	NA	NA	NA	NA
Natural Gas Liquids(132)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Services(138)	NA	NA	3,387	4,460	4,185	4,560	5,331
Drilling Oil and Gas Wells(1381)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Exploration(1382)	NA	NA	(D)	3,393	3,036	3,171	3,660
Nonmetallic Minerals(14)	14,781	8,653	11,290	13,163	9,979	10,576	12,979
Contract Construction	501,649	537,850	796,535	791,343	690,788	709,440	899,973
General Contractors(15)	114,223	126,846	217,562	206,824	187,399	184,516	241,117
Heavy Construction Contractors(16)	(D)	53,787	(D)	(D)	(D)	73,976	(D)
Special Trade Contractors(17)	294,622	356,382	488,946	496,975	425,718	447,942	569,439
Manufacturing	1,797,744	1,759,668	2,476,819	2,513,147	2,715,626	2,758,707	2,933,915
Food(20)	80,350	96,869	131,823	125,437	133,919	111,039	73,797
Textile Mill Products(22)	NA	NA	7,037	6,973	6,843	7,993	9,216
Apparel(23)	41,642	57,884	40,471	38,558	31,627	29,363	32,584
Lumber and Wood(24)	9,253	11,073	17,093	17,965	13,834	15,291	17,379
Furniture(25)	18,238	19,071	21,187	26,593	19,663	17,525	20,468
Paper(26)	3,191	4,916	(D)	6,972	7,234	8,774	10,671
Printing and Publishing(27)	92,932	87,305	144,326	145,190	158,391	163,909	181,772
Chemicals(28)	14,642	41,901	52,199	51,710	50,280	43,734	47,085
Petroleum Refining(29)	NA	2,680	2,861	4,459	4,854	4,267	4,004
Petroleum Refining(291)	NA	NA	NA	NA	NA	NA	NA
Paving and Roofing Material(295)	NA	NA	NA	(D)	(D)	(D)	(D)
Miscellaneous Products(299)	NA	NA	NA	NA	NA	NA	NA
Rubber and Miscellaneous Plastics(30)	5,891	10,590	18,109	37,207	25,410	26,708	33,500
Leather(31)	NA	(D)	6,902	6,750	5,943	4,896	3,746
Stone, Clay, Glass(32)	28,238	40,615	38,750	36,615	35,675	38,924	49,918
Primary Metal(33)	6,329	17,852	9,146	(D)	4,452	7,665	10,701
Fabricated Metal(34)	73,327	44,157	75,532	79,334	88,054	81,885	80,289
Machinery(35)	231,113	244,926	397,247	393,851	390,199	411,663	425,455
Electric and Electronic Equipment(36)	208,585	332,394	406,108	430,716	592,714	665,970	720,106
Transportation Equipment(37)	410,051	597,174	824,467	777,825	833,591	765,453	835,733
Measuring Instruments(38)	18,505	64,684	152,401	183,537	190,169	214,651	250,580
Miscellaneous Manufacturing(39)	20,181	42,490	47,432	55,477	59,201	53,759	55,563

Table DS 4-6 (Cont.)

Payroll for San Diego County, 1970-1984

(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Transportation and Public Utilities	440,850	571,074	700,695	751,469	713,940	711,555	745,366
Local and Interurban Transit(41)	35,805	52,080	23,147	23,138	(D)	(D)	(D)
Trucking and Warehousing(42)	47,992	49,278	57,952	59,267	55,342	56,996	62,668
Water Transportation(44)	10,693	6,689	12,843	11,911	10,795	11,424	12,271
Transportation by Air(45)	59,336	90,289	129,452	146,217	118,668	120,458	113,606
Pipelines(46)	NA	NA	NA	NA	NA	NA	NA
Transportation Services(47)	5,731	2,094	21,934	(D)	26,697	30,175	31,319
Communication(48)	(D)	231,164	284,881	310,003	291,857	272,998	301,977
Electric, Gas, Sanitary(49)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wholesale Trade	287,963	372,167	606,746	600,751	607,155	658,951	729,849
Durable Goods(50)	NA	213,506	391,332	376,467	372,591	395,222	458,259
Nondurable Goods(51)	NA	145,455	197,302	(D)	(D)	(D)	253,606
Retail Trade	905,862	1,081,739	1,471,287	1,470,601	1,471,731	1,545,021	1,650,600
Building Materials(52)	36,765	48,596	(D)	60,871	(D)	61,234	70,005
General Merchandise(53)	152,749	156,959	172,037	178,904	161,937	162,270	[illegible],083
Food Stores(54)	134,254	170,939	233,254	244,519	247,593	272,617	279,089
Automotive Dealers, Service Stations(55)	200,933	217,533	270,779	254,151	253,580	286,203	330,251
Apparel, Accessories(56)	46,733	49,392	65,493	(D)	69,528	68,307	(D)
Furniture(57)	56,476	60,730	81,694	79,840	75,157	79,719	94,330
Eating, Drinking Places(58)	164,338	200,083	289,388	291,812	314,603	343,175	361,411
Miscellaneous Retail(59)	98,481	125,414	178,947	178,448	182,066	189,520	194,331
Finance, Insurance, Real Estate	353,745	464,614	795,483	843,119	869,072	971,288	1,014,142
Banking(60)	87,639	102,941	150,652	159,467	179,386	170,273	170,910
Other Credit Agencies(61)	55,345	78,209	148,660	152,567	164,914	181,856	202,282
Security, Commodity Brokers(62)	31,653	21,670	51,746	57,962	69,495	92,185	77,695
Insurance Carriers(63)	69,379	101,143	113,329	130,042	106,884	112,580	135,602
Insurance Agents(64)	17,972	30,083	60,856	61,193	66,326	72,686	73,283
Real Estate(65)	70,019	99,374	196,021	192,296	187,248	200,787	232,735
Real Estate, Insurance(66)	5,806	1,294	3,196	2,309	2,302	2,560	2,309
Holding, Investment Offices(67)	15,933	6,625	29,555	36,799	45,788	37,877	36,130
Service Industries	893,568	1,381,514	2,353,931	2,482,429	2,611,643	2,759,350	3,107,014
Hotels, Lodging(70)	88,973	107,685	135,632	140,104	135,150	138,370	153,578
Personal Services(72)	82,068	65,733	79,521	80,687	85,189	86,050	87,000
Business Services(73)	129,217	224,784	578,573	598,265	565,487	629,204	761,153
Auto Repair(75)	41,973	53,685	85,428	84,155	88,296	86,661	96,710
Miscellaneous Repair(76)	25,965	26,405	51,162	54,923	51,779	53,188	61,481
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	9,477	8,770	16,392	(D)	15,511	14,000	17,782
Recreation, Amusement(79)	34,353	66,480	98,527	97,568	104,864	117,542	125,082
Health Services(80)	237,388	437,626	703,870	757,246	847,354	865,410	928,564
Legal Services(81)	23,510	55,996	90,024	101,870	120,337	133,202	158,060
Education Services(82)	41,237	63,948	67,467	69,053	82,128	87,908	103,138

Table DS 4-6 (Cont.)

Payroll for San Diego County, 1970-1984

(in thousand of 1986 dollars)

SIC Code	1970	1975	1980	1981	1982	1983	1984
Social Services(83)	NA	56,231	77,406	80,270	81,483	84,350	96,522
Membership Organizations(86)	61,780	62,243	76,570	75,885	85,948	88,440	104,593
Miscellaneous Services(89)	106,261	117,124	248,955	273,383	282,774	302,380	336,722
Nonclassifiable Establishments	21,728	57,109	61,372	81,169	16,090	71,027	156,114
Government	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA
Total County	$5,277,483	$6,294,607	$9,383,140	$9,646,668	$9,789,974	$10,283,169	$11,350,634

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.

(D) - Information withheld to avoid disclosure of operations of individual establishments.

NA - Not available.

Note: Payroll includes all forms of compensation which are subject to income tax withholding.

Table DS 4-7

Industry Indicators for San Diego County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Agriculture, Forestry, Fisheries	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Services(07)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forestry(08)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mining	44.6	47.4	57.0	63.3	4.7	4.4	8.8	11.8	33.5	31.2	43.0	50.8
Metal Mining(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	NA	NA	NA	(D)	NA	NA	NA	(D)	NA	NA	NA	(D)
Crude Petroleum, Natural Gas(131)	NA	NA	NA	12.4	NA	NA	NA	0.0	NA	NA	NA	8.5
Natural Gas Liquids(132)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Services(138)	NA	NA	NA	(D)	NA	NA	NA	(D)	NA	NA	NA	(D)
Drilling Oil and Gas Wells(1381)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Exploration(1382)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonmetallic Minerals(14)	44.4	41.7	43.5	44.7	4.7	3.6	7.1	9.4	33.2	26.1	33.1	37.7
Contract Construction	1,874.4	2,398.1	1,905.9	1,577.8	44.8	75.4	51.3	35.2	1,291.2	1,508.8	1,398.9	1,325.6
General Contractors(15)	492.2	674.1	611.9	570.5	9.9	24.8	17.8	13.1	304.6	418.3	403.6	393.7
Heavy Construction Contractors(16)	227.9	216.7	201.1	190.7	10.1	9.3	5.6	3.1	213.4	142.3	142.0	141.8
Special Trade Contractors(17)	1,176.8	1,545.1	1,385.9	1,279.8	21.8	35.6	27.0	21.3	752.7	957.6	875.8	821.3
Manufacturing	4,988.8	6,982.8	8,441.4	9,413.8	126.7	202.2	389.3	514.1	2,812.5	3,682.1	4,830.2	5,595.5
Food(20)	837.0	1,063.9	1,006.3	967.9	9.5	19.8	84.6	127.8	170.1	311.3	350.3	376.3
Textile Mill Products(22)	NA	15.4	17.2	18.4	NA	0.2	0.2	0.2	NA	10.5	11.5	12.2
Apparel(23)	177.7	117.9	103.0	93.0	1.7	2.0	1.3	0.8	88.5	57.4	57.6	57.7
Lumber and Wood(24)	45.1	54.9	48.4	44.2	1.4	1.5	1.1	0.8	20.9	26.1	23.3	21.4

Table DS 4-7 (Cont.)

Industry Indicators for San Diego County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Furniture(25)	57.4	67.8	65.8	64.5	1.2	1.7	1.8	1.9	25.4	37.8	37.9	38.0
Paper(26)	14.0	31.7	36.9	40.4	0.5	1.9	1.2	0.7	5.7	10.7	14.5	17.1
Printing and Publishing(27)	297.1	402.4	496.5	559.1	6.6	12.5	18.8	22.9	200.5	283.4	336.3	371.6
Chemicals(28)	106.1	289.0	239.2	206.1	8.5	13.2	9.5	7.0	71.4	170.4	134.6	110.7
Petroleum Refining(29)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Refining(291)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paving and Roofing Material(295)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Products(299)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rubber and Miscellaneous Plastics(30)	43.2	57.1	83.0	100.4	2.1	2.0	3.4	4.4	26.8	29.8	45.8	56.4
Leather(31)	NA	NA	11.8	19.7	NA	NA	NA	0.1	NA	NA	NA	10.9
Stone, Clay, Glass(32)	171.6	207.5	167.7	141.2	5.5	9.1	6.1	4.1	77.4	95.7	77.1	64.7
Primary Metal(33)	16.4	72.0	53.9	41.9	(D)	2.7	1.6	0.9	9.3	35.9	28.4	23.4
Fabricated Metal(34)	106.5	231.2	288.5	326.6	1.9	6.4	8.9	10.6	62.2	136.0	159.4	175.0
Machinery(35)	620.1	1,030.0	1,243.8	1,386.4	20.6	33.7	56.7	72.0	393.7	570.8	706.7	797.3
Electric and Electronic Equipment(36)	557.7	1,246.1	1,871.9	2,289.2	(D)	32.7	102.6	149.2	398.0	653.0	971.8	1,184.4
Transportation Equipment(37)	1,695.0	1,582.8	1,951.7	2,197.5	26.6	35.2	62.7	81.1	1,101.1	920.9	1,348.8	1,634.0
Measuring Instruments(38)	133.6	289.8	492.5	627.6	(D)	21.8	20.4	19.4	101.8	205.1	348.8	444.7
Miscellaneous Manufacturing(39)	66.0	161.6	257.9	322.2	2.4	5.3	7.7	9.4	38.2	97.1	139.0	167.0
Transportation and Public Utilities	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Local and Interurban Transit(41)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trucking and Warehousing(42)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Water Transportation(44)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Transportation by Air(45)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pipelines(46)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Transportation Services(47)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Communication(48)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table DS 4-7 (Cont.)

Industry Indicators for San Diego County, 1972-1982

(in million of 1986 dollars)

	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
SIC Code	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Electric, Gas, Sanitary(49)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Wholesale Trade	4,801.1	6,479.9	7,612.6	8,367.8	38.4	71.3	88.8	100.4	893.0	1,237.7	1,333.5	1,397.4
Durable Goods(50)	2,490.0	3,488.5	3,846.6	4,085.4	22.4	41.9	51.1	57.2	535.3	833.8	894.8	935.5
Nondurable Goods(51)	2,311.1	2,991.4	3,766.0	4,282.4	16.2	26.9	33.9	38.5	374.4	454.7	497.9	526.7
Retail Trade	7,619.2	9,748.3	10,295.4	10,660.1	137.1	185.2	208.4	223.9	NA	2,807.5	2,958.7	3,059.5
Building Materials(52)	449.4	621.5	501.5	421.6	NA	9.9	8.3	7.2	NA	176.5	147.8	128.6
General Merchandise(53)	1,250.3	1,565.4	1,477.2	1,418.4	31.3	32.9	35.3	36.9	NA	566.7	503.3	461.0
Food Stores(54)	1,504.2	1,888.4	2,106.7	2,252.2	24.1	30.2	37.8	42.8	NA	400.3	162.8	4.5
Automotive Dealers, Service Stations(55)	1,968.6	2,677.2	2,856.2	2,975.6	15.7	29.4	20.7	14.9	NA	514.0	516.3	517.8
Apparel, Accessories(56)	329.6	397.9	469.2	516.7	NA	10.7	11.4	11.9	NA	165.5	183.1	194.8
Furniture(57)	407.4	546.4	554.9	560.6	6.5	7.6	9.1	10.1	NA	193.4	197.1	199.6
Eating, Drinking Places(58)	681.5	956.5	1,103.0	1,200.7	27.9	52.6	59.9	64.8	NA	500.2	203.7	6.0
Miscellaneous Retail(59)	878.2	1,077.9	1,219.7	1,314.2	NA	20.5	30.3	36.8	NA	348.2	161.3	36.8
Finance, Insurance, Real Estate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Banking(60)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Credit Agencies(61)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Security, Commodity Brokers(62)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Insurance Carriers(63)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Insurance Agents(64)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Real Estate(65)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Real Estate, Insurance(66)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Holding, Investment Offices(67)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Service Industries	1,790.0	2,384.0	3,952.5	4,998.1	150.4	181.2	288.4	359.9	NA	NA	NA	NA

Table DS 4-7 (Cont.)

Industry Indicators for San Diego County, 1972-1982

(in million of 1986 dollars)

SIC Code	Value of Product (a)				Capital Expenditures (b)				Value Added (c)			
	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982	1972	1977	1980 (e)	1982
Hotels, Lodging(70)	285.0	390.9	438.7	470.6	36.8	30.9	58.9	77.6	NA	NA	NA	NA
Personal Services(72)	201.2	209.9	233.8	249.8	14.7	8.6	12.1	14.5	NA	NA	NA	NA
Business Services(73)	523.0	737.5	1,087.7	1,321.1	29.3	44.2	75.6	96.4	NA	NA	NA	NA
Auto Repair(75)	201.7	282.2	318.5	342.7	34.1	49.7	50.9	51.7	NA	NA	NA	NA
Miscellaneous Repair(76)	72.9	123.5	142.6	155.4	4.4	4.4	5.4	6.1	NA	NA	NA	NA
Amusement and Recreation(78 and 79)	222.1	254.9	286.6	307.7	1.6	16.6	19.9	22.2	NA	NA	NA	NA
Motion Pictures(78)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Recreation, Amusement(79)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Health Services(80)	12.6	14.2	722.0	1,193.8	NA	NA	NA	43.0	NA	NA	NA	NA
Legal Services(81)	125.5	183.9	256.8	305.3	NA	NA	NA	11.3	NA	NA	NA	NA
Education Services(82)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Services(83)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Membership Organizations(86)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Services(89)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonclassifiable Establishments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Government	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table DS 4-7 (Cont.)

Industry Indicators for San Diego County, 1972-1982

(in million of 1986 dollars)

Source: Mining - U.S. Department of Commerce, Bureau of the Census, Census of Mineral Industries: Area Statistics, 1972, 1977 and 1982.

Construction - U.S. Department of Commerce, Bureau of the Census, Census of the Construction Industry; U.S. Summary: Establishments With and Without Payroll, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, County Business Patterns: California, 1972, 1977 and 1982.

Manufacturing - U.S. Department of Commerce, Bureau of the Census, Census of Manufactures; Area Statistics, 1972, 1977 and 1982.

Wholesale Trade - U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Area Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Wholesale Trade; Subject Series: Value Produced, Capital Expenditures, Fixed Assets, Rental Payments, and Supplemental Labor Costs of Merchant Wholesalers, 1972.

Retail Trade - U.S. Department of Commerce, Bureau of the Census, Census of Retail Trade; Area Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Retail Trade; Selected Characteristics of Retail Trade: Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.

Service Industries - U.S. Department of Commerce, Bureau of the Census, Census of Service Industries; Areas Statistics, 1972, 1977 and 1982.
U.S. Department of Commerce, Bureau of the Census, Census of Service Industries; Selected Service Industries: Capital Expenditures, Depreciable Assets, and Operating Expenses, 1977 and 1982.

Table DS 4-7 (Cont.)

Industry Indicators for San Diego County, 1972-1982

(in million of 1986 dollars)

Service Industries (Cont.) - U.S. Department of Commerce, Census of Service Industries; Selected Service Industries; Capital Expenditures and Other Financial Data, 1972.

(a) - Value of product data for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction receipts to payroll.

(b) - Capital expenditures data for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction capital expenditures to receipts. Capital expenditures data for the wholesale trade, retail trade, and service sectors for 1972, 1977, and 1982 are estimated from each sector's national ratio of capital expenditures to receipts.

(c) - Value added data for the construction sector for 1972, 1977, and 1982 are estimated from the state ratio of construction value added to receipts. Value added data for the wholesale trade, retail trade, and service sectors for 1972, 1977, and 1982 are estimated from each sector's national ratio of value added to receipts. Value added is the difference between the value of the goods and the cost of materials or supplies used in producing them.

(e) - 1980 data are estimated as three-fifths of the aggregate growth or decline during the 5-year period 1977-1982 added to 1977 data (adjusted to 1986 dollars) as a base.

(D) - Information withheld to avoid disclosure of operations of individual establishments.

NA - Not available.

Note: Where used, the ratios are applied at the one and two digit SIC code level. Thus totals may not add due to independent rounding.

Table DS 4-8

Number of Employees in San Diego County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	2,145	2,388	4,266	4,126	4,160	4,514	5,808
Agricultural Services(07)	1,213	1,741	2,500-4,999	2,500-4,999	3,176	3,579	4,553
Forestry(08)	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	932	628	866	500-999	500-999	925	1,000-2,499
Mining	551	414	658	766	642	548	808
Metal Mining(10)	NA	NA	NA	NA	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	NA	NA	20-99	100-249	196	193	240
Crude Petroleum, Natural Gas(131)	NA	NA	NA	NA	NA	NA	NA
Natural Gas Liquids(132)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Services(138)	NA	NA	87	125	161	162	208
Drilling Oil and Gas Wells(1381)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Exploration(1382)	NA	NA	20-99	90	112	123	145
Nonmetallic Minerals(14)	512	338	415	442	398	313	437
Contract Construction	19,982	20,646	37,653	33,680	29,357	27,562	39,061
General Contractors(15)	4,618	5,345	11,008	9,773	8,100	7,229	10,120
Heavy Construction Contractors(16)	(D)	1,626	3,294	2,893	2,670	2,158	2,905
Special Trade Contractors(17)	11,934	13,611	23,351	21,014	18,587	18,121	26,036
Manufacturing	73,302	77,918	107,293	109,023	115,242	108,514	116,058
Food(20)	3,717	4,331	6,376	6,655	6,380	5,551	4,446
Textile Mill Products(22)	NA	NA	616	525	478	557	650
Apparel(23)	3,090	4,545	3,777	3,479	3,143	2,604	3,164
Lumber and Wood(24)	558	576	1,026	1,011	770	786	1,151
Furniture(25)	1,038	1,073	1,374	1,475	1,094	920	1,364
Paper(26)	200	287	250-499	370	381	408	566
Printing and Publishing(27)	4,358	4,097	7,047	7,386	7,842	7,949	8,550
Chemicals(28)	728	1,700	1,916	1,830	1,964	1,766	1,815
Petroleum Refining(29)	NA	90	83	128	135	124	105
Petroleum Refining(291)	NA	NA	NA	NA	NA	NA	NA
Paving and Roofing Material(295)	NA	NA	NA	20-99	20-99	20-99	20-99
Miscellaneous Products(299)	NA	NA	NA	NA	NA	NA	NA
Rubber and Miscellaneous Plastics(30)	380	684	1,163	1,891	1,774	1,445	1,856
Leather(31)	NA	100-249	526	546	571	438	336
Stone, Clay, Glass(32)	1,102	1,825	1,851	1,614	1,765	1,513	2,062
Primary Metal(33)	346	897	384	500-999	243	400	552
Fabricated Metal(34)	2,737	1,967	3,871	3,977	4,333	3,691	4,303
Machinery(35)	9,028	10,668	15,643	15,120	14,544	13,953	14,859
Electric and Electronic Equipment(36)	9,118	13,489	19,468	19,768	28,107	29,044	30,157
Transportation Equipment(37)	15,953	24,420	28,316	28,644	27,626	23,420	25,106
Measuring Instruments(38)	870	3,166	7,679	8,612	8,250	8,597	9,895
Miscellaneous Manufacturing(39)	1,151	2,056	3,081	3,274	3,519	3,092	3,206
Transportation and Public Utilities	19,394	22,184	28,547	28,801	27,783	27,691	28,298

Table DS 4-8 (Cont.)

Number of Employees in San Diego County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Local and Interurban Transit(41)	2,087	2,302	1,708	1,707	1,000-2,499	1,000-2,499	1,000-2,499
Trucking and Warehousing(42)	2,462	2,478	3,115	3,189	3,130	3,089	3,651
Water Transportation(44)	537	353	549	543	536	608	678
Transportation by Air(45)	2,706	2,684	4,538	4,118	3,700	3,826	3,829
Pipelines(46)	NA	NA	NA	NA	NA	NA	NA
Transportation Services(47)	371	149	1,650	1,000-2,499	1,998	2,001	2,158
Communication(48)	(D)	8,734	10,842	11,585	10,419	10,064	9,991
Electric, Gas, Sanitary(49)	(D)	2,500-4,999	5,000-9,999	5,000-9,999	5,000-9,999	5,000-9,999	5,000-9,999
Wholesale Trade	13,750	16,820	28,219	28,267	28,207	29,048	31,396
Durable Goods(50)	NA	9,681	18,065	17,082	17,035	16,990	19,333
Nondurable Goods(51)	NA	6,723	9,301	10,000-24,999	11,172	12,058	11,516
Retail Trade	74,012	88,511	127,681	127,075	136,244	138,238	143,119
Building Materials(52)	2,222	2,978	2,500-4,999	3,880	2,500-4,999	3,840	4,263
General Merchandise(53)	15,034	14,567	14,440	15,642	16,719	16,886	15,912
Food Stores(54)	9,129	10,988	15,525	16,202	17,836	18,450	19,066
Automotive Dealers, Service Stations(55)	11,726	12,327	15,646	14,812	15,594	15,877	17,317
Apparel, Accessories(56)	4,017	4,461	6,763	5,000-9,999	7,896	7,338	5,000-9,999
Furniture(57)	3,529	3,779	5,731	5,091	5,115	5,089	5,902
Eating, Drinking Places(58)	20,330	26,379	43,073	43,219	46,924	50,201	52,529
Miscellaneous Retail(59)	7,382	10,503	16,899	16,305	17,041	16,552	17,261
Finance, Insurance, Real Estate	19,683	25,505	43,846	45,970	47,254	48,098	50,840
Banking(60)	4,750	5,400	9,660	9,881	9,972	9,130	9,190
Other Credit Agencies(61)	3,073	4,238	7,838	8,471	9,321	9,059	9,624
Security, Commodity Brokers(62)	1,162	651	1,319	1,629	1,667	2,293	2,113
Insurance Carriers(63)	3,497	4,446	5,239	5,275	5,149	5,316	6,334
Insurance Agents(64)	1,046	1,677	3,019	3,089	3,331	3,536	3,658
Real Estate(65)	4,957	7,577	13,436	13,929	13,856	13,117	14,159
Real Estate, Insurance(66)	331	80	188	131	122	123	131
Holding, Investment Offices(67)	867	327	1,102	1,282	1,745	1,497	1,635
Service Industries	66,442	90,504	149,387	154,451	162,793	160,822	180,284
Hotels, Lodging(70)	8,346	10,270	14,886	14,084	13,637	13,665	14,240
Personal Services(72)	7,396	6,895	8,518	8,221	8,704	8,755	9,217
Business Services(73)	9,430	14,152	34,734	35,336	33,294	33,768	41,640
Auto Repair(75)	2,760	3,321	5,694	5,502	6,394	5,884	6,648
Miscellaneous Repair(76)	1,381	1,565	2,847	3,087	3,044	2,850	3,230
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	1,118	934	1,380	1,000-2,499	1,454	1,274	1,472
Recreation, Amusement(79)	2,922	4,429	7,105	6,612	7,703	7,589	8,049
Health Services(80)	16,879	23,305	35,741	38,460	44,811	43,120	45,890
Legal Services(81)	1,318	2,350	3,789	4,076	4,885	4,719	5,230
Education Services(82)	2,949	4,529	5,003	6,307	6,643	7,766	8,581
Social Services(83)	NA	5,133	7,998	8,417	8,489	8,225	9,735
Membership Organizations(86)	6,255	6,119	8,117	8,056	9,064	9,118	11,051

Table DS 4-8 (Cont.)

Number of Employees in San Diego County, 1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Miscellaneous Services(89)	4,749	4,778	11,161	12,397	11,682	11,326	12,382
Nonclassifiable Establishments	1,697	4,123	5,477	5,858	1,017	3,230	9,863
Government	NA	132,200	141,200	141,900	139,600	139,500	141,800
Federal	NA	39,900	42,100	42,400	42,400	42,600	43,300
State	NA	68,100	74,400	75,100	74,200	73,900	75,300
Local	NA	24,200	24,700	24,400	23,000	23,000	23,200
Railroad Workers	NA	NA	NA	NA	NA	NA	205
Total County	290,958	481,213	674,227	679,917	692,299	687,765	747,540

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.
Nicholas Powers, Railroad Retirement Board, Bureau of Research and Analysis, data tables, 1987.
California Economic Development Department, Annual Planning Information, San Diego County, (Los Angeles: 1986-1987).

(D) - Information withheld to avoid disclosure of operations of individual establishments.
NA - Not available.

Table DS 4-9

Number of Establishments in San Diego County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Agriculture, Forestry, Fisheries	313	425	606	616	666	817	841
Agricultural Services(07)	230	329	499	514	552	679	726
Forestry(08)	NA	NA	NA	NA	NA	NA	NA
Fishing, Hunting, Trapping(09)	83	94	104	100	112	134	114
Mining	16	28	38	44	51	62	66
Metal Mining(10)	NA	NA	NA	NA	NA	NA	NA
Anthracite Mining(11)	NA	NA	NA	NA	NA	NA	NA
Bithuminous Coal(12)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Extraction(13)	NA	NA	10	14	20	25	29
Crude Petroleum, Natural Gas(131)	NA	NA	NA	NA	NA	NA	NA
Natural Gas Liquids(132)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Services(138)	NA	NA	6	7	13	15	18
Drilling Oil and Gas Wells(1381)	NA	NA	NA	NA	NA	NA	NA
Oil and Gas Field Exploration(1382)	NA	NA	3	3	6	8	9
Nonmetallic Minerals(14)	13	20	21	23	24	27	26
Contract Construction	1,666	2,346	3,373	3,147	2,917	3,707	3,852
General Contractors(15)	484	711	1,172	1,025	907	1,184	1,212
Heavy Construction Contractors(16)	154	128	170	174	167	174	196
Special Trade Contractors(17)	1,027	1,504	2,023	1,940	1,835	2,344	2,440
Manufacturing	1,043	1,414	1,946	2,017	2,249	2,518	2,518
Food(20)	82	81	78	80	91	106	98
Textile Mill Products(22)	NA	NA	15	16	14	16	17
Apparel(23)	44	83	112	116	99	130	143
Lumber and Wood(24)	51	73	87	84	90	101	103
Furniture(25)	56	51	75	74	81	84	88
Paper(26)	6	10	15	13	15	16	17
Printing and Publishing(27)	174	223	338	344	401	460	482
Chemicals(28)	27	31	38	39	47	50	53
Petroleum Refining(29)	NA	6	9	9	10	12	11
Petroleum Refining(291)	NA	NA	NA	NA	NA	NA	NA
Paving and Roofing Material(295)	NA	NA	NA	7	8	8	9
Miscellaneous Products(299)	NA	NA	NA	NA	NA	NA	NA
Rubber and Miscellaneous Plastics(30)	21	45	73	76	99	108	110
Leather(31)	NA	10	22	26	29	32	25
Stone, Clay, Glass(32)	52	65	79	85	87	101	97
Primary Metal(33)	14	22	19	19	13	17	16
Fabricated Metal(34)	89	109	156	178	192	208	197
Machinery(35)	131	160	266	274	304	338	338
Electric and Electronic Equipment(36)	93	141	187	184	231	259	247
Transportation Equipment(37)	53	82	113	114	117	128	128
Measuring Instruments(38)	36	73	99	109	138	150	146

Table DS 4-9 (Cont.)

Number of Establishments in San Diego County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Miscellaneous Manufacturing(39)	58	112	127	138	148	155	157
Transportation and Public Utilities	414	634	999	1,029	1,115	1,226	1,292
Local and Interurban Transit(41)	38	33	70	71	70	84	80
Trucking and Warehousing(42)	191	231	315	318	348	397	412
Water Transportation(44)	25	33	46	41	46	54	61
Transportation by Air(45)	32	27	54	56	62	71	87
Pipelines(46)	NA	NA	NA	NA	NA	NA	NA
Transportation Services(47)	64	15	315	336	381	436	466
Communication(48)	33	117	141	145	143	115	114
Electric, Gas, Sanitary(49)	28	38	35	39	43	47	50
Wholesale Trade	1,052	1,530	2,046	2,129	2,414	2,705	2,724
Durable Goods(50)	NA	977	1,358	1,433	1,621	1,806	1,803
Nondurable Goods(51)	NA	537	661	672	771	878	902
Retail Trade	5,776	7,864	9,171	9,465	10,174	11,449	11,321
Building Materials(52)	164	301	345	340	345	393	390
General Merchandise(53)	212	199	178	180	178	175	181
Food Stores(54)	631	889	1,062	1,076	1,196	1,327	1,320
Automotive Dealers, Service Stations(55)	1,242	1,444	1,302	1,271	1,319	1,474	1,419
Apparel, Accessories(56)	434	698	946	1,044	1,102	1,179	1,147
Furniture(57)	392	593	748	731	781	879	880
Eating, Drinking Places(58)	1,635	2,004	2,382	2,492	2,687	3,166	3,202
Miscellaneous Retail(59)	1,050	1,673	2,102	2,211	2,432	2,718	2,644
Finance, Insurance, Real Estate	1,678	2,891	4,494	4,419	4,495	5,156	5,275
Banking(60)	29	268	353	370	386	405	414
Other Credit Agencies(61)	206	418	664	652	670	721	744
Security, Commodity Brokers(62)	50	70	118	130	156	196	212
Insurance Carriers(63)	133	137	219	215	205	232	238
Insurance Agents(64)	295	423	566	573	577	678	670
Real Estate(65)	900	1,443	2,405	2,300	2,258	2,633	2,711
Real Estate, Insurance(66)	20	23	26	21	17	24	20
Holding, Investment Offices(67)	45	93	119	132	203	239	233
Service Industries	6,718	8,603	11,629	12,357	13,620	15,535	16,074
Hotels, Lodging(70)	581	406	404	404	406	465	477
Personal Services(72)	1,093	1,090	1,149	1,149	1,194	1,345	1,322
Business Services(73)	700	1,072	1,692	1,855	2,095	2,626	2,762
Auto Repair(75)	485	707	948	991	1,121	1,310	1,333
Miscellaneous Repair(76)	250	325	403	418	437	486	476
Amusement and Recreation(78 and 79)	NA	NA	NA	NA	NA	NA	NA
Motion Pictures(78)	51	83	96	99	102	111	115

Table DS 4-9 (Cont.)

Number of Establishments in San Diego County, (a)

1970-1984

SIC Code	1970	1975	1980	1981	1982	1983	1984
Recreation, Amusement(79)	261	305	347	359	405	470	436
Health Services(80)	1,709	2,294	3,260	3,522	3,868	4,242	4,275
Legal Services(81)	389	648	878	959	1,064	1,296	1,319
Education Services(82)	169	143	169	183	186	203	242
Social Services(83)	NA	265	512	521	612	678	783
Membership Organizations(86)	591	710	752	737	826	850	1,048
Miscellaneous Services(89)	416	507	957	1,093	1,228	1,368	1,403
Nonclassifiable Establishments	391	1,531	2,196	2,203	938	2,510	3,869
Government	NA	NA	NA	NA	NA	NA	NA
Federal	NA	NA	NA	NA	NA	NA	NA
State	NA	NA	NA	NA	NA	NA	NA
Local	NA	NA	NA	NA	NA	NA	NA
Railroad Workers	NA	NA	NA	NA	NA	NA	NA
Total County	19,067	27,266	36,498	37,426	38,639	45,685	47,832

Source: U.S. Department of Commerce, Bureau of the Census, County Business Patterns, 1970, 1975, and 1980-1984.

NA - Not available.

(a) - An establishment is a single physical location where business is conducted, or where services or industrial operations are performed.

Table DS 4-10

Selected Agriculture Statistics for San Diego County, 1978-1985

	Census Statistics												Crop Report	
	Number of Farms			Hired Farm Workers			Payroll (in thousand of 1986 dollars)			Value of Product (in thousand of 1986 dollars) (a)				
SIC Code	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1984	1985
Cash Grains(011)	21	22	23	NA	NA	NA	NA	NA	NA	$1,149	$1,125	$1,101	NA	NA
Field Crops(013)	57	57	56	NA	NA	NA	NA	NA	NA	768	NA	(D)	863	1,047
Vegetables and Melons(016)	170	185	199	NA	NA	NA	NA	NA	NA	66,265	65,140	64,015	74,948	48,282
Fruit and Tree Nuts(017)	3,097	3,421	3,745	NA	NA	NA	NA	NA	NA	90,254	96,224	102,194	136,777	180,508
Horticulture Specialties(018)	512	552	592	NA	NA	NA	NA	NA	NA	128,271	130,902	133,533	202,167	217,754
General Farms-Crops(019)	10	12	13	NA	NA	NA	NA	NA	NA	(D)	NA	(D)	NA	NA
Livestock(021)	713	792	870	NA	NA	NA	NA	NA	NA	18,041	17,890	17,740	13,146	12,557
Cattle	441	486	530	NA	NA	NA	NA	NA	NA	16,902	16,797	16,692	12,313	11,821
Hogs and Pigs	185	205	225	NA	NA	NA	NA	NA	NA	1,075	1,022	970	527	446
Sheep and Lambs	87	101	115	NA	NA	NA	NA	NA	NA	65	71	77	NA	NA
Poultry and Eggs(025)	194	209	224	NA	NA	NA	NA	NA	NA	82,507	84,773	87,038	69,216	47,307
Dairy(024)	52	48	44	NA	NA	NA	NA	NA	NA	37,596	36,617	35,637	32,143	32,137
Animal Specialities(027)	525	528	530	NA	NA	NA	NA	NA	NA	6,869	7,282	7,694	NA	NA
Total Agriculture	5,085	5,633	6,180	25,109	26,297	27,485	$89,190	$93,090	$96,989	$432,915	$441,656	$450,397	$476,700	$540,072
Primary Commodities														
Avocados	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	$62,977	$90,900
Carnations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,337	10,925
Cattle	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,313	11,821
Eggs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68,455	46,536
Indoor Decoratives	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70,082	76,364
Lemons	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,476	23,210
Milk	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32,143	32,137
Oranges (Valencia)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26,953	28,833
Ornamental Trees and Shrubs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27,882	27,969

Table DS 4-10 (Cont.)

Selected Agriculture Statistics for San Diego County, 1978-1985

	Census Statistics												Crop Report	
	Number of Farms			Hired Farm Workers			Payroll (in thousand of 1986 dollars)			Value of Product (in thousand of 1986 dollars) (a)				
SIC Code	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1978	1980 (b)	1982	1984	1985
Strawberries	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19,738	21,079
Tomatoes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39,924	18,662

Source: U.S. Department of Commerce, Bureau of the Census, Census of Agriculture, 1978 and 1982.
County of San Diego, Department of Agriculture, Agricultural Crop Report, 1985.

(a) - Value of product data may not be directly comparable because the Crop Report (which provides 1984 and 1985 data) does not use Census Bureau categories.

(b) - 1980 data are estimated as the mean of 1978 and 1982.

(D) - Information withheld to avoid disclosure of operations of individual establishments.

NA - Not available.

Table DS 4-11

Characteristics of the Housing Stock in San Diego County, 1975-1986

	Single Family		2 to 4 Units		5 or More Units		Mobile Homes		Total		Occupied		Vacant		
Year (a)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Persons Per Household
1975	343,690	60.0	69,457	12.1	127,440	22.2	32,224	5.6	572,811	100.0	534,235	93.3	38,576	6.7	2.8
1976	351,863	59.7	70,298	11.9	133,035	22.6	34,609	5.9	589,805	100.0	554,906	94.1	34,899	5.9	2.8
1977	361,147	59.2	71,435	11.7	140,609	23.1	36,353	6.0	609,544	100.0	577,770	94.8	31,774	5.2	2.7
1978	378,001	58.8	75,034	11.7	151,676	23.6	37,774	5.9	642,485	100.0	606,502	94.4	35,983	5.6	2.7
1979	390,358	58.3	77,962	11.6	162,224	24.2	38,706	5.8	669,250	100.0	633,546	94.7	35,704	5.3	2.7
Data above the line have not been adjusted to be consistent with annual data beginning in 1980															
1980	438,737	60.9	59,546	8.3	184,287	25.6	37,776	5.2	720,346	100.0	670,094	93.0	50,252	7.0	2.6
1981	443,632	60.6	60,735	8.3	189,583	25.9	37,768	5.2	731,718	100.0	683,281	93.4	48,437	6.6	2.6
1982	449,643	60.4	62,364	8.4	195,172	26.2	37,476	5.0	744,655	100.0	696,584	93.5	48,071	6.5	2.6
1983	453,462	60.3	63,038	8.4	198,211	26.3	37,658	5.0	752,369	100.0	705,328	93.7	47,041	6.3	2.7
1984	460,233	60.2	64,143	8.4	202,259	26.5	37,821	4.9	764,456	100.0	717,592	93.9	46,864	6.1	2.7
1985	469,992	59.7	66,772	8.5	212,404	27.0	38,042	4.8	787,210	100.0	739,124	93.9	48,086	6.1	2.7
1986	482,897	58.8	69,446	8.5	229,925	28.0	38,966	4.7	821,234	100.0	773,487	94.2	47,747	5.8	2.7

Source: California Department of Finance, Population Research Unit, Population and Housing Estimates for California Cities and Counties, 1975-1986, Report E-5 (Sacramento).

(a) - As of January 1.

Table DS 4-12

Campground Inventory in San Diego County, 1986

County	Type	Name	Months Open	Tent Spaces	RV Spaces	Tent and RV Spaces	Hookups
San Diego	BLM	Cottonwood	AY			29	
San Diego	BLM	Lark Canyon	AY			20	
San Diego	City or Special District	Dixon Lake Recreation Area	AY			45	10 EWS
San Diego	City or Special District	Santee Lakes Regional Park	AY	50	102	50	152 EW, 102 S
San Diego	County Park	Agua Caliente County Park	AY		104	36	104 EW, 56 S
San Diego	County Park	Dos Picos County Park	AY	14	50		50 EW
San Diego	County Park	Guajome County Park	AY		21		EWS
San Diego	County Park	Lake Jennings County Park	AY	35	63	13	52 EW, 34 S
San Diego	County Park	Lake Morena County Park	AY			90	
San Diego	County Park	Otay Lake County Park	AY	16	24	8	
San Diego	County Park	Palomar Mountain County Park	AY	8			
San Diego	County Park	Potrero County Park	AY			32	32 EW
San Diego	County Park	Vallecito County Park	10-6			50	
San Diego	County Park	William Heise County Park	AY	43		40	
San Diego	Forest Service	Cleveland Natl Forest (Burnt Rancheria)	5-10	64		45	
San Diego	Forest Service	Cleveland Natl Fst (Agua Dulce Group Camp)	5-10	7			
San Diego	Forest Service	Cleveland Natl Fst (Boulder Oaks)	AY	6		12	
San Diego	Forest Service	Cleveland Natl Fst (Cibbets Flat)	5-10			14	
San Diego	Forest Service	Cleveland Natl Fst (Crestline Group Camp)	5-11	1			
San Diego	Forest Service	Cleveland Natl Fst (El Prado Group Camp)	5-10			5	
San Diego	Forest Service	Cleveland Natl Fst (Fry Creek)	5-11	12	8		
San Diego	Forest Service	Cleveland Natl Fst (Horse Haven Group Camp)	5-10			3	
San Diego	Forest Service	Cleveland Natl Fst (Indian Flats Camp)	4-11	17			
San Diego	Forest Service	Cleveland Natl Fst (Indian Flats Grp Camp)	4-11			2	
San Diego	Forest Service	Cleveland Natl Fst (Laguna)	AY	75	25	20	
San Diego	Forest Service	Cleveland Natl Fst (Oak Grove)	AY			81	
San Diego	Forest Service	Cleveland Natl Fst (Observatory)	5-11			42	
San Diego	Forest Service	Cleveland Natl Fst (Wooded Hill Grp Camp)	5-10			22	
San Diego	Privately Operated	Alpine RV Resort	AY			169	139 EW, 50 S
San Diego	Privately Operated	Border Gate RV Park	AY		179		179 EWS
San Diego	Privately Operated	Campland on the Bay	AY			705	580 EW, 432 S

Table DS 4-12 (Cont.)

Campground Inventory in San Diego County, 1986

County	Type	Name	Months Open	Tent Spaces	RV Spaces	Tent and RV Spaces	Hookups
San Diego	Privately Operated	Casitas Poquitos RV Park	AY		140		140 EWS
San Diego	Privately Operated	Chula Vista RV Park	AY		237		237 EWS
San Diego	Privately Operated	De Anza Harbor Resort	AY		250		250 EWS
San Diego	Privately Operated	International Motor Inn RV Park	AY		42		42 EWS
San Diego	Privately Operated	Lake Henshaw RV Park & Campground	AY			105	
San Diego	Privately Operated	Lake Morena Trailer Resort	AY		42		42 EW, 24 S
San Diego	Privately Operated	Paradise by the Sea	AY		102		102 EWS
San Diego	Privately Operated	Rancho Corrido	AY			120	120 EW, 20 S
San Diego	Privately Operated	San Diego Metropolitan KOA	AY			270	205 EWS
San Diego	Privately Operated	Santa Fe Travel Trailer Park	AY		128		128 EWS
San Diego	Privately Operated	Surf & Turf Travel Trailer Park	AY		234		234 EW, 166 S
San Diego	Privately Operated	Woods Valley Kampground	AY		59	30	89 EW, 47 S
San Diego	State Park	Anza(Borrego Desert ST Pk (Bow Willow)	AY			14	
San Diego	State Park	Anza(Borrego Desert St Pk (Yaqui Well)	AY	X		X	
San Diego	State Park	Anza-Borrego Desert St Pk (Arroyo Sal)	AY			X	
San Diego	State Park	Anza-Borrego Desert St Pk (Blair Vly)	AY			X	
San Diego	State Park	Anza-Borrego Desert St Pk (Borrego Palm)	AY		52	65	52 EWS
San Diego	State Park	Anza-Borrego Desert St Pk (Culp Valley)	AY			X	
San Diego	State Park	Anza-Borrego Desert St Pk (Fish Creek)	AY			15	
San Diego	State Park	Anza-Borrego Desert St Pk (Mt Palm Springs)	AY			10	
San Diego	State Park	Anza-Borrego Desert St Pk (Tamarisk Grove)	AY			27	
San Diego	State Park	Anza-Borrego Desert St Pk (Yaqui Pass)	AY			X	
San Diego	State Park	Cuyamaca Rancho St Pk (Green Vly Falls)	AY			81	
San Diego	State Park	Cuyamaca Rancho St Pk (Paso Picacho)	Ay			85	
San Diego	State Park	Palomar Mountain State Park	AY	21	10		
San Diego	State Park	San Elijo State Beach	AY			171	
San Diego	State Park	San Onofre State Beach	AY		93	88	
San Diego	State Park	South Carlsbad State Beach	AY			225	

Source: Automobile Club of California, Southern California Camping (Los Angeles: 1986).

AY - All Year.
E - Electric.
W - Water

Table DS 4-13

Police and Fire Departments/Districts, San Diego County, 1987

Police Departments

Carlsbad Police Department, Carlsbad
Chula Vista Police Department, Chula Vista
Coronado Police Department, Coronado
El Cajon Police Department, El Cajon
Escondido Police Department, Escondido
La Mesa Police Department, La Mesa
National City Police Department, National City
Oceanside Police Department, Oceanside
San Diego County Sheriff's Department, San Diego
San Diego Police Department, San Diego

Fire Departments and Fire Districts

Alpine Fire Protection District, Alpine
Bonita Sunnyside Fire Protection District, Bonita
Borrego Springs Fire Protection District, Borrego Springs
Bostonia Fire Protection District, El Cajon
Camp Pendleton Fire Department, Camp Pendleton
Campo Volunteer Fire Department, Campo
Carlsbad Fire Department, Carlsbad
California Department of Forestry, El Cajon
Chula Vista Department of Public Safety, Chula Vista
Coronado Fire Department, Coronado
Crest Fire Protection District, El Cajon
Deer Springs Fire Protection District, San Marcos
Del Dios Fire Department, Escondido
Del Mar Fire Department, Del Mar
Dulzura-Barrett Volunteer Fire Company, Dulzura
El Cajon Fire Department, El Cajon
Elfin Forest Volunteer Fire Department, Elfin Forest
Encinitas Fire Protection District, Encinitas
Escondido Fire Department, Escondido
Fallbrook Fire Protection District, Fallbrook
Federal Fire Department, San Diego
General Dynamics-Convair, San Diego
Grossmont-Mt. Helix Fire Protection District, El Cajon
Gulf General Atomic Corporation, San Diego
Harbison Canyon Fire Protection District, El Cajon
Imperial Beach Fire Department, Imperial Beach
Jacumba County Service Area #25, Jacumba
Julina Volunteer Fire Company, Julian
La Mesa Fire Department, La Mesa
Lake Cuyamaca Volunteer Fire Company, Julian
Lake Morena Volunteer Fire Department, Campo
Lakeside Fire Protection District, El Cajon
Lemon Grove Fire Department, Lemon Grove
Lower Sweetwater Fire Protection District, National City
Montgomery Fire Protection District, Chula Vista

Table DS 4-13 (Cont.)

Police and Fire Departments/Districts, San Diego County, 1987

Fire Departments and Fire Districts

Mt. Laguna Volunteer Fire Department, Mt. Laguna
National City Fire Department, National City
Oceanside Fire Department, Oceanside
Ocotillo Wells Fire Company, Borrego Springs
Palomar Mountain Volunteer Fire Department, Palomar Mountain
Pine Valley Fire Protection District, Pine Valley
Potrero Volunteer Fire Department, Potrero
Poway Safety Services, Poway
Rainbow Volunteer Fire Department, Fallbrook
Ramona Fire Protection Distrtict, Ramona
Rancho Santa Fe Fire Protection District, Rancho Santa Fe
Reservation Fire Department, Valley Center
Reservation Fire Protection District, B-2, El Cajon
Rincon Del Diablo Fire Department, Escondido
Rohr Industries Fire Department, Chula Vista
Rural County Fire Protection District, Jamul
San Diego Fire Department, San Diego
San Marcos Fire Protection District, San Marcos
San Pasqual Fire Department, Escondido
Santee Fire Department, Santee
Shelter Valley Volunteer Fire Department, Julian
Solana Local Fire Protection District, Solana Beach
Spring Valley Fire Protection District, Spring Valley
UC Campus Fire Marshall, La Jolla
Valley Center Fire Protection District, El Cajon
Warner Springs Ranch Fire Department, Warner Springs
Yuima Water District, El Cajon

Source: Commission on Peace Officer Standards and Training, Employment Data for California Law Enforcement (Sacramento: 1986).
California Fire Chiefs Association (Sacramento: 1987).

Table DS 4-14

State and Federal Large Water Systems, San Diego County, 1987

System Name	Area Served	Ownership	Sources of Water
California Dept of Forestry	Morena Conservation Camp	State	Wells
California Dept of Forestry	La Cima Conservation Camp	State	Wells
California Dept of Forestry	Puerta La Cruz Cons Camp	State	Wells
California State Parks	Ocotillo Wells Ranger Sta	State	Wells
California State Parks	Palm Canyon Reserve	State	Wells
California State Parks	Elephant Trees Ranger Sta	State	Wells
California State Parks	Bow Willow Campground	State	Spring
California State Parks	Coyote Canyon Campground	State	Wells
California State Parks	Tamarisk Grove Campground	State	Wells
California State Parks	Bow Willow Ranger Sta	State	Wells
California State Parks	Merrigan Ranch	State	Wells
California State Parks	Granite Spgs Trail Camp	State	Wells and Spring
California State Parks	Montane Area-Paso Picacho	State	Wells and Spring
California State Parks	Montane Area-Green Valley	State	Wells and Spring
California State Parks	Dynar City-CO Schl Camp	State	Wells and Spring
California State Parks	Arroyo Seco Trail Camp	State	Spring
California State Parks	Haul-CO-Cuish	State	Wells
California State Parks	Montane Area-Palomar Mtn	State	Wells
US Forest Service	Upper San Juan	Federal	Wells
US Forest Service	San Luis Rey PG	Federal	Spring
US Forest Service	Fry Creek CG	Federal	Spring
US Forest Service	Oak Grove CG	Federal	Wells
US Forest Service	Black Canyon CG	Federal	Wells
US Forest Service	Crestline	Federal	Wells
US Forest Service	Indians Flat CG	Federal	Spring
US Forest Service	Oasis SRR	Federal	Spring
US Forest Service	Descanso Station	Federal	Purchased
US Forest Service	Cuyapaipe Well	Federal	Wells
US Forest Service	Agta Dulle Well	Federal	Wells
US Forest Service	Libbets Flat CG	Federal	Wells
Bureau of Land Management	Lark Canyon-McCain Valley	Federal	Wells
Bureau of Land Management	Cottonwood-McCain Valley	Federal	Wells

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Source: State of California, Department of Health Services (Sacramento: 1987).

Table DS 4-15

Military Water Systems, San Diego County, 1987

System Name	Area Served	Ownership	Sources of Water	Population Served
USN Natural Resources - Marine Corps Base, Camp Pendelton	San Mateo	Federal	Wells	4,200
	San Onofre	Federal	Wells	8,000
	Main Camp	Federal	Wells	22,000
	Pulgas	Federal	Wells	2,700
USN FASOTRAGRUPAC	Warner Springs	Federal	Wells	170
USAF Station	Mt. Laguna AFS	Federal	Wells	250
Total				37,320

Source: State of California, Department of Health Services, Computer Printout (Sacramento: 1987).

Table DS 4-16

Enrollment by School District, by Grade, San Diego County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
Alpine Union Elementary	65	90	101	123	123	139	137	126	119	0	0	0	0	1,023	0
Bonsall Union Elementary	72	67	56	66	65	84	78	81	82	0	0	0	0	651	0
Borrego Springs Unified	14	22	17	20	21	20	20	28	28	30	28	23	23	294	25
Cajon Valley Union Elementary	1,183	1,172	1,152	1,182	1,397	1,424	1,386	1,333	1,335	0	0	0	0	11,564	0
Cardiff Elementary	91	81	85	80	101	148	132	0	0	0	0	0	0	718	0
Carlsbad Unified	281	282	248	272	323	309	306	308	298	356	399	423	451	4,256	355
Chula Vista City Elementary	1,537	1,687	1,651	1,782	2,098	2,220	2,206	0	0	0	0	0	0	13,181	0
Coronado Unified	130	124	147	146	162	157	186	150	154	184	196	232	175	2,143	202
Dehesa Elementary	14	11	12	10	13	15	13	9	12	0	0	0	0	109	0
Del Mar Union Elementary	94	95	107	129	125	163	169	0	0	0	0	0	0	882	0
Encinitas Union Elementary	388	394	392	377	427	482	448	0	0	0	0	0	0	2,908	0
Escondido Union Elementary	985	974	972	932	998	1,029	1,119	1,003	1,012	0	0	0	0	9,024	0
Escondido Union High	0	0	0	0	0	0	0	0	0	1,424	1,368	1,374	1,256	5,422	1,037
Fallbrook Union Elementary	442	457	356	353	401	408	370	403	336	0	0	0	0	3,526	0
Fallbrook Union High	0	0	0	0	0	0	0	0	0	487	482	499	471	1,939	413
Grossmont Union High	0	0	0	0	0	0	0	0	0	5,278	5,192	4,902	4,189	19,561	3,981
Jamul-Las Flores Union Elmentary	57	60	63	62	69	80	71	87	86	0	0	0	0	635	0
Julian Union Elementary	32	34	32	38	44	47	43	48	41	0	0	0	0	359	0
Julian Union High	0	0	0	0	0	0	0	0	0	76	67	61	43	247	41
La Mesa-Spring Valley Elementary	1,032	1,083	1,108	1,093	1,380	1,328	1,320	1,409	1,325	0	0	0	0	11,078	0
Lakeside Union Elementary	311	339	322	343	375	398	423	425	431	0	0	0	0	3,367	0
Lemon Grove Elementary	313	330	306	324	371	352	336	340	311	0	0	0	0	2,983	0
Mountain Empire Unified	100	100	123	107	99	122	96	111	111	106	100	91	62	1,328	65
National Elementary	731	902	708	714	633	652	646	0	0	0	0	0	0	4,986	0

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1980-81

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Total Enroll	Grads
Oceanside City Unified	1,004	988	874	922	899	866	797	738	707	1,050	656	601	499	10,601	575
Pauma Elementary	27	37	29	26	40	28	29	30	17	0	0	0	0	263	0
Poway Unified	907	1,013	956	1,033	1,158	1,261	1,210	1,226	1,460	1,203	1,256	1,256	2,019	15,958	1,005
Ramona City Unified	230	241	228	215	270	290	258	240	286	252	285	242	212	3,249	213
Ranch Santa Fe Elementary	29	28	38	36	43	60	87	58	49	0	0	0	0	428	0
San Diego City Unified	7,923	8,334	7,955	8,186	8,322	8,958	8,476	7,890	7,875	8,317	8,760	8,537	7,266	106,799	6,808
San Diego County Schools	4	5	7	6	1	5	5	12	19	105	137	103	47	456	15
San Dieguito Union High	0	0	0	0	0	0	0	807	849	956	940	940	936	5,428	877
San Marcos Unified	401	391	366	384	404	418	403	373	372	318	348	346	276	4,800	273
San Pasqual Union Elementary	10	16	21	14	20	17	25	24	18	0	0	0	0	165	0
San Ysidro Elementary	290	300	300	301	319	332	296	274	253	0	0	0	0	2,665	0
Santee Elementary	640	630	683	746	741	819	754	740	728	0	0	0	0	6,481	0
Solana Beach Elementary	80	110	105	123	137	158	150	0	0	0	0	0	0	863	0
South Bay Union Elementary	939	1,037	917	916	905	904	851	0	0	0	0	0	0	6,469	0
Spencer Valley Elementary	4	2	1	0	3	0	0	0	0	0	0	0	0	10	0
Sweetwater Union High	0	0	0	0	0	0	0	3,605	3,623	3,677	3,744	3,608	3,031	21,288	2,936
Vallecitos Elementary	14	24	16	11	13	16	21	12	13	0	0	0	0	140	0
Valley Center Union Elementary	115	113	120	139	121	129	142	132	120	0	0	0	0	1,131	0
Vista Unified	743	677	708	721	834	791	772	731	742	748	840	822	691	9,820	651
Warner Union Elementary	13	9	10	14	17	24	13	8	18	0	0	0	0	126	0
Total	21,245	22,259	21,292	21,946	23,472	24,653	23,794	22,761	22,830	24,567	24,798	24,060	21,647	299,324	19,472

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Alpine Union Elementary	93	82	81	96	120	132	123	155	120	0	0	0	0	0	0	1,002	0
Bonsall Union Elementary	69	82	63	68	76	76	83	83	81	0	0	0	0	0	0	681	0
Borrego Springs Unified	20	18	18	16	25	24	22	26	29	0	25	28	28	16	0	295	22
Cajon Valley Union Elementary	1,225	1,239	1,218	1,184	1,199	1,434	1,467	1,407	1,416	118	0	0	0	0	0	11,907	0
Cardiff Elementary	79	86	83	91	81	110	142	0	0	0	0	0	0	0	0	672	0
Carlsbad Unified	330	295	263	270	276	333	327	322	344	41	327	342	394	409	0	4,273	318
Chula Vista City Elementary	1,770	1,770	1,846	1,797	1,980	2,107	2,227	0	0	593	0	0	0	0	0	14,090	0
Coronado Unified	122	113	112	150	137	168	172	191	139	15	154	196	201	213	0	2,083	141
Dehesa Elementary	7	14	8	15	12	14	17	0	0	0	0	0	0	0	0	87	0
Del Mar Union Elementary	74	93	109	110	128	138	168	0	0	0	0	0	0	0	0	820	0
Encinitas Union Elementary	417	399	411	412	416	464	491	0	0	8	0	0	0	0	0	3,018	0
Escondido Union Elementary	1,038	983	992	961	944	995	1,110	1,135	978	127	0	0	0	0	0	9,263	0
Escondido Union High	0	0	0	0	0	0	0	0	0	0	1,375	1,385	1,319	1,292	0	5,371	1,065
Fallbrook Union Elementary	471	436	429	341	349	414	410	410	387	34	0	0	0	0	0	3,681	0
Fallbrook Union High	0	0	0	0	0	0	0	0	0	0	503	492	471	464	0	1,930	403
Grossmont Union High	0	0	0	0	0	0	0	0	0	0	5,261	4,934	4,714	4,232	246	19,387	3,798
Jamul-Las Flores Union Elmentary	53	61	68	70	70	74	83	77	94	8	0	0	0	0	0	658	0
Julian Union Elementary	43	37	28	38	42	49	48	48	49	11	0	0	0	0	0	393	0
Julian Union High	0	0	0	0	0	0	0	0	0	0	54	62	51	44	0	211	50
La Mesa-Spring Valley Elementary	1,178	1,034	1,110	1,139	1,084	1,403	1,355	1,441	1,388	104	0	0	0	0	0	11,236	0
Lakeside Union Elementary	332	340	356	351	356	360	406	425	442	58	0	0	0	0	0	3,426	0
Lemon Grove Elementary	321	317	309	324	320	369	369	358	362	36	0	0	0	0	0	3,085	0
Mountain Empire Unified	96	100	105	105	120	101	123	97	127	0	111	80	69	73	0	1,307	59
National Elementary	743	946	704	690	687	670	588	0	0	0	0	0	0	0	0	5,028	0

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1981-82

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Oceanside City Unified	1,075	1,011	948	944	893	905	848	822	758	122	977	671	529	560	156	11,219	520
Pauma Elementary	28	30	32	29	22	33	31	26	33	0	0	0	0	0	0	264	0
Poway Unified	915	1,011	1,016	1,014	1,123	1,112	1,368	1,255	1,208	13	1,227	1,227	1,217	1,213	0	14,919	957
Ramona City Unified	258	250	237	247	223	296	290	269	258	164	315	268	285	262	62	3,684	226
Ranch Santa Fe Elementary	32	33	34	42	42	54	59	89	60	0	0	0	0	0	0	445	0
San Diego City Unified	8,093	8,640	8,473	8,222	8,287	8,696	9,310	8,748	8,144	826	8,576	8,927	8,549	7,373	40	110,904	6,790
San Diego County Schools	1	2	2	2	3	1	3	7	21	0	101	106	89	44	0	382	4
San Dieguito Union High	0	0	0	0	0	0	0	914	833	0	999	1,052	957	885	0	5,640	871
San Marcos Unified	429	388	361	356	387	433	434	418	361	88	415	355	370	322	27	5,144	273
San Pasqual Union Elementary	17	12	16	22	14	19	22	23	21	0	0	0	0	0	0	166	0
San Ysidro Elementary	245	289	292	310	316	332	332	282	259	47	0	0	0	0	0	2,704	0
Santee Elementary	641	646	635	677	743	759	825	742	732	199	0	0	0	0	0	6,599	0
Solana Beach Elementary	122	83	123	105	130	137	199	0	0	0	0	0	0	0	0	899	0
South Bay Union Elementary	952	985	977	911	901	906	902	0	0	0	0	0	0	0	0	6,534	0
Spencer Valley Elementary	5	4	5	1	0	3	0	0	0	0	0	0	0	0	0	18	0
Sweetwater Union High	0	2	0	2	2	1	0	3,775	3,640	0	3,913	4,029	3,790	3,447	96	22,697	2,906
Vallecitos Elementary	22	11	23	16	14	12	15	15	10	0	0	0	0	0	0	138	0
Valley Center Union Elementary	136	116	127	128	138	136	151	161	119	5	0	0	0	0	0	1,217	0
Vista Unified	783	787	724	743	787	868	824	818	746	0	774	777	844	751	105	10,331	651
Warner Union Elementary	18	14	12	13	17	17	23	17	7	0	0	0	0	0	0	138	0
Total	22,253	22,759	22,350	22,012	22,464	24,155	25,367	24,556	23,166	2,617	25,107	24,931	23,877	21,600	732	307,946	19,054

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Alpine Union Elementary	89	92	88	87	104	131	141	144	162	7	0	0	0	0	0	1,045	0
Bonsall Union Elementary	88	74	75	65	64	75	78	81	78	9	0	0	0	0	0	687	0
Borrego Springs Unified	17	18	17	20	18	25	22	22	23	0	29	25	30	23	0	289	15
Cajon Valley Union Elementary	1,314	1,200	1,165	1,188	1,212	1,237	1,421	1,466	1,456	243	0	0	0	0	8	11,910	0
Cardiff Elementary	87	91	93	82	89	86	106	0	0	0	0	0	0	0	0	634	0
Carlsbad Unified	331	347	279	282	283	280	356	357	334	21	384	358	346	416	0	4,374	339
Chula Vista City Elementary	1,916	1,801	1,754	1,884	1,776	1,959	2,177	0	0	665	0	0	0	0	0	13,932	0
Coronado Unified	130	116	95	103	138	124	170	176	177	59	154	166	186	191	0	1,985	199
Dehesa Elementary	17	6	19	7	17	9	16	0	0	0	0	0	0	0	0	91	0
Del Mar Union Elementary	67	79	95	111	105	129	132	0	0	11	0	0	0	0	0	729	0
Encinitas Union Elementary	415	427	412	430	426	423	487	0	0	0	0	0	0	0	0	3,020	0
Escondido Union Elementary	1,134	1,070	968	1,009	977	965	1,031	1,119	1,125	197	0	0	0	0	5	9,600	0
Escondido Union High	0	0	0	0	0	0	0	0	0	0	1,366	1,373	1,365	1,262	0	5,366	1,057
Fallbrook Union Elementary	526	430	393	408	343	369	422	415	396	34	0	0	0	0	0	3,736	0
Fallbrook Union High	0	0	0	0	0	0	0	0	0	0	512	464	464	416	8	1,864	412
Grossmont Union High	0	0	0	0	0	0	0	0	0	0	5,257	4,932	4,433	4,118	243	18,983	3,599
Jamul-Las Flores Union Elmentary	52	51	61	68	70	74	75	92	86	8	0	0	0	0	0	637	0
Julian Union Elementary	42	41	32	31	33	35	55	46	55	10	0	0	0	0	0	380	0
Julian Union High	0	0	0	0	0	0	0	0	0	0	61	60	49	38	0	208	40
La Mesa-Spring Valley Elementary	1,174	1,144	1,042	1,081	1,131	1,116	1,411	1,460	1,440	152	0	0	0	0	0	11,151	0
Lakeside Union Elementary	364	342	355	371	356	366	393	433	431	69	0	0	0	0	0	3,480	0
Lemon Grove Elementary	359	366	309	342	332	322	355	392	338	0	0	0	0	0	0	3,115	0
Mountain Empire Unified	126	108	107	111	97	119	107	126	100	18	138	86	59	55	0	1,357	69
National Elementary	793	953	741	655	660	677	690	0	0	75	0	0	0	0	0	5,244	0

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1982-83

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Oceanside City Unified	1,155	1,072	981	902	877	880	887	886	822	166	993	656	558	475	186	11,496	563
Pauma Elementary	30	34	33	31	29	23	30	28	28	0	0	0	0	0	0	266	0
Poway Unified	989	1,026	1,027	1,042	1,059	1,166	1,249	1,349	1,248	0	1,290	1,240	1,198	1,266	0	15,149	950
Ramona City Unified	272	271	245	243	249	225	294	307	284	188	295	322	279	263	74	3,811	210
Ranch Santa Fe Elementary	34	34	32	39	45	41	59	61	88	0	0	0	0	0	0	433	0
San Diego City Unified	8,578	8,594	8,381	8,469	8,005	8,196	8,582	9,178	8,740	529	8,472	8,609	8,444	7,561	293	110,631	6,806
San Diego County Schools	0	0	1	1	0	2	2	10	26	0	102	98	68	33	123	466	5
San Dieguito Union High	0	0	0	0	0	0	0	997	955	0	1,048	1,030	1,012	855	0	5,897	821
San Marcos Unified	424	447	367	369	367	379	437	467	435	76	440	424	342	333	6	5,313	320
San Pasqual Union Elementary	22	22	11	19	21	15	21	29	24	0	0	0	0	0	0	184	0
San Ysidro Elementary	246	262	306	285	311	310	317	325	275	51	0	0	0	0	0	2,688	0
Santee Elementary	664	685	646	637	670	763	757	838	750	221	0	0	0	0	0	6,631	0
Solana Beach Elementary	117	114	82	122	109	130	150	0	0	15	0	0	0	0	0	839	0
South Bay Union Elementary	1,037	977	988	957	881	911	904	0	0	0	0	0	0	0	0	6,655	0
Spencer Valley Elementary	4	5	4	6	1	1	2	0	0	0	0	0	0	0	0	23	0
Sweetwater Union High	0	0	0	0	0	0	0	3,951	3,866	5	4,039	4,340	3,697	3,217	101	23,216	3,237
Vallecitos Elementary	28	15	12	21	14	11	15	15	14	0	0	0	0	0	0	145	0
Valley Center Union Elementary	156	130	113	129	131	143	142	150	141	22	0	0	0	0	0	1,257	0
Vista Unified	859	814	745	742	777	823	860	869	810	202	793	790	732	732	0	10,548	617
Warner Union Elementary	18	21	10	18	16	15	25	23	20	0	0	0	0	0	0	166	0
Total	23,674	23,279	22,084	22,367	21,793	22,555	24,378	25,812	24,727	3,053	25,373	24,973	23,262	21,254	1,047	309,631	19,259

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Alpine Union Elementary	117	112	106	89	87	106	134	148	139	5	0	0	0	0	0	1,043	0
Bonsall Union Elementary	69	88	81	70	76	70	77	81	83	7	0	0	0	0	0	702	0
Borrego Springs Unified	22	20	18	14	24	18	28	25	21	0	21	26	22	22	0	281	24
Cajon Valley Union Elementary	1,313	1,297	1,217	1,209	1,193	1,248	1,244	1,424	1,520	254	0	0	0	0	0	11,919	0
Cardiff Elementary	93	97	90	100	95	92	81	0	0	0	0	0	0	0	0	648	0
Carlsbad Unified	326	327	322	298	296	291	295	388	357	41	371	373	356	329	0	4,370	342
Chula Vista City Elementary	1,892	1,949	1,773	1,728	1,869	1,774	1,944	0	0	549	0	0	0	0	0	13,478	0
Coronado Unified	140	121	115	111	130	154	142	171	173	18	188	166	169	169	0	1,967	179
Dehesa Elementary	15	18	9	21	9	18	8	0	0	0	0	0	0	0	0	98	0
Del Mar Union Elementary	83	66	84	100	117	122	136	0	0	0	0	0	0	0	0	708	0
Encinitas Union Elementary	449	429	434	414	426	437	440	0	0	32	0	0	0	0	0	3,061	0
Escondido Union Elementary	1,166	1,142	1,050	996	1,033	974	1,012	1,099	1,098	139	0	0	0	0	7	9,716	0
Escondido Union High	0	0	0	0	0	0	0	0	0	0	1,463	1,231	1,311	1,211	182	5,398	1,171
Fallbrook Union Elementary	515	532	395	389	410	329	347	436	397	72	0	0	0	0	0	3,822	0
Fallbrook Union High	0	0	0	0	0	0	0	0	0	0	509	484	433	433	5	1,864	376
Grossmont Union High	0	0	0	0	0	0	0	0	0	0	5,412	5,114	4,524	3,959	246	19,255	3,704
Jamul-Las Flores Union Elmentary	48	65	47	64	69	69	80	82	96	11	0	0	0	0	0	631	0
Julian Union Elementary	40	46	40	38	33	35	39	58	48	9	0	0	0	0	0	386	0
Julian Union High	0	0	0	0	0	0	0	0	0	0	69	50	50	42	0	211	33
La Mesa-Spring Valley Elementary	1,193	1,169	1,162	1,066	1,100	1,099	1,136	1,512	1,485	135	0	0	0	0	0	11,057	0
Lakeside Union Elementary	400	396	324	350	370	376	372	421	465	78	0	0	0	0	0	3,552	0
Lemon Grove Elementary	362	384	309	304	346	338	326	392	376	20	0	0	0	0	0	3,157	0
Mountain Empire Unified	113	138	117	104	124	97	121	118	127	28	132	87	77	45	5	1,433	54
National Elementary	748	1,005	732	721	674	656	687	0	0	56	0	0	0	0	0	5,279	0

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1983-84

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Oceanside City Unified	1,141	1,095	1,008	964	899	842	861	875	860	145	1,044	717	557	484	165	11,657	476
Pauma Elementary	32	31	37	29	26	34	23	29	30	0	0	0	0	0	0	271	0
Poway Unified	1,064	1,059	1,045	1,021	1,081	1,072	1,200	1,296	1,370	24	1,331	1,318	1,230	1,183	40	15,334	1,042
Ramona City Unified	272	284	278	256	260	268	236	298	323	124	332	299	317	245	71	3,863	251
Ranch Santa Fe Elementary	33	43	36	38	49	49	42	68	65	0	0	0	0	0	0	423	0
San Diego City Unified	8,938	9,029	8,320	8,148	8,341	8,007	8,142	8,728	9,117	741	9,031	8,534	8,085	7,292	365	110,818	6,668
San Diego County Schools	0	0	0	0	1	1	2	19	31	48	96	101	58	32	236	625	13
San Dieguito Union High	0	0	0	0	0	0	0	878	1,012	0	1,184	1,043	1,021	891	0	6,029	831
San Marcos Unified	388	418	401	376	380	356	366	470	465	90	492	419	372	284	0	5,277	291
San Pasqual Union Elementary	11	22	22	11	21	17	17	24	26	0	0	0	0	0	0	171	0
San Ysidro Elementary	220	258	250	308	298	299	324	324	311	55	0	0	0	0	0	2,647	0
Santee Elementary	698	702	671	658	646	679	781	755	844	224	0	0	0	0	0	6,658	0
Solana Beach Elementary	101	126	108	92	122	126	131	0	0	12	0	0	0	0	0	818	0
South Bay Union Elementary	939	1,074	976	995	947	882	900	0	0	54	0	0	0	0	0	6,767	0
Spencer Valley Elementary	6	6	3	3	5	0	1	1	0	0	0	0	0	0	0	25	0
Sweetwater Union High	0	0	0	0	0	0	0	3,952	3,918	6	4,416	4,309	3,777	2,982	119	23,479	3,028
Vallecitos Elementary	29	18	14	14	23	20	17	15	14	0	0	0	0	0	0	164	0
Valley Center Union Elementary	175	179	151	121	131	135	150	137	148	43	0	0	0	0	0	1,370	0
Vista Unified	901	887	783	768	741	796	818	899	837	131	887	782	699	618	252	10,799	652
Warner Union Elementary	18	14	20	14	18	19	16	17	21	0	0	0	0	0	0	157	0
Total	24,070	24,646	22,548	22,002	22,470	21,905	22,676	25,140	25,777	3,151	26,978	25,053	23,058	20,221	1,693	311,388	19,135

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Alpine Union Elementary	119	137	110	106	92	92	118	128	147	8	0	0	0	0	0	1,057	0
Bonsall Union Elementary	67	84	79	69	73	80	67	71	73	0	0	0	0	0	0	663	0
Borrego Springs Unified	26	24	23	18	20	22	19	26	28	0	23	28	26	23	0	306	20
Cajon Valley Union Elementary	1,414	1,386	1,340	1,266	1,210	1,219	1,242	1,305	1,435	252	0	0	0	0	0	12,069	0
Cardiff Elementary	89	94	90	87	105	97	99	0	0	0	0	0	0	0	0	661	0
Carlsbad Unified	369	339	352	366	312	307	304	325	388	91	457	413	339	304	83	4,749	282
Chula Vista City Elementary	1,927	1,925	1,920	1,823	1,759	1,895	1,814	0	0	501	0	0	0	0	0	13,564	0
Coronado Unified	140	145	117	120	116	125	148	150	176	8	200	170	163	167	0	1,945	150
Dehesa Elementary	13	14	15	9	26	10	23	0	0	0	0	0	0	0	0	110	0
Del Mar Union Elementary	99	98	75	86	110	116	127	0	0	8	0	0	0	0	0	719	0
Encinitas Union Elementary	540	466	445	450	447	450	468	0	0	11	0	0	0	0	0	3,277	0
Escondido Union Elementary	1,178	1,194	1,097	1,064	996	977	1,017	997	1,088	202	0	0	0	0	0	9,810	0
Escondido Union High	0	0	0	0	0	0	0	0	0	0	1,452	1,487	1,244	1,218	0	5,401	1,161
Fallbrook Union Elementary	537	512	478	419	389	406	337	362	435	21	0	0	0	0	0	3,896	0
Fallbrook Union High	0	0	0	0	0	0	0	0	0	0	496	509	451	407	0	1,863	368
Grossmont Union High	0	0	0	0	0	0	0	0	0	0	5,694	5,125	4,594	3865	224	19,502	3,568
Jamul-Las Flores Union Elmentary	76	61	59	53	68	85	71	79	76	0	0	0	0	0	0	628	0
Julian Union Elementary	45	42	47	42	36	35	35	41	53	13	0	0	0	0	0	389	0
Julian Union High	0	0	0	0	0	0	0	0	0	0	58	63	49	50	0	220	38
La Mesa-Spring Valley Elementary	1,325	1,196	1,197	1,175	1,094	1,101	1,144	1,246	1,539	124	0	0	0	0	0	11,141	0
Lakeside Union Elementary	399	369	389	338	381	375	380	414	433	67	0	0	0	0	0	3,545	0
Lemon Grove Elementary	388	393	382	322	323	346	351	332	343	27	0	0	0	0	0	3,207	0
Mountain Empire Unified	123	111	130	126	104	116	111	125	110	0	144	116	93	52	0	1,461	50
National Elementary	782	966	768	697	726	677	663	8	0	89	0	0	0	0	0	5,376	0

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1984-85

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Oceanside City Unified	1,241	1,173	1,062	961	945	900	808	885	845	137	1,111	762	549	492	135	12,006	499
Pauma Elementary	43	39	29	32	27	27	26	23	27	0	0	0	0	0	0	273	0
Poway Unified	1,124	1,174	1,081	1,081	1,092	1,171	1,120	1,274	1,349	22	1,446	1,372	1,342	1,245	42	15,935	977
Ramona City Unified	341	332	279	295	292	278	297	270	352	3	372	328	287	293	31	4,050	244
Ranch Santa Fe Elementary	36	43	52	41	43	60	53	44	70	0	0	0	0	0	0	442	0
San Diego City Unified	9,189	9,150	8,854	8,457	8,222	8,386	7,911	8,336	8,499	717	9,489	9,234	8,308	6,340	271	111,363	6,475
San Diego County Schools	2	0	2	3	0	3	3	27	82	22	237	213	132	111	47	884	23
San Dieguito Union High	0	0	0	0	0	0	0	818	891	0	1,245	1,237	1,045	936	0	6,172	811
San Marcos Unified	409	416	433	384	364	362	383	404	461	98	514	444	406	327	20	5,425	285
San Pasqual Union Elementary	18	20	17	21	14	24	22	23	26	0	0	0	0	0	0	185	0
San Ysidro Elementary	312	257	273	242	319	303	315	326	334	34	0	0	0	0	0	2,715	0
Santee Elementary	802	714	702	683	685	658	702	804	766	236	0	0	0	0	0	6,752	0
Solana Beach Elementary	131	119	121	100	93	127	130	0	0	16	0	0	0	0	0	837	0
South Bay Union Elementary	1,100	1,037	1,078	951	1,028	979	907	0	0	1	0	0	0	0	0	7,081	0
Spencer Valley Elementary	11	5	7	3	2	2	0	0	0	0	0	0	0	0	0	30	0
Sweetwater Union High	0	0	0	0	0	0	0	3,874	3,977	4	4,769	4,541	3,783	3,150	142	24,240	2,726
Vallecitos Elementary	16	19	20	22	12	21	19	20	14	0	0	0	0	0	0	163	0
Valley Center Union Elementary	193	186	168	158	137	140	153	177	149	49	0	0	0	0	0	1,510	0
Vista Unified	1,010	964	881	808	789	789	856	869	921	74	933	905	772	686	111	11,368	565
Warner Union Elementary	23	18	16	19	17	19	20	14	17	0	0	0	0	0	0	163	0
Total	25,657	25,222	24,188	22,897	22,468	22,780	22,263	23,797	25,104	2,835	28,640	26,947	23,583	19,666	1,106	317,153	18,242

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Alpine Union Elementary	136	141	120	114	117	100	104	122	136	7	0	0	0	0	0	1,097	0
Bonsall Union Elementary	128	76	87	80	75	83	83	67	78	10	0	0	0	0	0	767	0
Borrego Springs Unified	20	30	28	21	15	22	25	19	22	0	28	21	30	26	0	307	21
Cajon Valley Union Elementary	1,626	1,502	1,415	1,381	1,298	1,293	1,290	1,304	1,342	244	0	0	0	0	0	12,695	0
Cardiff Elementary	126	99	89	96	81	106	95	0	0	9	0	0	0	0	0	701	0
Carlsbad Unified	442	381	356	341	375	329	350	322	333	88	469	435	403	286	89	4,999	294
Chula Vista City Elementary	2,102	2,042	1,926	1,909	1,834	1,812	1,930	0	0	482	0	0	0	0	0	14,037	0
Coronado Unified	125	177	146	122	123	127	134	145	139	12	175	198	184	186	0	1,993	167
Dehesa Elementary	21	20	17	15	10	22	11	0	0	0	0	0	0	0	0	116	0
Del Mar Union Elementary	89	107	101	87	92	122	124	0	0	10	0	0	0	0	0	732	0
Encinitas Union Elementary	598	571	486	484	484	460	463	0	0	47	0	0	0	0	0	3,593	0
Escondido Union Elementary	1,273	1,278	1,116	1,093	1,068	1,029	1,029	1,060	1,002	199	0	0	0	0	0	10,147	0
Escondido Union High	0	0	0	0	0	0	0	0	0	0	1,480	1,435	1,495	1,041	98	5,549	997
Fallbrook Union Elementary	588	507	490	468	400	404	398	352	372	8	0	0	0	0	0	3,987	0
Fallbrook Union High	0	0	0	0	0	0	0	0	0	0	545	498	516	450	0	2,009	341
Grossmont Union High	0	0	0	0	0	0	0	0	0	0	5,989	5,393	4,597	3,838	212	20,029	3,192
Jamul-Las Flores Union Elmentary	72	82	70	76	58	71	83	79	81	0	0	0	0	0	0	672	0
Julian Union Elementary	60	54	43	47	46	44	38	42	44	11	0	0	0	0	3	432	0
Julian Union High	0	0	0	0	0	0	0	0	0	0	59	56	47	40	0	202	38
La Mesa-Spring Valley Elementary	1,424	1,331	1,209	1,211	1,187	1,151	1,126	1,270	1,283	203	0	0	0	0	0	11,395	0
Lakeside Union Elementary	410	430	383	391	343	400	386	402	417	77	0	0	0	0	0	3,639	0
Lemon Grove Elementary	419	400	387	395	338	315	346	347	332	7	0	0	0	0	0	3,286	0
Mountain Empire Unified	143	143	121	137	124	107	130	122	126	15	121	127	80	57	7	1,560	51
National Elementary	812	1,073	760	731	667	724	662	0	0	104	0	0	0	0	0	5,533	0

Table DS 4-16 (Cont.)

Enrollment by School District, by Grade, San Diego County, 1985-86

School District	K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Other Elem	Grade 9	Grade 10	Grade 11	Grade 12	Other Sec	Total Enroll	Grads
Oceanside City Unified	1,392	1,269	1,152	1,077	963	924	874	878	872	124	1,245	862	639	492	2	12,765	463
Pauma Elementary	51	53	34	34	35	33	30	31	24	0	0	0	0	0	0	325	0
Poway Unified	1,243	1,262	1,217	1,169	1,157	1,175	1,251	1,237	1,315	25	1,513	1,544	1,603	1,075	0	16,786	1,050
Ramona City Unified	346	369	343	282	327	301	287	328	312	16	423	364	278	255	38	4,269	270
Ranch Santa Fe Elementary	49	47	52	53	48	50	61	57	43	0	0	0	0	0	0	460	0
San Diego City Unified	10,038	9,782	9,050	8,797	8,440	8,235	8,240	8,092	8,284	860	9,094	9,507	8,694	6,370	169	113,652	6,203
San Diego County Schools	2	0	4	2	2	4	7	51	99	21	350	274	214	100	28	1,158	54
San Dieguito Union High	0	0	0	0	0	0	0	883	936	0	1,137	1,348	1,363	841	0	6,508	854
San Marcos Unified	472	450	416	429	412	390	380	404	417	118	521	483	491	289	41	5,713	329
San Pasqual Union Elementary	14	20	20	21	22	17	19	23	22	0	0	0	0	0	0	178	0
San Ysidro Elementary	330	343	271	312	268	345	314	321	296	62	0	0	0	0	0	2,862	0
Santee Elementary	843	791	734	713	689	699	681	704	813	229	0	0	0	0	0	6,896	0
Solana Beach Elementary	137	131	130	127	115	110	148	0	0	16	0	0	0	0	0	914	0
South Bay Union Elementary	1,196	1,216	1,067	1,076	974	1,038	1,009	0	0	0	0	0	0	0	0	7,576	0
Spencer Valley Elementary	4	8	3	4	2	3	0	0	0	0	0	0	0	0	0	24	0
Sweetwater Union High	0	0	0	0	0	0	0	3,878	3,884	0	4,932	4,645	3,936	3,138	149	24,562	2,948
Vallecitos Elementary	19	9	19	21	17	12	20	17	8	0	0	0	0	0	0	142	0
Valley Center Union Elementary	174	172	190	170	176	152	159	169	186	22	0	0	0	0	0	1,570	0
Vista Unified	1,053	999	925	906	845	818	798	842	869	164	970	972	849	633	139	11,782	551
Warner Union Elementary	25	28	20	18	18	21	18	20	17	0	0	0	0	0	0	185	0
Total	28,002	27,393	24,997	24,410	23,245	23,048	23,103	23,588	24,104	3,190	29,051	28,162	25,419	19,117	975	327,804	17,823

Source: State of California, Department of Education, CBEDS Data Collection (Sacramento: computer printout, 1980 to 1985).

Table 4-17

Military Airport Facilities, San Diego County, 1987

Associated City	Airport Name	Ownership	Instrument Approach	Number of Runways/ Helipads	Largest (in feet)
Coronado	Turner Field/ Amphibious Base	Military - Navy	No	1 - H	100 x 100
Imperial Beach	Imperial Beach/REAM Field	Military - Navy		2 - R	5,000
Oceanside	Camp Pendleton MCAF	Military - Navy	Yes	1 - R	6,000
San Diego	Miramar NAS (Mitscher Field)	Military - Navy	Yes	3 - R	12,000
San Diego	North Island NAS (Halsey Field)	Military - Navy	Yes	2 - R	8,000

Source: U.S. Department of Transportation, Federal Aviation Administration, Airport Master Record (Washington, D.C.: 1987).

Table DS 4-18

Government Finance for San Diego County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Revenue: Property Tax 1979-1980	Property Tax 1984-1985	Sales and Use Taxes 1979-1980	Sales and Use Taxes 1984-1985	Other Taxes 1979-1980	Other Taxes 1984-1985	Total Taxes 1979-1980	Total Taxes 1984-1985	Intergovernmental Transfers 1979-1980	Intergovernmental Transfers 1984-1985	Other Revenue Sources 1979-1980	Other Revenue Sources 1984-1985	Total Revenue 1979-1980	Total Revenue 1984-1985
Carlsbad	$3,483	$4,965	$4,010	$5,669	$1,713	$9,196	$9,206	$19,830	$2,502	$3,988	$4,259	$12,239	$15,967	$36,057
Chula Vista	3,497	3,973	5,065	5,592	3,462	4,123	12,023	13,688	8,380	6,246	5,716	8,149	26,120	28,082
Coronado	2,047	2,749	692	754	1,326	2,430	4,064	5,934	1,549	1,156	2,317	4,139	7,931	11,230
Del Mar	480	634	289	469	633	429	1,402	1,532	403	674	488	2,791	2,293	4,997
El Cajon	2,653	3,091	8,662	9,128	1,479	2,174	12,795	14,393	5,837	5,300	5,476	7,253	24,108	26,946
Escondido	2,574	4,390	7,714	9,015	1,982	11,634	12,269	25,039	5,731	5,086	4,007	20,556	22,008	58,601
Imperial Beach	920	967	411	468	257	316	1,588	1,751	2,350	1,526	1,621	2,216	5,559	5,493
La Mesa	1,788	1,970	4,772	5,497	899	1,319	7,459	8,786	3,873	3,417	2,222	4,125	13,554	16,329
Lemon Grove	451	514	1,277	1,581	247	373	1,975	2,468	1,641	1,130	662	971	4,279	4,569
National City	1,624	1,662	5,303	7,661	710	1,472	7,717	10,795	4,412	3,940	2,343	3,929	14,472	18,664
Oceanside	4,518	6,315	3,360	4,356	1,859	8,421	9,737	19,092	9,863	6,558	11,644	44,480	31,244	70,130
Poway (b)	NA	3,709	NA	1,631	NA	1,593	NA	6,932	NA	2,687	NA	10,521	NA	20,140
San Diego	48,855	65,962	64,553	74,264	33,141	60,303	146,549	200,528	113,512	47,334	98,221	314,143	358,281	562,005
San Marcos	400	632	1,472	2,657	416	390	2,289	3,679	1,400	1,251	980	2,330	4,670	7,261
Santee (c)	NA	1,653	NA	2,251	NA	1,151	NA	5,056	NA	2,979	NA	2,626	NA	10,661
Vista	1,487	2,117	1,617	1,864	1,314	2,838	4,418	6,819	2,770	2,635	2,685	8,329	9,874	17,783
City Subtotal	$74,777	$105,301	$109,275	$132,857	$49,439	$108,163	$233,491	$346,322	$164,224	$95,907	$142,643	$448,798	$540,358	$898,947
County	$108,942	$176,164	$13,522	$13,009	$6,594	$10,566	$129,058	$199,739	$429,758	$488,606	$90,001	$130,320	$648,817	$818,665
City and County	$183,718	$281,465	$122,798	$145,866	$56,033	$118,730	$362,549	$546,061	$593,982	$584,513	$232,644	$579,117	$1,189,174	$1,717,611

Table DS 4-18 (Cont.)

Government Finance for San Diego County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures											
	General Government		Public Protection		Public Ways and Facilities		Health and Sanitation		Public Assistance		Education	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Carlsbad	$3,576	$2,676	$3,779	$7,872	$3,454	$4,017	$310	$1,423	NA	NA	$857	NA
Chula Vista	5,321	2,419	7,794	9,825	5,739	2,717	0	2,180	NA	NA	1,365	NA
Coronado	1,914	611	2,183	3,887	942	1,380	0	1,370	NA	NA	414	NA
Del Mar	910	341	637	806	698	673	0	628	NA	NA	0	NA
El Cajon	7,126	6,284	6,030	8,388	4,466	3,405	0	1,979	NA	NA	0	NA
Escondido	5,784	2,159	7,058	10,191	5,517	6,820	0	3,870	NA	NA	459	NA
Imperial Beach	1,208	830	1,318	1,666	2,020	380	0	1,218	NA	NA	0	NA
La Mesa	3,434	1,254	4,132	6,257	4,791	3,456	0	1,300	NA	NA	0	NA
Lemon Grove	621	438	1,419	1,929	718	563	0	0	NA	NA	0	NA
National City	2,774	1,333	3,668	6,969	3,348	4,119	0	1,034	NA	NA	473	NA
Oceanside	7,622	3,148	9,214	14,763	7,363	5,971	778	13,261	NA	NA	803	NA
Poway (b)	NA	2,134	NA	3,375	NA	4,631	NA	1,301	NA	NA	NA	NA
San Diego	90,210	42,970	108,314	128,794	61,705	37,946	3,869	74,004	NA	NA	6,744	NA
San Marcos	984	850	386	793	2,901	2,573	0	95	NA	NA	0	NA
Santee (c)	NA	860	NA	3,550	NA	1,975	NA	13	NA	NA	NA	NA
Vista	2,397	155	3,143	4,648	3,584	1,101	0	2,727	NA	NA	0	NA
City Subtotal	$133,882	$68,461	$159,075	$213,712	$107,246	$81,727	$4,957	$106,402	NA	NA	$11,115	NA
County	$135,451	$131,290	$162,773	$182,475	$39,903	$36,342	$66,989	$110,414	$285,934	$321,871	$5,089	$6,123
City and County	$269,333	$199,751	$321,848	$396,187	$147,149	$118,069	$71,946	$216,816	NA	NA	$16,203	NA

Table DS 4-18 (Cont.)

Government Finance for San Diego County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

City/ County	Expenditures									
	Recreation and Culture		Debt Service		Public Utilities		Community Development		Total Expenditures	
	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985	1979-1980	1984-1985
Carlsbad	$1,068	$3,368	NA	NA	NA	$1,031	NA	$3,568	$13,071	$23,955
Chula Vista	3,087	4,552	NA	NA	NA	0	NA	2,904	23,306	24,594
Coronado	1,146	3,097	NA	NA	NA	0	NA	338	8,653	10,682
Del Mar	743	698	NA	NA	NA	867	NA	207	2,989	4,220
El Cajon	2,342	1,251	NA	NA	NA	0	NA	1,023	19,966	22,328
Escondido	1,799	3,931	NA	NA	NA	13,316	NA	2,820	20,618	43,109
Imperial Beach	458	432	NA	NA	NA	0	NA	218	5,003	4,761
La Mesa	1,375	2,624	NA	NA	NA	0	NA	783	13,734	15,675
Lemon Grove	211	368	NA	NA	NA	0	NA	196	2,969	3,493
National City	1,705	2,277	NA	NA	NA	0	NA	1,069	14,493	16,800
Oceanside	5,429	4,189	NA	NA	NA	13,950	NA	3,742	31,613	59,086
Poway (b)	NA	1,103	NA	NA	NA	4,341	NA	1,140	NA	15,097
San Diego	51,869	46,687	NA	NA	NA	86,144	NA	32,567	349,085	463,939
San Marcos	560	738	NA	NA	NA	0	NA	815	4,831	5,864
Santee (c)	NA	814	NA	NA	NA	0	NA	899	NA	8,112
Vista	958	1,646	NA	NA	NA	0	NA	1,702	10,081	11,982
City Subtotal	$72,751	$77,774	NA	NA	NA	$119,649	NA	$53,990	$520,410	$733,696
County	$6,525	$4,100	$4,273	$9,639	NA	NA	NA	NA	$693,643	$802,251
City and County	$79,276	$81,874	NA	NA	NA	NA	NA	NA	$1,214,053	$1,535,947

Table DS 4-18 (Cont.)

Government Finance for San Diego County and its Cities, Fiscal Years 1980 and 1985

(in thousand of 1986 dollars)

Source: California State Controller's Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controller's Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

(b) - The city of Poway was incorporated in 1980.

(c) - The city of Santee was incorporated in 1980.

NA - Not available.

Data may not be directly comparable. See table in this data supplement entitled Government Finance: Supplementary Expenditures Information" for a listing of the components of each category.

Table DS 4-19

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
General	General	General Government	General Government
Legislative and Administrative	Legislative and Administrative	Departmental	Legislative
Board of Supervisors	Board of Supervisors	City Council	Management and Support
Chief Administrative	Clerk of Board	Manager/Administrator	
Housing and Community Development	Administrative Officer	City Clerk	Public Safety
Planning and Land Use	Council of Governments	Controller/Finance Officer	Police
Finance	Other	City Treasurer	Fire
Chief Administrative	Finance	City Attorney	Emergency Medical Services
Auditor and Controller	Auditor/Controller	Planning	Animal Regulation
Assessor	Treasurer/Tax Collector	Personnel Administration	Weed Abatement
Treasurer/Tax Collector	Assessor	General Government Buildings	Street Lighting
Purchasing Agent	Purchasing Agent	Nondepartmental	Disaster Preparedness
Revenue and Recovery	Other	Debt Service	Other
Counsel	Counsel	General Obligation Bonds - Interest	
County Counsel	County Counsel	General Obligation Bonds - Principal	Community Development
Personnel	District Attorney (Legal Advice)	Non-enterprise Bonds - Principal	Planning
Chief Administrative	Other	Non-enterprise Bonds - Interest	Construction and Engineering Regulation
Civil Service and Personnel	Counsel	Other Long Term Debt - Interest	Enforcement
Elections	Personnel	Other Long Term Debt - Principal	Redevelopment
Registrar of Voters	Elections	Retirement	Housing
Communications	Communications	Insurance	Employment
Community Services Agency (CSA) -	Property Management	Community Promotion	Community Promotion
General Services	Plant Acquisition	Elections	Other
Property Management	Jails	Other	
CSA - General Services	Courts		Health
Property Management	Other	Public Safety	Physical and Mental Health
Plant Acquisition	Promotion	Police Protection	Hospitals and Sanitariums
CSA - Capital Improvement	Other General	Fire Protection	Solid Waste
Federal Revenue Sharing		Building Regulation	Sewers

Table DS 4-19 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Accumulated Capital Outlay	Public Protection	Animal Regulation	Cemetaries
Other General	Judicial	Civil Defense	Other
Chief Administrative	Superior Courts		
Equal Opportunity Management Office	Municipal Courts	Public Works	Culture and Leisure
EDP Services	Justice Courts	Engineering and Administration -	Parks and Recreation
CSA	Court Reporter	Streets, Storm Drains, Street Lighting	Marinas and Wharfs
CSA - Capital Improvement	County Clerk	Parking Facilities	Libraries
CSA - Federal Revenue Sharing	Grand Jury	Sewage Collection and Disposal	Museums
Accumulated Capital Outlay	District Attorney - Prosecution	Waste Collection and Disposal	Golf Courses
General Services	District Attorney - Family Support	Unallocated Costs - Shops and Corporation	Sports Arenas/Stadiums
Planning and Land Use	Public Defender	Yards	Community Centers/Auditoriums
Department of Transportation -	Court Appointed Counsel		Other
General Fund	Marshal - Court	Health	
	Sheriff - Court	Health Services	Public Utilities
Public Protection	Police Protection		Water
Judicial	Detention and Correction	Libraries	Gas
Fiscal and Justice Office	Adult Detention	Library Services	Electric
Criminal Justice Planning	Juvenile Detention		Other
Superior Court	Probation	Parks and Recreation	
Municipal Court	Fire Protection	Parks and Recreation	
Sheriff	Flood Control		
Grand Jury	Soil and Water Conservation		
County Clerk	Protective Inspection		
District Attorney	Agricultural Commissioner		
Office of Defender Services	Building Inspector		
Police Protection	Livestock Inspector		
Sheriff	Sealer of Weights and Measures		
Marshal	Other Protection		
Detention and Correction	LAFCO		

Table DS 4-19 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Sheriff	Recorder		
Probation	Coroner		
Fire Protection	Emergency Services		
Chief Administrative	Planning and Zoning		
Protective Inspection	Pound		
Department of Animal Control			
Department of Agriculture	Public Ways and Facilities		
Department of Health Services	Roads		
Other Protection	Transportation Terminals		
Chief Administrative	Transportation Systems		
Recorder	Parking Facilities		
Public Administrator			
Coroner	Health		
Department of Human Services	Public Health		
County Grazing and Advisory Board	Medical Care		
Fish and Game Commission	Mental Health		
Department of Planning and Land Use			
Survey Monument Preservation	Sanitation		
Department of Air Pollution Control	Refuse Collection and Disposal		
Public Ways and Facilities	Public Assistance		
Public Ways	Aid Programs		
Department of Transportation -	Cash (Grant) Aid Programs		
Road Fund	Social Services Administration and		
Transportation Terminals	Programs		
Special Aviation	Other		
Transportation Systems	General Relief		
Administrative Claims and B&P	Aid to Indigents		
	Indigent Burials		

Table DS 4-19 (Cont.)

Government Finance: Supplementary Expenditures Information

County		City	
1979-1980	1984-1985	1979-1980	1984-1985
Health and Sanitation	Care of Court Wards		
Health	Veteran's Services		
Department of Health Services	Other Public Assistance		
Hospital Care	JTPA		
Department of Health Services	Other		
Sanitiation			
Sanitation and Flood Control	Education		
	School Administration		
Public Assistance	Library Services		
Administration	Agriculture Education		
Chief Administrative	Other		
Department of Human Services			
Area Agency on Aging - Federal	Recreation and Culture Services		
Revenue Sharing	Recreation Facilities		
Department of Health Services	Cultural Services		
Department of Public Welfare	Veteran's Memorial Building		
Aid Programs	Small Craft Harbor		
General Relief			
Department of Public Welfare	Debt Service		
Care of Court Wards	Retirement of Long Term Debt		
Other Assistance	Interest of Long Term Debt		
Department of Public Welfare	Interest of Short Term Notes and		
Department of Health Services	Warrants		
Education			
Library Services			
County Library			
Government Reference Library			
Agriculture Education			

Table DS 4-19 (Cont.)

Government Finance: Supplementary Expenditures Information

	County		City	
	1979-1980	1984-1985	1979-1980	1984-1985
Farm Advisor				
Recreation and Cultural Services				
Recreation Facilities				
Department of Parks and Recreation				
Park Land Dedication				
Debt Service				
Bond Redemptions				
Bond Interest				
Interest on Notes and Warrants				

Source: California State Controllers Office, Financial Transactions Concerning Cities of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).
California State Controllers Office, Financial Transactions Concerning Counties of California, Annual Report 1979-1980 and 1984-1985 (Sacramento).

Table DS 4-20

Major Species of Fish

Crustaceans: Crab, Crayfish, Lobster
Shrimp, Prawns

Flatfish: Flounder, Halibut, Sole, Turbot

Hake and Cod

Herring and Anchovy: Anchovy, Herring, and Sardine

Lingcod

Marine Plants: Algae, Kelp

Mollusk: Abalone, Barnacle, Clams, Limpet, Mussels, Octopus, Oysters, Scallops, Sea Slugs, Sea Snails, Squid, Whelk

Other - Fish: Barracuda, Bass, Butterfish, Cabezon, Croaker, Eel, Grenadiers, Greenling, Grunion, Jacksmelt, Louvar, Mackerel, Opah, Queenfish, Scorpionfish, Sculpin, Seabass, Silversides, Surfperch, Swordfish, Thornyhead, Wolf-eel, Yellowtail

- Invertebrates: Colonials, Coral, Sea Cucumbers, Sea Hares, Sea Spiders, Seastars, Sponges, Tunicates, Urchins, Worms

- Vertebrates: Bull Frog

Rockfish

Sablefish

Salmon

Sanddab

Shark, Skates, and Ray: Guitarfish, Ray, Shark, Skate

Smelt

Tuna

Source: Kearney/Centaur Division, A.T. Kearney Inc., Washington, D.C., 1987.

Table DS 4-21

GNP Implicit Price Deflator

Year	Price Index for 1972 Base Year	Price Deflator for 1986 Base Year
1970	91.5	2.593
1971	96.0	2.472
1972	100.0	2.373
1973	105.8	2.243
1974	115.1	2.062
1975	125.8	1.886
1976	132.3	1.794
1977	140.1	1.694
1978	150.4	1.578
1979	163.4	1.452
1980	178.4	1.330
1981	195.1	1.216
1982	206.9	1.147
1983	215.6	1.101
1984	223.9	1.060
1985	239.7	0.990
1986	237.3	1.000

Source: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Product Accounts of the United States, 1929-1976, Current Survey of Business, July, 1972-1986, Current Survey of Business, December, 1986.

Note: The real prices presented in all tables in this document were derived by multiplying the 1986 deflator to the unadjusted data. For example, data collected in 1980 dollars were converted to real 1986 dollars by the 1980-1986 GNP Implicit Price Deflator of 1.330. To convert a price given in 1986 dollars to an earlier year, divide the 1986 figure by the GNP Implicit Price Deflator for the desired year.

APPENDICES

APPENDIX A

LIST OF CONTACTS

LIST OF CONTACTS

Adrian, Kathy. Villa Park City Hall, Villa Park, CA.

Balch, John. California Department of Health Services, Sacramento, CA.

Brittner, Gary. California Department of Forestry, Sacramento, CA.

Christian, Tom. Brea Police Department, Brea, CA.

Delevan, Gerald. California Department of Transportation, Sacramento, CA.

Gomperz, Bob. Metropolitan Water District of Southern California, Los Angeles, CA.

Hudson, Joyce. U.S. Environmental Protection Agency, Washington, D.C.

Jacklin, Carol. San Juan Capistrano City Hall, San Juan Capistrano, CA.

Lampe, Wally. Los Angeles County Sheriff's Department, Los Angeles, CA.

Lawrence, Mickey. San Diego County Tax Assessor's Office, San Diego, CA.

Ma, John. San Diego County Department of Environmental Health, San Diego, CA.

Mazur, Monica. Orange County Department of Environmental Health, Santa Ana, CA.

Miller, Cal. Los Angeles County Department of Environmental Health, Los Angeles, CA.

Pasare, Lee. U.S. Environmental Protection Agency, Washington. D.C.

Schmidt, Robert. San Diego County Sheriff's Department, San Diego, CA.

Shultz, Wendy. Orange County Tax Assessor's Office, Santa Ana, CA.

Smith, Hank. Los Angeles County Tax Assessor's Office, Los Angeles, CA.

Smith, John. California Solid Waste Management Board, Sacramento, CA.

Wardlow, James. California Department of Water Resources, Sacramento, CA.

APPENDIX B

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BIBLIOGRAPHY

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